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Energy Availabilities for State and Local Development: Projected Energy Patterns for 1985 and 1990

D. P. Vogt
P. L. Rice
T. A. Corey
V. P. Pai

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ENERGY AVAILABILITIES FOR STATE AND LOCAL DEVELOPMENT:

PROJECTED ENERGY PATTERNS FOR 1985 AND 1990

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Economic Analysis Section
Energy Division

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ABSTRACT

This report is one of a continuing series developed by the Oak Ridge National Laboratory with financial support from the Economic Development Administration. It presents projections of the energy supply, demand and net imports of seven fuel types and four final consuming sectors. To facilitate detailed regional analysis these projections have been prepared for Bureau of Economic Analysis (BEA) areas, states, census regions, and the nation for 1985 and 1990. The data are formatted to present regional energy availability from primary extraction, as well as from energy transformation processes. The tables depict energy balances between availability and use for each specific fuel.

The objective of this series is to provide a consistent base of historic and projected energy information within a standard format. Such a framework should aid regional policymakers in their consideration of regional growth issues that may be influenced by the regional energy system. However, for analysis of specific regions this basic data should be supplemented by additional information which only the local policy analyst can bring to bear in his or her assessment of the energy conditions which characterize the region.

Earlier volumes in this series have proved useful for both specific and general analysis of this type, and it is hoped that the current volume will prove equally so. This volume presents an updated benchmark projection series, which captures recent developments in the "business as usual" projections of energy supply and consumption due to national policy developments since the *1976 National Energy Outlook* projection series were prepared.

I. INTRODUCTION

This volume supplements earlier releases in the series *Energy Availabilities for State and Local Development* published by Oak Ridge National Laboratory (ORNL) under the sponsorship of the Economic Development Administration (EDA). The earlier volumes included historical data describing regional energy patterns for the years 1972 through 1974 and will be supplemented by an additional volume presenting data for 1975. As a companion to the historical series, ORNL also prepared a reference case scenario, in the same format as the historic series, for the years 1980 and 1985 based on the National Energy Outlook (NEO76) projections produced by the Department of Energy (then the Federal Energy Administration).[1]

This volume complements the previously released scenario, presenting an alternative reference scenario which reflects the changes in energy conditions and energy policies that have occurred since 1976. The regional energy patterns contained in this volume are based on the reference case scenario released by the Department of Energy (DOE) in the *Annual Report to Congress, Volume II, 1977* of the Energy Information Agency.[2] Energy supply and demand patterns are presented in tabular form for the United States, nine census regions, 50 states, and 173 Bureau of Economic Analysis (BEA) areas. The timespan of these projections has been extended to 1990.

A major objective of this series is to develop a consistent reporting format that can be used to present energy supply and consumption information for both historic and projected periods. To meet this goal, we formulated

the Regional Energy Balance Statement, and have consistently used this format throughout the series. In the present volume (as in the previous volumes) energy consumption, transformation, production, and net imports information is presented for seven fuel types. Final demand is separated into four sectors, transformation into four processes, and fuel extraction into four energy forms.

As far as possible, the data in this volume are definitionally consistent with those in the previous volumes.[3] This procedure facilitates identifying potential changes in regional energy conditions that in the past were measured or projected only at the national level.[4]

These data are not intended to suggest historical or potential limits to growth for specific regions. Such a determination can only be made by someone who is familiar with the region in question and who can bring additional, region-specific information to the analysis of regional growth potentials. For this purpose, these data provide a starting point, but not definitive conclusions, for regional analysis. These series are intended to provide a consistent description of historic and projected energy conditions, at a variety of regional levels, which may be used to analyze the United States in terms of its spatial components. Coupled with information measuring other regional characteristics, such as economic and demographic structure, they provide a foundation for both detailed and general analysis.

To manipulate the large body of data necessary to prepare these statements, ORNL has developed a computerized Regional Energy Balance System (REBS).[5] In designing the behavioral relationships embodied by this system, we have focused primarily on the relationship between economic

activity and energy usage. The selection of an appropriate regional grid on which to base this system is highly important, and a system of functional economic regions for which reliable economic data were available appeared appropriate. The Bureau of Economic Analysis (BEA) grid fits this criteria. BEA areas, by design, follow labor market boundaries and approximate energy demand centers (Fig. 1). Moreover, BEA's can be disaggregated by county groups, and these BEA portions reaggregated to form states. By using each of the 173 regions as a basic unit of analysis and at the same time maintaining a state-consistent cross reference identifier, we have retained a sufficient level of detail to conduct analysis at the substate, state, and multistate levels.

In examining the data contained in this volume, one should bear in mind that any set of energy projections must be interpreted in the light of considerable uncertainty as to the course of future government energy policies and future economic conditions. These projections are based on the DOE "mid-mid" scenario which generally contains "middle of the road" assumptions. There exist, however, a large number of additional scenarios which could also be regionalized.[6] The current projections should be viewed as an updated benchmark series.

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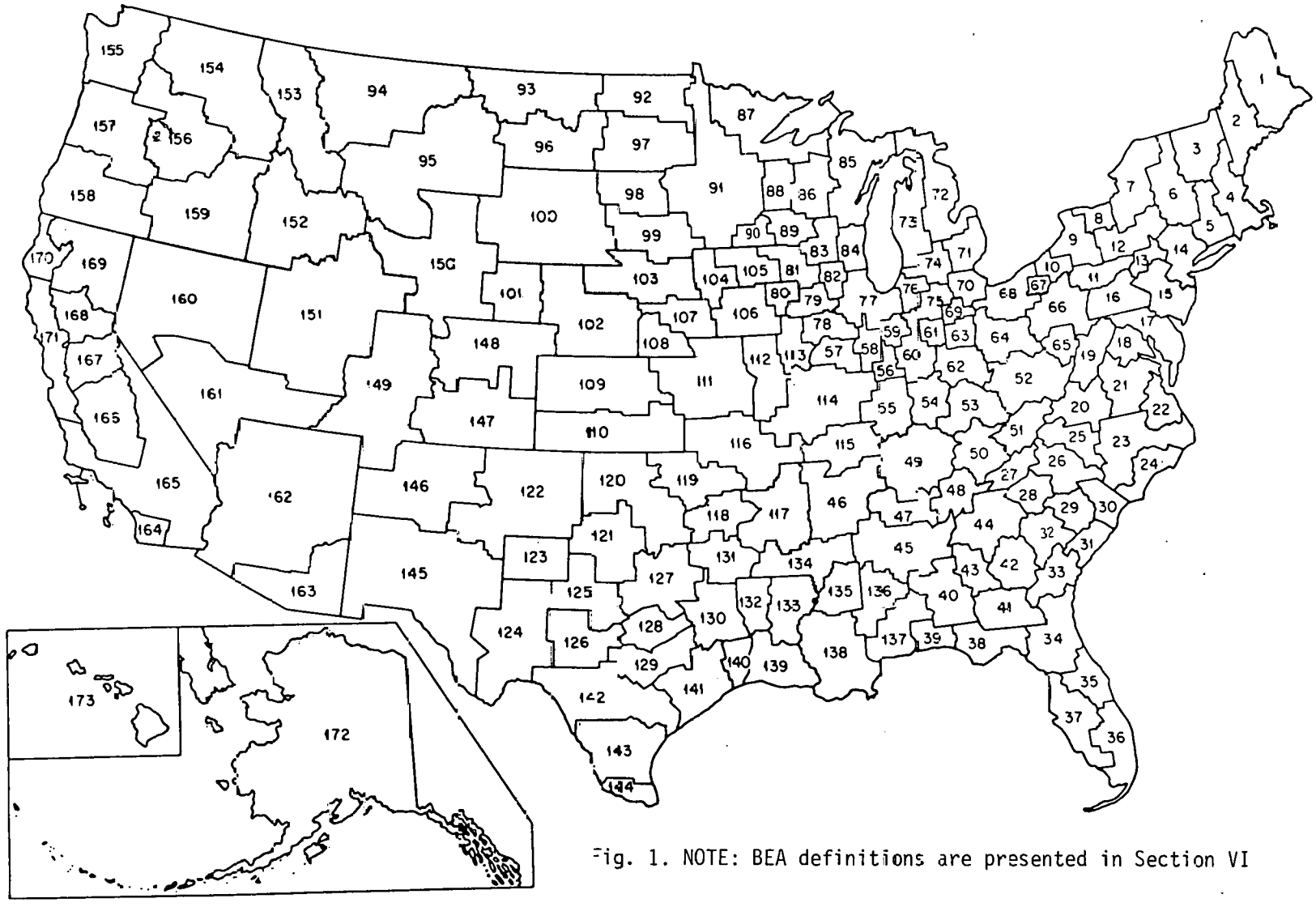

Fig. 1. NOTE: BEA definitions are presented in Section VI

II. THE STRUCTURE OF THE REGIONAL ENERGY BALANCE STATEMENT

The Regional Energy Balance Statement is designed to show *where* and in *what* fuel form a region's energy is expected to be used and *how* this energy is likely to be provided. Each table is separated into three major sections representing energy consumption, domestic production, and energy imports of the region. To maintain consistency, the data are internally processed in thermal equivalent units, based on the average conversion measures listed in Section V.

The consumption section is further classified into two subsections. The first category reports energy used by ultimate consumers in the residential and commercial, industrial, transportation, and "miscellaneous" sectors. This category is termed "final demand." The second category considered contains energy transformation processes. These processes consume energy in one form and provide it to final demand sectors in a second form. Total energy consumption by the transformation sector is defined as a (net) conversion loss and interpreted as a component of final region demand. A positive number in the transformation sector represents an input to the conversion process, and a negative number represents an output.

The energy supply sector consists of fossil fuel extraction, electricity generated by hydropower, nuclear, solar, and geothermal sources. Nuclear power generation is included here, because it was felt that it was unnecessary to trace the flow of uranium from point of extraction to point of processing, to point of end use. Most BEA areas using enriched uranium must import it.

Finally, regional net imports represent the projected balance between energy consumption and production in the region. The net imports reflect the underlying regional capacity to provide fuel to local users. However, this figure does not measure the gross volume of exports and imports, since there may be substantial counterflows. Moreover, the tables do not describe the source, destination, or reliability of the actual interregional energy flows.[7]

Regional Consumption

Table 1 illustrates the 1985 projections of energy production and usage in the U.S. Although only 1985 data will be discussed in detail, the 1990 data are presented in Table 2 for the readers benefit. Both tables follow the same format.

Total energy consumption for all final demand sectors is projected to be 72.0 quadrillion Btus (quads) in 1985. Residential and commercial demand accounts for 19.3 quads of the final demand, industrial use accounts for 30.7 quads, transportation use accounts for 21.0 quads, and miscellaneous use accounts for 0.6 quads. Natural gas consumption of 7.9 quads accounts for the greatest single share (for the listed fuels) of energy demand. The analysis assumes that final demand sectors do not consume unprocessed crude oil.

A portion of electricity generation is included as a transformation sector. Output is total electricity generated by fossil fuel plants (in Btus) less the Btu content of the fuels consumed. The conversion rate used for electrical output is that of end use rather than fossil fuel equivalents. The projected output (indicated as negative demand) of electricity generated

UNITED STATES 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,014,422	928,507	-	2,092,861	-	7,111,476	34,260	5,164,897	19,346,423	22%
INDUSTRIAL	1,419,800	2,540,950	-	7,340,393	-	10,155,711	5,016,668	4,181,297	30,654,819	35%
TRANSPORTATION	2,548,705	600,046	15,491,744	2,313,541	-	411,271	344	13,796	21,379,447	24%
MISCELLANEOUS USES	210,369	132,947	-	6,189	-	210,675	428	78,969	639,577	1%
TOTAL FINAL DEMAND SECTORS	8,193,296	4,202,450	15,491,744	11,752,984	-	17,889,133	5,051,700	9,438,959	72,020,266	81%
TRANSFORMATION										
ELECTRICITY GEN.	944,896	2,383,400	-	-	-	2,152,498	15,904,100	-7,102,994	14,281,900	16%
PETROLEUM PRODUCTS	-8,867,104	-2,737,700	-15,162,195	-10,364,698	35,550,200	1,839,445	-	-	257,946	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	887,510	-100,000	-900,070	207,996	-	95,436	0%
NET FUEL USED IN TRANSFORMATION	-7,922,208	-354,300	-15,162,195	-9,477,188	35,450,200	3,091,873	16,112,096	-7,102,994	14,635,282	17%
TOTAL GROSS FLOWS	9,138,192	6,585,850	15,491,744	12,640,494	35,550,200	21,881,076	21,163,796	9,438,959	86,655,548	98%
LOSSES & OMISSIONS	528,313	151	-48	-528,395	1,774,727	-792,599	-46,617	943,996	1,879,528	2%
TOTAL NET USAGE	799,401	3,848,300	329,500	1,747,399	37,224,928	20,188,406	21,117,178	3,279,961	88,535,077	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	20,759,927	18,281,406	23,035,179	-	62,076,512	95%
HYDROELECTRIC	-	-	-	-	-	-	-	1,291,245	1,291,245	2%
NUCLEAR	-	-	-	-	-	-	-	1,930,364	1,930,364	3%
GEO.&SOLAR	-	-	-	-	-	-	-	58,352	58,352	0%
TOTAL SUPPLY	-	-	-	-	20,759,927	18,281,406	23,035,179	3,279,961	65,356,473	
NET IMPORTS OF REGION	799,401	3,848,300	329,500	1,747,399	16,465,001	1,907,000	-1,918,000	0	23,178,604	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.78%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.69%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 8.71%

UNITED STATES 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,353,125	954,995	-	2,293,600	-	6,579,029	22,245	6,143,481	20,356,475	21%
INDUSTRIAL	1,848,837	3,187,209	-	9,036,987	-	11,365,390	5,730,500	5,195,018	36,363,941	37%
TRANSPORTATION	2,632,580	603,850	17,150,423	2,422,999	-	404,505	231	13,799	23,278,387	24%
MISCELLANEOUS USES	237,880	137,814	-	5,946	-	173,021	262	90,931	645,854	1%
TOTAL FINAL DEMAND SECTORS	9,132,422	4,883,868	17.150,423	13,759,532	-	18,521,965	5,753,238	11,443,229	80,644,657	82%
TRANSFORMATION										
ELECTRICITY GEN.	1,110,621	1,580,602	-	-	-	1,702,500	18,707,378	-7,703,131	15,397,970	16%
PETROLEUM PRODUCTS	-10,031,199	-2,615,299	-16.821,003	-11,185,198	39,274,000	1,670,323	-	-	240,623	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	887,510	-400,149	-1,029,840	604,999	-	62,520	0%
NET FUEL USED IN TRANSFORMATION	-8,970,578	-1,035,697	-16.821,003	-10,297,688	38,873,351	2,342,983	19,312,377	-7,703,131	15,701,113	16%
TOTAL GROSS FLOWS	10,203,043	6,464,470	17,150,423	14,647,042	39,274,000	21,894,768	25,065,615	11,443,229	96,345,770	98%
LOSSES & OMISSIONS	637,557	130	80	-577,743	1,629,292	-591,643	339,285	949,490	2,386,449	2%
TOTAL NET USAGE	799,400	3,848,300	329,500	2,884,100	40,503,144	20,273,284	25,404,900	4,689,588	98,732,219	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	19,610,144	17,685,284	27,493,901	-	64,789,329	93%
HYDROELECTRIC	-	-	-	-	-	-	-	1,328,495	1,328,495	2%
NUCLEAR	-	-	-	-	-	-	-	3,193,728	3,193,728	5%
GEO.&SOLAR	-	-	-	-	-	-	-	167,365	167,365	0%
TOTAL SUPPLY	-	-	-	-	19,610,144	17,685,284	27,493,901	4,689,588	69,478,917	
NET IMPORTS OF REGION	799,400	3,848,300	329,500	2,884.100	20,893,000	2,588,000	-2,089,000	0	29,253,302	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.59%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 4.19%

by fossil fuel plants in 1985 is 7.1 quads. This output requires total fuel consumption of 2.1 quads of natural gas, 15.9 quads of coal, and 3.3 quads of petroleum products. The fuel loss in the conversion process, treated as consumption by this sector, is 14.3 quads, implying an efficiency of 33.2%.

Petroleum refining is also reported as a transformation process. The inputs to this process are crude oil and natural gas liquids (listed as natural gas in the tables). The sector's outputs (negative values) are residual oil, distillates, gasoline, and other petroleum products (other hydrocarbons). These outputs values are interpreted as gross outputs of the refining process. Fuels consumed by the refining sector (for heat and power requirements) are reported with total industrial demand. This convention differs from that employed in earlier volumes, as well as from that used in the DOE model. However, we believe this is a better method for organizing the projections data since it is consistent with fuel use in the manufacturing sector as reported by the Census Bureau (in *Annual Survey of Manufactures*).[8] The fuel consumed (interpreted as purchased fuels) by the refining sector, while reported in the industrial total, is projected independently based on DOE projections.[9]

In 1985 the refining process is projected to use 35.6 quads of crude oil and 1.8 quads of natural gas liquids as inputs to produce 8.9 quads of distillate oil, 2.7 quads of residuals, 15.2 quads of gasoline, and 10.4 quads of miscellaneous petroleum products. The current approach for projecting conversion processes used by DOE maintains a Btu balance between inputs and outputs. Thus, the sector's net consumption of 0.3 quads is an artifact of the DOE model rather than sectorial consumption or Btu's lost through the conversion process.

In the projections for the years 1985 and 1990, DOE has indicated the emmergence of several new technologies (coal gasification and shale oil production), which are reported as "synthetics." This line will be discussed more fully below.

The net consumption of fuel used in all transformation sectors is presented in the row labeled "Net Fuel Used in Transformation." In the 1985 scenario, the transformation sector converts 35.5 quads of oil, 3.1 quads of natural gas, and 16.1 quads of coal into 32.9 quads of refined petroleum products and 7.1 quads of electricity. The transformation process is projected to consume 11.0 quads of energy.

Two additional summary rows are presented in the consumption portion of the tables. The row labeled "Total Gross Flows" is the column sum of the positive elements in both the final demand and transformation sectors. This value represents the gross consumption of each fuel, omitting the regional production of transformed energy products. It is used primarily to allocate "losses and omissions."

The losses and omissions row has different interpretations in the projected and historic data series. For the historic data series, a positive error value indicates an underassignment of fuels to specific categories, inventory accumulations, and/or distribution losses. A negative error value indicates an overassignment of consumption to a particular fuel or sector, understatement of production, and/or a depletion of stocks. In the case of the projected data series, the interpretation of the error figures is less straightforward. A portion of the error is due to the characteristics of the DOE model. Limitations of the PIES systems to generate complete equality between supply and

demand in the *integrating* component of the model introduces some error. Minor differences in data format between DOE's model and our procedure create additional errors in the table.[10] Finally, the transmission loss of electricity distribution is reported, in our tables, in the losses and omissions line. The overall error, indicated in the "Sector Total" column was 2% of total net usage for both 1985 and 1990.

The total regional demand for fuel, less the supply of energy by the transformation sector, is presented in the row labeled "total net usage" — 88.5 quads in 1985. This energy demand is met by regional production and regional imports.

Regional Supply

The total supply of all forms of primary energy is given in the row labeled "total supply." Distillates, residual oil, gasoline, and other hydrocarbons have zero values, indicating that these products are not regarded as primary energy sources. Crude oil, natural gas, and coal constitute the fossil fuels. The other primary fuels considered include electricity generated by hydroelectric power, nuclear, geothermal, and solar sources.

It should be noted that primary electricity generation from hydro and nuclear sources was converted to Btus by the end use rate of 3412.8 Btus per kilowatt hour, rather than by fossil fuel equivalents. Fossil fuel equivalent conversion rates are often used in supply-oriented analysis to address the potential effects on resource requirements of fuel switching in electrical generation. This approach would artificially inflate

the total Btus produced in a region, however, and might lead to an improper interpretation of the importance of each fuel and its contribution to end use electricity consumption.

The energy saved due to fuel switching in electricity generation (e.g., the total reduction in demand for fossil fuels brought about by an increase in the same generation from hydro and nuclear power) can be derived by using the appropriate transformation loss for the region. These losses can be obtained from the regional efficiency rates presented in the table notes.

No effort was made in this study to provide a direct comparison of the fossil fuel savings attained from substituting nuclear, geothermal, solar or hydroelectric inputs, though this can be done easily. For example, the average transformation loss for fossil fuel generation of electricity in 1972 was approximately 68%. For every kilowatt hour generated by hydro or nuclear sources, there is a net energy savings in the system of 7,252 Btus (i.e., to get the same end use availability of electricity, 7,252 Btus of fossil fuels need not be extracted). Since the uranium refinement process itself requires electricity, the net saving in nuclear generation would be somewhat less than for hydro, geothermal, or solar generation.

Regional Imports

The data in the tables project spatial patterns of consumption and production, but do not characterize the interrelationships of the flows. The concept of regional imports contained in the statements is a simple accounting relationship calculated as the difference between how much of

a given fuel is used in a region and how much of the fuel is produced in the region. Regional imports are not a direct measure of projected flows; however, national imports (exports) are measures of projected flows, as discussed below. The tables were constructed to balance so that the sum of the row totals equals the sum of the column totals. The last row, therefore, represents the net regional imports by fuel (a negative number indicates exports). The number in the last row and last column indicates the net energy imports of the region. This is a rough measure of each region's external reliance upon energy supplies.

Care should be used in interpreting the regional imports data. A region may appear as a net importer of energy; however, these imports may be supplied under long-term contractual agreement with producers in other regions. Consequently, even though a region may appear vulnerable to changes in the energy distribution system, it could actual have a fairly stable energy position. In a number of cases, there are substantial counterflows of energy, where a region may export as well as import a given fuel. The net entries in the tables conceal such flows.

At the national level, the tables report estimated net imports equal to projected imports (23.3 quads in 1985). Any initial differences, between estimated and forecasted net imports at the national level, are then allocated to regions based on their share of total gross usage of each fuel. These differences are reported in the row labeled "losses and omissions."

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III. THE NATIONAL ENERGY PROJECTIONS

Future regional patterns of energy consumption and production are determined jointly by regional factors and by changes in national economic activity, energy prices, and energy policies. The regionalization procedure adopted by ORNL uses historic and forecasted regional characteristics to allocate national production and consumption totals. In this way, the model attempts to capture both local and national effects which are likely to determine the regional level of consumption and production of energy products. Consequently, the regional projections included in this volume are quite sensitive to the assumptions underlying the national energy scenario.

The national energy and economic projections for the Mid-Mid scenario, a detailed discussion of the implications of the forecasts, and the assumptions used in developing the projections is provided in the *Annual Report to Congress, 1977*[11] and will not be detailed here. However, because the regional projections are derived from the national scenario, an overview of the economic and energy policy conditions underlying the scenario is necessary.

An Overview of the National Energy Projections

The DOE projections of energy consumption and production are prepared with the use of an extensive computer simulation model (PIES).[12] The PIES model is essentially a system of smaller computer models, including an econometric demand model, a set of cost-minimization supply models for each major energy product, and an integrating model. Future energy demands

are estimated given projections of economic activity and initial energy prices. The minimum cost fuel bundle for meeting these demands is determined, and in the integrating model, initial supplies and demands are compared. If they are not equated at the initially estimated energy prices, the prices are adjusted and demands are re-estimated. Demand and supply forecasts are iterated through the system until prices bring about market-clearing.

The procedure that DOE has adopted allows considerable flexibility in handling alternative policy constraints within the general framework of a market-oriented solution. The model permits the examination of a wide variety of alternative energy futures through the imposition of auxiliary constraints. However, flexibility in the development of scenarios requires that a description of the major conditions or assumptions imposed on the solution be presented in order to evaluate the results of a particular scenario appropriately.

The Department of Energy developed its forecast of economic activity with the Data Resources Incorporated (DRI) econometric model, which is described and for which summary results are presented in the *Annual Report to Congress, 1977*.[13] A summary of the major national economic and demographic activity projections from the DRI forecast, which have been used in the current reference scenario, are presented in Table 3. Also included in this table are the forecasted growth rates for the "equilibrium" energy prices generated by the PIES integrating model.

Several special constraints have been placed on the PIES model for the reference case solution. A summary of the key energy supply and conservation assumptions for the reference case is presented in Table 4.

Table 3. Projections of national economic activity used in forecasting energy demands

	Projection year			Average annual growth rate (%)	
	1977	1985	1990	1977-1985	1985-1990
Economic activity variables (Billions of 1977 dollars)					
Gross national product	1888.7	2623.1	3033.0	4.2	2.9
Gross private-domestic investment	291.9	417.7	481.0	4.6	2.9
Personal consumption expenditures	1209.8	1626.1	1921.3	3.8	3.4
Personal income	1534.0	2086.9	2494.9	3.9	3.6
Exports of goods and services	181.2	267.7	333.2	5.0	4.5
Imports of goods and services	189.8	262.6	353.3	4.1	6.1
Index of industrial production (1977=100)	100.0	147.5	181.4	5.0	4.2
Unemployment rate (%)	7.1	4.7	4.6	-5.0	-0.4
Employment (millions of persons)	90.4	106.7	113.4	2.1	1.2
Population (millions of persons)	217.0	234.3	245.3	1.0	0.9
Prices (Index: 1977=100)					
GNP implicit price deflator	100	154.3	191.9	5.6	4.5
Consumer price index	100	151.6	188.0	5.3	4.4
Wholesale price index	100	155.6	188.6	5.7	3.9
Unit labor costs	100	174.3	239.2	7.2	6.5
Energy prices					
World oil prices ($15/lb)	100	100	100	0	0
Energy (Index based on PIES model solution 1977=100)	100	153.3	164.8	2.5	1.5
Electricity (Index based on PIES model solution 1977=100)	100	160.1	109.4	2.0	0.6

Source: *Annual Report to Congress*, Volume II, 1977 and *DRI Trendlong 0977 Model Report*.

Table 4. Key energy supply and conservation assumptions for the Mid-Mid scenario

Oil:

1. World oil prices held constant at $15.00 (1977 dollars).
2. No change in current composite price control schedule for domestic oil.
3. A pipeline from west coast to eastern markets assumed to be built by 1985.

Natural gas:

1. Continued regulation of interstate gas prices at levels below oil and intrastate gas (prior to Natural Gas Act of 1978).
2. Assumes a gas pipeline from Alaska to north central U.S. will be built by 1985.

Other fuel supply:

1. Coal exports are determined exogenously.
2. Synthetic fuels development has marginal impact.

Conservation:

The projected effects of five major conservation programs are included in the scenarios.

1. Weatherization of homes.
2. Federal Energy Management Program (to reduce energy consumption in federal buildings).
3. New car fuel economy standards.
4. Appliance efficiency standards.
5. State energy conservation programs.

The net effect of these programs is estimated to generate a shift from fossil fuel to direct solar of 120 trillion Btus in 1985 and 276 trillion Btus in 1990 in the residential, commercial, and industrial sectors.

Source: Annual Report to Congress Volume II, 1977.

For our purposes, the outputs (i.e., the projected energy consumption and supply patterns) provided in the DOE scenarios are taken as exogenous conditions for the regionalization. Thus, an overview of the national energy future, which has been regionalized, is provided by the national energy balance statements. However, to place these forecasts in perspective, with respect to the implications of predicted national changes, it is useful to examine the growth rates in production consumption of the various energy products. Table 5 indicates the growth rates from 1974 and 1985, and Table 6 shows the growth rates from 1985 to 1990. These tables indicate the projected patterns of change for the nation as a whole. One may also compare the forecasted changes of individual regions to these national changes.

Special Characteristics of the Projected Data Series

The format and methodology used to construct the Regional Energy Balance Statements has been designed to provide a consistent framework for examining the variety of interactions that characterize energy production and consumption. Although we have attempted to maintain uniformity with the historic and projected data series on which our compilations are based, differences between sources have not always permitted maintaining exact correspondence. Instead, we consistently modified each series in a desire to achieve compatibility between our historic and projected data series. For this reason, differences between our statements and other sources, such as the Bureau of Mines and DOE, arise in several instances. The following discussion documents these

TABLE 5

UNITED STATES — REGIONAL ENERGY BALANCE STATEMENT — 1974-1985

FIES MID-MED

AVERAGE ANNUAL GROWTH RATES (PERCENT)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	3.10	.37	-	.42	-	.04	-17.84	4.14	1.38
INDUSTRIAL	6.16	6.90	-	5.78	-	.12	1.79	5.06	2.86
TRANSPORTATION	1.68	-1.51	1.80	.56	-	-4.66	-15.12	-.49	-1.36
MISCELLANEOUS USES	12.18	-4.27	-	-24.30	-	-6.37	*	-.60	-3.30
TOTAL FINAL DEMAND SECTORS	3.21	3.00	1.80	3.04	-	-.17	1.20	4.47	1.91
TRANSFORMATION									
ELECTRICITY GEN.	10.99	-2.17	-	**	-	-4.33	5.66	(-) 3.38	2.72
PETROLEUM PRODUCTS	(-) 4.15	(-) 1.00	(-) 1.95	4.68	3.00	4.80	-	-	6.33
NATURAL GAS	-	-	-	**	-	**	-	-	**
SYN-GAS	-	-	-	*	*	*	*	-	*
NET FUEL USED IN TRANSFORMATION	3.59	+	(-) 1.95	1.98	2.97	-6.05	5.78	(-) 3.38	2.73
TOTAL GROSS FLOWS	3.68	-.53	1.80	2.16	3.00	-1.36	4.45	4.47	1.63
LOSSES & OMISSIONS	-	-	-	-		-	-	-	-
TOTAL NET USAGE	2.77	.67	1.41	19.89	3.35	-1.85	4.05	7.51	2.07
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	1.02	-2.36	3.97	-	.72
HYDROELECTRIC	-	-	-	-	-	-	-	2.00	2.00
NUCLEAR	-	-	-	-	-	-	-	15.68	15.68
GEO.&SOLAR	-	-	-	-	-	-	-	18.64	18.64
TOTAL SUPPLY	-	-	-	.	1.02	-2.36	3.97	7.80	.97
NET IMPORTS OF REGION	2.77	.67	-1.41	19.89	55.06	5.86	(-) 3.09	++	6.30

NOTES:

0 - No growth rate
* - None in base year
** - None in projection year
+ - Years switch sign
++ - Projection year 0
(-) - Negative entry on Energy Balance Statement

TABLE 6.

UNITED STATES — REGIONAL ENERGY BALANCE STATEMENT — 1985 - 1990

PIES MID-MID

AVERAGE ANNUAL GROWTH RATES (PERCENT)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	1.68	.56	-	1.85	-	-1.54	-8.27	3.53	1.02
INDUSTRIAL	5.42	4.64	-	4.25	-	2.28	2.70	4.44	3.47
TRANSPORTATION	1.03	.13	2.06	.93	-	- .33	-7.66	0	1.72
MISCELLANEOUS USES	2.49	.72	-	- .79	-	-3.86	-9.35	2.86	.20
TOTAL FINAL DEMAND SECTORS	2.19	3.05	2.06	3.20	-	.70	2.63	3.93	2.29
TRANSFORMATION									
ELECTRICITY GEN.	3.28	-7.89	-	-	-	-4.58	3.30	(-) 1.64	1.52
PETROLEUM PRODUCTS	(-) 2.60	(-) - .90	(-) 2.10	(-) 1.54	2.01	-1.91	-	-	-1.38
NATURAL GAS	-	-	-	-	-		-	-	
SYN-GAS	-	-	-	0	(-) 31.96	(-) 2.73	23.81	-	-8.11
NET FUEL USED IN TRANSFORMATION	(-) 2.52	(-) 23.93	(-) 2.10	(-) 1.67	1.86	-5.40	3.69	(-) 1.64	1.42
TOTAL GROSS FLOWS	2.31	-1.08	2.06	3.20	2.01	.05	3.44	3.93	2.17
LOSSES & OMISSIONS	-	-	-	-	-	-	-	-	-
TOTAL NET USAGE	0	0	0	10.54	1.70	.08	3.77	7.41	2.20
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-13.31	-.66	3.60	-	.86
HYDROELECTRIC	-	-	-	-	-	-	-	.57	.57
NUCLEAR	-	-	-	-	-	-	-	10.59	10.59
GEO.&SOLAR	-	-	-	-	-	-	-	23.46	23.46
TOTAL SUPPLY	-	-	-	-	-13.31	-.66	3.60	7.41	1.23
NET IMPORTS OF REGION	0	0	0	10.54	4.88	6.30	(-) 1.72	0	4.77

NOTES:

0 - No growth rate
* - None in
** - None in
\+ - Years switch sign
++ - Projection year 0
(-) - Negative entry on Energy Balance Statement

modifications and is intended to provide the reader with sufficient information to reconcile our energy statements with those of other agencies.

The basis for our projected energy statements is the *Annual Report to Congress, 1977.*[14] In the report, the Energy Information Administration (EIA) projected a 2.9% annual rate of growth, for its reference case, in total energy demand between 1975 and 1990. At this rate, total energy consumption would increase to 108.5 quads by 1990. This figure represents the "gross" input of all fuel used by the nation and is comparable to the concept of "total net usage" (98.4 quads) reported above in Table 2 for 1990.

The difference between our measure of net usage and the DOE total, "gross energy inputs," results from our use of alternative conversion factors for electricity generated from nuclear, hydro, and geothermal sources. The Department of Energy uses a fossil fuel equivalents approach (the Btu value of fossil fuels needed to generate this electricity by conventional fossil fuel plants) to value electricity produced through "unconventional" means, while we evaluate electricity at the end use rate of 3412.8 Btus per kilowatt hour.

For the 1974 data set, our approach resulted in a reduction of reported total net energy consumption by 2.5 quads. This was equal to 3.4% of "gross energy inputs" reported by the Bureau of Mines.[15] Because the quantity of electricity generated through non-fossil fuel technologies is projected to increase, differences in the total energy consumption measured by the two techniques will similarly increase.

Under DOE projections, this increasing share will cause the fossil fuels equivalent approach to add an additional 6.5 quads (6.8% of gross input) in 1985 and 9.8 quads (9.0% of gross inputs) in 1990 to total net usage. Between 1974 and 1990, our procedure yields a 2.1% average annual rate of growth in total net usage, as compared with the DOE growth rate of 2.7%. This 0.6 difference is explained by the shift to non-fossil fuel technologies, rather than by increased fossil fuel resource input. It should be noted, however, that using nuclear fuel does require extensive energy inputs by the industrial sector, and to the extent that the scope of energy intensity of this activity is not fully captured in our methodology, total fuel consumption may be understated. A more detailed treatment of the uranium fuel cycle is possible, but infeasible for the purpose of this volume.

With respect to net energy inputs, the figure reported by DOE is identical to that reported in our tables.[16] However, the Bureau of Mines, in its historic data, allocates the transmission loss of electricity distribution to the final demand sectors and thus obtains a slightly higher value for the historic final demand of electricity.

The computer output of the DOE model does not appear to contain sufficient information to regionalize the transformation process for the natural gas processing sector adequately. We, therefore, have not estimated this sector in our forecast series, although it is included in our historic data series.

The estimates of electric generation and fuel consumption for the projected utility transformation sector are somewhat different than in the historic series. Because of the aggregate level at which DOE's

model reports its output, it has been necessary to use the average heat rates and capacity factors which are implicit in the scenarios.[17] The implication of this assumption is discussed more fully below.

Comparison of the Mid-Mid Scenario to the Earlier NEO 76 Scenario

Comparison of the current scenario with that used in our earlier projections volume, indicates that several changes have occurred in the "most likely" growth path of our nation's energy sectors. Table 7 reproduces the U.S. table published in our NEO76 projections for 1985, and Table 8 shows the percent differences between the two scenarios for 1985.[18]

Our current scenario projects a decline in energy consumption in the final demand sectors of 9.4% relative to NEO76. Of the major sectors, the industrial sector is affected most with a decline of 12%. In the industrial sector, we see a shift away from natural gas towards coal. For the residential sector, however, the Mid-Mid policies suggest an increase in natural gas usage, but a decline in the consumption of petroleum products and electricity. Comparison of the transportation sectors' projections indicates that the Mid-Mid scenario indicates a decline in all fuels, except gasoline which is projected to increase 7% over the earlier scenario.

Also indicative of the changes that have occurred since the NEO76 period, is the decline in projected electricity consumption with a consequent decrease in nuclear-generated electricity (-34%). Fossil fuel generated electricity rises slightly (2%) relative to NEO76 with a shift away from natural gas (down 29%) as input fuel to coal (up 3%),

UNITED STATES

Table 7.

1985

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,266,385	1,312,947	-	2,505,087	-	6,115,767	114,074	6,308,870	20,623,130	23%
INDUSTRIAL	1,297,874	1,785,416	-	5,063,053	-	14,021,867	4,816,802	3,864,765	30,849,777	34%
TRANSPORTATION	2,875,399	634,700	14,440,224	4,416,730	-	811,140	2,382	14,415	23,194,990	25%
MISCELLANEOUS USES	50,004	168,046	-	19,984	-	324,557	-	125,047	687,638	1%
TOTAL FINAL DEMAND SECTORS	8,489,662	3,901,109	14,440,224	12,004,854	-	21,273,331	4,933,258	10,313,097	75,355,535	83%
TRANSFORMATION										
ELECTRICITY GEN.	401,807	2,296,051	-	-	-	3,047,275	15,385,017	-6,968,429	14,161,721	16%
PETROLEUM PRODUCTS	-8,713,947	-4,417,637	-14,342,457	-12,981,731	38,013,854	1,145,727	-	-	-1,296,191	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYN-GAS	-	-	-	-	-	-	260,760	-87,160	173,600	0%
NET FUEL USED IN TRANSFORMATION	-8,312,140	-2,121,586	-14,342,457	-12,981,731	38,013,854	4,193,002	15,645,777	-7,055,589	13,039,130	14%
TOTAL GROSS FLOWS	8,891,469	6,197,160	14,440,224	12,004,854	38,013,854	25,466,333	20,579,035	10,313,097	89,690,856	98%
LOSSES & OMISSIONS	-372	-1,546	-4,291	1,514,939	-3,563	270,511	-12,419	1,049,525	2,812,783	3%
TOTAL NET USAGE	177,149	1,777,976	93,475	538,062	38,010,290	25,736,844	20,566,615	4,307,033	91,207,448	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	28,130,675	24,341,054	22,366,616	-	74,838,345	95%
HYDROELECTRIC	-	-	-	-	-	-	-	1,285,385	1,285,385	2%
NUCLEAR	-	-	-	-	-	-	-	2,957,763	2,957,763	4%
GEO.&SOLAR	-	-	-	-	-	-	-	63,885	63,885	0%
TOTAL SUPPLY	-	-	-	-	28,130,675	24,341,054	22,366,616	4,307,033	79,145,378	
NET IMPORTS OF REGION	177,149	1,777,976	93,475	538,062	9,879,615	1,395,790	-1,800,000	0	12,062,070	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.02%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-3.31%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYN-GAS =66.57%

TABLE 8
REGIONAL ENERGY BALANCE STATEMENT
MID-MID COMPARED TO NEO 1975

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
	% DIFFERENCE								
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	-5.91	-29.28	-	-16.46	-	16.28	-69.97	-18.13	-6.19
INDUSTRIAL[1]	(3.31)	-(5.96)	-	(7.46)	-	(34.17)	4.15	7.98	(-12.34)
TRANSPORTATION	-11.36	-5.46	7.28	-47.62	-	-49.30	-85.56	-4.29	7.83
MISCELLANEOUS USES	220.70	-20.89	-	-69.03	-	-35.09	**	-36.85	-6.99
TOTAL FINAL DEMAND SECTORS	(-4.42)	(-14.37)	7.28	(-17.92)	-	(-20.26)	2.40	-8.48	(-9.42)
TRANSFORMATION									
ELECTRICITY GEN.	35.15	3.80	-	-	-	-29.36	3.37	(-) 1.93	.85
PETROLEUM PRODUCTS	(-) 1.76	-38.03	(-) 5.72	(-) -20.16	-6.48	60.55	-	-	+
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYNTHETICS	-	-	-	**	**	**	-20.73	*	-45.03
NET FUEL USED IN TRANSFORMATION	(-) -4.69	-83.30	(-) 5.72	(-) -27.00	-6.74	-26.26	2.98	(-) .67	12.24
TOTAL GROSS FLOWS	1.89	-7.64	7.28	-10.53	-6.48	-17.71	2.84	-8.48	-7.58
LOSSES & OMISSIONS	-	-	-	-	-	-	-	-	-
TOTAL NET USAGE	251.26	16.44	152.50	124.76	-2.07	-21.56	2.68	-23.85	-2.93
SUPPLY OF ENERGY									
FOSSIL FUEL	-		-	-	-26.20	-24.89	2.99	-	-17.05
HYDROELECTRIC	-	-	-	-	-		-	.46	.46
NUCLEAR	-	-	-	-	-	-	-	-34.74	-34.74
GEO.&SOLAR	-		-	-	-	-	-	-8.66	-8.66
TOTAL SUPPLY	-	-	-	-	26.20	-24.89	2.99	-8.66	-18.85
NET IMPORTS OF REGION	251.26	16.44	152.50	124.76	66.65	36.63	(-) 6.56	0	92.16

NOTES:

[1]COMPUTED COMPARATIVE RATES - EXCLUDE REFINERY USE OF NATURAL GAS AND PETROLEUM PRODUCTS WHICH ARE INCLUDED IN TABLES 2 AND 3 (SEE TEXT).

*NONE IN MID-MID

**NONE IN EDA

+SCENARIO VALUES HAVE DIFFERENT SIGNS

residual oil (up 4%), and distillate oil (up 35%). Finally the Mid-Mid scenario projects a lower level of domestic oil and gas production than the NEO76 scenario. Coal production, however, following current policy objectives, is higher in the Mid-Mid scenario than in the earlier NEO76.

In summary, the current reference case scenario suggests an overall lower growth rate in energy consumption, a lower profile for nuclear energy, and a shift towards coal. Also projected is a lower rate of domestic oil and gas production and refining activities, which is only partially offset by increased coal production and consumption. More natural gas is expected to be available for residential and commercial consumers, because of policies that encourage the industrial and electric utility sectors to shift from natural gas to coal. However, net consumption of petroleum products is higher under the Mid-Mid scenario which results in greater imports than in the NEO76 projections.

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IV. REGIONALIZATION OF THE DOE SCENARIO

The regional energy demand, transformation, and production projections presented in the Regional Energy Balance Tables have been regionalized independently from the PIES Mid-Mid control totals. Consequently, we do not account for intraregional interactions and linkages which may jointly determine supply and demand patterns. For example, we do not necessarily expand production of coal in those BEA areas which are nearer to regions with increasing coal demands. The only exception to this general limitation is in the determination of electric utility expansion or retirements.

Separate disaggregation methodologies have been developed for the component sector projections. The following discussion is organized by the type of allocation procedure utilized rather than in the framework presented in the REBS tables.

The Regional Consumption of Energy

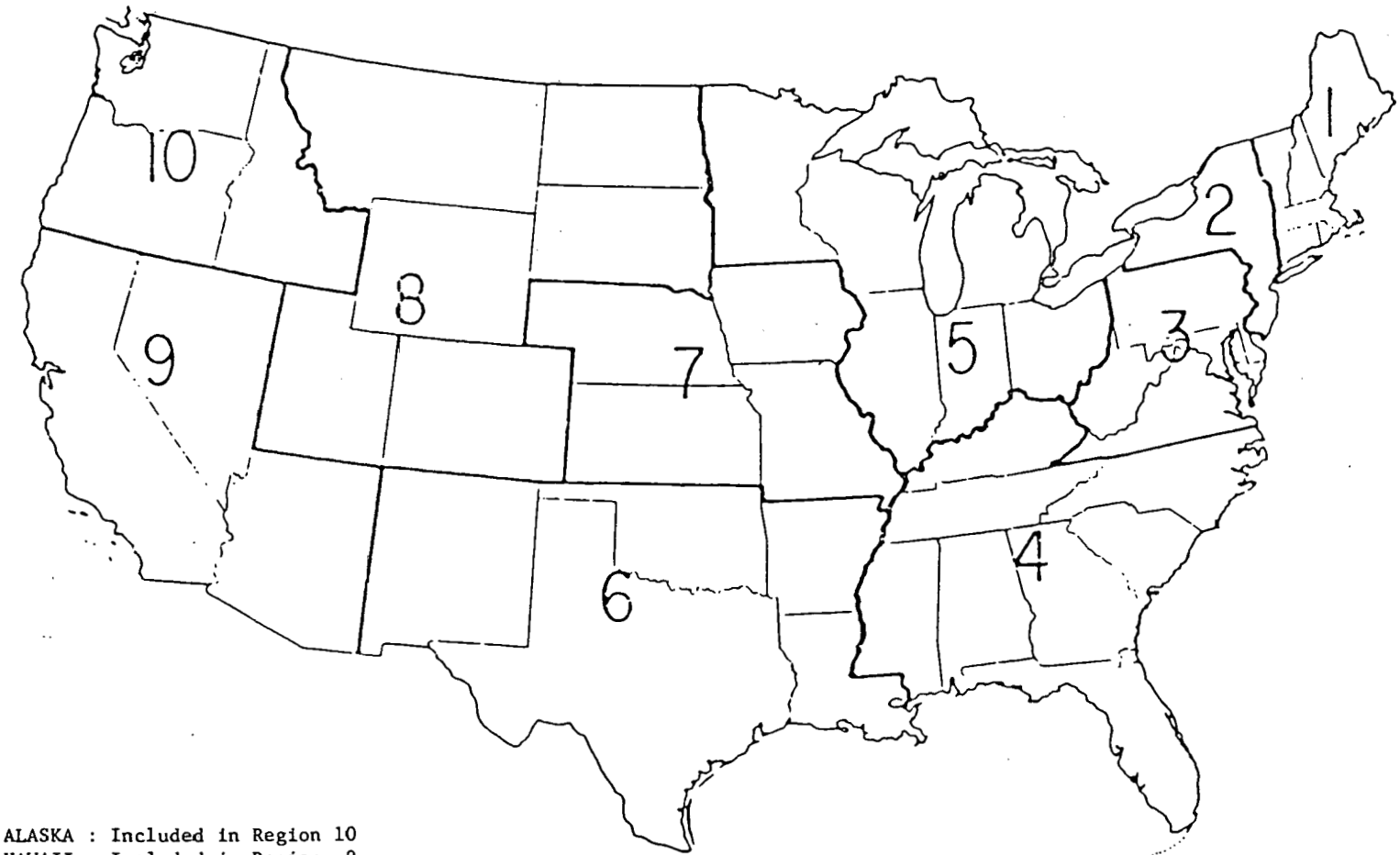
The methodology that has been used to regionalize the DOE-PIES federal region projections is described in detail in Volume I of this series. Briefly, the procedure is to estimate initial energy demands, by fuel and sector, by multiplying historic data of energy used per worker (or per capita) times the projected regional level of activity (i.e., the number of workers or persons). The regional demands are then proportionately adjusted so that they add up to the federal region projections by the major sectors and fuels provided in the PIES scenario.

Figure 2 shows the federal regions for which the PIES model provides projections of energy consumption.

To derive these initial demand estimates, a set of regional activity projections and base year energy-use coefficients are necessary. The regional projections of population and employment are generated using ORNL's MULTIREGION model.[19] MULTIREGION is a scenario-oriented model which allocates a given set of national population and employment projections to BEA areas. For this study, a special series of population and employment projections were prepared using the DRI national projections of employment by sector as exogenous assumptions.[20] The BEA projections of population and employment are further regionalized to counties to facilitate the conversion of energy demands from state to BEA areas.[21]

The use of the MULTIREGION model is a significant improvement over the procedure that was used in our earlier NEO76 regionalization, in which OBERS based employment and population projections were used.[22] The current procedure ties the regional employment and population projection consistently to the assumptions underlying the national economic/energy scenarios. Differences in the regional projections of energy consumption between our two energy scenarios may reflect both energy scenario differences, as well as differences in regional population and employment patterns.

The regional energy coefficients are basically the same as used in the previous volumes and discussed in Volume I. They have, however, been modified to match the sectoral definitions used by the MULTIREGION model. Table 9 presents the employment detail available from MULTIREGION. The model also projects detailed population characteristics for BEA areas,



ALASKA : Included in Region 10
HAWAII : Included in Region 9

FIGURE 2 FEDERAL REGIONS IN THE UNITED STATES

Table 9. MULTIREGION sectors and their relationship to PIES sectors

PIES aggregated sectors	MULTIREGION sectors
Residential[1]	Total population
Commercial[2]	Amusement services Business and repair services Communications Finance, real estate and insurance services Lodging and personal services Professional services Private household services Retail trade Wholesale trade Public administration (federal, state, and local government)[2] Armed forces[2] Utilities
Industrial	Agriculture Forestry and fisheries Metal mining Coal mining Crude oil and gas Non-metallic mining Construction Food and kindred Textiles Apparel Paper Printing and publishing Chemicals Fabricated metals Primary metals Machinery (non-electrical) Electrical machinery Motor vehicles Transportation equipment (excluding motor vehicles) Other manufactures
Petroleum refining[3]	Petroleum refining
Transportation	Population[4] Rail Trucking and warehousing Other transportation services[5]

[1]Reported in tables as residential demand.

[2]Reported in tables as miscellaneous.

[3]PIES includes the consumption of electricity and coal by the refining sector in the industrial total, but separately report petroleum products and natural gas demands for the sector. We follow their convention in the allocations, but report all fuels used in the refining sectors in the industrial total.

[4]Population is used to regionalize gasoline demands.

[5]Includes air and water transportation employment.

although the energy demand regionalization procedure utilizes only the total population estimates.

The regional energy coefficients (developed at the state level) have been constructed from a variety of standard sources. Table 10 presents the fuels for which individual projections are made. However, the published primary data sources do not provide a consistent series for all sectors and fuels considered in the regionalization process, and many approximations and independent judgements were necessary in developing the coefficients.[23] The major data sources used to estimate the coefficients were reported in Volume I and are not repeated here.

Table 10. Definition of Fuel Aggregates and Their Relationship to PIES Projected Fuel Aggregates

Fuels defined in the regionalization procedure	PIES aggregated fuel category	Table entry
Anthracite	Coal	Coal
Bituminous	Coal	Coal
Metalurgical coal	Coal	Coal
Natural gas	Natural gas	Natural gas
Kerosene	Distillate oils	Otherhydro
Diesel fuel	Distillate oils	Distillate
Distillate fuel oil	Distillate oils	Distillate
Gasoline	Gasoline	Gasoline
Asphalt	Asphalt	Otherhydro
Liquid propane gas	Liquid gas	Otherhydro
Jet fuel	Jet fuel	Otherhydro
Liquid refinery gas	Liquid gas	Otherhydro
Still gas	Liquid gas	Otherhydro
Naphtha	Naphtha	Otherhydro
Special naphtha	Liquid gas	Otherhydro
Petroleum coke	Miscellaneous oil products	Otherhydro
Lubricants and waxes	Miscellaneous oil products	Otherhydro
Miscellaneous liquid gases	Liquid gas	Otherhydro
Miscellaneous oil products	Miscellaneous oil products	Otherhydro

The Electric Utility Sector

The regional forecasts of electrical generation are primarily based on the announced plans of utilities for planned capacity expansion and plant retirements. Such information is reported to the Federal Energy Regulatory Commission (FERC) by the utilities for each plant and is available on computer tape from FERC on request.[24]

For our purposes, however, the scheduled capacity reported by the utility industry must be reconciled with the DOE projections. This has been accomplished by using DOE's projections of generation, capacity, and fuel consumption as regional control totals. The utilities' planned expansion for each federal region can then be compared with the DOE projection for prime mover and fuel categories.

To make the comparison between actual utility plans and the scenario, information of each generation source should be similarly structured. Consequently, we developed a procedure to classify each plant according to its prime mover and major fuel consumed. The categories considered for this analysis are presented in Table 11. In some cases, more detailed information of basic energy sources in the PIES model was aggregated (e.g., coal consumption by sulfur content was aggregated).

The expansions planned by the utilities were modified by a simple siting scheme. First, an estimate of schedule generation of electricity, for each of the substate regions considered in the demand analysis, was obtained by aggregating the FERC unit record file. Regions were classified according to the level of excess regional demand for electricity, which was computed by comparing the estimated regional demands for electricity

Table 11. Classification of electric generation by plant and fuel type

Generation class			Generation characteristics (Average of DOE region values)	
Class	Fuel type	Prime mover	Capacity factor[a] Percent	Heat rate[b] Btu/kwh
01	Coal	Conventional	63	10,595
02	Coal	Advanced (combine cycle)	36	9,750
03	Oil	Conventional steam	32	10,620
04	Oil	Combustion turbine	12	10,248
05	Gas	Conventional steam	32	10,750
06	Gas	Combustion turbine	7	15,643
07	Hydro	Conventional	49	10,572
08	Hydro	Pump storage (and Peaking)	9	10,605
09	Nuclear	Conventional steam	65	
10	Nuclear	Advanced (breeder and high temperature gas)	54	
11	Other	Geothermal	80	
12	Other	Solar	36	
13	Other	Waste heat (steam turbine)	36	
14	Other	Refuse (steam turbine)	36	
15	Other	Synthetics		

[a]The capacity factor measures the percent of available generation capacity used in the year.

[b]The heat rate measures fuel consumption for the generation of electricity in Btus of fuel consumed per kilowatt hours generated. These values are presented in the table only for fossil fuel plants.

with the schedule generation. Next, two decision rules were applied: (1) where the FERC projections indicated the number of plants for a particular technology would be overbuilt, we proportionally decreased the forecasted capacity in all subareas treating each technology separately. Changes in capacity were allocated proportionally to existing capacity, and, (2) where additional units were required (according to DOE projections) plants were located in the regions of greatest need (i.e forecasted demand in excess of scheduled supply). Rather than allocate all new capacity to one or two regions, however, we allocated the new capacity proportionally to excess demand in each region.

Using these modifications of planned expansion, we estimated both generation and fuel consumption. These forecasts, however, needed to be consistent with the "average technology" imbedded in the DOE scenario. The scenario assumptions of an "average technology" in the electric utility sector is summarized in the assumed values for heat rates and capacity factors. Average heat rates and capacity of each of the technologies considered were derived for each federal region from the DOE scenario.

Capacity factors indicate the average amount of generation relative to potential capacity.[25] Turbine generators, for example, are used primarily to satisfy peaking requirements; they operate infrequently, and thus have low capacity factors. Nuclear plants and conventional fossil-fired steam plants are generally base load plants with high average utilization rates and high capacity factors. The averages of the capacity factors across the federal regions are presented in Table 11. It should be noted that the actual analysis incorporated federal region factors.

The average capacity factors have been applied to the planned capacity of each plant in order to determine the probable generation of electricity. The plant estimates were aggregated to provide total generation for each category in each federal region.

Fuel consumption for each Federal Region is estimated using average heat rates which are computed from the DOE model. A heat rate indicates the amount of fuel consumed to produce one kilowatt hour of electricity. These heat rates were applied to the plant generation estimates to derive total fuel consumption for each plant. The estimates of fuel consumption, electric generation, and capacity were constrained to the DOE scenario.

Because of the nature of the approach used in our analysis, two considerations should be kept in mind when examining specific regional forecasts. The first relates to the use of "average" federal region characteristics and the second to the implications of the simplified siting scheme.

Aggregate heat rates and capacity factors were used to maintain consistency with the DOE scenario. However, individual plants may have historically deviated from these averages. For example, a plant may be utilized to satisfy intermediate load requirements for a utility, although we classify it as a base load plant. Each plant is treated as an "average" plant in our analysis. It would be extremely difficult to retain and utilize historical characteristics for each plant, as well as to forecast the precise load structure for each plant in the future. Consequently, the concept of assuming that each plant has averaged regional characteristics is the only feasible approach. The analysis does remain consistent with the DOE scenario, though individual plants may be incorrectly

estimated. If a particular plant has a significantly different capacity factor or heat rate, we may misrepresent its generation and fuel use. For those regions in which there are few plants, the forecasts should be considered with utmost care. For those regions in which there are several plants, the totals presented for the region are more reliable.

Since the siting analysis ignores all factors except regional excess demand, projected additions to capacity should also be carefully examined. A detailed siting analysis could and perhaps should consider factors other than excess demand. Oak Ridge National Laboratory has developed several procedures to do such analysis at the county level, which consider population density, water availability, seismic risk, and air quality standards, among other variables. However, such a detailed approach was not possible for this study. Of course, any given region can be analyzed in more detail, based on the information presented in the tables.

Previous ORNL studies indicate that significant changes need not be made to scheduled utility plans to achieve conformity with the DOE scenarios until 1985.[26] The siting algorithm considers the additions to or retirements of a small number of plants relative to total capacity. After 1985, however, many factors in the national policy scenarios can alter the potential mix of utility capactities.

Supply and Transformation of Fossil Fuels

The projected supply and transformation of fossil fuels in 1985 and 1990 was based primarily upon the broad regional projections in the

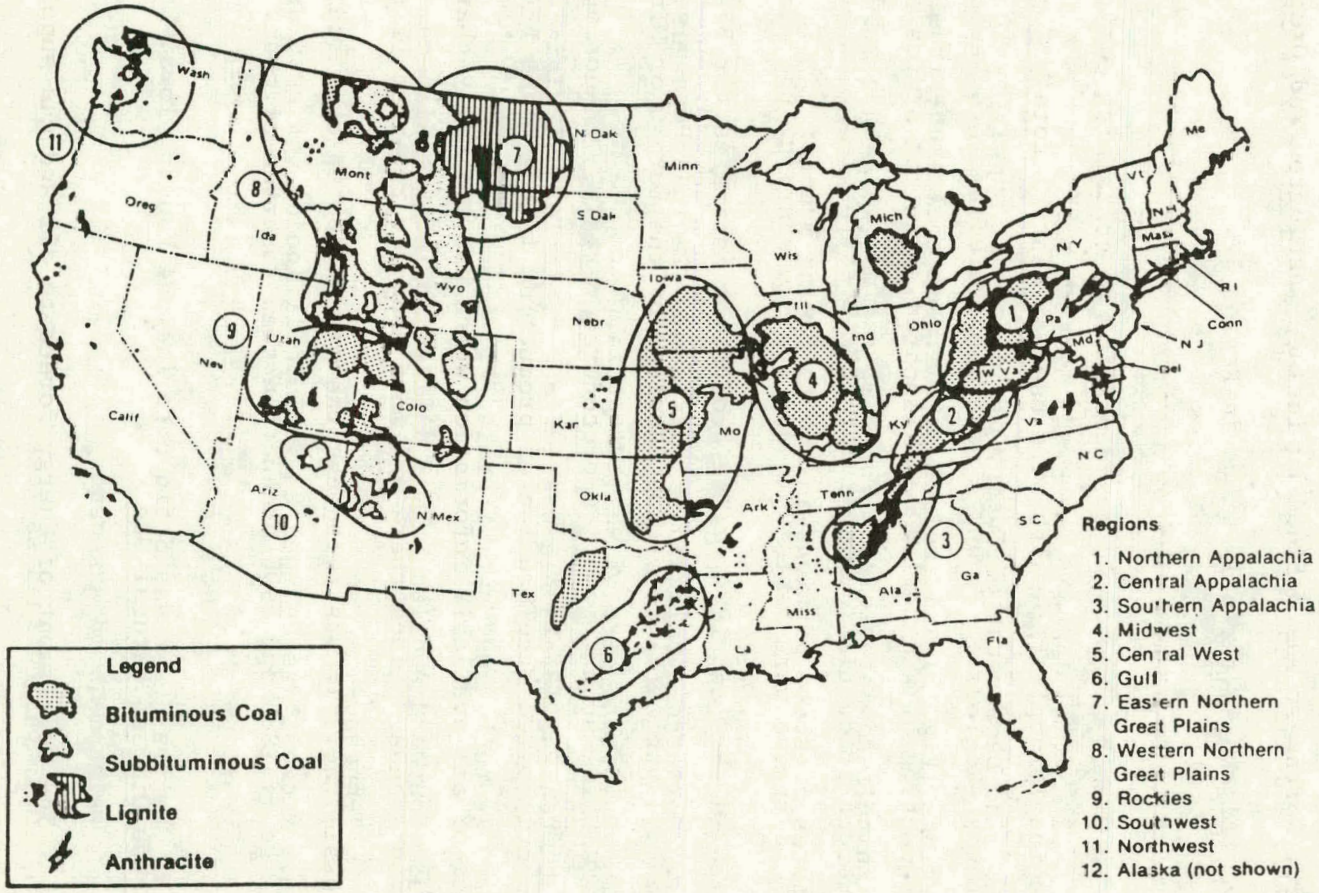
Mid-Mid Scenario and was supplemented by state and county level information on cumulative production, remaining reserves, and actual production in 1972, 1973, and 1974. In the case of oil refining the projections were based on the location and capacity of refineries (by county) on January 1, 1977, and the announced refinery expansions and additions by 1980 and 1985 published by DOE.[27]

Coal

The Department of Energy projects coal supply by 12 coal supply regions (Fig. 3) and includes bituminous coal, sub-bituminous coal, lignite, and anthracite. These 12 regions were then subdivided into states or state portions in the following manner:

1. Northern Appalachia was defined to include Pennsylvania, Maryland, Ohio, and part of West Virginia.
2. Central Appalachia was defined to include Virginia and parts of Kentucky and West Virginia.
3. Southern Appalachia was defined to include Alabama, Georgia, and Tennessee.
4. Midwest was defined to include Illinois, Indiana, and part of Kentucky.
5. Central West was defined to include Kansas, Iowa, Missouri, Nebraska, Oklahoma, and Arkansas.
6. Gulf was defined as Texas.
7. Eastern Northern Great Plans was defined to include North Dakota, South Dakota, and part of Montana.

Coal Supply Regions



8. Western Northern Great Plains was defined to include Wyoming and parts of Colorado and Montana.
9. Rockies was defined to include Utah and part of Colorado.
10. Southwest was defined to include Arizona and New Mexico.
11. Northwest was defined to include Washington and Oregon.
12. Alaska is the only state in Region 12.

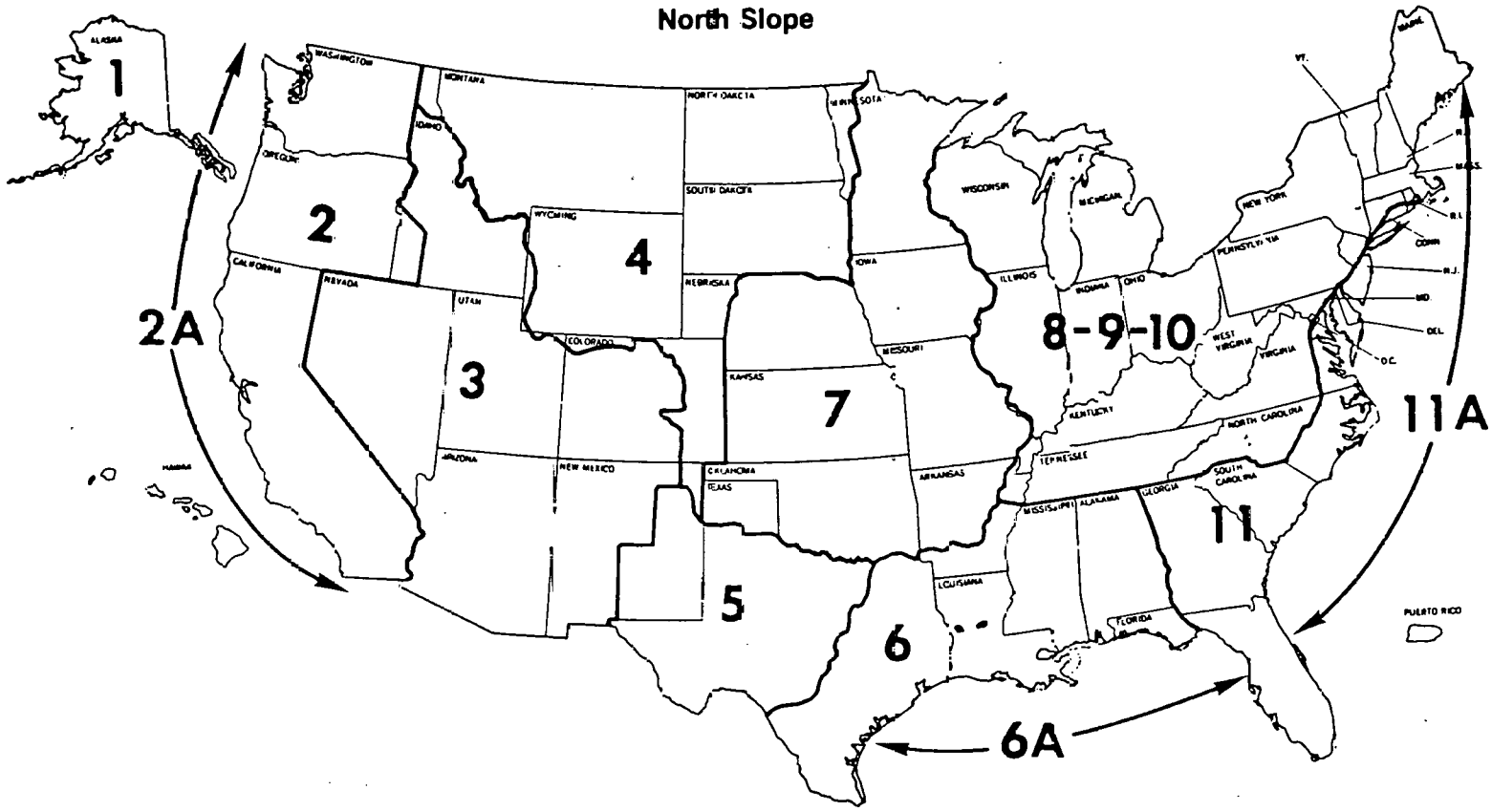
When regions could be identified as containing entire states, these regional supply forecasts were used as control totals for the constitutent states (Regions 1, 2, and 4 were aggregated as were Regions 7, 8, and 9). Production of the region was allocated among the states according to the average production during 1976. BEA area forecasts of production within these states were based upon the average share of the state's coal production in 1973 and 1974. (The production estimates for BEAs were based upon county-specific information provided by the Bureau of Mines.)

While such allocation procedures certainly cannot account for unanticipated acceleration of production in any given BEA, they do make use of all available information which has typically characterized production trends. Since there are more abundant reserves of coal than any other fossil fuel, it was felt that the production of coal would be a better gauge of 1985 and 1990 production than reserves of coal.

Crude Oil and Natural Gas

The Department of Energy forecasts oil and gas supply for eight onshore regions, three offshore regions, and Alaska (Fig. 4). Given the nature of these regions, it was not possible to disaggregate the regions into

Oil and Gas Regions



state portions precisely. The assignment of states to the aggregate oil and gas regions used in PIES is presented in Table 12.

The disaggregation procedure was based upon the results of an econometric analysis of the determinants of state oil and gas production in 1972, 1973, and 1974. Among the explanatory variables examined separately for oil and gas were exploratory drilling activity, cumulative production, oil or gas in place, remaining reserves, indicated and inferred reserves, and estimated ultimate production. Remaining proven reserves of each state were used to allocate the regional control total for 1985. Proven, indicated, and inferred reserves of each state were used to allocate the regional control total for 1990. Natural gas production was allocated similarly, though there are no indicated reserves of natural gas. The BEA natural gas production was estimated based upon the average share of the state's production in 1972, 1973, and 1974.

This particular method of allocation was used because we did not have BEA estimates of remaining reserves but we did have county production estimates for 1972, 1973, and 1974, representing actual production figures supplied by the oil and gas agencies in each state. It is noted, however, that such an allocation procedure might not be applicable after 1985, when resources of oil and gas are dwindling and remaining reserves may be the determining factor characterizing production.

Transformation of Crude Oil and Natural Gas

The Department of Energy forecasts the outputs of refineries and their demand for crude oil and natural gas inputs for five Petroleum Administration

Table 12. Assignments of States to Oil and Gas Producing Regions

Oil and gas regions	States included	
1. Alaska	Alaska	
2 and 2a. Pacific Cost	California Oregon	Hawaii Washington
3. West Rocky Mountains	Arizona Idaho New Mexico	Colorado Nevada Utah
4. East Rocky Mountain	Montana South Dakota	North Dakota Wyoming
5. West Texas and (6 and 6a) Gulf Basin	Alabama Louisiana Texas	Arkansas Mississippi
7. Midcontinent	Iowa Minnesota Nebraska	Kansas Missouri Oklahoma
8, 9 and 10. Michigan Basin and Interior Appalachia	Connecticut Indiana Maine Michigan New York Ohio Rhode Island Vermont West Virginia	Illinois Kentucky Massachusetts New Hampshire North Carolina Pennsylvania Tennessee Virginia Wisconsin
11 and 11a. Atlantic Coast	Delaware Florida Maryland South Carolina	District of Columbia Georgia New Jersey

Districts (PAD's). These regions are shown in Fig. 5. The Pads may be disaggregated into states in the following manner:

PAD 1 — Connecticut, Delaware, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, and West Virginia

PAD 2 — Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, Oklahoma, South Dakota, Tennessee, and Wisconsin

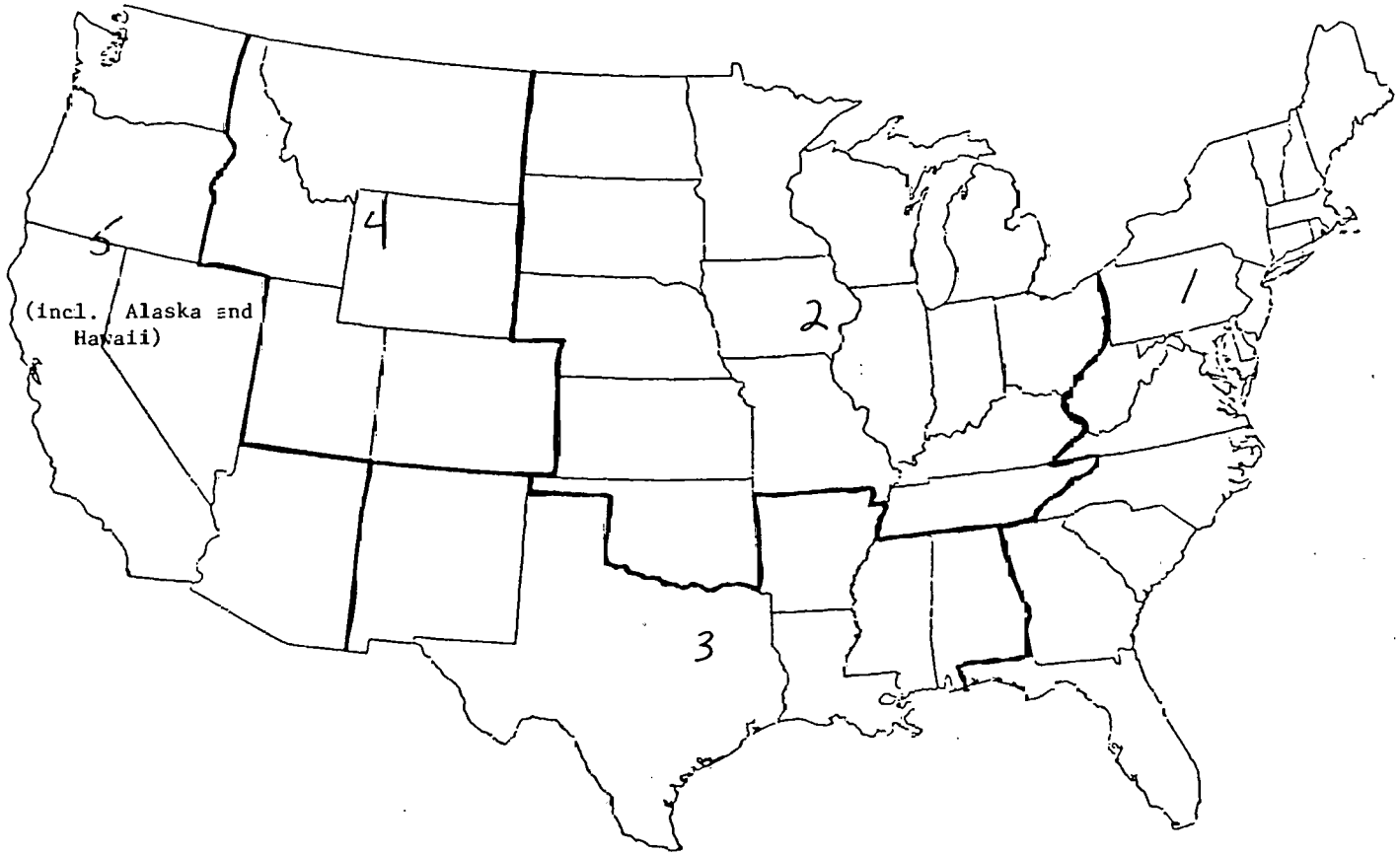
PAD 3 — Alabama, Arkansas, Louisiana, Mississippi, New Mexico, and Texas

PAD 4 — Colorado, Idaho, Montana, Utah, and Wyoming

Pad 5 — Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington

The refining capacity of each of these states as of January 1, 1977, was adjusted by the announced plans of the refiners concerning the expansion of facilities and the building of new plants by 1985 and 1990. Projected refinery capacity by state was utilized to allocate the output of gasoline, distillate oil, residual oil, and other hydrocarbons forecast for each of the refining regions. To be consistent with our historical data volumes, we included jet fuel with other hydrocarbons. The BEA production levels of these outputs were determined based on our projected estimates of refining capacity by county in 1985 and 1990.

Figure 5 PETROLEUM ADMINISTRATION DISTRICTS



The demand for crude oil and natural gas liquids by refiners was estimated based upon refining capacity. The national estimates of the demand for crude oil and natural gas liquids were allocated to states and BEAs based on projected refining capacity in 1985 and 1990.

The demand for natural gas liquids as an input of refiners was determined by DOE's projected demands for both crude oil and natural gas liquids which are given by refining region. Actual crude oil demand for each region was subtracted from the aggregate consumption of refiners to determine the demand for natural gas liquids (NGL). The national proportion of crude oil to NGL inputs was assumed to apply at the regional level as well. The regional totals were allocated to states and BEA areas. The conversion factors for gasoline, distillate oil, residual oil, other hydrocarbons, crude oil, and natural gas liquids are listed in Section V.

New Technologies

The Department of Energy's energy supply projections include estimates of the possible penetration of several new technologies (Table 13). The procedures for regionalizing these are primarily judgemental. We have included several of these new supply technologies in the preparation of our regional tables in order to maintain consistency with the national projections presented in PIES. Because the regional projections are essentially educated guesses, it is desirable to report them separately in the regional tables.

Solar and Geothermal

In the case of direct solar utilization in the residential, commercial, and industrial sectors, the PIES scenario projects likely penetration only at the national level (Table 13). Because it is assumed that the use of direct solar lowers the demand for other energy sources in these sectors, the regional effect of solar is accounted for by a decrease in the demand for other fuels and is captured in the PIES projections. We have not attempted to project regionally the amount of substitution that takes place, (i.e., the demand for direct solar). Central station solar and geothermal (i.e., electricity generated by solar and geothermal technologies in the utility sector) has been regionalized by the procedure discussed in the earlier section pertaining to the utility sector.

Synthetics

Three emerging fuel sources are included in the synthetics category. The Department of Energy projects that a small amount of synthetic gas will be derived from coal and liquid petroleum products. These two processes are indicated separately in the tables. In addition, the projections include some production of crude oil from oil shale deposits. These fuel sources are included in the synthetics line of the tables.

The regional allocation of synthetic gas from coal was performed by first estimating the number of "average size" installations which would be required to meet the federal region total production presented in the PIES projections. These installations were then sited in particular BEA areas. The candidate BEA areas were selected based on the (current or planned)

Table 13. Production projections for new and Emerging Technologies (10^{15} Btu)

	1985	1990
Synthetic fuels		
Shale	0.10	0.35
Syncrude	0	0.05
High Btu Gas	0.10	0.23
Low Btu Gas	0	0.07
Subtotal	0.20	0.70
Geothermal energy		
Electric utility mode	0.2	0.4
Dispersed mode	0.1	0.3
Subtotal	0.3	0.7
Solar heating and cooling		
Buildings	0.068	0.144
Wind energy		
Electric utility mode	0.01	0.08
Photovoltaic applications	0	0.03
Solar thermal energy		
Electric utility mode	0	0.002
Total	0.58	1.66

Source: *Annual Report to Congress.*

presence of a demonstration plant. If no demonstration plants were scheduled to be built in a federal region for which synthetic gas production was projected, the units were allocated based on regional coal availability.

Similarly, average size plants which would produce the projected synthetic gas based on liquid petroleum products conversion were located in candidate BEA areas. The locations, in this case, were based on the (current or planned) presence of a demonstration synthetics plant or a petroleum refinery.

The regional production of synthetic gas by either of these two processes is included in the tables by a (negative) value of synthetic gas produced and a positive (input) entry reflecting either the coal or petroleum liquids (other hydrocarbons) consumed.

The third energy source considered in the synthetics line is the production of oil from shale oil reserves. The production of shale oil was located only in those BEA areas which have shale oil reserves. We have indicated the production of shale oil as a synthetic fuel rather than as a component of crude oil supply in order to indicate the locations we have selected as likely production centers. The regional production of shale oil is represented as a negative (output) number in the crude oil column. There is, however, no matching positive (input) entry.

SECTION V. CONVERSION FACTORS

Crude oil	5,800,000 Btus per barrel
Natural gas (consumption)	1,021,000 Btus per thousand cubic feet
Natural gas (production)	1,093,000 Btus per thousand cubic feet
Electricity	3,412,000 Btus per thousand kilowatt hours
Distillate oil	5,825,000 Btus per barrel
Residual oil	6,287,000 Btus per barrel
Gasoline	5,248,000 Btus per barrel
Kerosene and jet fuel	5,670,000 Btus per barrel
Other hydrocarbons (1980)	5,068,000 Btus per barrel
Other hydrocarbons (1985)	5,020,700 Btus per barrel
Natural gas liquids	4,032,629 Btus per barrel
Coal (1980)	21,890,000 Btus per short ton
Coal (1985)	21,520,000 Btus per short ton

NOTE: To convert each of these factors to metric units, the appropriate rate of conversion is 1 Btu = 1054.8 joules.

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MULTIREGION POPULATION PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

FEAREG	FEA	Y1970	Y1975	Y1980	Y1985	Y1990
0	UNITED STATES	203212	213445	222768	234064	245074
1	NEW ENGLAND	11842	12249	12656	13207	13844
2	N.Y./N.J.	25405	25405	25353	25603	25925
3	MD. ATLANTIC	23414	24238	24912	25734	26477
4	S. ATLANTIC	31855	35069	37934	41019	43930
5	MIDWEST	44057	45041	45916	47298	48626
6	SOUTHWEST	20337	21969	23523	25269	26999
7	CENTRAL	11231	11490	11691	11966	12218
8	N. CENTRAL	5577	6134	6680	7289	7873
9	WEST	22981	24868	26666	28748	30783
10	NORTHWEST	6514	6983	7437	7931	8398

MULTIREGION POPULATION PROJECTIONS
BASED ON DCE MID-MID SCENARIO
THOUSANDS OF PERSONS

CENNO	CENSUS	Y1970	Y1975	Y1980	Y1985	Y1990
0	UNITED STATES	203212	213445	222768	234064	245074
1	NEW ENGLAND	11842	12249	12656	13207	13844
2	MD. ATLANTIC	37199	37420	37511	37964	38468
3	E.N. CENTRAL	40252	41079	41820	43013	44158
4	W.N. CENTRAL	16319	16762	17118	17625	18102
5	SO. ATLANTIC	30671	33738	36550	39576	42425
6	E.S. CENTRAL	12803	13554	14139	14817	15440
7	W.S. CENTRAL	19321	20847	22286	23905	25512
8	MOUNTAIN	8282	9512	10769	12140	13491
9	PACIFIC	26523	28283	29920	31818	33635

MULTIREGION POPULATION PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

FIPST	STATE	Y1970	Y1975	Y1980	Y1985	Y1990
0	UNITED STATES	203212	213445	222768	234064	245074
1	ALABAMA	3444	3633	3769	3928	4074
2	ALASKA	300	350	400	467	533
4	ARIZONA	1771	2181	2611	3083	3568
5	ARKANSAS	1923	2086	2239	2409	2579
6	CALIFORNIA	19953	21232	22424	23841	25205
8	COLORADO	2207	2521	2831	3153	3462
9	CONNECTICUT	3032	3102	3181	3298	3421
10	DELAWARE	548	574	597	623	647
11	DIST OF COLUMBIA	757	716	716	716	716
12	FLORIDA	6789	8256	9703	11192	12625
13	GEORGIA	4590	4967	5314	5717	6116
15	HAWAII	769	864	943	1025	1102
16	IDAHO	713	795	884	980	1070
17	ILLINOIS	11114	11195	11289	11524	11763
18	INDIANA	5194	5327	5456	5624	5785
19	IOWA	2824	2879	2924	2989	3057
20	KANSAS	2247	2290	2303	2321	2330
21	KENTUCKY	3219	3387	3516	3676	3833
22	LOUISIANA	3641	3788	3902	4049	4209
23	MAINE	992	1055	1108	1159	1203
24	MARYLAND	3922	4160	4368	4623	4867
25	MASSACHUSETTS	5689	5877	6070	6347	6692
26	MICHIGAN	8875	9155	9368	9720	10060
27	MINNESOTA	3805	3961	4096	4285	4469
28	MISSISSIPPI	2217	2318	2398	2524	2644
29	MISSOURI	4677	4783	4875	5013	5141
30	MONTANA	694	734	780	836	887
31	NEBRASKA	1483	1538	1589	1643	1690
32	NEVADA	489	592	689	798	908
33	NEW HAMPSHIRE	738	769	800	841	889
34	NEW JERSEY	7168	7166	7204	7313	7432
35	NEW MEXICO	1016	1122	1237	1364	1488
36	NEW YORK	18237	18219	18149	18291	18493
37	NORTH CAROLINA	5082	5470	5768	6081	6344
38	NORTH DAKOTA	618	633	645	677	706
39	OHIO	10652	10791	10902	11092	11262
40	OKLAHOMA	2559	2736	2897	3055	3204
41	OREGON	2091	2288	2473	2659	2834
42	PENNSYLVANIA	11794	12015	12158	12360	12543
44	RHODE ISLAND	947	974	999	1039	1093
45	SOUTH CAROLINA	2591	2821	3010	3212	3405
46	SOUTH DAKOTA	666	679	686	698	710
47	TENNESSEE	3924	4217	4456	4688	4890
48	TEXAS	11197	12236	13248	14393	15520
49	UTAH	1059	1211	1353	1510	1661
50	VERMONT	444	472	497	523	547
51	VIRGINIA	4648	4970	5227	5509	5756
53	WASHINGTON	3409	3550	3679	3825	3962
54	WEST VIRGINIA	1744	1802	1847	1903	1948
55	WISCONSIN	4418	4611	4805	5052	5288
56	WYOMING	332	357	384	416	447

MULTIREGION POPULATION PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

EANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
0	UNITED STATES TOTAL	203212	213445	222768	234064	245074
1	BANGOR MAINE	322	340	357	375	389
2	PORTLAND-SOUTH PORTLAND MAINE	741	792	833	870	905
3	BURLINGTON VERMONT	502	534	563	591	617
4.	BOSTON MASSACHUSETT	6339	6542	5749	7061	7461
5	HARTFORD CONNECTICUT	2967	3070	3181	3322	3469
6	ALBANY-SCHENECTADY-TROY NEW YORK	1333	1385	1433	1479	1526
7	SYRACUSE NEW YORK	1445	1474	1487	1511	1534
8	ROCHESTER NEW YORK	1016	1041	1076	1137	1203
9	BUFFALO NEW YORK	1789	1778	1760	1754	1749
10	ERIE PENNSYLVANIA	460	473	482	496	513
11	WILLIAMSPORT PENNSYLVANIA	419	435	445	463	478
12	BINGHAMTON NEW YORK-PENNSYLVANIA	765	775	772	774	779
13	WILKES-BARRE-HAZLETON PENNSYLVANIA	692	712	725	738	748
14	NEW YORK NEW YORK	18273	18115	17944	18021	18163
15	PHILADELPHIA PENNSYLVANIA-NEW JERSEY	7282	7489	7661	7868	8068
16	HARRISBURG PENNSYLVANIA	1724	1810	1886	1961	2025
17	BALTIMORE MARYLAND	2670	2794	2901	3023	3139
18	WASHINGTON-DC MARYLAND-VIRGINIA	3090	3268	3458	3703	3937
19	STAUNTON VIRGINIA	395	432	465	499	531
20	ROANOKE VIRGINIA	831	884	929	969	1002
21	RICHMOND VIRGINIA	1009	1071	1122	1174	1222
22	NORFOLK-PORTSMOUTH VIRGINIA	1233	1305	1348	1398	1432
23	RALEIGH NORTH CAROLINA	1621	1761	1869	1973	2057
24	WILMINGTON NORTH CAROLINA	482	526	545	566	579
25	GREENSBORO-WINSTON SALEM-HIGH POINT N.C.	1143	1210	1269	1329	1383
26	CHARLOTTE NORTH CAROLINA	1490	1599	1692	1792	1883
27	ASHEVILLE NORTH CAROLINA	392	424	449	483	513
28	GREENVILLE SOUTH CAROLINA	818	891	958	1016	1069
29	COLUMBIA SOUTH CAROLINA	611	675	723	773	822
30	FLORENCE SOUTH CAROLINA	401	436	466	511	553
31	CHARLESTON SOUTH CAROLINA	431	473	503	538	573
32	AUGUSTA GEORGIA	461	470	472	479	490
33	SAVANNAH GEORGIA	418	429	434	443	456
34	JACKSONVILLE FLORIDA	1051	1205	1342	1489	1628
35	ORLANDO FLORIDA	941	1130	1313	1516	1730
36	MIAMI FLORDIA	2431	3004	3562	4117	4644
37	TAMPA-SAINT PETERSBURG FLORIDA	1798	2289	2791	3292	3769
38	TALLAHASSEE FLORIDA	344	392	443	507	569
39	PENSACOLA FLORIDA	382	415	451	490	524
40	MONTGOMERY ALAEAMA	687	728	753	785	819
41	ALBANY GEORGIA	461	486	504	528	552
42	MACON GEORGIA	496	514	527	550	573
43	COLUMBUS GEORGIA-ALABAMA	488	485	479	480	481
44	ATLANTA GEORGIA	2297	2581	2862	3169	3468
45	BIRMINGHAM ALABAMA	1725	1810	1865	1923	1968
46	MEMPHIS TENNESSEE-ARKANSAS	1701	1783	1842	1905	1961
47	HUNTSVILLE ALABAMA	671	708	738	775	813
48	CHATTANOOGA TENNESSEE-GEORGIA	718	789	848	906	959
49	NASHVILLE TENNESSEE	1427	1551	1657	1755	1840
50	KNOXVILLE TENNESSEE	905	983	1048	1114	1172
51	BRISTOL VIRGINIA-TENNESSEE	762	810	847	882	911

MULTIREGION POPULATION PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

EANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
52	HUNTINGTON-ASHLAND WEST VIRGINIA-KENTUCKY-OHIO	1310	1344	1361	1376	1385
53	LEXINGTON KENTUCKY	753	827	892	966	1044
54	LOUISVILLE KENTUCKY-INDIANA	1221	1262	1284	1320	1354
55	EVANSVILLE INDIANA-KENTUCKY	771	788	798	819	842
56	TERRE HAUTE INDIANA	253	254	263	277	291
57	SPRINGFIELD ILLINOIS	491	502	514	530	547
58	CHAMPAIGN-URBANA ILLINOIS	390	394	401	410	418
59	LAFAYETTE-WEST LAFAYETTE INDIANA	251	256	262	271	279
60	INDIANAPOLIS INDIANA	1613	1671	1732	1795	1853
61	ANDERSON INDIANA	552	553	549	550	552
62	CINCINNATI OHIO-KENTUCKY-INDIANA	1889	1928	1959	1995	2027
63	DAYTON OHIO	1160	1164	1164	1177	1186
64	COLUMBUS OHIO	1763	1858	1944	2035	2118
65	CLARKSBURG WEST VIRGINIA	327	346	368	400	427
66	PITTSBURGH PENNSYLVANIA	3716	3656	3574	3521	3466
67	YOUNGSTOWN-WARREN OHIO	771	775	777	788	796
68	CLEVELAND OHIO	4256	4230	4205	4221	4235
69	LIMA OHIO	276	282	287	299	311
70	TOLEDO OHIO	1054	1084	1112	1143	1172
71	DETROIT MICHIGAN	5208	5276	5306	5448	5588
72	SAGINAW MICHIGAN	798	858	914	980	1045
73	GRAND RAPIDS MICHIGAN	1124	1208	1269	1344	1418
74	LANSING MICHIGAN	1035	1078	1123	1170	1211
75	FORT WAYNE INDIANA	597	621	641	669	698
76	SOUTH BEND INDIANA	747	772	793	811	827
77	CHICAGO ILLINOIS	8194	8243	8307	8484	8657
78	PEORIA ILLINOIS	629	654	683	718	753
79	DAVENPORT-ROCK ISLAND-MOLINE IOWA-ILLINOIS	605	617	627	645	667
80	CEDAR RAPIDS IOWA	330	337	345	357	370
81	DUBUQUE IOWA	302	309	315	326	337
82	ROCKFORD ILLINOIS	560	564	566	577	590
83	MADISON WISCONSIN	456	490	530	574	615
84	MILWAUKEE WISCONSIN	2066	2121	2173	2249	2320
85	APPLETON-OSHKOSH WISCONSIN	926	979	1021	1064	1106
86	WAUSAU WISCONSIN	350	379	404	439	473
87	DULUTH-SUPERIOR MINNESOTA-WISCONSIN	429	426	418	412	403
88	EAU CLAIRE WISCONSIN	220	240	269	302	334
89	LA CROSSE WISCONSIN	269	282	296	315	333
90	ROCHESTER MINNESOTA	245	252	259	269	279
91	MINNEAPOLIS-SAINT PAUL MINNESOTA	2935	3078	3208	3381	3550
92	GRAND FORKS NORTH DAKOTA	220	230	238	254	270
93	MINOT NORTH DAKOTA	182	181	179	183	186
94	GREAT FALLS MONTANA	223	228	235	239	241
95	BILLINGS MONTANA	247	263	282	304	326
96	BISMARK NORTH DAKOTA	145	149	155	165	176
97	FARGO-MOORHEAD NORTH DAKOTA-MINNESOTA	335	345	350	363	372
98	ABERDEEN SOUTH DAKOTA	133	134	133	135	137
99	SIOUX FALLS SOUTH DAKOTA	365	366	364	362	362
100	RAPID CITY SOUTH DAKOTA	232	242	253	265	275
101	SCOTTSBLUFF NEBRASKA	106	104	101	98	92
102	GRAND ISLAND NEBRASKA	324	332	338	346	353
103	SIOUX CITY IOWA-NEBRASKA	454	457	455	451	447

MULTIREGION POPULATION PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

BEANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
104	FORT DODGE IOWA	266	265	264	264	265
105	WATERLOO IOWA	426	431	434	440	449
106	DES MOINES IOWA	783	808	830	854	874
107	OMAHA NEBRASKA-IOWA	794	835	874	918	960
108	LINCOLN NEBRASKA	324	337	351	365	378
109	SALINA KANSAS	349	348	341	332	323
110	WICHITA KANSAS	728	729	715	700	682
111	KANSAS CITY MISSOURI-KANSAS	2249	2296	2340	2401	2450
112	COLUMBIA MISSOURI	397	425	457	494	530
113	QUINCY ILLINOIS	299	295	291	290	291
114	ST. LOUIS MISSOURI-ILLINOIS	3248	3242	3232	3251	3275
115	PADUCAH KENTUCKY	559	586	603	637	663
116	SPRINGFIELD MISSOURI	830	901	953	1007	1056
117	LITTLE ROCK-NORTH LITTLE ROCK ARKANSAS	865	962	1045	1138	1228
118	FORT SMITH ARKANSAS-OKLAHOMA	289	340	410	487	569
119	TULSA OKLAHOMA	1014	1089	1155	1217	1272
120	OKLAHOMA CITY OKLAHOMA	1157	1241	1314	1380	1442
121	WICHITA FALLS TEXAS	456	460	449	442	434
122	AMARILLO TEXAS	438	440	439	436	433
123	LUBBOCK TEXAS	329	337	347	356	362
124	ODESSA TEXAS	319	321	322	326	329
125	ABILENE TEXAS	265	274	278	285	292
126	SAN ANGELO TEXAS	125	131	144	164	187
127	DALLAS TEXAS	2736	2946	3152	3393	3630
128	KILLEEN-TEMPLE TEXAS	404	466	521	583	639
129	AUSTIN TEXAS	560	672	780	897	1015
130	TYLER TEXAS	553	599	642	696	746
131	TEXARKANA TEXAS-ARKANSAS	330	356	386	421	458
132	SHREVEPORT LOUISIANA	454	464	469	482	499
133	MONROE LOUISIANA	533	546	556	567	596
134	GREENVILLE MISSISSIPPI	507	496	482	476	476
135	JACKSON MISSISSIPPI	510	550	582	632	679
136	MERIDIAN MISSISSIPPI	393	411	425	455	481
137	MOBILE ALABAMA	724	774	820	874	925
138	NEW ORLEANS LOUISIANA	2149	2253	2338	2444	2547
139	LAKE CHARLES LOUISIANA	748	775	796	822	842
140	BEAUMONT-PORT ARTHUR-ORANGE TEXAS	395	403	406	424	441
141	HOUSTON TEXAS	2363	2696	3051	3416	3780
142	SAN ANTONIO TEXAS	1229	1343	1428	1529	1626
143	CORPUS CHRISTI TEXAS	516	533	549	570	588
144	MCALLEN-PHARR-EDINBURG TEXAS	355	413	480	555	633
145	EL PASO TEXAS	682	744	809	883	953
146	ALBUQUERQUE NEW MEXICO	573	642	718	801	882
147	COLORADO SPRINGS COLORADO	509	571	629	691	748
148	DENVER COLORADO	1523	1750	1971	2198	2417
149	GRAND JUNCTION COLORADO	252	289	335	385	436
150	CHEYENNE WYOMING	229	246	266	289	313
151	SALT LAKE CITY UTAH	1062	1210	1346	1497	1641
152	IDAHO FALLS IDAHO	300	337	375	417	456
153	BUTTE MONTANA	235	256	279	311	341
154	SPOKANE WASHINGTON	687	730	772	813	847
155	SEATTLE-EVERETT WASHINGTON	2364	2434	2498	2577	2649

MULTIREGION POPULATION PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

BEANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
156	YAKIMA WASHINGTON	407	429	448	470	495
157	PORTLAND OREGON-WASHINGTON	1637	1781	1907	2034	2154
158	EUGENE OREGON	541	605	674	742	805
159	BOISE CITY IDAHO	265	304	349	397	444
160	RENO NEVADA	207	249	291	338	384
161	LAS VEGAS NEVADA	317	385	447	519	592
162	PHOENIX ARIZONA	1316	1637	1969	2339	2721
163	TUCSON ARIZONA	454	544	641	744	847
164	SAN DIEGO CALIFORNIA	1358	1574	1755	1938	2099
165	LOS ANGELES-LONG BEACH CALIFORNIA	10436	10943	11416	12032	12642
166	FRESNO CALIFORNIA	1037	1102	1159	1224	1289
167	STOCKTON CALIFORNIA	643	705	763	831	900
168	SACRAMENTO CALIFORNIA	1089	1204	1324	1457	1588
169	REDDING CALIFORNIA	177	194	214	246	280
170	EUREKA CALIFORNIA	122	126	128	129	129
171	SAN FRANCISCO-OAKLAND CALIFORNIA	5091	5383	5665	5983	6278
172	ANCHORAGE ALASKA	300	350	400	467	533
173	HONOLULU HAWAII	769	864	943	1025	1102

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VII. MULTIREGION EMPLOYMENT PROJECTIONS

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MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

FEAREG	FEA	Y1970	Y1975	Y1980	Y1985	Y1990
0	US TOTAL	79280	87689	96205	105680	109428
1	NEW ENGLAND	4888	5228	5566	5973	6056
2	N.Y./N.J.	10109	10700	11029	11574	11535
3	MD. ATLANTIC	9218	10101	10875	11777	12037
4	S. ATLANTIC	12113	13932	15895	18032	19157
5	MIDWEST	17130	18705	19998	21522	21876
6	SOUTHWEST	7586	8571	9849	11183	11913
7	CENTRAL	4452	4780	5077	5432	5490
8	N. CENTRAL	2139	2427	2840	3251	3478
9	WEST	9141	10435	11876	13354	14127
10	NORTHWEST	2505	2812	3201	3581	3758

MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

CENNO	CENSUS	Y1970	Y1975	Y1980	Y1985	Y1990
0	US TOTAL	79280	87689	95205	105680	109428
1	NEW ENGLAND	4888	5228	5566	5973	6056
2	MD. ATLANTIC	14699	15627	15212	17064	17027
3	E.N. CENTRAL	15627	17040	18142	19490	19780
4	W.N. CENTRAL	6428	6943	7489	8071	8204
5	SO. ATLANTIC	12122	13919	15751	17812	18905
6	E.S. CENTRAL	4619	5187	5835	6507	6797
7	W.S. CENTRAL	7241	8173	9373	10637	11330
8	MOUNTAIN	3145	3703	4493	5279	5784
9	PACIFIC	10511	11870	13343	14847	15544

MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

FIPST	STATE	Y1970	Y1975	Y1980	Y1985	Y1990
0	US TOTAL	79280	87689	96205	105680	109428
1	ALABAMA	1233	1366	1540	1705	1775
2	ALASKA	124	140	176	207	232
4	ARIZONA	650	818	1051	1285	1461
5	ARKANSAS	669	763	886	1018	1098
6	CALIFORNIA	7936	8989	10103	11234	11760
8	COLORADO	891	1050	1229	1433	1562
9	CONNECTICUT	1280	1377	1478	1578	1602
10	DELAWARE	219	241	251	271	278
11	DIST OF COLUMBIA	343	393	449	506	537
12	FLORIDA	2567	3107	3756	4438	4885
13	GEORGIA	1837	2107	2366	2682	2845
15	HAWAII	342	377	410	458	482
16	IDAHO	271	308	370	425	455
17	ILLINOIS	4518	4865	5099	5410	5443
18	INDIANA	2037	2228	2346	2531	2580
19	IOWA	1118	1200	1277	1373	1394
20	KANSAS	905	940	975	1016	1001
21	KENTUCKY	1139	1281	1433	1605	1679
22	LOUISIANA	1214	1344	1533	1719	1798
23	MAINE	382	414	444	483	492
24	MARYLAND	1615	1813	1990	2200	2302
25	MASSACHUSETTS	2348	2508	2670	2865	2899
26	MICHIGAN	3237	3554	3900	4252	4366
27	MINNESOTA	1503	1665	1855	2032	2096
28	MISSISSIPPI	751	824	951	1064	1115
29	MISSOURI	1825	1987	2129	2297	2340
30	MONTANA	255	283	334	379	400
31	NEBRASKA	605	653	696	746	755
32	NEVADA	213	251	313	378	425
33	NEW HAMPSHIRE	301	320	337	361	365
34	NEW JERSEY	2924	3100	3143	3278	3246
35	NEW MEXICO	344	398	476	547	583
36	NEW YORK	7185	7600	7886	8297	8289
37	NORTH CAROLINA	2073	2374	2643	2933	3064
38	NORTH DAKOTA	220	232	270	301	312
39	OHIO	4104	4467	4684	4987	5012
40	OKLAHOMA	981	1087	1188	1315	1371
41	OREGON	792	907	1034	1169	1237
42	PENNSYLVANIA	4590	4927	5183	5489	5492
44	RHODE ISLAND	405	418	432	457	457
45	SOUTH CAROLINA	1017	1157	1295	1472	1566
46	SOUTH DAKOTA	252	267	286	306	306
47	TENNESSEE	1496	1716	1911	2133	2228
48	TEXAS	4377	4979	5765	6585	7063
49	UTAH	391	453	553	639	693
50	VERMONT	170	190	206	229	240
51	VIRGINIA	1897	2118	2319	2565	2671
53	WASHINGTON	1318	1457	1621	1780	1834
54	WEST VIRGINIA	555	608	682	745	757
55	WISCONSIN	1732	1925	2113	2309	2380
56	WYOMING	130	142	168	192	205

MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

BEANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
0	UNITED STATES TOTAL	79280	87689	96205	105680	109428
1	BANGOR MAINE	117	127	144	156	157
2	PORTLAND-SOUTH PORTLAND MAINE	295	318	334	365	375
3	BURLINGTON VERMONT	193	216	234	260	274
4	BOSTON MASSACHUSETT	2636	2792	2954	3157	3180
5	HARTFORD CONNECTICUT	1247	1358	1481	1603	1646
6	ALBANY-SCHENECTADY-TROY NEW YORK	517	559	574	617	630
7	SYRACUSE NEW YORK	541	570	605	640	638
8	ROCHESTER NEW YORK	413	451	502	558	588
9	BUFFALO NEW YORK	676	705	716	741	726
10	ERIE PENNSYLVANIA	171	182	202	225	235
11	WILLIAMSPORT PENNSYLVANIA	156	168	193	215	224
12	BINGHAMTON NEW YORK-PENNSYLVANIA	288	298	313	329	326
13	WILKES-BARRE-HAZLETON PENNSYLVANIA	274	294	311	334	338
14	NEW YORK NEW YORK	7380	7774	7951	8279	8198
15	PHILADELPHIA PENNSYLVANIA-NEW JERSEY	2927	3182	3305	3523	3555
16	HARRISBURG PENNSYLVANIA	712	787	830	887	893
17	BALTIMORE MARYLAND	1089	1208	1298	1420	1471
18	WASHINGTON-DC MARYLAND-VIRGINIA	1349	1540	1743	1961	2084
19	STAUNTON VIRGINIA	157	181	207	238	254
20	ROANOKE VIRGINIA	329	374	396	438	458
21	RICHMOND VIRGINIA	412	466	508	566	591
22	NORFOLK-PORTSMOUTH VIRGINIA	506	545	594	642	651
23	RALEIGH NORTH CAROLINA	634	730	810	905	955
24	WILMINGTON NORTH CAROLINA	198	214	246	264	264
25	GREENSBORO-WINSTON SALEM-HIGH POINT N.C.	485	552	600	658	681
26	CHARLOTTE NORTH CAROLINA	637	739	823	916	960
27	ASHEVILLE NORTH CAROLINA	146	171	198	228	243
28	GREENVILLE SOUTH CAROLINA	337	387	405	451	476
29	COLUMBIA SOUTH CAROLINA	244	277	317	364	391
30	FLORENCE SOUTH CAROLINA	143	164	199	231	248
31	CHARLESTON SOUTH CAROLINA	167	186	219	253	273
32	AUGUSTA GEORGIA	179	198	207	228	233
33	SAVANNAH GEORGIA	156	168	181	200	205
34	JACKSONVILLE FLORIDA	410	472	569	653	701
35	ORLANDO FLORIDA	354	433	547	659	737
36	MIAMI FLORDIA	968	1169	1355	1595	1756
37	TAMPA-SAINT PETERSBURG FLORIDA	622	781	971	1163	1293
38	TALLAHASSEE FLORIDA	128	151	196	236	263
39	PENSACOLA FLORIDA	143	168	198	223	234
40	MONTGOMERY ALABAMA	256	276	315	356	375
41	ALBANY GEORGIA	173	188	208	234	247
42	MACON GEORGIA	185	204	226	251	262
43	COLUMBUS GEORGIA-ALABAMA	193	206	212	225	224
44	ATLANTA GEORGIA	956	1145	1324	1529	1650
45	BIRMINGHAM ALABAMA	622	680	751	813	830
46	MEMPHIS TENNESSEE-ARKANSAS	606	678	737	806	823
47	HUNTSVILLE ALABAMA	245	282	327	370	392
48	CHATTANOOGA TENNESSEE-GEORGIA	276	317	354	403	433
49	NASHVILLE TENNESSEE	563	644	696	774	805
50	KNOXVILLE TENNESSEE	305	353	411	463	485
51	BRISTOL VIRGINIA-TENNESSEE	249	284	322	354	364

MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

BEANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
52	HUNTINGTON-ASHLAND WEST VIRGINIA-KENTUCKY-OHIO	388	427	471	503	499
53	LEXINGTON KENTUCKY	258	305	374	449	492
54	LOUISVILLE KENTUCKY-INDIANA	478	532	577	631	648
55	EVANSVILLE INDIANA-KENTUCKY	282	313	344	380	395
56	TERRE HAUTE INDIANA	95	103	117	131	138
57	SPRINGFIELD ILLINOIS	199	214	233	254	262
58	CHAMPAIGN-URBANA ILLINOIS	160	174	189	202	204
59	LAFAYETTE-WEST LAFAYETTE INDIANA	101	110	120	131	135
60	INDIANAPOLIS INDIANA	644	718	741	802	819
61	ANDERSON INDIANA	212	225	227	237	236
62	CINCINNATI OHIO-KENTUCKY-INDIANA	711	770	799	853	857
63	DAYTON OHIO	457	502	527	559	561
64	COLUMBUS OHIO	674	757	820	898	925
65	CLARKSBURG WEST VIRGINIA	108	121	150	175	186
66	PITTSBURGH PENNSYLVANIA	1320	1370	1431	1465	1416
67	YOUNGSTOWN-WARREN OHIO	282	300	328	344	340
68	CLEVELAND OHIO	1672	1794	1845	1933	1917
69	LIMA OHIO	104	115	125	138	144
70	TOLEDO OHIO	403	445	459	495	504
71	DETROIT MICHIGAN	1908	2071	2259	2440	2487
72	SAGINAW MICHIGAN	267	308	358	404	427
73	GRAND RAPIDS MICHIGAN	411	453	516	573	597
74	LANSING MICHIGAN	399	447	477	521	535
75	FORT WAYNE INDIANA	241	271	298	330	345
76	SOUTH BEND INDIANA	299	325	335	357	359
77	CHICAGO ILLINOIS	3374	3623	3747	3927	3911
78	PEORIA ILLINOIS	252	279	306	342	360
79	DAVENPORT-ROCK ISLAND-MOLINE IOWA-ILLINOIS	239	258	281	307	320
80	CEDAR RAPIDS IOWA	136	147	160	175	183
81	DUBUQUE IOWA	114	122	133	147	151
82	ROCKFORD ILLINOIS	228	246	265	284	290
83	MADISON WISCONSIN	189	218	256	291	310
84	MILWAUKEE WISCONSIN	839	921	981	1039	1042
85	APPLETON-OSHKOSH WISCONSIN	335	372	405	445	460
86	WAUSAU WISCONSIN	128	147	171	198	214
87	DULUTH-SUPERIOR MINNESOTA-WISCONSIN	149	153	166	172	168
88	EAU CLAIRE WISCONSIN	81	94	113	135	150
89	LA CROSSE WISCONSIN	101	112	128	144	153
90	ROCHESTER MINNESOTA	100	106	118	130	136
91	MINNEAPOLIS-SAINT PAUL MINNESOTA	1182	1327	1477	1622	1677
92	GRAND FORKS NORTH DAKOTA	78	83	99	114	122
93	MINOT NORTH DAKOTA	64	66	76	83	84
94	GREAT FALLS MONTANA	84	91	99	103	100
95	BILLINGS MONTANA	94	104	123	141	150
96	BISMARK NORTH DAKOTA	51	54	63	72	77
97	FARGO-MOORHEAD NORTH DAKOTA-MINNESOTA	121	129	150	164	167
98	ABERDEEN SOUTH DAKOTA	49	51	53	57	58
99	SIOUX FALLS SOUTH DAKOTA	140	147	153	162	161
100	RAPID CITY SOUTH DAKOTA	86	92	105	114	114
101	SCOTTSBLUFF NEBRASKA	41	40	43	42	38
102	GRAND ISLAND NEBRASKA	128	138	150	161	164
103	SIOUX CITY IOWA-NEBRASKA	173	181	182	188	183

MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

BEANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
104	FORT DODGE IOWA	101	105	111	117	116
105	WATERLOO IOWA	163	172	182	198	203
106	DES MOINES IOWA	320	348	371	395	397
107	OMAHA NEBRASKA-IOWA	324	356	378	408	417
108	LINCOLN NEBRASKA	139	151	163	176	180
109	SALINA KANSAS	138	137	134	133	126
110	WICHITA KANSAS	294	289	295	300	286
111	KANSAS CITY MISSOURI-KANSAS	925	1012	1059	1121	1122
112	COLUMBIA MISSOURI	156	177	203	232	250
113	QUINCY ILLINOIS	116	121	128	136	136
114	ST. LOUIS MISSOURI-ILLINOIS	1240	1328	1385	1478	1488
115	PADUCAH KENTUCKY	190	210	252	283	297
116	SPRINGFIELD MISSOURI	302	330	376	417	435
117	LITTLE ROCK-NORTH LITTLE ROCK ARKANSAS	310	357	423	489	530
118	FORT SMITH ARKANSAS-OKLAHOMA	98	129	168	218	260
119	TULSA OKLAHOMA	387	433	476	528	549
120	OKLAHOMA CITY OKLAHOMA	457	510	549	604	626
121	WICHITA FALLS TEXAS	185	181	187	190	186
122	AMARILLO TEXAS	173	173	182	185	178
123	LUBBOCK TEXAS	124	132	144	152	151
124	ODESSA TEXAS	125	128	137	141	139
125	ABILENE TEXAS	104	102	113	120	120
126	SAN ANGELO TEXAS	50	55	66	80	93
127	DALLAS TEXAS	1160	1329	1523	1726	1843
128	KILLEEN-TEMPLE TEXAS	168	191	242	283	306
129	AUSTIN TEXAS	218	268	350	437	502
130	TYLER TEXAS	200	229	267	309	335
131	TEXARKANA TEXAS-ARKANSAS	116	132	159	187	207
132	SHREVEPORT LOUISIANA	155	164	188	211	219
133	MONROE LOUISIANA	163	179	209	248	262
134	GREENVILLE MISSISSIPPI	159	165	182	196	195
135	JACKSON MISSISSIPPI	178	202	245	284	307
136	MERIDIAN MISSISSIPPI	131	144	175	200	212
137	MOBILE ALABAMA	253	284	330	371	395
138	NEW ORLEANS LOUISIANA	724	806	907	1000	1034
139	LAKE CHARLES LOUISIANA	247	277	319	357	381
140	BEAUMONT-PORT ARTHUR-ORANGE TEXAS	143	151	173	192	199
141	HOUSTON TEXAS	953	1151	1314	1549	1705
142	SAN ANTONIO TEXAS	454	502	585	652	681
143	CORPUS CHRISTI TEXAS	178	193	219	241	253
144	MCALLEN-PHARR-EDINBURG TEXAS	103	122	151	178	196
145	EL PASO TEXAS	238	273	320	359	375
146	ALBUQUERQUE NEW MEXICO	192	229	280	327	354
147	COLORADO SPRINGS COLORADO	195	229	278	320	342
148	DENVER COLORADO	631	744	853	993	1080
149	GRAND JUNCTION COLORADO	89	105	132	163	189
150	CHEYENNE WYOMING	90	100	119	138	149
151	SALT LAKE CITY UTAH	393	454	553	638	690
152	IDAHO FALLS IDAHO	115	131	159	182	195
153	BUTTE MONTANA	82	94	120	144	159
154	SPOKANE WASHINGTON	250	279	315	344	350
155	SEATTLE-EVERETT WASHINGTON	932	1032	1138	1242	1276

MULTIREGION EMPLOYMENT PROJECTIONS
BASED ON DOE MID-MID SCENARIO
THOUSANDS OF PERSONS

BEANO	BEA	Y1970	Y1975	Y1980	Y1985	Y1990
156	YAKIMA WASHINGTON	150	161	189	216	228
157	PORTLAND OREGON-WASHINGTON	632	714	793	888	934
158	EUGENE OREGON	192	228	275	318	342
159	BOISE CITY IDAHO	106	123	152	180	198
160	RENO NEVADA	90	103	134	158	175
161	LAS VEGAS NEVADA	136	162	196	239	272
162	PHOENIX ARIZONA	486	616	797	981	1122
163	TUCSON ARIZONA	164	202	254	305	340
164	SAN DIEGO CALIFORNIA	570	662	784	875	915
165	LOS ANGELES-LONG BEACH CALIFORNIA	4178	4707	5266	5838	6103
166	FRESNO CALIFORNIA	362	401	460	511	531
167	STOCKTON CALIFORNIA	229	258	307	353	382
168	SACRAMENTO CALIFORNIA	405	473	566	650	698
169	REDDING CALIFORNIA	61	70	91	113	131
170	EUREKA CALIFORNIA	41	46	50	52	51
171	SAN FRANCISCO-OAKLAND CALIFORNIA	2089	2372	2579	2841	2950
172	ANCHORAGE ALASKA	124	140	176	207	232
173	HONOLULU HAWAII	342	377	410	458	482

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Footnotes

1. Federal Energy Administration, *1976 National Energy Outlook*, Washington, D.C. February 1976.

2. Department of Energy, *Energy Information Adminsitration Annual Report to Congress 1977*, DOE/EIA-0036, April 1978.

3. Several changes in format however, have been necessary in the current volume from that used in earlier volumes. These differences are described in section III.

4. The Project Independence Evaluation System (PIES) is described in the *1976 National Energy Outlook*. The level of regional detail presented in the PIES model is below the national level. Demand projections and electric utility projections are presented for Federal Regions. The supply of fuels is presented by several aggregated fuel specific regions. In all cases, the level of regional detail is very aggregate relative to the concerns in this report; hence, the PIES model is considered a "national" as opposed to a "regional" model.

5. The REBS system is described in: D. P. Vogt and P. L. Rice, *REBS: A Methodology for Addressing the Regional Implications of National Energy Scenarios*, ORNL/TM (forthcoming).

6. The REBS model has been used to regionalize a wide variety of scenarios for various DOE related studies. In order to facilitate further detailed regional analysis, the regional projections of energy consumption by region, sector, and fuel are available from ORNL on computer tape for some of these alternative scenarios.

7. The question of interregional flows of energy has been examined by ORNL for a concurrent EDA sponsored project: P. L. Rice, *State Energy Flows in 1976*, ORNL/TM (forthcoming).

8. U.S. Department of Commerce, *Annual Survey of Manufactures 1975, Fuels and Electric Energy Consumed*, M75(A5)-4, September 1977.

9. The DOE projections actually report electricity and coal use for the refining sector as part of the Industrial sector total, and project refineries' use of fuel separately only for fuel oils and natural gas.

10. Several internal inconsistencies in our tables contribute to several of the reported errors. The large error in distillate oil of .5 quads is matched by the -.5 quad error in other hydrocarbons (1985 table). This is because the demand allocation program included projected kerosene consumption (0.53 quads) in the "other hydrocarbons" total, while kerosene, was included in the projections of distillates output of the refining sector (rather than in otherhydro carbons). The large error for crude oil is due to a similar inconsistency.

Natural gas liquids (NGL) used as inputs to the refining sector are reported in the tables as Natural Gas. However, these liquids (1.839 quads in 1985) are included in the supply total for crude oil rather than natural gas. Thus the error of 1.8 quads in the refining sector. This of course, means that the negative error for natural gas, (indicating consumed but not produced) is incorrect. Consequently, the error for natural gas should be 1.05 quads. The major portion (0.9 quads) of this error is due to our double counting synthetic gas production. Inadvertantly, synthetic gas was included both as an output in the synthetics line and also included in natural gas supply. Similarly this occurred for shale oil; the 0.1 quad of shale oil is included both as an output in the synthetics sector and as part of crude oil production. These inconsistencies were not caught until the final tables were produced. Since they are small and easily identifiable (we have reported the synthetic natural gas separated in the tables) it should pose no real hazard in interpreting the tables. The remaining small errors are due to the limitation of the PIES equilibriating process of the use of aggregate conversion factors.

11. Ibid, Volume II.

12. The Project Independence Evaluation System (PIES) was developed by the Federal Energy Administration (FEA) and used in preparing the *1976 National Energy Outlook* projections. The PIES modeling framework has been continually undergoing revision and development.

The current version of the system is now referred to as Midterm Energy Forecasting System (MEFS). The senearios developed for the Mid-Mid projections were done before the major revamping of the system, thus we still refer to the model in this report as PIES.

13. The summaries in the *Annual Report to Congress, 1977* were supplemented by the detailed projections from DRI that were supplied to ORNL by DOE.

14. Ibid.

15. "Fuel and Energy Data: United States by States and Census Divisions, 1974," Bureau of Mines, U.S. Department of the Interior Information Circular 8739, U.S. Government Printing Office, Washington, D.C., 1977.

16. PIES Mid-Mid Scenario Computer Printout obtained from DOE.

17. Heat rates measure the level of fuel consumption necessary to produce a kilowatt hour of electricity. Average values have been computed for several technologies in each federal region based on fuel consumption and electricity generation projections reported in the DOE scenario. Capacity factors measure the utilization rate of the generating equipment. Average federal region values have also been computed based on DOE's projections of capacity and generation.

18. Because of the change in the method of reporting fuel used by oil refining activities in this report as compared to our NEO76 tables, the fuel used by refineries is excluded in the industrial demands for the Mid-Mid scenario in the growth rate comparisons.

19. R. J. Olsen, et al., *MULTIREGION A Simulation-Forecasting Model of BEA Economic Area Population and Employment,* ORNL/RUS-25 (October 1977).

20. The DRI trendlong 0977 (Feb. 1978) report was obtained from DOE.

21. The county projections computer program is briefly described in *REBS: A Methodology for Addressing the Regional Implications of National Energy Scenarios,* op cit. and will be formally documented in a forthcoming ORNL Technical Memorandum. In order to facilitate further regional analysis of the energy scenarios, the MULTIREGION population and employment projections, as well as the county allocations are available on computer tapes from ORNL.

22. The use of OBERS projections is discussed in the earlier projections volume: P. P. Vogt, P. L. Rice, and V. P. Pai, *Energy Availabilities for State and Local Development: Projected Energy Patterns for 1980 and 1985.*

23. A parallel effort to the current projections volume has been the development of a 1975 data volume. This work has provided a more

refined and consistent data series than used in our earlier historic series. The additional work done for the 1975 data will provide updated and more internally consistent energy coefficients than the current base year coefficients. Unfortunately, this task was not able to be completed in time to be used for the current projections. These new energy coefficients will replace the earlier coefficients in future projections.

24. The utility file which is referred to as the Generating Unit Reference File, was originally compiled by the Federal Power Commission (FPC), and has been taken over by FERC in DOE, ORNL has maintained and updated its own version of the file.

25. In earlier volumes of this series, capacity factors were incorrectly referred to as load factors.

26. R. B. Honea, E. L. Hillsman, R. F. Mader, *Oak Ridge Siting Analysis: A Baseline Assessment Focusing on the National Energy Plan*, ORNL-TM (forthcoming).

27. Federal Energy Administration, *Trends in Refining Capacity and Utilization*, Washington, D.C., June 1975.

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Census Region Tables for 1985

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CENSUS REGION 1 NEW ENGLAND 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	729,951	205,220	-	113,024	-	236,159	61	190,778	1,475,193	42%
INDUSTRIAL	21,728	206,330	-	107,048	-	83,909	2,774	104,687	526,476	15%
TRANSPORTATION	65,582	17,381	777,571	82,548	-	12,229	9	99	955,419	27%
MISCELLANEOUS USES	11,418	8,479	-	166	-	14,984	-	2,780	37,827	1%
TOTAL FINAL DEMAND SECTORS	828,679	437,410	777,571	302,786	-	347,281	2,844	298,344	2,994,915	85%
TRANSFORMATION										
ELECTRICITY GEN.	59,901	384,100	-	-	-	-	228,800	-231,117	441,684	13%
PETROLEUM PRODUCTS	-213,469	-26,023	-246,119	-104,526	587,176	4,358	-	-	1,397	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	59,830	-	-53,970	-	-	5,860	0%
NET FUEL USED IN TRANSFORMATION	-153,568	358,077	-246,119	-44,696	587,176	-49,611	228,800	-231,117	448,941	13%
TOTAL GROSS FLOWS	888,580	821,510	777,571	362,616	587,176	351,639	231,644	298,344	3,443,856	98%
LOSSES & OMISSIONS	51,372	18	-2	-15,157	29,312	-12,737	-510	29,837	82,133	2%
TOTAL NET USAGE	726,483	795,505	531,449	242,932	616,488	284,932	231,133	97,064	3,525,990	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	19,181	19,181	19%
NUCLEAR	-	-	-	-	-	-	-	81,600	81,600	80%
GEO.&SOLAR	-	-	-	-	-	-	-	851	851	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	101,632	101,632	
NET IMPORTS OF REGION	726,483	795,505	531,449	242,932	616,488	284,932	231,133	-4,567	3,424,358	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.79%

CENSUS REGION 2 MID ATLANTIC 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,201,308	412,266	-	263,940	-	950,871	3,685	646,602	3,488,672	31%
INDUSTRIAL	156,053	321,084	-	507,512	-	526,229	1,150,770	452,872	3,114,520	27%
TRANSPORTATION	227,409	98,382	2,007,241	303,852	-	52,106	144	10,754	2,699,888	24%
MISCELLANEOUS USES	15,404	18,889	-	325	-	33,290	119	10,503	78,530	1%
TOTAL FINAL DEMAND SECTORS	1,600,174	850,621	2,007,241	1,075,629	-	1,572,496	1,154,718	1,120,731	9,381,610	83%
TRANSFORMATION										
ELECTRICITY GEN.	131,570	545,226	-	-	-	15,112	1,795,813	-823,571	1,664,150	15%
PETROLEUM PRODUCTS	-1,287,137	-156,912	-1,484,001	-630,250	3,540,446	26,282	-	-	8,427	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	203,660	-	-133,710	-	-	19,950	0%
NET FUEL USED IN TRANSFORMATION	-1,155,567	388,313	-1,484,001	-426,590	3,540,446	-142,315	1,795,813	-823,571	1,692,527	15%
TOTAL GROSS FLOWS	1,731,744	1,395,847	2,007,241	1,279,289	3,540,446	1,613,890	2,950,531	1,120,731	11,074,137	98%
LOSSES & OMISSIONS	100,113	32	-6	-53,476	176,745	-58,460	-6,499	112,034	270,538	2%
TOTAL NET USAGE	544,725	1,238,966	523,233	595,561	3,717,191	1,371,720	2,944,031	409,244	11,344,676	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	54,624	99,422	2,644,570	-	2,798,616	85%
HYDROELECTRIC	-	-	-	-	-	-	-	135,728	135,728	4%
NUCLEAR	-	-	-	-	-	-	-	338,853	338,853	10%
GEO.&SOLAR	-	-	-	-	-	-	-	851	851	0%
TOTAL SUPPLY	-	-	-	-	54,624	99,422	2,644,570	475,432	3,274,048	
NET IMPORTS OF REGION	544,725	1,238,966	523,233	595,561	3,662,567	1,272,298	299,461	-66,187	8,070,628	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.89%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

CENSUS REGION 3 E.N.CENTRAL 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	963,992	143,491	-	470,736	-	2,235,370	15,017	797,727	4,626,333	28%
INDUSTRIAL	343,198	348,398	-	1,135,201	-	553,094	2,115,723	887,250	5,382,864	32%
TRANSPORTATION	452,283	8,493	2,832,021	242,583	-	82,926	5	1,200	3,619,511	22%
MISCELLANEOUS USES	45,495	26,303	-	1,147	-	29,501	67	9,571	112,084	1%
TOTAL FINAL DEMAND SECTORS	1,804,968	526,685	2,832,021	1,849,667	-	2,900,891	2,130,812	1,695,748	13,740,792	82%
TRANSFORMATION										
ELECTRICITY GEN.	84,728	198,786	-	-	-	40,389	3,748,076	-1,435,637	2,636,342	16%
PETROLEUM PRODUCTS	-1,343,658	-575,013	-2,486,592	-1,154,210	5,335,168	268,945	-	-	44,639	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	313,510	-	-282,800	-	-	30,710	0%
NET FUEL USED IN TRANSFORMATION	-1,258,930	-376,227	-2,486,592	-840,700	5,335,168	26,534	3,748,076	-1,435,637	2,711,691	16%
TOTAL GROSS FLOWS	1,889,696	725,471	2,832,021	2,163,177	5,335,168	3,210,225	5,878,888	1,695,748	16,452,483	98%
LOSSES & OMISSIONS	109,250	16	-8	-90,424	266,340	-116,284	-12,949	169,592	325,533	2%
TOTAL NET USAGE	655,287	150,474	345,419	918,542	5,601,509	2,811,141	5,865,938	429,703	16,778,017	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	407,783	183,635	4,087,063	-	4,678,481	91%
HYDROELECTRIC	-	-	-	-	-	-	-	16,083	16,083	0%
NUCLEAR	-	-	-	-	-	-	-	430,295	430,295	8%
GEO.&SOLAR	-	-	-	-	-	-	-	777	777	0%
TOTAL SUPPLY	-	-	-	-	407,783	183,635	4,087,063	447,155	5,125,636	
NET IMPORTS OF REGION	655,287	150,474	345,419	918,542	5,193,726	2,627,506	1,778,875	-17,451	11,652,381	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.74%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

CENSUS REGION 4 W.N. CENTRAL 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	279,400	17,445	-	276,150	-	809,747	2,029	390,164	1,774,935	26%
INDUSTRIAL	138,959	151,293	-	407,413	-	402,502	215,579	279,094	1,594,840	23%
TRANSPORTATION	259,526	2,462	1,388,320	112,926	-	31,775	8	100	1,795,118	26%
MISCELLANEOUS USES	26,308	7,077	-	1,109	-	12,183	19	4,425	51,126	1%
TOTAL FINAL DEMAND SECTORS	704,193	178,277	1,388,320	797,598	-	1,256,213	217,635	673,783	5,216,019	75%
TRANSFORMATION										
ELECTRICITY GEN.	60,332	8,616	-	-	-	60,715	2,024,757	-585,779	1,568,642	23%
PETROLEUM PRODUCTS	-440,718	-188,603	-815,600	-378,579	1,749,928	88,213	-	-	14,640	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-38,300	80,060	-	41,760	1%
NET FUEL USED IN TRANSFORMATION	-380,386	-179,987	-815,600	-378,579	1,749,928	110,629	2,104,817	-585,779	1,625,042	23%
TOTAL GROSS FLOWS	764,525	186,893	1,388,320	797,598	1,749,928	1,405,142	2,322,452	673,783	6,841,061	98%
LOSSES & OMISSIONS	44,200	4	-4	-33,341	87,359	-50,898	-5,115	67,385	109,589	2%
TOTAL NET USAGE	368,006	-1,706	572,715	385,677	1,837,287	1,315,944	2,317,336	155,389	6,950,650	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	587,674	1,022,875	760,044	-	2,370,593	95%
HYDROELECTRIC	-	-	-	-	-	-	-	46,851	46,851	2%
NUCLEAR	-	-	-	-	-	-	-	81,630	81,630	3%
GEO.&SOLAR	-	-	-	-	-	-	-	116	116	0%
TOTAL SUPPLY	-	-	-	-	587,674	1,022,875	760,044	128,597	2,499,190	
NET IMPORTS OF REGION	368,006	-1,706	572,715	385,677	1,249,613	293,069	1,557.292	26,792	4,451,460	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =72.31%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.30%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

CENSUS REGION 5 S.ATLANTIC 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	427,363	74,058	-	284,893	-	473,978	9,075	1,089,831	2,359,198	20%
INDUSTRIAL	223,530	355,159	-	417,001	-	635,534	628,845	689,389	2,949,458	25%
TRANSPORTATION	365,657	103,307	2,754,884	457,828	-	49,631	145	744	3,732,196	31%
MISCELLANEOUS USES	32,335	18,016	-	1,260	-	45,796	185	21,740	119,332	1%
TOTAL FINAL DEMAND SECTORS	1,048,885	550,540	2,754,884	1,160,982	-	1,204,939	638,250	1,801,704	9,160,184	76%
TRANSFORMATION										
ELECTRICITY GEN.	240,490	668,597	-	-	-	29,481	3,036,050	-1,345,950	2,628,668	22%
PETROLEUM PRODUCTS	-229,393	-27,964	-264,477	-112,322	630,978	4,684	-	-	1,504	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	250,490	-	-225,950	-	-	24,540	0%
NET FUEL USED IN TRANSFORMATION	11,096	640,632	-264,477	138,167	630,978	-191,784	3,036,050	-1,345,950	2,654,712	22%
TOTAL GROSS FLOWS	1,289,375	1,219,137	2,754,884	1,411,472	630,978	1,239,104	3,674,300	1,801,704	11,814,896	99%
LOSSES & OMISSIONS	74,543	27	-8	-59,002	31,499	-44,884	-8,093	180,189	174,272	1%
TOTAL NET USAGE	1,134,525	1,191,200	2,490,397	1,240,147	662,477	968,270	3,666,206	635,943	11,989,168	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	921,882	390,985	4,671,920	-	5,984,787	93%
HYDROELECTRIC	-	-	-	-	-	-	-	87,382	87,382	1%
NUCLEAR	-	-	-	-	-	-	-	380,159	380,159	6%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	921,882	390,985	4,671,920	467,541	6,452,328	
NET IMPORTS OF REGION	1,134,525	1,191,200	2,490,397	1,240,147	-259,404	577,285	-1,005,713	168,402	5,536,840	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

CENSUS REGION 6 E.S.CENTRAL 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	46,830	4,848	-	114,077	-	268,388	3,200	453,820	891,163	15%
INDUSTRIAL	26,149	38,902	-	221,791	-	577,153	317,230	593,248	1,772,473	30%
TRANSPORTATION	247,816	25,308	1,026,934	54,335	-	8,217	4	-	1,372,614	23%
MISCELLANEOUS USES	8,092	4,607	-	461	-	12,566	23	4,589	30,338	1%
TOTAL FINAL DEMAND SECTORS	326,887	73,665	1,026,934	400,664	-	866,324	320,457	1,051,657	4,066,588	68%
TRANSFORMATION										
ELECTRICITY GEN.	169,537	66,376	-	-	-	30,410	2,362,337	-903,192	1,725,468	29%
PETROLEUM PRODUCTS	-334,006	-69,245	-580,721	-449,996	1,346,649	99,788	-	-	12,468	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-164,469	-2,869	-580,721	-449,996	1,346,649	130,198	2,362,337	-903,192	1,737,936	29%
TOTAL GROSS FLOWS	496,424	140,041	1,026,934	400,664	1,346,649	996,522	2,682,794	1,051,657	5,804,524	96%
LOSSES & OMISSIONS	28,700	3	-3	-16,748	67,227	-36,097	-5,909	105,176	142,349	2%
TOTAL NET USAGE	191,117	70,798	446,209	-56,080	1,413,876	960,425	2,676,884	253,641	5,946,873	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	380,567	191,715	4,946,997	-	5,519,279	94%
HYDROELECTRIC	-	-	-	-	-	-	-	77,733	77,733	1%
NUCLEAR	-	-	-	-	-	-	-	281,971	281,971	5%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	380,567	191,715	4,946,997	359,704	5,878,983	
NET IMPORTS OF REGION	191,117	70,798	446,209	-66,080	1,033,309	768,710	-2,270,112	-106,062	67,890	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.64%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.96%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

CENSUS REGION 7 W.S.CENTRAL 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	115,460	28,831	-	267,282	-	827,157	34	600,691	1,839,455	10%
INDUSTRIAL	188,865	627,966	-	3,680,306	-	6,097,796	113,753	553,488	11,262,174	61%
TRANSPORTATION	417,733	203,752	1,730,086	250,365	-	84,192	4	-	2,736,132	15%
MISCELLANEOUS USES	39,784	36,939	-	927	-	21,832	-	8,709	108,191	1%
TOTAL FINAL DEMAND SECTORS	761,842	897,488	1,780,086	4,198,880	-	7,030,977	113,791	1,162,888	15,945,952	86%
TRANSFORMATION										
ELECTRICITY GEN.	108,341	-	-	-	-	1,651,565	1,413,858	-1,045,985	2,127,779	11%
PETROLEUM PRODUCTS	-3,686,171	-476,553	-6,263,038	-5,602,873	14,941,759	1,229,862	-	-	142,985	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,577,830	-476,553	-6,263,038	-5,602,873	14,941,759	2,881,427	1,413,858	-1,045,985	2,270,764	12%
TOTAL GROSS FLOWS	870,183	897,488	1,780,086	4,198,880	14,941,759	9,912,404	1,527,649	1,162,888	18,216,716	98%
LOSSES & OMISSIONS	50,308	20	-5	-175,520	745,918	-359,057	-3,364	116,301	374,600	2%
TOTAL NET USAGE	-2,765,680	420,954	-4,482,957	-1,579,514	15,687,678	9,553,346	1,524,284	233,204	18,591,316	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	10,478,832	10,372,376	740,510	-	21,591,718	99%
HYDROELECTRIC	-	-	-	-	-	-	-	33,151	33,151	0%
NUCLEAR	-	-	-	-	-	-	-	144,670	144,670	1%
GEO.&SOLAR	-	-	-	-	-	-	-	301	301	0%
TOTAL SUPPLY	-	-	-	-	10,478,832	10,372,376	740,510	178,122	21,769,840	
NET IMPORTS OF REGION	-2,765,680	420,954	-4,482,957	-1,579,514	5,208,846	-819,029	783,774	55,082	-3,178,523	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.04%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.88%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

CENSUS REGION 8 MOUNTAIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID.SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	89,631	16,367	-	139,839	-	504,012	494	316,748	1,067,091	22%
INDUSTRIAL	111,723	89,431	-	189,028	-	449,965	337,754	193,598	1,371,499	28%
TRANSPORTATION	216,345	1,231	922,590	184,044	-	18,379	11	-	1,342,600	28%
MISCELLANEOUS USES	17,971	8,075	-	681	-	11,347	2	5,779	43,855	1%
TOTAL FINAL DEMAND SECTORS	435,670	115,104	922,590	513,592	-	983,703	338,261	516,125	3,825,045	79%
TRANSFORMATION										
ELECTRICITY GEN.	36,491	35,334	-	-	-	102,534	1,228,410	-451,902	950,867	20%
PETROLEUM PRODUCTS	-408,694	-115,382	-655,156	-324,722	1,429,006	93,083	-	-	18,133	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-100,000	-61,200	127,936	-	-33,264	0%
NET FUEL USED IN TRANSFORMATION	-372,203	-80,048	-655,156	-324,722	1,329,006	134,417	1,356,346	-451,902	935,735	19%
TOTAL GROSS FLOWS	472,161	150,438	922,590	513,592	1,429,006	1,179,320	1,694,607	516,125	4,794,045	99%
LOSSES & OMISSIONS	27,297	3	-2	-21,469	71,338	-42,718	-3,732	51,617	82,334	2%
TOTAL NET USAGE	90,763	35,058	267,430	167,400	1,400,344	1,075,401	1,690,874	115,840	4,843,115	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,600,355	1,551,341	5,033,755	-	8,185,451	98%
HYDROELECTRIC	-	-	-	-	-	-	-	160,465	160,465	2%
NUCLEAR	-	-	-	-	-	-	-	34,021	34,021	0%
GEO.&SOLAR	-	-	-	-	-	-	-	6,237	6,237	0%
TOTAL SUPPLY	-	-	-	-	1,600,355	1,551,341	5,033,755	200,724	8,386,175	
NET IMPORTS OF REGION	90,763	35,058	267,430	167,400	-200,010	-475,939	-3,342,880	-84,883	-3,543,059	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.19%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =******%

CENSUS REGION 9 PACIFIC 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	160,487	25,981	-	162,920	-	795,794	665	678,536	1,824,383	21%
INDUSTRIAL	211,595	402,387	-	675,093	-	829,529	134,240	427,671	2,680,515	31%
TRANSPORTATION	296,354	139,730	2,002,097	615,060	-	71,815	14	899	3,125,969	36%
MISCELLANEOUS USES	13,562	4,562	-	113	-	29,171	13	10,873	58,294	1%
TOTAL FINAL DEMAND SECTORS	681,998	572,660	2,002,097	1,453,186	-	1,726,309	134,932	1,117,979	7,689,161	90%
TRANSFORMATION										
ELECTRICITY GEN.	53,506	476,365	-	-	-	222,291	65,999	-279,861	538,300	6%
PETROLEUM PRODUCTS	-923,854	-1,102,000	-2,366,489	-1,607,217	5,989,088	24,224	-	-	13,751	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	60,020	-	-54,140	-	-	5,880	0%
NET FUEL USED IN TRANSFORMATION	-870,348	-625,635	-2,366,489	-1,547,197	5,989,088	192,375	65,999	-279,861	557,931	7%
TOTAL GROSS FLOWS	735,504	1,049,025	2,002,097	1,513,206	5,989,088	1,972,824	200,931	1,117,979	8,247,092	96%
LOSSES & OMISSIONS	42,522	24	-6	-63,254	298,985	-71,461	-442	111,809	318,176	4%
TOTAL NET USAGE	-145,827	-52,951	-364,398	-157,266	6,288,073	1,847,223	200,488	949,927	8,565,268	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,328,210	4,469,057	150,320	-	10,947,587	92%
HYDROELECTRIC	-	-	-	-	-	-	-	714,670	714,670	6%
NUCLEAR	-	-	-	-	-	-	-	157,165	157,165	1%
GEO.&SOLAR	-	-	-	-	-	-	-	49,219	49,219	0%
TOTAL SUPPLY	-	-	-	-	6,328,210	4,469,057	150,320	921,054	11,868,641	
NET IMPORTS OF REGION	-145,827	-52,951	-364,398	-157,266	-40,136	-2,621,833	50,168	28,873	-3,303,372	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

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State Tables for 1985

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STATE 1 ALABAMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,499	1,769	-	30,008	-	64,834	403	119,296	227,864	14%
INDUSTRIAL	10,033	14,407	-	59,830	-	171,852	128,415	124,098	508,635	32%
TRANSPORTATION	54,635	22,705	272,688	10,840	-	3,190	1	-	374,059	23%
MISCELLANEOUS USES	2,698	1,537	-	150	-	3,924	9	1,295	9,613	1%
TOTAL FINAL DEMAND SECTORS	83,865	40,418	272,688	100,828	-	243,850	128,833	244,689	1,120,171	69%
TRANSFORMATION										
ELECTRICITY GEN.	39,434	-	-	-	-	1,950	669,484	-244,773	466,095	29%
PETROLEUM PRODUCTS	-45,914	-4,618	-77,341	-72,703	186,474	15,907	-	-	1,805	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-6,480	-4,618	-77,341	-72,703	186,474	17,857	669,484	-244,773	467,900	29%
TOTAL GROSS FLOWS	128,299	40,418	272,688	100,828	186,474	261,707	798,317	244,689	1,588,071	98%
LOSSES & OMISSIONS	7,417	0	-0	-4,214	9,309	-9,479	-1,758	24,471	25,745	2%
TOTAL NET USAGE	89,802	35,800	195,346	23,910	195,783	252,227	796,558	24,387	1,613,816	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	58,376	46,067	363,387	-	467,830	80%
HYDROELECTRIC	-	-	-	-	-	-	-	36,951	36,951	6%
NUCLEAR	-	-	-	-	-	-	-	76,737	76,737	13%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	58,376	46,067	363,387	113,688	581,518	
NET IMPORTS OF REGION	89,802	35,800	195,346	23,910	137,407	206,160	433,171	-89,300	1,032,298	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.57%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 2 ALASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,265	123	-	5,076	-	13,798	73	9,631	40,965	14%
INDUSTRIAL	41,092	53,152	-	16,233	-	7,832	3,488	2,998	124,795	42%
TRANSPORTATION	18,764	5,209	23,611	66,605	-	259	-	-	114,458	39%
MISCELLANEOUS USES	799	332	-	8	-	2,351	2	529	4,021	1%
TOTAL FINAL DEMAND SECTORS	72,920	58,816	23,611	87,922	-	24,250	3,563	13,158	284,240	96%
TRANSFORMATION										
ELECTRICITY GEN.	692	-	-	-	-	-	-	-223	469	0%
PETROLEUM PRODUCTS	-28,688	-34,220	-73,486	-49,909	185,978	752	-	-	427	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-27,996	-34,220	-73,486	-49,909	185,978	752	-	-223	896	0%
TOTAL GROSS FLOWS	73,612	58,816	23,611	87,922	185,978	25,002	3,563	13,158	285,136	97%
LOSSES & OMISSIONS	4,255	1	-0	-3,675	9,284	-905	-7	1,315	10,268	3%
TOTAL NET USAGE	49,179	24,597	-49,875	34,337	195,262	24,096	3,555	14,250	295,404	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,055,960	4,328,608	14,660	-	8,399,228	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,066	1,066	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	4,055,960	4,328,608	14,660	1,066	8,400,294	
NET IMPORTS OF REGION	49,179	24,597	-49,875	34,337	-3,860,697	-4,304,511	-11,104	13,184	-8,104,889	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 4 ARIZONA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,235	2,321	-	12,369	-	66,090	17	56,978	149,010	18%
INDUSTRIAL	6,661	7,935	-	21,638	-	95,174	17,705	23,849	172,962	21%
TRANSPORTATION	48,501	-	219,179	49,768	-	4,837	2	-	322,287	40%
MISCELLANEOUS USES	1,059	298	-	8	-	2,355	-	782	4,502	1%
TOTAL FINAL DEMAND SECTORS	67,456	10,554	219,179	83,783	-	168,456	17,724	81,609	648,761	80%
TRANSFORMATION										
ELECTRICITY GEN.	21,585	35,334	-	-	-	32,344	148,696	-81,085	156,874	19%
PETROLEUM PRODUCTS	-2,346	-2,799	-6,010	-4,082	15,211	61	-	-	34	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	19,238	32,535	-6,010	-4,082	15,211	32,405	148,696	-81,085	156,908	19%
TOTAL GROSS FLOWS	89,041	45,888	219,179	83,783	15,211	200,861	166,420	81,609	805,669	100%
LOSSES & OMISSIONS	5,147	1	-0	-3,502	759	-7,275	-366	8,161	2,924	0%
TOTAL NET USAGE	91,842	43,090	213,167	76,198	15,971	193,585	166,053	8,685	808,594	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,200	4,556	513,678	-	523,434	86%
HYDROELECTRIC	-	-	-	-	-	-	-	50,879	50,879	8%
NUCLEAR	-	-	-	-	-	-	-	28,765	28,765	5%
GEO.&SOLAR	-	-	-	-	-	-	-	4,000	4,000	1%
TOTAL SUPPLY	-	-	-	-	5,200	4,556	513,678	83,644	607,078	
NET IMPORTS OF REGION	91,842	43,090	213,167	76,198	10,771	189,029	-347,624	-74,958	201,516	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.92%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 5 ARKANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,452	7,014	-	27,250	-	99,887	8	51,687	205,293	17%
INDUSTRIAL	43,104	140,674	-	140,816	-	196,487	8,944	53,740	583,765	47%
TRANSPORTATION	57,817	-	172,417	11,648	-	8,922	1	-	246,805	20%
MISCELLANEOUS USES	2,939	2,729	-	59	-	1,588	-	518	7,833	1%
TOTAL FINAL DEMAND SECTORS	123,312	150,417	172,417	179,773	-	302,878	8,953	105,945	1,043,695	84%
TRANSFORMATION										
ELECTRICITY GEN.	9,864	-	-	-	-	59,060	219,487	-95,348	193,063	16%
PETROLEUM PRODUCTS	-29,479	-2,965	-49,657	-46,679	119,725	10,213	-	-	1,153	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-19,615	-2,965	-49,657	-46,679	119,725	69,273	219,487	-95,348	194,221	16%
TOTAL GROSS FLOWS	133,176	150,417	172,417	179,773	119,725	372,151	228,440	105,945	1,237,915	100%
LOSSES & OMISSIONS	7,699	3	-0	-7,514	5,976	-13,480	-503	10,595	2,775	0%
TOTAL NET USAGE	111,396	147,455	122,759	125,579	125,701	358,670	227,936	21,192	1,240,692	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	118,573	113,463	15,151	-	247,187	87%
HYDROELECTRIC	-	-	-	-	-	-	-	15,599	15,599	5%
NUCLEAR	-	-	-	-	-	-	-	21,263	21,263	7%
GEO.&SOLAR	-	-	-	-	-	-	-	28	28	0%
TOTAL SUPPLY	-	-	-	-	118,573	113,463	15,151	36,890	284,077	
NET IMPORTS OF REGION	111,396	147,455	122,759	125,579	7,128	245,207	212,785	-15,697	956,615	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.94%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 6 CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	25,369	1,933	-	95,151	-	642,013	10	360,777	1,125,253	20%
INDUSTRIAL	58,878	132,810	-	449,768	-	740,976	78,621	191,923	1,652,976	29%
TRANSPORTATION	194,926	112,053	1,493,296	379,256	-	65,287	7	899	2,245,724	39%
MISCELLANEOUS USES	7,426	2,090	-	71	-	21,030	1	7,462	38,080	1%
TOTAL FINAL DEMAND SECTORS	286,599	243,886	1,493,296	924,246	-	1,469,306	78,639	561,061	5,062,033	88%
TRANSFORMATION										
ELECTRICITY GEN.	50,169	455,945	-	-	-	216,948	-	-249,056	474,006	8%
PETROLEUM PRODUCTS	-733,917	-875,438	-1,879,957	-1,276,786	4,757,778	19,244	-	-	10,924	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	60,020	-	-54,140	-	-	5,880	0%
NET FUEL USED IN TRANSFORMATION	-683,748	-419,493	-1,879,957	-1,216,766	4,757,778	182,052	-	-249,056	490,810	9%
TOTAL GROSS FLOWS	336,768	704,831	1,493,296	984,266	4,757,778	1,705,498	78,639	561,061	5,552,843	96%
LOSSES & OMISSIONS	19,469	16	-4	-41,144	237,516	-61,778	-173	56,112	210,014	4%
TOTAL NET USAGE	-377,679	-170,590	-386,665	-333,664	4,995,294	1,589,580	78,465	368,117	5,762,857	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,272,250	140,449	-	-	2,412,699	89%
HYDROELECTRIC	-	-	-	-	-	-	-	157,094	157,094	6%
NUCLEAR	-	-	-	-	-	-	-	92,115	92,115	3%
GEO.&SOLAR	-	-	-	-	-	-	-	48,536	48,536	2%
TOTAL SUPPLY	-	-	-	-	2,272,250	140,449	-	297,745	2,710,444	
NET IMPORTS OF REGION	-377,679	-170,590	-386,665	-333,664	2,723,044	1,449,131	78,465	70,372	3,052,413	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 8 COLORADO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,430	4,342	-	52,534	-	191,135	129	90,080	355,650	32%
INDUSTRIAL	31,841	15,979	-	52,669	-	57,049	116,572	12,407	286,517	26%
TRANSPORTATION	24,683	70	218,468	63,770	-	4,799	2	-	311,792	28%
MISCELLANEOUS USES	5,505	1,954	-	284	-	3,039	-	1,834	12,616	1%
TOTAL FINAL DEMAND SECTORS	79,459	22,345	218,468	169,257	-	256,022	116,703	104,321	966,575	86%
TRANSFORMATION										
ELECTRICITY GEN.	4,088	-	-	-	-	1,019	284,290	-90,237	199,160	18%
PETROLEUM PRODUCTS	-40,695	-12,295	-64,509	-27,519	138,225	8,636	-	-	1,842	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-50,000	-	-	-	-50,000	-3%
NET FUEL USED IN TRANSFORMATION	-36,607	-12,295	-64,509	-27,519	88,225	9,655	284,290	-90,237	151,002	13%
TOTAL GROSS FLOWS	83,547	22,345	218,468	169,257	138,225	265,677	400,993	104,321	1,167,577	104%
LOSSES & EMISSIONS	4,830	0	-0	-7,075	6,900	-9,623	-883	10,433	4,581	0%
TOTAL NET USAGE	47,681	10,050	153,958	134,662	95,125	255,053	400,109	24,517	1,122,159	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	132,073	149,050	509,342	-	790,465	99%
HYDROELECTRIC	-	-	-	-	-	-	-	9,422	9,422	1%
NUCLEAR	-	-	-	-	-	-	-	1,990	1,990	0%
GEO.&SOLAR	-	-	-	-	-	-	-	75	75	0%
TOTAL SUPPLY	-	-	-	-	132,073	149,050	509,342	11,487	801,952	
NET IMPORTS OF REGION	47,681	10,050	153,958	134,662	-36,947	107,003	-109,232	13,030	320,207	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

STATE 9 CONNECTICUT 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	114,416	24,228	-	24,540	-	54,038	31	54,677	271,930	33%
INDUSTRIAL	6,912	68,462	-	40,330	-	25,161	938	25,689	167,492	20%
TRANSPORTATION	19,774	657	195,888	19,368	-	2,735	3	-	238,425	29%
MISCELLANEOUS USES	1,806	1,342	-	36	-	3,349	-	588	7,121	1%
TOTAL FINAL DEMAND SECTORS	142,908	94,689	195,888	84,274	-	85,283	972	80,954	684,968	83%
TRANSFORMATION										
ELECTRICITY GEN.	13,828	125,838	-	-	-	-	55,870	-66,725	128,811	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	59,830	-	-53,970	-	-	5,860	1%
NET FUEL USED IN TRANSFORMATION	13,828	125,838	-	59,830	-	-53,970	55,870	-66,725	134,671	16%
TOTAL GROSS FLOWS	156,736	220,527	195,888	144,104	-	85,283	56,842	80,954	819,639	99%
LOSSES & OMISSIONS	9,061	5	-0	-6,023	-	-3,089	-125	8,096	7,923	1%
TOTAL NET USAGE	165,797	220,532	195,887	138,080	-	28,223	56,716	22,325	827,562	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,433	1,433	5%
NUCLEAR	-	-	-	-	-	-	-	28,183	28,183	94%
GEO.&SOLAR	-	-	-	-	-	-	-	231	231	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	29,847	29,847	
NET IMPORTS OF REGION	165,797	220,532	195,887	138,080	-	28,223	56,716	-7,521	797,715	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.88%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.79%

STATE 10 DELAWARE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,551	1,243	-	4,398	-	10,119	228	29,811	63,350	19%
INDUSTRIAL	13,635	40,818	-	35,676	-	15,466	7,085	43,600	156,280	45%
TRANSPORTATION	2,090	8,780	43,895	571	-	887	5	-	56,228	17%
MISCELLANEOUS USES	318	173	-	6	-	476	2	144	1,119	0%
TOTAL FINAL DEMAND SECTORS	33,594	51,014	43,895	40,651	-	25,948	7,320	73,555	276,977	82%
TRANSFORMATION										
ELECTRICITY GEN.	2,507	9,100	-	-	-	2,450	39,634	-17,494	36,197	11%
PETROLEUM PRODUCTS	-119,543	-14,573	-137,826	-58,534	328,818	2,441	-	-	783	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-117,036	-5,473	-137,826	-58,534	328,818	4,891	39,634	-17,494	36,980	11%
TOTAL GROSS FLOWS	36,101	60,114	43,895	40,651	328,818	31,839	46,954	73,555	313,957	93%
LOSSES & EMISSIONS	2,087	1	-0	-1,699	16,415	-1,153	-103	7,356	22,903	7%
TOTAL NET USAGE	-81,354	45,542	-93,931	-19,582	345,233	30,685	46,850	63,417	336,860	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	110	110	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	110	110	
NET IMPORTS OF REGION	-81,354	45,542	-93,931	-19,582	345,233	30,685	46,850	63,307	336,750	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.42%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 11 . WASHINGTON, D.C. 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	28,461	11,301	-	3,946	-	16,876	85	16,708	77,377	49%
INDUSTRIAL	188	291	-	781	-	278	618	1,334	3,490	2%
TRANSPORTATION	4,889	7,951	41,614	23	-	2,671	2	42	57,192	36%
MISCELLANEOUS USES	2,480	1,351	-	44	-	3,539	18	1,175	8,607	5%
TOTAL FINAL DEMAND SECTORS	36,018	20,394	41,614	4,794	-	23,364	723	19,259	146,666	93%
TRANSFORMATION										
ELECTRICITY GEN.	2,374	7,849	-	-	-	642	-	-3,235	7,630	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,374	7,849	-	-	-	642	-	-3,235	7,630	5%
TOTAL GROSS FLOWS	38,392	28,743	41,614	4,794	-	24,006	723	19,259	154,296	98%
LOSSES & OMISSIONS	2,219	0	-0	-200	-	-869	-1	1,926	3,074	2%
TOTAL NET USAGE	40,611	28,743	41,613	4,593	-	23,136	721	17,950	157,370	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	29	29	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	29	29	
NET IMPORTS OF REGION	40,611	28,743	41,613	4,593	-	23,136	721	17,921	157,341	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =70.23%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 12 FLORIDA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	60,224	14,637	-	87,294	-	38,857	2,139	381,827	584,978	21%
INDUSTRIAL	43,992	65,347	-	68,173	-	109,759	47,212	83,922	418,405	15%
TRANSPORTATION	77,806	17,450	812,965	224,151	-	14,191	2	-	1,146,565	41%
MISCELLANEOUS USES	6,559	3,732	-	356	-	7,837	22	4,563	23,069	1%
TOTAL FINAL DEMAND SECTORS	188,581	101,156	812,965	379,974	-	170,644	49,375	470,312	2,173,017	78%
TRANSFORMATION										
ELECTRICITY GEN.	77,952	497,894	-	-	-	6,813	297,359	-294,813	585,205	21%
PETROLEUM PRODUCTS	-4,867	-593	-5,611	-2,383	13,387	99	-	-	31	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	73.084	497,300	-5,611	-2,383	13,387	6,912	297,359	-294,813	585,236	21%
TOTAL GROSS FLOWS	266.533	599,060	812,965	379,974	13,387	177,556	346,734	470,312	2,758,253	99%
LOSSES & OMISSIONS	15.409	13	-2	-15,883	668	-6,431	-763	47,036	40,046	1%
TOTAL NET USAGE	277,075	598,480	807,350	361,707	14,055	171,124	345,970	222,535	2,798,299	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	865,436	207,039	-	-	1,072,475	95%
HYDROELECTRIC	-	-	-	-	-	-	-	730	730	0%
NUCLEAR	-	-	-	-	-	-	-	51,456	51,456	5%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	865,436	207,039	-	52,186	1,124,661	
NET IMPORTS OF REGION	277,075	598,480	807,350	361,707	-851,380	-35,914	345,970	170,349	1,673,638	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.50%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 13 GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	41,679	11,869	-	44,842	-	101,458	276	164,362	364,486	18%
INDUSTRIAL	24,244	48.005	-	57,697	-	146,250	51,656	101,936	429,788	22%
TRANSPORTATION	77,547	990	434,321	102,793	-	6,355	1	-	622,007	31%
MISCELLANEOUS USES	4,633	2,635	-	239	-	6,009	13	1,912	15,441	1%
TOTAL FINAL DEMAND SECTORS	148,103	63,499	434,321	205,571	-	260,072	51,946	268,210	1,431,722	72%
TRANSFORMATION										
ELECTRICITY GEN.	48,966	27,101	-	-	-	3,945	719,002	-274,852	524,162	27%
PETROLEUM PRODUCTS	-15,369	-1,873	-17,720	-7,525	42,276	313	-	-	101	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	33,596	25,227	-17,720	-7,525	42,276	4,258	719,002	-274,852	524,263	27%
TOTAL GROSS FLOWS	197,069	90,600	434,321	205,571	42,276	264,330	770,948	268,210	1,955,985	99%
LOSSES & OMISSIONS	11,393	2	-1	-8,593	2,110	-9,574	-1,698	26,823	20,462	1%
TOTAL NET USAGE	193,092	88,728	416,599	189,451	44,387	254,756	769,249	20,181	1,976,447	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	27,195	27,195	36%
NUCLEAR	-	-	-	-	-	-	-	49,230	49,230	64%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	76,425	76,425	
NET IMPORTS OF REGION	193,092	88,728	416,599	189,451	44,387	254,756	769,249	-56,243	1,900,022	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.60%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 15 HAWAII 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,053	112	-	4,070	-	21,860	6	10,474	37,575	9%
INDUSTRIAL	28,769	139,791	-	45,523	-	1,910	1,731	2,818	220,542	51%
TRANSPORTATION	4,238	6,377	42,246	90,029	-	4,316	-	-	147,756	34%
MISCELLANEOUS USES	587	166	-	6	-	1,242	-	634	2,635	1%
TOTAL FINAL DEMAND SECTORS	34,697	146,446	42,246	139,628	-	29,328	1,737	13,926	408,508	94%
TRANSFORMATION										
ELECTRICITY GEN.	-	20,420	-	-	-	5,343	-	-8,812	16,951	4%
PETROLEUM PRODUCTS	-37,528	-44,764	-96,129	-65,287	243,282	984	-	-	558	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-37,528	-24,344	-96,129	-65,287	243,282	6,327	-	-8,812	17,509	4%
TOTAL GROSS FLOWS	34,697	166,866	42,246	139,628	243,282	36,155	1,737	13,926	426,017	98%
LOSSES & OMISSIONS	2,005	3	-0	-5,836	12,145	-1,309	-3	1,392	8,397	2%
TOTAL NET USAGE	-825	122,105	-53,883	68,504	255,427	34,845	1,733	6,506	434,414	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	108	108	14%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	683	683	86%
TOTAL SUPPLY	-	-	-	-	-	-	-	791	791	
NET IMPORTS OF REGION	-825	122,105	-53,883	68,504	255,427	34,845	1,733	5,715	433,623	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.30%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 16 IDAHO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	13,570	721	-	9,095	-	13,463	135	40,224	77,208	27%
INDUSTRIAL	5,332	2,073	-	7,343	-	12,283	29,239	43,103	99,373	35%
TRANSPORTATION	14,690	-	80,556	4,463	-	138	1	-	99,848	35%
MISCELLANEOUS USES	615	255	-	3	-	739	1	333	1,946	1%
TOTAL FINAL DEMAND SECTORS	34,207	3,049	80,556	20,904	-	26,623	29,376	83,660	278,375	97%
TRANSFORMATION										
ELECTRICITY GEN.	263	-	-	-	-	-	-	-85	178	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	263	-	-	-	-	-	-	-85	178	0%
TOTAL GROSS FLOWS	34,470	3,049	80,556	20,904	-	26,623	29,376	83,660	278,553	97%
LOSSES & OMISSIONS	1,992	0	-0	-873	-	-964	-64	8,366	8,456	3%
TOTAL NET USAGE	36,462	3,049	80,555	20,030	-	25,658	29,311	91,941	287,009	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	45,353	45,353	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	45,353	45,353	
NET IMPORTS OF REGION	36,462	3,049	80,555	20,030	-	25,658	29,311	46,588	241,656	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 17 ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	297,579	81,267	-	122,208	-	635,293	4,192	211,569	1,352,108	31%
INDUSTRIAL	104,847	72,503	-	325,250	-	139,350	379,107	187,024	1,208,081	28%
TRANSPORTATION	134,428	1,638	689,499	30,394	-	43,236	3	1,017	950,215	22%
MISCELLANEOUS USES	14,308	8,272	-	354	-	9,326	21	3,193	35,474	1%
TOTAL FINAL DEMAND SECTORS	551,162	163,680	689,499	528,206	-	827,205	383,323	402,803	3,545,878	82%
TRANSFORMATION										
ELECTRICITY GEN.	21,128	69,695	-	-	-	10,278	844,063	-331,411	613,753	14%
PETROLEUM PRODUCTS	-627,546	-268,556	-1,161,347	-539,065	2,491,754	125,609	-	-	20,847	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-606,418	-198,361	-1,161,347	-539,065	2,491,754	135,887	844,063	-331,411	634,600	15%
TOTAL GROSS FLOWS	572,290	233,375	689,499	528,206	2,491,754	963,092	1,227,386	402,803	4,180,478	97%
LOSSES & OMISSIONS	33,086	5	-2	-22,079	124,392	-34,886	-2,703	40,284	138,097	3%
TOTAL NET USAGE	-22,170	-35,176	-471,850	-32,939	2,616,147	928,206	1,224,682	111,676	4,318,575	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	134,719	15,210	1,900,207	-	2,050,136	92%
HYDROELECTRIC	-	-	-	-	-	-	-	982	982	0%
NUCLEAR	-	-	-	-	-	-	-	180,685	180,685	8%
GEO.&SOLAR	-	-	-	-	-	-	-	184	184	0%
TOTAL SUPPLY	-	-	-	-	134,719	15,210	1,900,207	181,851	2,231,987	
NET IMPORTS OF REGION	-22,170	-35,176	-471,850	-32,939	2,481,428	912,996	-675,524	-70,174	2,086,588	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.94%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 18 INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDJAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	183,575	35,748	-	64,711	-	231,099	2,549	109,366	627,048	22%
INDUSTRIAL	91,327	114,320	-	214,488	-	94,601	340,622	129,583	985,441	35%
TRANSPORTATION	82,992	1,863	408,138	94,511	-	5,352	-	62	592,918	21%
MISCELLANEOUS USES	5,858	3,386	-	142	-	3,609	8	1,111	14,114	0%
TOTAL FINAL DEMAND SECTORS	363,752	155,817	408,138	373,852	-	334,661	343,179	240,122	2,219,521	78%
TRANSFORMATION										
ELECTRICITY GEN.	12,850	38,075	-	-	-	5,340	743,707	-282,733	517,239	18%
PETROLEUM PRODUCTS	-295,773	-126,574	-547,361	-254,070	1,174,403	59,201	-	-	9,826	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	313,510	-	-282,800	-	-	30,710	1%
NET FUEL USED IN TRANSFORMATION	-282,923	-88,499	-547,361	59,440	1,174,403	-218,258	743,707	-282,733	557,775	20%
TOTAL GROSS FLOWS	376,602	193,892	408,138	687,362	1,174,403	399,202	1,086,886	240,122	2,777,296	98%
LOSSES & OMISSIONS	21,772	4	-1	-28,732	58,628	-14,460	-2,394	24,014	58,831	2%
TOTAL NET USAGE	102,601	67,321	-139,224	404,559	1,233,031	101,942	1,084,491	-18,596	2,836,127	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	25,145	1,832	760,545	-	787,522	96%
HYDROELECTRIC	-	-	-	-	-	-	-	1,035	1,035	0%
NUCLEAR	-	-	-	-	-	-	-	35,145	35,145	4%
GEO.&SOLAR	-	-	-	-	-	-	-	109	109	0%
TOTAL SUPPLY	-	-	-	-	25,145	1,832	760,545	36,289	823,811	
NET IMPORTS OF REGION	102,601	67,321	-139,224	404,559	1,207,886	100,110	323,946	-54,885	2,012,316	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.66%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 19 IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	40,282	744	-	51,446	-	154,881	209	63,928	311,490	27%
INDUSTRIAL	22,300	14,469	-	60,550	-	60,193	43,033	57,546	258,091	23%
TRANSPORTATION	48,862	-	233,754	5,816	-	1,907	1	-	290,340	26%
MISCELLANEOUS USES	4,369	897	-	166	-	1,503	1	606	7,542	1%
TOTAL FINAL DEMAND SECTORS	115,813	16,110	233,754	117,978	-	218,484	43,244	122,080	867,463	77%
TRANSFORMATION										
ELECTRICITY GEN.	13,463	-	-	-	-	1,495	332,445	-87,903	259,500	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	13,463	-	-	-	-	1,495	332,445	-87,903	259,500	23%
TOTAL GROSS FLOWS	129,276	16,110	233,754	117,978	-	219,979	375,689	122,080	1,126,963	99%
LOSSES & OMISSIONS	7,473	0	-0	-4,931	-	-7,968	-827	12,209	5,955	1%
TOTAL NET USAGE	136,749	16,110	233,753	113,046	-	212,010	374,861	46,386	1,132,918	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	12,633	-	12,633	45%
HYDROELECTRIC	-	-	-	-	-	-	-	1,654	1,654	6%
NUCLEAR	-	-	-	-	-	-	-	13,856	13,856	49%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	12,633	15,510	28,143	
NET IMPORTS OF REGION	136,749	16,110	233,753	113,046	-	212,010	362,228	30,876	1,104,775	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 74.70%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 20 KANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,565	407	-	37,047	-	135,456	159	55,821	235,455	21%
INDUSTRIAL	10,862	28,670	-	91,712	-	129,993	6,778	52,500	320,515	28%
TRANSPORTATION	40,051	131	200,061	8,914	-	2,950	2	-	252,109	22%
MISCELLANEOUS USES	3,550	729	-	200	-	2,193	3	558	7,233	1%
TOTAL FINAL DEMAND SECTORS	61,028	29,937	200,061	137,873	-	270,592	6,942	108,879	815,312	72%
TRANSFORMATION										
ELECTRICITY GEN.	7,658	-	-	-	-	43,441	310,814	-92,919	268,994	24%
PETROLEUM PRODUCTS	-237,766	-101,751	-440,012	-204,242	944,078	47,591	-	-	7,898	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-230,108	-101,751	-440,012	-204,242	944,078	91,032	310,814	-92,919	276,892	24%
TOTAL GROSS FLOWS	68,686	29,937	200,061	137,873	944,078	361,624	317,756	108,879	1,092,204	96%
LOSSES & OMISSIONS	3,970	0	-0	-5,763	47,130	-13,099	-699	10,889	42,427	4%
TOTAL NET USAGE	-165,109	-71,813	-239,951	-72,132	991,208	348,524	317,056	26,849	1,134,631	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	401,659	974,826	17,602	-	1,394,087	99%
HYDROELECTRIC	-	-	-	-	-	-	-	90	90	0%
NUCLEAR	-	-	-	-	-	-	-	9,373	9,373	1%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	401,659	974,826	17,602	9,463	1,403,550	
NET IMPORTS OF REGION	-165,109	-71,813	-239,951	-72,132	589,549	-626,301	299,454	17,386	-268,918	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.33%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 21 KENTUCKY 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,397	929	-	28,341	-	99,056	944	93,910	234,587	14%
INDUSTRIAL	4,134	4,162	-	41,342	-	112,251	76,861	193,660	432,420	25%
TRANSPORTATION	60,848	40	244,961	16,474	-	1,356	2	-	323,687	19%
MISCELLANEOUS USES	2,180	1,241	-	129	-	3,734	5	1,635	8,974	1%
TOTAL FINAL DEMAND SECTORS	78,555	6,372	244,961	86,286	-	216,477	77,812	289,205	999,658	59%
TRANSFORMATION										
ELECTRICITY GEN.	46,683	20,288	-	-	-	390	945,748	-348,885	665,224	39%
PETROLEUM PRODUCTS	-85,904	-36,762	-153,976	-73,792	341,094	17,194	-	-	2,853	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-39,221	-16,474	-153,976	-73,792	341,094	17,584	945,748	-348,885	668,077	39%
TOTAL GROSS FLOWS	125,238	26,660	244,961	86,286	341,094	234,061	1,024,560	289,205	1,667,745	98%
LOSSES & OMISSIONS	7,240	0	-0	-3,606	17,028	-8,478	-2,256	28,923	38,849	2%
TOTAL NET USAGE	46,574	-10,101	85,984	8,886	358,122	225,583	1,022,303	-30,756	1,706,595	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	47,580	53,677	4,436,127	-	4,537,384	100%
HYDROELECTRIC	-	-	-	-	-	-	-	9,783	9,783	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	47,580	53,677	4,436,127	9,783	4,547,167	
NET IMPORTS OF REGION	46,574	-10,101	85,984	8,886	310,542	171,906	-3,413,823	-40,539	-2,840,571	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.60%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 22 LOUISIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,699	1,448	-	43,895	-	116,222	15	96,175	262,454	6%
INDUSTRIAL	67,593	247,613	-	1,089,400	-	1,679,218	19,189	134,466	3,237,479	74%
TRANSPORTATION	73,797	59,237	235,885	27,299	-	21,097	1	-	417,316	10%
MISCELLANEOUS USES	4,934	4,580	-	122	-	2,740	-	1,176	13,552	0%
TOTAL FINAL DEMAND SECTORS	151,023	312,878	235,885	1,160,716	-	1,819,277	19,205	231,817	3,930,801	90%
TRANSFORMATION										
ELECTRICITY GEN.	21,584	-	-	-	-	305,218	124,877	-148,911	302,768	7%
PETROLEUM PRODUCTS	-1,061,184	-106,740	-1,787,567	-1,680,361	4,309,916	367,665	-	-	41,729	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,039,600	-106,740	-1,787,567	-1,680,361	4,309,916	672,883	124,877	-148,911	344,497	8%
TOTAL GROSS FLOWS	172,607	312,878	235,885	1,160,716	4,309,916	2,492,160	144,082	231,817	4,275,298	98%
LOSSES & OMISSIONS	9,979	7	-0	-48,519	215,158	-90,273	-317	23,184	109,217	2%
TOTAL NET USAGE	-878,597	206,144	-1,551,682	-568,164	4,525,074	2,401,887	143,764	106,090	4,384,515	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,342,860	4,269,685	-	-	7,612,545	100%
HYDROELECTRIC	-	-	-	-	-	-	-	143	143	0%
NUCLEAR	-	-	-	-	-	-	-	37,040	37,040	0%
GEO.&SOLAR	-	-	-	-	-	-	-	60	60	0%
TOTAL SUPPLY	-	-	-	-	3,342,860	4,269,685	-	37,243	7,649,788	
NET IMPORTS OF REGION	-878,597	206,144	-1,551,682	-568,164	1,182,214	-1,867,797	143,764	68,847	-3,265,272	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 23 MAINE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	71,837	20,240	-	10,448	-	1,858	10	15,359	119,752	29%
INDUSTRIAL	5,782	67,103	-	3,787	-	3,276	404	21,378	101,730	24%
TRANSPORTATION	8,752	12,933	81,225	6,463	-	655	3	-	110,032	26%
MISCELLANEOUS USES	1,336	992	-	16	-	1,157	-	260	3,761	1%
TOTAL FINAL DEMAND SECTORS	87,707	101,268	81,225	20,714	-	6,946	417	36,997	335,275	80%
TRANSFORMATION										
ELECTRICITY GEN.	5,788	36,191	-	-	-	-	25,533	-23,182	44,330	11%
PETROLEUM PRODUCTS	-213,469	-26,023	-246,119	-104,526	587,176	4,358	-	-	1,397	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-207,681	10,168	-246,119	-104,526	587,176	4,358	25,533	-23,182	45,727	11%
TOTAL GROSS FLOWS	93,495	137,459	81,225	20,714	587,176	11,304	25,950	36,997	381,002	91%
LOSSES & OMISSIONS	5,405	3	-0	-865	29,312	-409	-57	3,700	37,088	9%
TOTAL NET USAGE	-114,568	111,439	-164,893	-84,677	616,483	10,895	25,892	17,515	418,091	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	4,032	4,032	37%
NUCLEAR	-	-	-	-	-	-	-	6,661	6,661	62%
GEO.&SOLAR	-	-	-	-	-	-	-	105	105	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	10,798	10,798	
NET IMPORTS OF REGION	-114,568	111,439	-164,893	-84,677	616,483	10,895	25,892	6,717	407,293	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 24 MARYLAND 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	81,385	17,178	-	25,226	-	90,108	447	83,021	297,365	27%
INDUSTRIAL	32,647	40,696	-	32,556	-	31,299	103,912	41,869	282,979	26%
TRANSPORTATION	26,215	20,801	268,704	21,164	-	6,980	36	702	344,602	31%
MISCELLANEOUS USES	6,542	3,565	-	125	-	9,501	50	3,048	22,831	2%
TOTAL FINAL DEMAND SECTORS	146,789	82,240	268,704	79,071	-	137,888	104,445	128,640	947,777	86%
TRANSFORMATION										
ELECTRICITY GEN.	10,539	46,242	-	-	-	4,993	134,114	-63,501	132,387	12%
PETROLEUM PRODUCTS	-27,751	-3,383	-31,995	-13,588	76,332	566	-	-	182	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	1%
NET FUEL USED IN TRANSFORMATION	-17,212	42,858	-31,995	111,657	76,332	-107,415	134,114	-63,501	144,839	13%
TOTAL GROSS FLOWS	157,328	128,482	268,704	204,316	76,332	143,447	238,559	128,640	1,092,616	99%
LOSSES & OMISSIONS	9,095	2	-0	-8,540	3,810	-5,196	-525	12,865	11,511	1%
TOTAL NET USAGE	138,672	125,101	236,708	182,187	80,143	25,276	238,033	78,004	1,104,127	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	9,477	34,842	78,597	-	122,916	71%
HYDROELECTRIC	-	-	-	-	-	-	-	4,171	4,171	2%
NUCLEAR	-	-	-	-	-	-	-	46,453	46,453	27%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	9,477	34,842	78,597	50,624	173,540	
NET IMPORTS OF REGION	138,672	125,101	236,708	182,187	70,666	-9,565	159,436	27,380	930,587	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.58%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 25 MASSACHUSETTS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	421,188	134,775	-	56,916	-	148,423	6	86,713	848,021	50%
INDUSTRIAL	6,238	44,563	-	44,566	-	35,671	598	36,339	167,975	10%
TRANSPORTATION	26,470	3,470	343,353	54,541	-	7,258	3	99	435,194	26%
MISCELLANEOUS USES	5,098	3,785	-	77	-	7,311	-	1,291	17,562	1%
TOTAL FINAL DEMAND SECTORS	458,994	186,593	343,353	156,100	-	198,663	607	124,442	1,468,752	86%
TRANSFORMATION										
ELECTRICITY GEN.	31,042	194,996	-	-	-	-	91,539	-109,302	208,275	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	31,042	194,996	-	-	-	-	91,539	-109,302	208,275	12%
TOTAL GROSS FLOWS	490,036	381,589	343,353	156,100	-	198,663	92,146	124,442	1,677,027	98%
LOSSES & OMISSIONS	28,330	8	-1	-6,525	-	-7,156	-202	12,445	26,859	2%
TOTAL NET USAGE	518,366	381,597	343,351	149,574	-	191,466	91,943	27,585	1,703,886	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	6,356	6,356	28%
NUCLEAR	-	-	-	-	-	-	-	15,757	15,757	70%
GEO.&SOLAR	-	-	-	-	-	-	-	355	355	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	22,468	22,468	
NET IMPORTS OF REGION	518,366	381,597	343,351	149,574	-	191,466	91,943	5,117	1,681,418	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.58%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 26 MICHIGAN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	227,587	11,792	-	111,756	-	549,963	2,100	177,454	1,080,652	31%
INDUSTRIAL	49,120	86,700	-	235,776	-	102,440	467,715	200,413	1,142,164	32%
TRANSPORTATION	66,969	2,927	685,829	28,836	-	13,875	1	-	798,437	23%
MISCELLANEOUS USES	9,705	5,612	-	252	-	6,480	14	1,985	24,048	1%
TOTAL FINAL DEMAND SECTORS	353,381	107,031	685,829	376,620	-	672,758	469,830	379,852	3,045,301	86%
TRANSFORMATION										
ELECTRICITY GEN.	15,467	74,275	-	-	-	9,252	583,873	-237,390	445,477	13%
PETROLEUM PRODUCTS	-87,631	-37,501	-162,174	-75,277	347,957	17,540	-	-	2,912	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-72,164	36,773	-162,174	-75,277	347,957	26,792	583,873	-237,390	448,389	13%
TOTAL GROSS FLOWS	368,848	181,306	685,829	376,620	347,957	699,550	1,053,703	379,852	3,493,690	99%
LOSSES & OMISSIONS	21,324	4	-2	-15,743	17,370	-25,339	-2,320	37,989	33,282	1%
TOTAL NET USAGE	302,540	143,808	523,652	285,599	365,328	674,210	1,051,382	180,451	3,526,972	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	142,373	85,399	-	-	227,772	72%
HYDROELECTRIC	-	-	-	-	-	-	-	8,679	8,679	3%
NUCLEAR	-	-	-	-	-	-	-	77,779	77,779	25%
GEO.&SOLAR	-	-	-	-	-	-	-	175	175	0%
TOTAL SUPPLY	-	-	-	-	142,373	85,399	-	86,633	314,405	
NET IMPORTS OF REGION	302,540	143,808	523,652	285,599	222,955	588,811	1,051,382	93,818	3,212,567	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.24%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 27 MINNESOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	129,983	8,151	-	52,319	-	162,875	1,011	74,799	429,133	29%
INDUSTRIAL	61,694	59,371	-	66,462	-	40,324	61,483	81,214	370,543	25%
TRANSPORTATION	42,610	1,432	323,432	32,350	-	14,499	1	-	414,324	28%
MISCELLANEOUS USES	3,637	2,105	-	94	-	2,270	4	737	8,847	1%
TOTAL FINAL DEMAND SECTORS	237,924	71,059	323,432	151,225	-	219,968	62,499	156,750	1,222,857	83%
TRANSFORMATION										
ELECTRICITY GEN.	11,470	8,616	-	-	-	3,406	293,123	-111,687	204,928	14%
PETROLEUM PRODUCTS	-113,561	-48,597	-210,158	-97,550	450,909	22,730	-	-	3,772	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-102,091	-39,981	-210,158	-97,550	450,909	26,136	293,123	-111,687	208,700	14%
TOTAL GROSS FLOWS	249,394	79,675	323,432	151,225	450,909	245,104	355,622	156,750	1,431,557	98%
LOSSES & EMISSIONS	4,418	1	-1	-6,321	22,510	-3,914	-783	15,676	36,586	2%
TOTAL NET USAGE	150,251	31,079	113,272	47,353	473,419	237,189	354,838	60,739	1,468,144	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,625	1,625	8%
NUCLEAR	-	-	-	-	-	-	-	19,067	19,067	92%
GEO.&SOLAR	-	-	-	-	-	-	-	71	71	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	20,763	20,763	
NET IMPORTS OF REGION	150,251	31,079	113,272	47,353	473,419	237,189	354,838	39,976	1,447,381	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.72%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 28 MISSISSIPPI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,189	682	-	19,562	-	38,661	463	70,056	138,613	15%
INDUSTRIAL	3,868	10,827	-	31,165	-	149,457	19,566	98,857	313,740	33%
TRANSPORTATION	46,741	2,563	181,792	4,894	-	1,547	-	-	237,537	25%
MISCELLANEOUS USES	1,098	624	-	67	-	1,792	3	630	4,214	0%
TOTAL FINAL DEMAND SECTORS	60,896	14,696	181,792	55,688	-	191,457	20,032	169,543	694,104	73%
TRANSFORMATION										
ELECTRICITY GEN.	27,371	46,083	-	-	-	21,881	210,292	-103,760	201,872	21%
PETROLEUM PRODUCTS	-179,192	-18,024	-301,849	-283,747	727,775	62,084	-	-	7,045	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-151,821	28,063	-301,849	-283,747	727,775	83,965	210,292	-103,760	208,917	22%
TOTAL GROSS FLOWS	88,267	60,784	181,792	55,688	727,775	275,422	230,324	169,543	903,021	95%
LOSSES & OMISSIONS	5,103	1	-0	-2,327	36,331	-9,976	-507	16,956	45,579	5%
TOTAL NET USAGE	-85,822	42,760	-120,057	-230,387	764,107	265,445	229,816	82,739	948,601	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	273,896	91,971	-	-	365,867	87%
HYDROELECTRIC	-	-	-	-	-	-	-	129	129	0%
NUCLEAR	-	-	-	-	-	-	-	52,841	52,841	13%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	273,896	91,971	-	52,970	418,837	
NET IMPORTS OF REGION	-85,822	42,760	-120,057	-230,387	490,211	173,474	229,816	29,769	529,764	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 29 MISSOURI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	63,858	5,432	-	83,404	-	229,179	302	103,747	485,922	24%
INDUSTRIAL	18,527	18,418	-	150,844	-	131,004	67,634	52,307	438,734	21%
TRANSPORTATION	71,597	131	379,595	53,705	-	9,345	3	67	514,444	25%
MISCELLANEOUS USES	10,202	2,095	-	435	-	4,130	9	1,483	18,354	1%
TOTAL FINAL DEMAND SECTORS	164,184	26,076	379,595	288,388	-	373,659	67,948	157,604	1,457,451	71%
TRANSFORMATION										
ELECTRICITY GEN.	17,785	-	-	-	-	9,30[illegible]	766,252	-200,509	592,829	29%
PETROLEUM PRODUCTS	-56,047	-23,985	-103,722	-48,145	222,543	1[illegible],218	-	-	1,862	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-38,262	-23,985	-103,722	-48,145	222,543	20,519	766,252	-200,509	594,691	29%
TOTAL GROSS FLOWS	181,969	26,076	379,595	288,388	222,543	394,178	834,200	157,604	2,052,145	100%
LOSSES & OMISSIONS	10,520	0	-1	-12,055	11,109	-14,278	-1,837	15,762	9,220	0%
TOTAL NET USAGE	135,442	2,091	275,871	228,187	233,652	379,900	832,362	-27,142	2,061,365	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	519	469	127,775	-	128,763	83%
HYDROELECTRIC	-	-	-	-	-	-	-	7,341	7,341	5%
NUCLEAR	-	-	-	-	-	-	-	18,747	18,747	12%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	519	469	127,775	26,088	154,851	
NET IMPORTS OF REGION	136,442	2,091	275,871	228,187	233,133	379,431	704,587	-53,230	1,906,514	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.73%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 30 MONTANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,286	1,666	-	14,121	-	50,708	96	27,577	102,454	20%
INDUSTRIAL	12,423	15,586	-	24,536	-	30,491	33,728	69,480	186,244	36%
TRANSPORTATION	46,741	345	67,107	7,811	-	1,093	3	-	123,100	24%
MISCELLANEOUS USES	1,486	526	-	66	-	659	-	400	3,137	1%
TOTAL FINAL DEMAND SECTORS	68,936	18,123	67,107	46,534	-	82,951	33,827	97,457	414,935	81%
TRANSFORMATION										
ELECTRICITY GEN.	3,558	-	-	-	-	952	98,936	-32,245	71,201	14%
PETROLEUM PRODUCTS	-99,116	-29,946	-157,115	-67,024	336,655	21,034	-	-	4,488	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-95,558	-29,946	-157,115	-67,024	336,655	21,986	98,936	-32,245	75,689	15%
TOTAL GROSS FLOWS	72,494	18,123	67,107	46,534	336,655	104,937	132,763	97,457	490,624	95%
LOSSES & OMISSIONS	4,191	0	-0	-1,945	16,806	-3,801	-292	9,746	24,705	5%
TOTAL NET USAGE	-22,431	-11,822	-90,008	-22,435	353,462	101,136	132,470	74,958	515,329	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	213,938	91,446	1,435,520	-	1,740,904	97%
HYDROELECTRIC	-	-	-	-	-	-	-	45,404	45,404	3%
NUCLEAR	-	-	-	-	-	-	-	1,861	1,861	0%
GEO.&SOLAR	-	-	-	-	-	-	-	69	69	0%
TOTAL SUPPLY	-	-	-	-	213,938	91,446	1,435,520	47,334	1,788,238	
NET IMPORTS OF REGION	-22,431	-11,822	-90,008	-22,435	139,524	9,690	-1,303,049	27,624	-1,272,908	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.83%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 31 NEBRASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,562	1,066	-	27,650	-	86,916	275	40,325	175,794	28%
INDUSTRIAL	10,184	7,231	-	20,439	-	33,120	14,355	26,691	112,070	18%
TRANSPORTATION	34,419	768	132,882	5,517	-	1,336	1	33	174,956	28%
MISCELLANEOUS USES	2,424	497	-	110	-	1,135	2	413	4,581	1%
TOTAL FINAL DEMAND SECTORS	66,589	9,612	132,882	53,716	-	122,507	14,633	67,462	467,401	75%
TRANSFORMATION										
ELECTRICITY GEN.	6,593	-	-	-	-	2,463	191,089	-50,663	149,482	24%
PETROLEUM PRODUCTS	-2,619	-1,120	-4,846	-2,249	10,399	524	-	-	87	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,974	-1,120	-4,846	-2,249	10,399	2,987	191,089	-50,663	149,569	24%
TOTAL GROSS FLOWS	73,132	9,612	132,882	53,716	10,399	125,494	205,722	67,462	616,970	99%
LOSSES & OMISSIONS	4,230	0	-0	-2,245	519	-4,545	-453	6,746	4,252	1%
TOTAL NET USAGE	74,793	8,491	128,034	49,220	10,918	120,948	205,268	23,545	621,222	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	43,838	7,184	-	-	51,022	68%
HYDROELECTRIC	-	-	-	-	-	-	-	4,425	4,425	6%
NUCLEAR	-	-	-	-	-	-	-	19,423	19,423	26%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	43,838	7,184	-	23,848	74,870	
NET IMPORTS OF REGION	74,793	8,491	128,034	49,220	-32,919	113,764	205,268	-302	546,352	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.69%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 32 NEVADA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,359	95	-	3,937	-	14,491	4	20,481	46,367	12%
INDUSTRIAL	5,742	6,614	-	7,953	-	38,626	7,353	20,748	87,036	23%
TRANSPORTATION	10,904	-	70,650	31,064	-	2,210	-	-	114,828	31%
MISCELLANEOUS USES	284	80	-	2	-	709	-	242	1,317	0%
TOTAL FINAL DEMAND SECTORS	24,289	6,789	70,650	42,956	-	56,036	7,357	41,471	249,548	67%
TRANSFORMATION										
ELECTRICITY GEN.	1,146	-	-	-	-	40,964	142,905	-61,307	123,708	33%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,146	-	-	-	-	40,964	142,905	-61,307	123,708	33%
TOTAL GROSS FLOWS	25,435	6,789	70,650	42,956	-	97,000	150,262	41,471	373,256	100%
LOSSES & OMISSIONS	1,470	0	-0	-1,795	-	-3,513	-330	4,147	-22	0%
TOTAL NET USAGE	26,905	6,789	70,649	41,160	-	93,486	149,931	-15,688	373,233	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	594	-	-	-	594	20%
HYDROELECTRIC	-	-	-	-	-	-	-	340	340	11%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2,033	2,033	69%
TOTAL SUPPLY	-	-	-	-	594	-	-	2,373	2,967	
NET IMPORTS OF REGION	26,905	6,789	70,649	41,160	-594	93,486	149,931	-18,061	370,266	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.86%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 33 NEW HAMPSHIRE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	45,696	10,303	-	7,529	-	8,373	1	11,801	83,703	37%
INDUSTRIAL	1,449	14,353	-	4,373	-	5,805	214	10,085	36,279	16%
TRANSPORTATION	2,739	-	58,520	491	-	499	-	-	62,249	27%
MISCELLANEOUS USES	530	394	-	8	-	779	-	142	1,853	1%
TOTAL FINAL DEMAND SECTORS	50,414	25,050	58,520	12,401	-	15,456	215	22,028	184,084	81%
TRANSFORMATION										
ELECTRICITY GEN.	3,687	22,256	-	-	-	-	32,274	-19,904	38,313	17%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,687	22,256	-	-	-	-	32,274	-19,904	38,313	17%
TOTAL GROSS FLOWS	54,101	47,306	58,520	12,401	-	15,456	32,489	22,028	222,397	98%
LOSSES & OMISSIONS	3,127	1	-0	-518	-	-559	-71	2,203	4,181	2%
TOTAL NET USAGE	57,228	47,307	58,519	11,882	-	14,896	32,417	4,327	226,578	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	4,905	4,905	21%
NUCLEAR	-	-	-	-	-	-	-	17,896	17,896	78%
GEO.&SOLAR	-	-	-	-	-	-	-	63	63	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	22,864	22,864	
NET IMPORTS OF REGION	57,228	47,307	58,519	11,882	-	14,896	32,417	-18,536	203,714	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =55.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 34 NEW JERSEY 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	298,717	73,831	-	60,291	-	183,350	212	138,255	754,656	33%
INDUSTRIAL	35,637	131,265	-	177,867	-	70,706	72,534	89,089	577,098	25%
TRANSPORTATION	61,408	33,346	455,205	40,868	-	6,982	3	22	597,834	26%
MISCELLANEOUS USES	3,218	5,066	-	67	-	7,483	25	2,013	17,872	1%
TOTAL FINAL DEMAND SECTORS	398,980	243,508	455,205	279,093	-	268,521	72,774	229,379	1,947,460	85%
TRANSFORMATION										
ELECTRICITY GEN.	37,063	83,479	-	-	-	687	231,913	-118,933	239,209	10%
PETROLEUM PRODUCTS	-545,627	-66,516	-629,079	-267,168	1,500,821	11,141	-	-	3,572	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	0%
NET FUEL USED IN TRANSFORMATION	-508,564	21,963	-629,079	-165,338	1,500,821	-80,026	231,913	-118,933	252,756	11%
TOTAL GROSS FLOWS	436,043	331,987	455,205	380,923	1,500,821	280,349	304,687	229,379	2,200,216	96%
LOSSES & OMISSIONS	25,209	7	-1	-15,923	74,923	-10,155	-671	22,940	96,329	4%
TOTAL NET USAGE	-84,374	265,478	-173,875	97,831	1,575,744	178,339	304,015	133,386	2,296,546	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	12,145	12,145	14%
NUCLEAR	-	-	-	-	-	-	-	71,780	71,780	85%
GEO.&SOLAR	-	-	-	-	-	-	-	276	276	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	84,201	84,201	
NET IMPORTS OF REGION	-84,374	265,478	-173,875	97,831	1,575,744	178,339	304,015	49,185	2,212,345	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 35 NEW MEXICO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,104	946	-	15,407	-	57,278	4	27,466	108,205	17%
INDUSTRIAL	1,887	4,264	-	8,874	-	137,115	2,033	5,835	160,008	25%
TRANSPORTATION	28,855	-	106,794	15,983	-	3,831	-	-	155,463	24%
MISCELLANEOUS USES	3,070	2,850	-	70	-	1,712	-	639	8,341	1%
TOTAL FINAL DEMAND SECTORS	40,916	8,060	106,794	40,334	-	199,936	2,037	33,940	432,017	67%
TRANSFORMATION										
ELECTRICITY GEN.	3,160	-	-	-	-	26,537	182,442	-70,144	141,995	22%
PETROLEUM PRODUCTS	-50,547	-5,084	-85,146	-80,041	205,293	17,512	-	-	1,988	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-61,200	127,936	-	66,736	10%
NET FUEL USED IN TRANSFORMATION	-47,387	-5,084	-85,146	-80,041	205,293	-17,150	310,378	-70,144	210,719	33%
TOTAL GROSS FLOWS	44,076	8,060	106,794	40,334	205,293	243,985	312,415	33,940	642,736	99%
LOSSES & OMISSIONS	2,548	0	-0	-1,686	10,248	-8,387	-688	3,394	4,978	1%
TOTAL NET USAGE	-3,923	2,975	21,647	-41,393	215,542	173,948	311,726	-32,809	647,715	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	366,631	865,262	491,222	-	1,723,135	100%
HYDROELECTRIC	-	-	-	-	-	-	-	361	361	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	0%
TOTAL SUPPLY	-	-	-	-	366,631	865,262	491,222	369	1,723,504	
NET IMPORTS OF REGION	-3,923	2,975	21,647	-41,393	-151,088	-691,313	-179,495	-33,178	-1,075,788	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.93%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

STATE 36 NEW YORK 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	641,251	297,556	-	130,136	-	414,462	753	304,084	1,788,242	40%
INDUSTRIAL	27,422	59,330	-	114,704	-	152,301	154,651	157,948	666,356	15%
TRANSPORTATION	59,383	40,383	865,154	209,771	-	28,978	6	7,878	1,211,553	27%
MISCELLANEOUS USES	6,977	10,983	-	155	-	17,414	53	5,715	41,297	1%
TOTAL FINAL DEMAND SECTORS	735,033	408,252	865,154	454,766	-	613,155	155,463	475,625	3,707,448	83%
TRANSFORMATION										
ELECTRICITY GEN.	68,937	413,921	-	-	-	413	575,886	-348,247	710,910	16%
PETROLEUM PRODUCTS	-95,109	-11,595	-109,656	-46,570	261,610	1,942	-	-	622	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	0%
NET FUEL USED IN TRANSFORMATION	-26,172	402,326	-109,656	55,260	261,610	-89,499	575,886	-348,247	721,507	16%
TOTAL GROSS FLOWS	803,970	822,173	865,154	556,596	261,610	615,510	731,349	475,625	4,428,955	99%
LOSSES & OMISSIONS	46,480	18	-2	-23,266	13,060	-22,295	-1,610	47,567	59,950	1%
TOTAL NET USAGE	755,341	810,596	755,495	486,759	274,670	501,359	729,738	174,945	4,488,906	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,064	9,526	-	-	16,590	7%
HYDROELECTRIC	-	-	-	-	-	-	-	118,706	118,706	49%
NUCLEAR	-	-	-	-	-	-	-	106,980	106,980	44%
GEO.&SOLAR	-	-	-	-	-	-	-	575	575	0%
TOTAL SUPPLY	-	-	-	-	7,064	9,526	-	226,261	242,851	
NET IMPORTS OF REGION	755,341	810,596	755,495	486,759	267,606	491,833	729,738	-51,315	4,246,055	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 37 NORTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	93,976	9,098	-	54,202	-	40,472	1,187	178,729	377,664	19%
INDUSTRIAL	39,040	60,587	-	32,847	-	103,049	75,466	142,251	493,240	25%
TRANSPORTATION	55,255	1,043	434,795	15,143	-	3,464	-	-	509,700	26%
MISCELLANEOUS USES	3,565	2,029	-	210	-	4,206	14	2,303	12,327	1%
TOTAL FINAL DEMAND SECTORS	191,836	72,757	434,795	142,402	-	151,191	76,667	323,283	1,392,931	70%
TRANSFORMATION										
ELECTRICITY GEN.	52,524	19,296	-	-	-	21	790,515	-297,010	565,346	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	52,524	19,296	-	-	-	21	790,515	-297,010	565,346	28%
TOTAL GROSS FLOWS	244,360	92,053	434,795	142,402	-	151,212	867,182	323,283	1,958,277	98%
LOSSES & OMISSIONS	14,127	2	-1	-5,952	-	-5,477	-1,910	32,331	33,119	2%
TOTAL NET USAGE	258,487	92,055	434,793	136,449	-	145,734	865,271	58,604	1,991,396	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	28,022	28,022	30%
NUCLEAR	-	-	-	-	-	-	-	64,580	64,580	70%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	92,602	92,602	
NET IMPORTS OF REGION	258,487	92,055	434,793	136,449	-	145,734	865,271	-33,997	1,898,794	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 38 NORTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,492	1,548	-	11,958	-	18,839	54	20,462	64,353	19%
INDUSTRIAL	7,873	21,190	-	13,507	-	6,045	19,602	5,020	73,237	21%
TRANSPORTATION	15,540	-	57,765	4,506	-	962	-	-	78,773	23%
MISCELLANEOUS USES	1,175	417	-	58	-	543	-	346	2,539	1%
TOTAL FINAL DEMAND SECTORS	36,080	23,155	57,765	30,029	-	26,389	19,656	25,828	218,902	63%
TRANSFORMATION										
ELECTRICITY GEN.	992	-	-	-	-	266	109,679	-34,593	76,344	22%
PETROLEUM PRODUCTS	-30,725	-13,149	-56,861	-26,392	121,998	6,149	-	-	1,019	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-38,300	80,060	-	41,760	12%
NET FUEL USED IN TRANSFORMATION	-29,733	-13,149	-56,861	-26,392	121,998	-31,884	189,739	-34,593	119,123	34%
TOTAL GROSS FLOWS	37,072	23,155	57,765	30,029	121,998	32,804	209,395	25,828	338,025	98%
LOSSES & OMISSIONS	2,143	0	-0	-1,255	6,090	-1,188	-461	2,583	7,912	2%
TOTAL NET USAGE	8,489	10,006	903	2,380	128,089	-6,683	208,933	-6,181	345,938	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	141,032	40,396	602,034	-	783,462	99%
HYDROELECTRIC	-	-	-	-	-	-	-	7,040	7,040	1%
NUCLEAR	-	-	-	-	-	-	-	492	492	0%
GEO.&SOLAR	-	-	-	-	-	-	-	19	19	0%
TOTAL SUPPLY	-	-	-	-	141,032	40,396	602,034	7,551	791,013	
NET IMPORTS OF REGION	8,489	10,006	903	2,380	-12,942	-47,079	-393,100	-13,732	-445,074	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

STATE 39 OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	110,067	8,272	-	110,824	-	637,750	3,690	204,249	1,074,852	24%
INDUSTRIAL	67,648	54,168	-	293,999	-	171,111	726,948	275,803	1,589,677	35%
TRANSPORTATION	127,932	1,721	714,921	28,628	-	12,951	1	121	886,275	20%
MISCELLANEOUS USES	10,533	6,090	-	275	-	6,984	17	2,263	26,162	1%
TOTAL FINAL DEMAND SECTORS	316,180	70,251	714,921	433,726	-	828,796	730,656	482,436	3,576,966	80%
TRANSFORMATION										
ELECTRICITY GEN.	20,187	15,755	-	-	-	10,738	1,222,186	-451,343	817,523	18%
PETROLEUM PRODUCTS	-308,926	-132,203	-571,701	-265,369	1,226,628	61,834	-	-	10,263	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-288,739	-116,448	-571,701	-265,369	1,226,628	72,572	1,222,186	-451,343	827,786	18%
TOTAL GROSS FLOWS	336,367	86,006	714,921	433,726	1,226,628	901,368	1,952,842	482,436	4,404,752	98%
LOSSES & OMISSIONS	19,446	1	-2	-18,130	51,235	-32,650	-4,301	48,248	73,843	2%
TOTAL NET USAGE	46,887	-46,195	143,217	150,226	1,237,863	868,718	1,948,540	79,341	4,478,600	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	105,546	81,194	1,426,311	-	1,613,051	95%
HYDROELECTRIC	-	-	-	-	-	-	-	1,170	1,170	0%
NUCLEAR	-	-	-	-	-	-	-	82,098	82,098	5%
GEO.&SOLAR	-	-	-	-	-	-	-	221	221	0%
TOTAL SUPPLY	-	-	-	-	105,546	81,194	1,426,311	83,489	1,696,540	
NET IMPORTS OF REGION	46,887	-46,195	143,217	150,226	1,132,317	787,524	522,229	-4,147	2,782,060	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.43%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 40 OKLAHOMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,752	2,445	-	34,645	-	142,428	11	72,436	269,717	15%
INDUSTRIAL	11,840	39,218	-	164,675	-	584,537	7,350	38,401	846,021	48%
TRANSPORTATION	42,882	-	247,213	20,761	-	9,453	-	-	320,309	18%
MISCELLANEOUS USES	7,074	6,567	-	159	-	4,140	-	1,597	19,537	1%
TOTAL FINAL DEMAND SECTORS	79,548	48,230	247,213	220,240	-	740,558	7,361	112,434	1,455,584	83%
TRANSFORMATION										
ELECTRICITY GEN.	10,534	-	-	-	-	191,177	185,228	-127,195	259,744	15%
PETROLEUM PRODUCTS	-323,124	-138,279	-597,976	-277,564	1,283,003	64,676	-	-	10,736	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-312,590	-138,279	-597,976	-277,564	1,283,003	255,853	185,228	-127,195	270,480	15%
TOTAL GROSS FLOWS	90,082	48,230	247,213	220,240	1,283,003	996,411	192,589	112,434	1,726,064	98%
LOSSES & OMISSIONS	5,207	1	-0	-9,206	64,049	-36,093	-424	11,244	34,778	2%
TOTAL NET USAGE	-227,834	-90,047	-350,763	-66,530	1,347,052	960,318	192,164	-3,516	1,760,843	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	824,156	1,631,102	77,659	-	2,532,917	99%
HYDROELECTRIC	-	-	-	-	-	-	-	10,484	10,484	0%
NUCLEAR	-	-	-	-	-	-	-	27,978	27,978	1%
GEO.&SOLAR	-	-	-	-	-	-	-	28	28	0%
TOTAL SUPPLY	-	-	-	-	824,156	1,631,102	77,659	38,490	2,571,407	
NET IMPORTS OF REGION	-227,834	-90,047	-350,763	-66,530	522,896	-670,783	114,505	-42,006	-810,563	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.13%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 41 OREGON 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	54,013	11,977	-	23,891	-	47,189	379	118,705	256,154	31%
INDUSTRIAL	34,607	18,494	-	50,887	-	33,494	20,536	102,177	260,195	32%
TRANSPORTATION	42,453	2,695	195,611	14,612	-	396	3	-	255,770	31%
MISCELLANEOUS USES	1,446	601	-	8	-	1,492	3	657	4,207	1%
TOTAL FINAL DEMAND SECTORS	132,519	33,767	195,611	89,398	-	82,571	20,921	221,539	776,326	95%
TRANSFORMATION										
ELECTRICITY GEN.	1,463	-	-	-	-	-	19,020	-6,499	13,984	2%
PETROLEUM PRODUCTS	-4,500	-5,367	-11,527	-7,828	29,173	118	-	-	67	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,037	-5,367	-11,527	-7,828	29,173	118	19,020	-6,499	14,051	2%
TOTAL GROSS FLOWS	133,982	33,767	195,611	89,398	29,173	82,689	39,941	221,539	790,377	97%
LOSSES & EMISSIONS	7,746	0	-0	-3,736	1,456	-2,995	-87	22,156	24,538	3%
TOTAL NET USAGE	137,227	28,399	184,083	77,832	30,629	79,693	39,853	237,196	814,915	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	167,886	167,836	92%
NUCLEAR	-	-	-	-	-	-	-	14,075	14,075	8%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	181,961	181,951	
NET IMPORTS OF REGION	137,227	23,399	184,083	77,832	30,629	79,693	39,853	55,235	632,954	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.27%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 42 PENNSYLVANIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	261,340	40,879	-	73,513	-	363,059	2,720	204,263	945,774	21%
INDUSTRIAL	92,994	130,489	-	214,941	-	303,222	923,585	205,835	1,871,066	41%
TRANSPORTATION	106,618	24,653	686,882	53,213	-	16,146	135	2,854	890,501	20%
MISCELLANEOUS USES	5,209	2,840	-	103	-	8,393	41	2,775	19,361	0%
TOTAL FINAL DEMAND SECTORS	466,161	198,861	686,882	341,770	-	690,820	926,481	415,727	3,726,702	82%
TRANSFORMATION										
ELECTRICITY GEN.	25,570	42,826	-	-	-	14,012	988,014	-356,391	714,031	16%
PETROLEUM PRODUCTS	-646,401	-78,801	-745,266	-316,512	1,778,015	13,199	-	-	4,232	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-620,831	-35,975	-745,266	-316,512	1,778,015	27,211	988,014	-356,391	718,263	16%
TOTAL GROSS FLOWS	491,731	241,687	686,882	341,770	1,778,015	718,031	1,914,495	415,727	4,444,965	97%
LOSSES & OMISSIONS	28,428	5	-2	-14,286	88,761	-26,009	-4,217	41,577	114,258	3%
TOTAL NET USAGE	-126,241	162,891	-58,386	10,970	1,866,776	692,021	1,910,277	100,913	4,559,223	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	47,560	89,896	2,644,570	-	2,782,026	94%
HYDROELECTRIC	-	-	-	-	-	-	-	4,877	4,877	0%
NUCLEAR	-	-	-	-	-	-	-	160,093	160,093	5%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	47,560	89,896	2,644,570	164,970	2,946,996	
NET IMPORTS OF REGION	-126,241	162,891	-58,386	10,970	1,819,216	602,125	-734,292	-64,056	1,612,227	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 44 RHODE ISLAND 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	54,567	15,432	-	8,657	-	21,081	9	13,072	112,818	48%
INDUSTRIAL	721	5,288	-	12,498	-	7,774	592	6,070	32,943	14%
TRANSPORTATION	6,746	321	60,709	926	-	726	-	-	67,428	28%
MISCELLANEOUS USES	2,365	1,756	-	23	-	1,754	-	379	6,277	3%
TOTAL FINAL DEMAND SECTORS	62,399	22,797	60,709	22,104	-	31,335	601	19,521	219,466	93%
TRANSFORMATION										
ELECTRICITY GEN.	2,848	4,819	-	-	-	-	13,472	-7,400	13,739	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,848	4,819	-	-	-	-	13,472	-7,400	13,739	6%
TOTAL GROSS FLOWS	65,247	27,616	60,709	22,104	-	31,335	14,073	19,521	233,205	98%
LOSSES & OMISSIONS	3,772	0	-0	-923	-	-1,135	-30	1,952	3,634	2%
TOTAL NET USAGE	69,019	27,616	60,708	21,180	-	30,199	14,042	14,073	236,839	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	132	132	1%
NUCLEAR	-	-	-	-	-	-	-	8,948	8,943	98%
GEO.&SOLAR	-	-	-	-	-	-	-	56	55	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	9,136	9,135	
NET IMPORTS OF REGION	69,019	27,616	60,708	21,180	-	30,199	14,042	4,937	227,703	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 45 SOUTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	28,207	1,178	-	26,755	-	28,183	683	88,193	173,199	17%
INDUSTRIAL	17,269	33,540	-	62,076	-	102,862	57,273	110,430	383,450	37%
TRANSPORTATION	26,765	16,227	227,626	6,465	-	1,295	-	-	278,378	27%
MISCELLANEOUS USES	1,697	968	-	126	-	2,831	6	1,370	6,998	1%
TOTAL FINAL DEMAND SECTORS	73,938	51,913	227,626	95,422	-	135,171	57,962	199,993	842,025	81%
TRANSFORMATION										
ELECTRICITY GEN.	40,916	30,632	-	-	-	13	209,986	-97,128	184,419	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	40,916	30,632	-	-	-	13	209,986	-97,128	184,419	18%
TOTAL GROSS FLOWS	114,854	82,545	227,626	95,422	-	135,184	267,948	199,993	1,026,444	98%
LOSSES & OMISSIONS	6,640	1	-0	-3,988	-	-4,896	-590	20,001	17,166	2%
TOTAL NET USAGE	121,494	82,546	227,625	91,433	-	130,287	267,357	122,866	1,043,610	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	15,731	15,731	16%
NUCLEAR	-	-	-	-	-	-	-	81,515	81,515	84%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	97,246	97,246	
NET IMPORTS OF REGION	121,494	82,546	227,625	91,433	-	130,287	267,357	25,620	946,364	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.50%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 46 SOUTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,558	97	-	12,326	-	21,601	19	31,082	72,783	39%
INDUSTRIAL	7,519	1,894	-	3,899	-	1,823	2,694	3,816	21,645	12%
TRANSPORTATION	6,447	-	60,831	2,118	-	776	-	-	70,172	38%
MISCELLANEOUS USES	951	337	-	46	-	414	-	282	2,030	1%
TOTAL FINAL DEMAND SECTORS	22,575	2,328	60,831	18,389	-	24,614	2,713	35,180	166,630	89%
TRANSFORMATION										
ELECTRICITY GEN.	2,371	-	-	-	-	344	21,355	-7,505	16,565	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,371	-	-	-	-	344	21,355	-7,505	16,565	9%
TOTAL GROSS FLOWS	24,946	2,328	60,831	18,389	-	24,953	24,068	35,180	183,195	98%
LOSSES & OMISSIONS	1,442	0	-0	-768	-	-904	-53	3,518	3,234	2%
TOTAL NET USAGE	26,388	2,328	60,830	17,620	-	24,053	24,014	31,193	186,429	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	626	-	-	-	626	2%
HYDROELECTRIC	-	-	-	-	-	-	-	24,676	24,676	95%
NUCLEAR	-	-	-	-	-	-	-	672	672	3%
GEO.&SOLAR	-	-	-	-	-	-	-	26	26	0%
TOTAL SUPPLY	-	-	-	-	626	-	-	25,374	26,000	
NET IMPORTS OF REGION	26,388	2,328	60,830	17,620	-626	24,053	24,014	5,819	160,429	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 47 TENNESSEE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,745	1,468	-	36,166	-	65,777	1,385	170,558	290,099	17%
INDUSTRIAL	6,114	9,506	-	89,454	-	143,583	92,388	176,633	517,678	31%
TRANSPORTATION	75,596	-	327,493	32,127	-	2,114	1	-	437,331	26%
MISCELLANEOUS USES	2,116	1,205	-	115	-	3,066	6	1,029	7,537	0%
TOTAL FINAL DEMAND SECTORS	98,571	12,179	327,493	157,862	-	214,540	93,780	348,220	1,252,645	75%
TRANSFORMATION										
ELECTRICITY GEN.	56,049	-	-	-	-	6,189	535,813	-205,774	392,277	23%
PETROLEUM PRODUCTS	-22,995	-9,840	-42,555	-19,753	91,305	4,602	-	-	764	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	33,054	-9,840	-42,555	-19,753	91,305	10,791	535,813	-205,774	393,041	23%
TOTAL GROSS FLOWS	154,620	12,179	327,493	157,862	91,305	225,331	629,593	348,220	1,645,686	98%
LOSSES & OMISSIONS	8,939	0	-1	-6,598	4,558	-8,162	-1,386	34,825	32,174	2%
TOTAL NET USAGE	140,564	2,338	284,936	131,510	95,863	217,169	628,206	177,271	1,677,860	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	715	-	147,483	-	148,198	45%
HYDROELECTRIC	-	-	-	-	-	-	-	30,870	30,870	9%
NUCLEAR	-	-	-	-	-	-	-	152,393	152,393	46%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	715	-	147,483	183,263	331,461	
NET IMPORTS OF REGION	140,564	2,338	284,936	131,510	95,148	217,169	480,723	-5,991	1,346,399	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.59%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 48 TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	73.557	17,924	-	161,492	-	468,526	-	380,393	1,101,992	10%
INDUSTRIAL	66,328	200,461	-	2,285,415	-	3,637,554	78,270	326,881	6,594,909	59%
TRANSPORTATION	243.237	144,515	1,124,571	190,657	-	48,720	2	-	1,751,702	16%
MISCELLANEOUS USES	24.837	23,063	-	587	-	13,364	-	5,418	67,269	1%
TOTAL FINAL DEMAND SECTORS	407.959	385,963	1,124,571	2,638,151	-	4,168,264	78,272	712,692	9,515,872	85%
TRANSFORMATION										
ELECTRICITY GEN.	66.359	-	-	-	-	1,096,110	884,266	-674,531	1,372,204	12%
PETROLEUM PRODUCTS	-2,272.384	-228,569	-3,827,838	-3,598,269	9,229,115	787,306	-	-	89,361	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-2,206,025	-228,569	-3,827,838	-3,598,269	9,229,115	1,883,416	884,266	-674,531	1,461,565	13%
TOTAL GROSS FLOWS	474,318	385,963	1,124,571	2,638,151	9,229,115	6,051,680	962,538	712,692	10,977,437	98%
LOSSES & OMISSIONS	27,422	8	-3	-110,279	460,733	-219,210	-2,120	71,276	227,827	2%
TOTAL NET USAGE	-1,770,644	157,402	-2,703,270	-1,070,397	9,689,849	5,832,470	960,417	109,437	11,205,264	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,193,243	4,358,126	647,700	-	11,199,069	99%
HYDROELECTRIC	-	-	-	-	-	-	-	6,925	6,925	0%
NUCLEAR	-	-	-	-	-	-	-	58,389	58,389	1%
GEO.&SOLAR	-	-	-	-	-	-	-	185	185	0%
TOTAL SUPPLY	-	-	-	-	6,193,243	4,358,126	647,700	65,499	11,264,568	
NET IMPORTS OF REGION	-1,770,644	157,402	-2,703,270	-1,070,397	3,496,606	1,474,344	312,717	43,938	-59,303	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.04%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 49 UTAH 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	15,870	3,829	-	25,349	-	84,383	91	37,135	166,657	27%
INDUSTRIAL	22,091	27,471	-	49,390	-	31,483	96,125	11,514	238,074	39%
TRANSPORTATION	20,846	59	116,326	9,817	-	997	2	-	148,047	24%
MISCELLANEOUS USES	5,039	1,788	-	210	-	1,761	1	1,333	10,132	2%
TOTAL FINAL DEMAND SECTORS	63,846	33,147	116,326	84,766	-	118,624	96,219	49,982	562,910	92%
TRANSFORMATION										
ELECTRICITY GEN.	1,826	-	-	-	-	487	112,408	-35,770	78,951	13%
PETROLEUM PRODUCTS	-96,463	-29,145	-152,909	-65,230	327,643	20,471	-	-	4,367	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-50,000	-	-	-	-50,000	-7%
NET FUEL USED IN TRANSFORMATION	-94,637	-29,145	-152,909	-65,230	277,643	20,958	112,408	-35,770	33,318	5%
TOTAL GROSS FLOWS	65,672	33,147	116,326	84,766	327,643	139,582	208,627	49,982	646,228	106%
LOSSES & OMISSIONS	3,796	0	-0	-3,543	16,356	-5,056	-459	4,998	16,093	3%
TOTAL NET USAGE	-26,994	4,002	-36,583	15,992	293,999	134,526	208,167	19,210	612,322	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	113,146	69,850	416,836	-	599,832	99%
HYDROELECTRIC	-	-	-	-	-	-	-	5,130	5,130	1%
NUCLEAR	-	-	-	-	-	-	-	954	954	0%
GEO.&SOLAR	-	-	-	-	-	-	-	36	36	0%
TOTAL SUPPLY	-	-	-	-	113,146	69,850	416,836	6,120	605,952	
NET IMPORTS OF REGION	-26,994	4,002	-36,583	15,992	180,853	64,676	-208,668	13,090	6,370	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

STATE 50 VERMONT 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,247	242	-	4,934	-	2,386	4	9,156	38,969	34%
INDUSTRIAL	626	6,561	-	1,494	-	6,222	28	5,126	20,057	18%
TRANSPORTATION	3,101	-	37,875	759	-	356	-	-	42,091	37%
MISCELLANEOUS USES	283	210	-	6	-	634	-	120	1,253	1%
TOTAL FINAL DEMAND SECTORS	26,257	7,013	37,875	7,193	-	9,598	32	14,402	102,370	91%
TRANSFORMATION										
ELECTRICITY GEN.	2,708	-	-	-	-	-	10,112	-4,604	8,216	7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,708	-	-	-	-	-	10,112	-4,604	8,216	7%
TOTAL GROSS FLOWS	28,965	7,013	37,875	7,193	-	9,598	10,144	14,402	110,586	98%
LOSSES & OMISSIONS	1,674	0	-0	-300	-	-347	-22	1,440	2,444	2%
TOTAL NET USAGE	30,639	7,013	37,874	6,892	-	9,250	10,121	11,238	113,030	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,323	2,323	36%
NUCLEAR	-	-	-	-	-	-	-	4,155	4,155	64%
GEO.&SOLAR	-	-	-	-	-	-	-	41	41	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	6,519	6,519	
NET IMPORTS OF REGION	30,639	7,013	37,874	6,892	-	9,250	10,121	4,719	106,511	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.09%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 51 VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	67,202	5,758	-	29,658	-	76,510	2,555	114,794	296,477	20%
INDUSTRIAL	42,738	59,749	-	60,551	-	58,786	106,002	69,311	397,137	27%
TRANSPORTATION	62,491	30,065	383,208	86,117	-	11,320	60	-	573,261	40%
MISCELLANEOUS USES	5,811	3,166	-	139	-	10,168	56	6,817	26,157	2%
TOTAL FINAL DEMAND SECTORS	178,242	98,738	383,208	176,465	-	156,784	108,673	190,922	1,293,032	89%
TRANSFORMATION										
ELECTRICITY GEN.	4,598	29,853	-	-	-	6,358	147,665	-61,840	126,634	9%
PETROLEUM PRODUCTS	-45,255	-5,517	-52,177	-22,159	124,481	924	-	-	297	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	1%
NET FUEL USED IN TRANSFORMATION	-40,657	24,336	-52,177	103,086	124,481	-105,692	147,665	-61,840	139,201	10%
TOTAL GROSS FLOWS	182,840	128,591	383,208	301,710	124,481	164,066	256,338	190,922	1,432,233	99%
LOSSES & OMISSIONS	10,570	2	-1	-12,612	6,214	-5,942	-564	19,094	16,761	1%
TOTAL NET USAGE	148,155	123,076	331,029	266,938	130,695	45,148	255,773	148,176	1,448,994	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	923	4,118	1,109,610	-	1,114,651	92%
HYDROELECTRIC	-	-	-	-	-	-	-	11,204	11,204	1%
NUCLEAR	-	-	-	-	-	-	-	86,925	86,925	7%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	923	4,118	1,109,610	98,129	1,212,780	
NET IMPORTS OF REGION	148,155	123,076	331,029	266,938	129,772	41,030	-853,836	50,047	236,214	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.19%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 53 WASHINGTON 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MIC MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	67,787	11,836	-	34,732	-	70,934	397	178,949	364,435	29%
INDUSTRIAL	48,249	58,140	-	112,682	-	45,317	29,864	127,755	422,007	34%
TRANSPORTATION	35,923	13,396	247,333	64,558	-	1,047	4	-	362,261	29%
MISCELLANEOUS USES	3,304	1,373	-	20	-	3,056	7	1,591	9,351	1%
TOTAL FINAL DEMAND SECTORS	155,263	84,745	247,333	211,992	-	120,354	30,072	308,295	1,158,054	92%
TRANSFORMATION										
ELECTRICITY GEN.	1,182	-	-	-	-	-	46,979	-15,271	32,890	3%
PETROLEUM PRODUCTS	-119,221	-142,211	-305,390	-207,407	772,877	3,126	-	-	1,774	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-118,039	-142,211	-305,390	-207,407	772,877	3,126	46,979	-15,271	34,664	3%
TOTAL GROSS FLOWS	156,445	84,745	247,333	211,992	772,877	123,480	77,051	308,295	1,192,718	95%
LOSSES & OMISSIONS	9,044	1	-0	-8,861	38,583	-4,472	-169	30,832	64,957	5%
TOTAL NET USAGE	46,268	-57,464	-58,057	-4,276	811,460	119,007	76,881	323,856	1,257,675	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	135,660	-	135,660	24%
HYDROELECTRIC	-	-	-	-	-	-	-	388,516	388,516	68%
NUCLEAR	-	-	-	-	-	-	-	50,975	50,975	9%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	135,660	439,491	575,151	
NET IMPORTS OF REGION	46,268	-57,464	-58,057	-4,276	811,460	119,007	-58,778	-115,634	682,524	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.29%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 54 WEST VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,678	1,796	-	8,572	-	71,395	1,475	32,386	124,302	11%
INDUSTRIAL	9,777	6,126	-	26,644	-	67,785	179,621	94,736	384,689	34%
TRANSPORTATION	32,599	-	107,756	1,401	-	2,468	39	-	144,263	13%
MISCELLANEOUS USES	730	397	-	15	-	1,229	4	408	2,783	0%
TOTAL FINAL DEMAND SECTORS	51,784	8,319	107,756	36,632	-	142,877	181,139	127,530	656,037	58%
TRANSFORMATION										
ELECTRICITY GEN.	114	630	-	-	-	4,246	697,775	-236,077	466,688	41%
PETROLEUM PRODUCTS	-16,607	-2,024	-19,147	-8,132	45,682	339	-	-	108	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-16,493	-1,394	-19,147	-8,132	45,682	4,585	697,775	-236,077	466,796	41%
TOTAL GROSS FLOWS	51,898	8,949	107,756	36,632	45,682	147,462	878,914	127,530	1,122,833	99%
LOSSES & OMISSIONS	3,000	0	-0	-1,531	2,280	-5,341	-1,935	12,754	9,226	1%
TOTAL NET USAGE	38,290	6,924	88,607	26,968	47,962	142,120	876,978	-95,792	1,132,059	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	46,046	144,986	3,483,713	-	3,674,745	100%
HYDROELECTRIC	-	-	-	-	-	-	-	190	190	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	46,046	144,986	3,483,713	190	3,674,935	
NET IMPORTS OF REGION	38,290	6,924	88,607	26,968	1,916	-2,865	-2,606,734	-95,982	-2,542,875	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.41%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 55 WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	105,184	6,412	-	61,237	-	181,265	2,486	95,089	491,673	30%
INDUSTRIAL	30,256	20,207	-	65,688	-	45,592	201,331	94,427	457,501	28%
TRANSPORTATION	39,962	344	333,634	10,214	-	7,512	-	-	391,665	24%
MISCELLANEOUS USES	5,091	2,943	-	124	-	3,102	7	1,019	12,285	1%
TOTAL FINAL DEMAND SECTORS	220,493	29,906	333,634	137,263	-	237,471	203,824	190,535	1,353,125	84%
TRANSFORMATION										
ELECTRICITY GEN.	15,096	986	-	-	-	4,781	354,247	-132,760	242,350	15%
PETROLEUM PRODUCTS	-23,781	-10,177	-44,009	-20,428	94,424	4,760	-	-	789	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-8,685	-9,191	-44,009	-20,428	94,424	9,541	354,247	-132,760	243,139	15%
TOTAL GROSS FLOWS	235,589	30,892	333,634	137,263	94,424	247,012	558,071	190,535	1,596,265	99%
LOSSES & OMISSIONS	13,620	0	-1	-5,737	4,713	-8,947	-1,229	19,055	21,474	1%
TOTAL NET USAGE	225,428	20,715	289,623	111,097	99,138	238,064	556,841	76,830	1,617,740	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	4,217	4,217	7%
NUCLEAR	-	-	-	-	-	-	-	54,588	54,588	93%
GEO.&SOLAR	-	-	-	-	-	-	-	88	88	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	58,893	58,893	
NET IMPORTS OF REGION	225,428	20,715	289,623	111,097	99,138	238,064	556,841	17,937	1,558,847	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.61%
2 TRANSFORMATION LOSS FOR PEIROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,777	2,447	-	7,027	-	26,464	18	16,807	61,540	13%
INDUSTRIAL	25,746	9,509	-	16,625	-	47,744	34,999	6,662	141,285	30%
TRANSPORTATION	21,125	757	43,510	1,368	-	474	1	-	67,235	14%
MISCELLANEOUS USES	913	324	-	38	-	373	-	216	1,864	0%
TOTAL FINAL DEMAND SECTORS	56,561	13,037	43,510	25,058	-	75,055	35,018	23,685	271,924	57%
TRANSFORMATION										
ELECTRICITY GEN.	865	-	-	-	-	231	258,733	-81,029	178,800	38%
PETROLEUM PRODUCTS	-119,525	-36,113	-189,466	-80,825	405,976	25,366	-	-	5,411	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-118,660	-36,113	-189,466	-80,825	405,976	25,597	258,733	-81,029	184,211	39%
TOTAL GROSS FLOWS	57,426	13,037	43,510	25,058	405,976	100,652	293,751	23,685	456,135	96%
LOSSES & OMISSIONS	3,320	0	-0	-1,047	20,267	-3,645	-647	2,368	20,615	4%
TOTAL NET USAGE	-58,779	-23,076	-145,956	-56,815	426,243	97,006	293,103	-54,975	476,750	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	768,773	371,157	1,667,157	-	2,807,087	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,577	3,577	0%
NUCLEAR	-	-	-	-	-	-	-	451	451	0%
GEO.&SOLAR	-	-	-	-	-	-	-	16	16	0%
TOTAL SUPPLY	-	-	-	-	768,773	371,157	1,667,157	4,044	2,811,131	
NET IMPORTS OF REGION	-58,779	-23,076	-145,956	-56,815	-342,529	-274,150	-1,374,053	-59,019	-2,334,380	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

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EEA ECONOMIC AREA BANGOR MAINE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,769	6,198	-	3,378	-	598	3	4,836	37,782	22%
INDUSTRIAL	2,667	33,123	-	913	-	1,945	105	9,853	48,606	29%
TRANSPORTATION	2,755	6,789	26,276	3,392	-	344	2	-	39,558	23%
MISCELLANEOUS USES	518	385	-	5	-	286	-	75	1,269	1%
TOTAL FINAL DEMAND SECTORS	28,709	46,495	26,276	7,688	-	3,173	110	14,764	127,215	75%
TRANSFORMATION										
ELECTRICITY GEN.	2,247	2,808	-	-	-	-	10,189	-5,360	9,884	6%
PETROLEUM PRODUCTS	-213,469	-26,023	-246,119	-104,526	587,176	4,358	-	-	1,397	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-211,222	-23,215	-246,119	-104,526	587,176	4,358	10,189	-5,360	11,281	7%
TOTAL GROSS FLOWS	30,956	49,303	26,276	7,688	587,176	7,531	10,299	14,764	138,496	81%
LOSSES & OMISSIONS	1,789	1	-0	-321	29,312	-272	-22	1,476	31,963	19%
TOTAL NET USAGE	-180,723	23,281	-219,843	-97,159	616,488	7,259	10,276	10,880	170,460	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	546	546	93%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	42	42	7%
TOTAL SUPPLY	-	-	-	-	-	-	-	588	588	
NET IMPORTS OF REGION	-180,723	23,281	-219,843	-97,159	616,488	7,259	10,276	10,292	169,872	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 2 PORTLAND-SOUTH PORTLAND MAINE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	53,553	14,953	-	7,835	-	2,074	7	11,660	90,092	34%
INDUSTRIAL	3,255	35,065	-	3,488	-	2,252	315	12,548	56,943	21%
TRANSPORTATION	6,093	6,144	60,916	3,088	-	328	1	-	76,570	29%
MISCELLANEOUS USES	856	636	-	12	-	938	-	197	2,639	1%
TOTAL FINAL DEMAND SECTORS	63,757	56,828	60,916	14,423	-	5,592	323	24,405	226,244	85%
TRANSFORMATION										
ELECTRICITY GEN.	3,858	33,383	-	-	-	-	16,843	-18,467	35,617	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,858	33,383	-	-	-	-	16,843	-18,467	35,617	13%
TOTAL GROSS FLOWS	67,615	90,211	60,916	14,423	-	5,592	17,166	24,405	261,861	98%
LOSSES & OMISSIONS	3,909	2	-0	-602	-	-202	-37	2,440	5,508	2%
TOTAL NET USAGE	71,524	90,213	60,915	13,820	-	5,389	17,128	8,378	267,369	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,501	3,501	34%
NUCLEAR	-	-	-	-	-	-	-	6,661	6,661	65%
GEO.&SOLAR	-	-	-	-	-	-	-	69	69	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	10,231	10,231	
NET IMPORTS OF REGION	71,524	90,213	60,915	13,820	-	5,389	17,128	-1,852	257,138	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.85%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 3 BURLINGTON VERMONT 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	26,973	2,037	-	5,516	-	3,467	4	9,880	47,877	36%
INDUSTRIAL	830	8,678	-	1,525	-	6,057	80	7,141	24,311	18%
TRANSPORTATION	3,200	-	42,442	739	-	376	-	-	46,757	35%
MISCELLANEOUS USES	323	239	-	7	-	719	-	136	1,424	1%
TOTAL FINAL DEMAND SECTORS	31,326	10,954	42,442	7,787	-	10,619	84	17,157	120,369	90%
TRANSFORMATION										
ELECTRICITY GEN.	3,192	-	-	-	-	-	12,013	-5,459	9,746	7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,192	-	-	-	-	-	12,013	-5,459	9,746	7%
TOTAL GROSS FLOWS	34,518	10,954	42,442	7,787	-	10,619	12,097	17,157	130,115	98%
LOSSES & OMISSIONS	1,995	0	-0	-325	-	-384	-26	1,715	2,974	2%
TOTAL NET USAGE	36,513	10,954	42,441	7,461	-	10,234	12,070	13,413	133,089	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	5,355	5,355	99%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	48	48	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	5,403	5,403	
NET IMPORTS OF REGION	36,513	10,954	42,441	7,461	-	10,234	12,070	8,010	127,686	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.10%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA BOSTON MASSACHUSETT 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	447,987	138,688	-	52,649	-	154,573	16	95,764	899,682	58%
INDUSTRIAL	6,642	47,052	-	50,948	-	40,389	1,200	40,508	186,739	10%
TRANSPORTATION	29,238	3,536	395,117	51,855	-	7,845	2	79	487,672	26%
MISCELLANEOUS USES	7,058	5,241	-	96	-	8,653	-	1,606	22,654	1%
TOTAL FINAL DEMAND SECTORS	490,925	194,517	395,117	165,548	-	211,465	1,218	137,957	1,596,747	86%
TRANSFORMATION										
ELECTRICITY GEN.	25,210	207,997	-	-	-	-	117,937	-119,963	231,181	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	59,830	-	-53,970	-	-	5,860	0%
NET FUEL USED IN TRANSFORMATION	25,210	207,997	-	59,830	-	-53,970	117,937	-119,963	237,041	13%
TOTAL GROSS FLOWS	516,135	402,514	395,117	225,378	-	211,465	119,155	137,957	1,833,788	99%
LOSSES & OMISSIONS	29,839	9	-1	-9,421	-	-7,659	-262	13,797	26,301	1%
TOTAL NET USAGE	545,974	402,523	395,115	215,956	-	149,835	118,892	31,791	1,860,089	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,319	1,319	3%
NUCLEAR	-	-	-	-	-	-	-	41,239	41,239	96%
GEO.&SOLAR	-	-	-	-	-	-	-	394	394	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	42,952	42,952	
NET IMPORTS OF REGION	545,974	402,523	395,115	215,956	-	149,835	118,892	-11,160	1,817,137	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.79%

BEA ECONOMIC AREA 5 HARTFORD CONNECTICUT 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	139,977	34,807	-	25,981	-	58,787	24	53,185	312,761	37%
INDUSTRIAL	6,415	64,143	-	35,270	-	23,054	819	27,007	156,708	19%
TRANSPORTATION	19,434	622	194,543	15,439	-	2,196	3	18	232,255	28%
MISCELLANEOUS USES	2,282	1,695	-	39	-	3,567	-	616	8,199	1%
TOTAL FINAL DEMAND SECTORS	168,108	101,267	194,543	76,729	-	87,604	846	80,826	709,923	85%
TRANSFORMATION										
ELECTRICITY GEN.	21,416	100,115	-	-	-	-	55,782	-61,492	115,821	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	21,416	100,115	-	-	-	-	55,782	-61,492	115,821	14%
TOTAL GROSS FLOWS	189,524	201,382	194,543	76,729	-	87,604	56,628	80,826	825,744	99%
LOSSES & EMISSIONS	10,957	4	-0	-3,207	-	-3,173	-124	8,083	12,539	1%
TOTAL NET USAGE	200,481	201,386	194,542	73,521	-	84,430	56,503	27,417	838,283	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	6,397	6,397	16%
NUCLEAR	-	-	-	-	-	-	-	33,700	33,700	84%
GEO.&SOLAR	-	-	-	-	-	-	-	231	231	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	40,328	40,328	
NET IMPORTS OF REGION	200,481	201,386	194,542	73,521	-	84,430	56,503	-12,910	797,955	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.32%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 6 ALBANY-SCHENECTADY-TROY NEW YORK 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	54,331	20,431	-	10,884	-	31,845	87	22,059	139,598	43%
INDUSTRIAL	2,500	3,429	-	10,835	-	10,503	9,917	14,521	56,810	18%
TRANSPORTATION	4,741	7[illegible]2	71,905	4,087	-	570	1	822	82,838	26%
MISCELLANEOUS USES	907	1,360	-	19	-	2,212	6	704	5,208	2%
TOTAL FINAL DEMAND SECTORS	62,579	30,932	71,905	25,825	-	45,135	9,971	38,106	284,454	88%
TRANSFORMATION										
ELECTRICITY GEN.	5,741	11,189	-	-	-	15	34,369	-17,160	34,154	11%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,741	11,189	-	-	-	15	34,369	-17,160	34,154	11%
TOTAL GROSS FLOWS	68,320	42,121	71,905	25,825	-	45,151	44,340	38,106	318,608	98%
LOSSES & EMISSIONS	3,949	0	-0	-1,079	-	-1,635	-97	3,811	4,948	2%
TOTAL NET USAGE	72,269	42,121	71,904	24,745	-	43,515	44,242	24,757	323,556	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	11,978	11,978	50%
NUCLEAR	-	-	-	-	-	-	-	11,915	11,915	50%
GEO.&SOLAR	-	-	-	-	-	-	-	54	54	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	23,947	23,947	
NET IMPORTS OF REGION	72,269	42,121	71,904	24,745	-	43,515	44,242	810	299,609	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 7 SYRACUSE NEW YORK 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	51,441	22,185	-	10,735	-	33,401	56	23,815	141,633	35%
INDUSTRIAL	2,761	5,007	-	8,499	-	15,484	27,450	18,506	77,707	19%
TRANSPORTATION	4,266	1,307	71,453	6,790	-	937	-	371	85,124	21%
MISCELLANEOUS USES	513	808	-	10	-	1,081	3	391	2,806	1%
TOTAL FINAL DEMAND SECTORS	58,981	29,307	71,453	26,034	-	50,903	27,509	43,083	307,270	76%
TRANSFORMATION										
ELECTRICITY GEN.	6,088	58,045	-	-	-	19	67,415	-43,062	88,505	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	2%
NET FUEL USED IN TRANSFORMATION	6,088	58,045	-	101,830	-	-91,836	67,415	-43,062	98,480	24%
TOTAL GROSS FLOWS	65,069	87,352	71,453	127,864	-	50,922	94,924	43,083	405,750	100%
LOSSES & EMISSIONS	3,761	2	-0	-5,344	-	-1,844	-209	4,308	673	0%
TOTAL NET USAGE	68,830	87,354	71,452	122,519	-	-42,777	94,714	4,329	406,423	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	11,025	11,025	23%
NUCLEAR	-	-	-	-	-	-	-	36,352	36,352	77%
GEO.&SOLAR	-	-	-	-	-	-	-	52	52	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	47,429	47,429	
NET IMPORTS OF REGION	68,830	87,354	71,452	122,519	-	-42,777	94,714	-43,099	358,994	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.27%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 8 ROCHESTER NEW YORK 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	38,419	16,236	-	8,075	-	24,986	41	17,735	105,492	41%
INDUSTRIAL	3,609	5,814	-	3,450	-	15,559	12,263	14,890	55,582	22%
TRANSPORTATION	2,536	596	53,763	3,090	-	426	-	224	60,640	24%
MISCELLANEOUS USES	259	407	-	6	-	685	2	217	1,576	1%
TOTAL FINAL DEMAND SECTORS	44,823	23,053	53,763	14,621	-	41,656	12,303	33,066	223,290	87%
TRANSFORMATION										
ELECTRICITY GEN.	4,679	3,133	-	-	-	127	36,764	-14,914	29,789	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,679	3,133	-	-	-	127	36,764	-14,914	29,789	12%
TOTAL GROSS FLOWS	49,502	26,186	53,763	14,621	-	41,783	49,067	33,066	253,079	98%
LOSSES & EMISSIONS	2,851	0	-0	-611	-	-1,513	-108	3,306	3,936	2%
TOTAL NET USAGE	52,353	26,186	53,767	14,009	-	40,269	48,958	21,458	257,015	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,688	2,688	36%
NUCLEAR	-	-	-	-	-	-	-	4,667	4,667	63%
GEO.&SOLAR	-	-	-	-	-	-	-	40	40	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	7,395	7,395	
NET IMPORTS OF REGION	52,353	26,186	53,767	14,009	-	40,269	48,958	14,063	249,620	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.64%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 9 BUFFALO NEW YORK 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	58,334	24,193	-	12,382	-	38,926	75	27,361	161,271	31%
INDUSTRIAL	4,464	9,513	-	16,039	-	37,224	48,605	27,733	143,578	27%
TRANSPORTATION	6,809	823	83,501	3,980	-	571	1	1,404	97,089	19%
MISCELLANEOUS USES	447	683	-	10	-	1,155	4	370	2,674	1%
TOTAL FINAL DEMAND SECTORS	70,054	35,217	83,501	32,411	-	77,876	48,685	56,868	404,612	77%
TRANSFORMATION										
ELECTRICITY GEN.	7,680	-	-	-	-	108	139,857	-48,947	98,698	19%
PETROLEUM PRODUCTS	-108,344	-13,208	-124,915	-53,050	298,014	2,212	-	-	709	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-100,664	-13,208	-124,915	-53,050	298,014	2,320	139,857	-48,947	99,407	19%
TOTAL GROSS FLOWS	77,734	35,217	83,501	32,411	298,014	80,196	188,542	56,868	504,019	96%
LOSSES & OMISSIONS	4,494	0	-0	-1,354	14,877	-2,904	-415	5,687	20,384	4%
TOTAL NET USAGE	-26,115	22,009	-41,414	-21,994	312,892	77,291	188,126	13,608	524,403	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	22,101	10,617	-	-	32,718	30%
HYDROELECTRIC	-	-	-	-	-	-	-	76,723	76,723	70%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	66	66	0%
TOTAL SUPPLY	-	-	-	-	22,101	10,617	-	76,789	109,507	
NET IMPORTS OF REGION	-26,115	22,009	-41,414	-21,994	290,791	66,674	188,126	-63,180	414,896	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.85%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 10 ERIE PENNSYLVANIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,230	1,500	-	2,947	-	14,377	107	7,912	37,013	20%
INDUSTRIAL	3,951	5,263	-	8,771	-	17,038	50,717	10,308	97,048	52%
TRANSPORTATION	4,269	430	27,567	906	-	273	7	151	33,603	18%
MISCELLANEOUS USES	186	101	-	4	-	304	1	103	699	0%
TOTAL FINAL DEMAND SECTORS	18,636	8,294	27,567	12,628	-	31,932	50,832	18,474	168,363	91%
TRANSFORMATION										
ELECTRICITY GEN.	520	-	-	-	-	615	10,605	-3,886	7,854	4%
PETROLEUM PRODUCTS	-57,558	-7,018	-66,373	-28,189	158,350	1,175	-	-	377	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-57,048	-7,018	-66,373	-28,189	158,350	1,790	10,605	-3,886	8,231	4%
TOTAL GROSS FLOWS	19,156	8,294	27,567	12,628	158,350	33,722	61,437	18,474	176,594	95%
LOSSES & EMISSIONS	1,107	0	-0	-527	7,905	-1,221	-135	1,847	8,975	5%
TOTAL NET USAGE	-37,304	1,276	-38,806	-16,088	166,255	32,500	61,301	16,435	185,570	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	12,618	13,299	14,579	-	40,496	98%
HYDROELECTRIC	-	-	-	-	-	-	-	854	854	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	12,618	13,299	14,579	854	41,350	
NET IMPORTS OF REGION	-37,304	1,276	-38,806	-16,088	153,637	19,201	46,722	15,581	144,220	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.90%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 11 WILLIAMSPORT PENNSYLVANIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,807	1,542	-	2,753	-	13,618	101	7,633	35,454	24%
INDUSTRIAL	3,768	3,103	-	3,501	-	10,750	29,295	7,671	58,088	39%
TRANSPORTATION	3,502	867	25,727	1,883	-	572	2	52	32,605	22%
MISCELLANEOUS USES	164	90	-	3	-	267	1	90	615	0%
TOTAL FINAL DEMAND SECTORS	17,241	5,602	25,727	8,140	-	25,207	29,399	15,446	126,762	85%
TRANSFORMATION										
ELECTRICITY GEN.	643	380	-	-	-	514	31,225	-10,941	21,821	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	643	380	-	-	-	514	31,225	-10,941	21,821	15%
TOTAL GROSS FLOWS	17,884	5,982	25,727	8,140	-	25,721	60,624	15,446	148,583	99%
LOSSES & OMISSIONS	1,033	0	-0	-340	-	-931	-133	1,544	1,173	1%
TOTAL NET USAGE	18,917	5,982	25,726	7,799	-	24,789	60,490	6,049	149,756	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,634	32,951	354,810	-	395,395	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	7,634	32,951	354,810	23	395,418	
NET IMPORTS OF REGION	18,917	5,982	25,726	7,799	-7,634	-8,161	-294,319	6,026	-245,661	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.60%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 12 BINGHAMTON NEW YORK-PENNSYLVANIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	23,877	8,826	-	5,340	-	17,651	48	11,589	67,331	39%
INDUSTRIAL	2,163	2,852	-	4,321	-	3,749	14,461	10,352	42,908	25%
TRANSPORTATION	3,580	304	37,749	1,301	-	207	1	458	43,600	25%
MISCELLANEOUS USES	233	328	-	6	-	603	1	189	1,360	1%
TOTAL FINAL DEMAND SECTORS	29,853	12,320	37,749	10,968	-	27,210	14,511	22,588	155,199	90%
TRANSFORMATION										
ELECTRICITY GEN.	2,531	-	-	-	-	334	19,833	-7,577	15,121	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,531	-	-	-	-	334	19,833	-7,577	15,121	9%
TOTAL GROSS FLOWS	32,384	12,320	37,749	10,968	-	27,544	34,344	22,588	170,320	98%
LOSSES & OMISSIONS	1,372	0	-0	-458	-	-997	-75	2,259	2,599	2%
TOTAL NET USAGE	34,256	12,320	37,748	10,509	-	26,545	34,268	17,270	172,919	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	15,903	-	15,903	94%
HYDROELECTRIC	-	-	-	-	-	-	-	956	956	6%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	22	22	0%
TOTAL SUPPLY	-	-	-	-	-	-	15,903	978	16,881	
NET IMPORTS OF REGION	34,256	12,320	37,748	10,509	-	26,546	18,365	16,292	156,038	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.62%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BIA ECONOMIC AREA 13 WILKES-BARRE-HAZLETON PENNSYLVANIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,776	1,977	-	4,386	-	20,831	158	11,235	53,363	33%
INDUSTRIAL	5,394	4,960	-	3,893	-	11,573	13,608	11,379	50,807	32%
TRANSPORTATION	6,370	647	41,097	1,414	-	427	1	22	49,978	31%
MISCELLANEOUS USES	364	198	-	7	-	594	3	201	1,367	1%
TOTAL FINAL DEMAND SECTORS	26,904	7,782	41,097	9,700	-	33,425	13,770	22,837	155,515	97%
TRANSFORMATION										
ELECTRICITY GEN.	757	-	-	-	-	760	2,464	-1,256	2,725	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	757	-	-	-	-	760	2,464	-1,256	2,725	2%
TOTAL GROSS FLOWS	27,661	7,782	41,097	9,700	-	34,185	16,234	22,837	158,240	99%
LOSSES & OMISSIONS	1,599	0	-0	-405	-	-1,238	-35	2,283	2,203	1%
TOTAL NET USAGE	29,260	7,782	41,096	9,294	-	32,946	16,198	23,864	160,443	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	59,984	-	59,984	63%
HYDROELECTRIC	-	-	-	-	-	-	-	341	341	0%
NUCLEAR	-	-	-	-	-	-	-	34,313	34,313	36%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	59,984	34,654	94,638	
NET IMPORTS OF REGION	29,260	7,782	41,096	9,294	-	32,946	-43,785	-10,789	65,805	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.45%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 14 NEW YORK NEW YORK 1985

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	570,604	268,446	-	134,426	-	421,157	687	319,475	1,814,795	38%
INDUSTRIAL	42,138	144,891	-	225,918	-	135,847	107,186	150,000	805,980	17%
TRANSPORTATION	92,535	64,450	939,646	232,420	-	33,236	7	4,648	1,366,942	29%
MISCELLANEOUS USES	6,785	10,431	-	151	-	17,039	51	5,315	39,772	1%
TOTAL FINAL DEMAND SECTORS	812,062	488,218	939,646	592,915	-	607,279	107,931	479,438	4,027,489	84%
TRANSFORMATION										
ELECTRICITY GEN.	71,178	459,564	-	-	-	880	455,724	-325,096	662,250	14%
PETROLEUM PRODUCTS	-386,806	-47,155	-445,967	-189,401	1,063,962	7,898	-	-	2,531	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-315,628	412,409	-445,967	-189,401	1,063,962	8,778	455,724	-325,096	664,781	14%
TOTAL GROSS FLOWS	833,240	947,782	939,646	592,915	1,063,962	616,057	563,655	479,438	4,692,270	98%
LOSSES & EMISSIONS	51,063	21	-2	-24,784	53,114	-22,315	-1,241	47,948	103,804	2%
TOTAL NET USAGE	547,497	900,648	493,676	378,729	1,117,076	593,741	562,413	202,290	4,796,074	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	26,257	26,257	32%
NUCLEAR	-	-	-	-	-	-	-	54,046	54,046	67%
GEO.&SOLAR	-	-	-	-	-	-	-	609	609	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	80,912	80,912	
NET IMPORTS OF REGION	547,497	900,648	493,676	378,729	1,117,076	593,741	562,413	121,378	4,715,162	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.07%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 15 PHILADELPHIA PENNSYLVANIA-NEW JERSEY 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	212,587	39,958	-	52,130	-	217,359	1,397	150,564	673,995	25%
INDUSTRIAL	55,871	138,822	-	193,641	-	142,747	303,953	139,047	974,081	37%
TRANSPORTATION	53,493	25,696	457,978	34,865	-	10,195	55	1,020	583,302	22%
MISCELLANEOUS USES	4,401	3,928	-	86	-	7,636	34	2,224	18,309	1%
TOTAL FINAL DEMAND SECTORS	326,352	208,404	457,978	280,722	-	377,937	305,439	292,855	2,249,687	85%
TRANSFORMATION										
ELECTRICITY GEN.	32,117	50,953	-	-	-	7,705	292,038	-125,774	257,039	10%
PETROLEUM PRODUCTS	-848,156	-103,396	-977,878	-415,301	2,332,966	17,318	-	-	5,554	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	0%
NET FUEL USED IN TRANSFORMATION	-816,039	-52,443	-977,878	-313,471	2,332,966	-66,831	292,038	-125,774	272,568	10%
TOTAL GROSS FLOWS	358,469	259,357	457,978	382,552	2,332,966	402,960	597,477	292,855	2,522,255	95%
LOSSES & EMISSIONS	20,724	5	-1	-15,991	116,465	-14,596	-1,316	29,288	134,579	5%
TOTAL NET USAGE	-468,962	155,966	-519,901	-48,740	2,449,431	296,509	596,160	196,369	2,656,834	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	102,398	-	102,398	48%
HYDROELECTRIC	-	-	-	-	-	-	-	3,644	3,644	2%
NUCLEAR	-	-	-	-	-	-	-	106,256	106,256	50%
GEO.&SOLAR	-	-	-	-	-	-	-	75	75	0%
TOTAL SUPPLY	-	-	-	-	-	-	102,398	109,975	212,373	
NET IMPORTS OF REGION	-468,962	155,966	-519,901	-48,740	2,449,431	296,509	493,762	86,394	2,444,461	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	40,542	5,986	-	11,649	-	56,584	427	31,439	146,687	24%
INDUSTRIAL	14,366	3,203	-	12,265	-	38,619	92,535	32,997	203,985	33%
TRANSPORTATION	22,663	1,830	108,950	3,891	-	1,471	27	565	139,097	22%
MISCELLANEOUS USES	759	414	-	15	-	1,215	6	398	2,807	0%
TOTAL FINAL DEMAND SECTORS	78,330	21,433	108,950	27,820	-	97,649	92,995	65,399	492,576	79%
TRANSFORMATION										
ELECTRICITY GEN.	2,781	129	-	-	-	2,178	178,889	-61,589	122,388	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USEI IN TRANSFORMATION	2,781	129	-	-	-	2,178	178,889	-61,589	122,388	20%
TOTAL GROSS FLOWS	81,111	21,562	108,950	27,820	-	99,827	271,884	65,399	614,964	99%
LOSSES & EMISSIONS	4,689	0	-0	-1,162	-	-3,616	-598	6,540	5,852	1%
TOTAL NET USAGE	85,800	21,562	108,949	26,657	-	96,210	271,285	10,350	620,816	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1	3	39,299	-	39,303	38%
HYDROELECTRIC	-	-	-	-	-	-	-	3,045	3,045	3%
NUCLEAR	-	-	-	-	-	-	-	61,403	61,403	59%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1	3	39,299	64,448	103,751	
NET IMPORTS OF REGION	85,800	21,562	108,949	26,657	-1	96,207	231,986	-54,097	517,065	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.52%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 17 BALTIMORE MARYLAND 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	53,893	10,227	-	16,774	-	57,376	353	58,362	196,985	25%
INDUSTRIAL	28,794	34,507	-	28,630	-	28,123	98,692	41,584	260,330	33%
TRANSPORTATION	19,920	13,804	178,511	12,725	-	4,241	28	547	229,776	29%
MISCELLANEOUS USES	3,413	1,860	-	65	-	4,975	26	1,592	11,931	2%
TOTAL FINAL DEMAND SECTORS	106,020	60,398	178,511	58,194	-	94,715	99,099	102,085	699,022	88%
TRANSFORMATION										
ELECTRICITY GEN.	8,865	27,438	-	-	-	4,109	66,200	-34,214	72,398	9%
PETROLEUM PRODUCTS	-27,751	-3,383	-31,995	-13,588	76,332	566	-	-	182	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	2%
NET FUEL USED IN TRANSFORMATION	-18,886	24,054	-31,995	111,657	76,332	-108,299	66,200	-34,214	84,850	11%
TOTAL GROSS FLOWS	114,885	87,836	178,511	183,439	76,332	99,390	165,299	102,085	783,872	99%
LOSSES & OMISSIONS	6,641	2	-0	-7,668	3,810	-3,600	-364	10,209	9,031	1%
TOTAL NET USAGE	93,775	84,454	146,515	162,182	80,143	-17,184	164,934	78,080	792,903	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,996	3,996	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	3,996	3,996	
NET IMPORTS OF REGION	93,775	84,454	146,515	162,182	80,143	-17,184	164,934	74,084	788,907	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.91%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 18 WASHINGTON-DC MARYLAND-VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	75,611	19,806	-	20,176	-	69,383	871	77,971	263,818	33%
INDUSTRIAL	6,548	10,600	-	7,768	-	6,944	6,156	11,805	49,321	6%
TRANSPORTATION	19,334	27,430	230,184	40,434	-	9,573	7	85	327,147	41%
MISCELLANEOUS USES	8,416	4,586	-	167	-	12,901	69	5,276	31,415	4%
TOTAL FINAL DEMAND SECTORS	109,909	62,422	230,184	68,545	-	98,401	7,103	95,137	671,701	84%
TRANSFORMATION										
ELECTRICITY GEN.	6,035	38,867	-	-	-	3,169	132,025	-58,823	121,273	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,035	38,867	-	-	-	3,169	132,025	-58,823	121,273	15%
TOTAL GROSS FLOWS	115,944	101,289	230,184	68,545	-	101,570	139,128	95,137	792,974	99%
LOSSES & EMISSIONS	6,703	2	-0	-2,865	-	-3,679	-306	9,514	9,368	1%
TOTAL NET USAGE	122,647	101,291	230,183	65,679	-	97,890	138,821	45,828	802,342	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	142	142	0%
NUCLEAR	-	-	-	-	-	-	-	46,453	46,453	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	46,595	46,595	
NET IMPORTS OF REGION	122,647	101,291	230,183	65,679	-	97,890	138,821	-766	755,747	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.34%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 19 STAUNTON VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,136	522	-	2,575	-	10,027	271	10,024	28,555	15%
INDUSTRIAL	3,343	5,394	-	4,548	-	8,799	13,127	11,641	46,852	25%
TRANSPORTATION	8,341	1,078	33,072	3,185	-	565	3	-	46,244	25%
MISCELLANEOUS USES	204	112	-	4	-	342	1	118	781	0%
TOTAL FINAL DEMAND SECTORS	17,024	7,106	33,072	10,312	-	19,733	13,402	21,783	122,432	66%
TRANSFORMATION										
ELECTRICITY GEN.	114	328	-	-	-	725	89,230	-30,344	60,053	33%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	114	328	-	-	-	725	89,230	-30,344	60,053	33%
TOTAL GROSS FLOWS	17,138	7,434	33,072	10,312	-	20,458	102,632	21,783	182,485	99%
LOSSES & OMISSIONS	990	0	-0	-431	-	-741	-226	2,178	1,771	1%
TOTAL NET USAGE	18,128	7,434	33,071	9,880	-	19,716	102,405	-6,382	184,256	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	50,359	-	50,359	87%
HYDROELECTRIC	-	-	-	-	-	-	-	7,710	7,710	13%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	50,359	7,710	58,069	
NET IMPORTS OF REGION	18,128	7,434	33,071	9,880	-	19,716	52,046	-14,092	126,187	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.43%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 20 ROANOKE VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,592	862	-	5,277	-	12,678	440	18,943	49,792	17%
INDUSTRIAL	10,758	16,230	-	18,775	-	20,036	45,023	21,902	132,724	45%
TRANSPORTATION	16,394	2,259	67,387	6,437	-	845	29	-	93,351	32%
MISCELLANEOUS USES	278	152	-	5	-	457	2	166	1,060	0%
TOTAL FINAL DEMAND SECTORS	39,022	19,503	67,387	30,494	-	34,016	45,494	41,011	276,927	94%
TRANSFORMATION										
ELECTRICITY,GEN.	767	-	-	-	-	1,325	19,891	-7,297	14,686	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	767	-	-	-	-	1,325	19,891	-7,297	14,686	5%
TOTAL GROSS FLOWS	39,789	19,503	67,387	30,494	-	35,341	65,385	41,011	291,613	99%
LOSSES & OMISSIONS	2,300	0	-0	-1,274	-	-1,280	-144	4,101	3,703	1%
TOTAL NET USAGE	42,089	19,503	67,386	29,219	-	34,060	65,240	37,815	295,316	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,619	1,619	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	1,619	1,619	
NET IMPORTS OF REGION	42,089	19,503	67,386	29,219	-	34,060	65,240	36,196	293,697	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 21 RICHMOND VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,575	1,368	-	6,328	-	16,869	547	25,697	65,384	18%
INDUSTRIAL	12,441	16,403	-	18,268	-	20,270	32,247	18,518	118,147	33%
TRANSPORTATION	15,968	4,665	81,622	13,367	-	1,756	11	-	117,389	33%
MISCELLANEOUS USES	866	471	-	19	-	1,473	7	759	3,595	1%
TOTAL FINAL DEMAND SECTORS	43,850	22,907	81,622	37,982	-	40,368	32,812	44,974	304,515	86%
TRANSFORMATION										
ELECTRICITY GEN.	587	3,398	-	-	-	1,498	65,718	-23,723	47,478	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	587	3,398	-	-	-	1,498	65,718	-23,723	47,478	13%
TOTAL GROSS FLOWS	44,437	26,305	81,622	37,982	-	41,866	98,530	44,974	351,993	99%
LOSSES & OMISSIONS	2,569	0	-0	-1,587	-	-1,516	-217	4,497	3,746	1%
TOTAL NET USAGE	47,006	26,305	81,621	36,394	-	40,349	98,312	25,748	355,739	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,737	1,737	3%
NUCLEAR	-	-	-	-	-	-	-	61,174	61,174	97%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	62,911	62,911	
NET IMPORTS OF REGION	47,006	26,305	81,621	36,394	-	40,349	98,312	-37,162	292,828	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 22 NORFOLK-PORTSMOUTH VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,252	1,409	-	7,950	-	18,141	614	29,351	74,717	22%
INDUSTRIAL	6,347	15,995	-	13,262	-	7,470	13,938	13,877	70,889	21%
TRANSPORTATION	11,598	9,574	97,410	27,642	-	3,662	13	-	149,999	45%
MISCELLANEOUS USES	1,759	960	-	52	-	3,236	20	3,189	9,216	3%
TOTAL FINAL DEMAND SECTORS	37,956	27,938	97,410	48,906	-	32,509	14,585	46,417	304,821	91%
TRANSFORMATION										
ELECTRICITY GEN.	3,031	15,069	-	-	-	1,333	933	-6,228	14,138	4%
PETROLEUM PRODUCTS	-45,255	-5,517	-52,177	-22,159	124,481	924	-	-	297	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	4%
NET FUEL USED IN TRANSFORMATION	-42,224	9,552	-52,177	103,086	124,481	-110,717	933	-6,228	26,705	8%
TOTAL GROSS FLOWS	40,087	43,007	97,410	174,151	124,481	34,756	15,518	46,417	331,526	99%
LOSSES & OMISSIONS	2,317	0	-0	-7,279	6,214	-1,259	-34	4,642	4,601	1%
TOTAL NET USAGE	-2,850	37,490	45,232	144,712	130,695	-79,468	15,483	44,831	336,127	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	78	78	0%
NUCLEAR	-	-	-	-	-	-	-	25,751	25,751	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	25,829	25,829	
NET IMPORTS OF REGION	-2,850	37,490	45,232	144,712	130,695	-79,468	15,483	19,002	310,298	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =69.42%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 23 RALEIGH NORTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	30,826	3,140	-	17,622	-	13,465	387	59,691	125,131	19%
INDUSTRIAL	10,150	14,795	-	17,578	-	24,115	16,052	36,082	118,772	18%
TRANSPORTATION	10,905	237	141,088	3,372	-	773	-	-	156,375	24%
MISCELLANEOUS USES	1,580	399	-	97	-	1,845	7	1,068	5,496	1%
TOTAL FINAL DEMAND SECTORS	53,461	19,071	141,088	38,669	-	40,198	16,446	96,841	405,774	62%
TRANSFORMATION										
ELECTRICITY GEN.	15,773	-	-	-	-	6	356,153	-128,076	243,856	37%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	15,773	-	-	-	-	6	356,153	-128,076	243,856	37%
TOTAL GROSS FLOWS	69,234	19,071	141,088	38,669	-	40,204	372,599	96,841	649,630	99%
LOSSES & OMISSIONS	4,002	0	-0	-1,616	-	-1,456	-820	9,685	9,794	1%
TOTAL NET USAGE	73,236	19,071	141,087	37,052	-	38,747	371,778	-21,549	659,424	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	5,388	5,388	36%
NUCLEAR	-	-	-	-	-	-	-	9,449	9,449	64%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	14,837	14,837	
NET IMPORTS OF REGION	73,236	19,071	141,087	37,052	-	38,747	371,778	-36,386	644,587	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 24 WILMINGTON NORTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,456	683	-	5,015	-	3,480	108	15,216	32,958	22%
INDUSTRIAL	3,440	6,408	-	10,177	-	10,195	5,010	10,742	45,972	31%
TRANSPORTATION	2,616	205	40,455	3,004	-	696	-	-	46,976	31%
MISCELLANEOUS USES	805	458	-	56	-	905	4	639	2,867	2%
TOTAL FINAL DEMAND SECTORS	15,317	7,754	40,455	18,252	-	15,276	5,122	26,597	128,773	86%
TRANSFORMATION										
ELECTRICITY GEN.	4,316	19,296	-	-	-	2	3,892	-9,204	18,302	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,316	19,296	-	-	-	2	3,892	-9,204	18,302	12%
TOTAL GROSS FLOWS	19,633	27,050	40,455	18,252	-	15,278	9,014	26,597	147,075	98%
LOSSES & OMISSIONS	1,135	0	-0	-762	-	-553	-19	2,659	2,459	2%
TOTAL NET USAGE	20,768	27,050	40,454	17,489	-	14,724	8,994	20,052	149,534	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	20	20	0%
NUCLEAR	-	-	-	-	-	-	-	16,914	16,914	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	16,934	16,934	
NET IMPORTS OF REGION	20,768	27,050	40,454	17,489	-	14,724	8,994	3,118	132,600	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.54%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 25 GREENSBORO-WINSTON SALEM-HIGH POINT N.C. 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	20,237	1,915	-	11,667	-	9,063	272	38,188	81,392	19%
INDUSTRIAL	9,538	13,502	-	15,120	-	24,477	19,846	36,660	119,193	28%
TRANSPORTATION	14,319	265	94,943	2,830	-	617	-	-	112,974	27%
MISCELLANEOUS USES	398	227	-	19	-	494	1	201	1,340	0%
TOTAL FINAL DEMAND SECTORS	44,592	15,909	94,943	29,636	-	34,651	20,119	75,049	314,899	75%
TRANSFORMATION										
ELECTRICITY GEN.	11,817	-	-	-	-	70	138,926	-52,066	98,747	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	11,817	-	-	-	-	70	138,926	-52,066	98,747	23%
TOTAL GROSS FLOWS	56,409	15,909	94,943	29,636	-	34,721	159,045	75,049	413,646	98%
LOSSES & OMISSIONS	3,261	0	-0	-1,238	-	-1,257	-350	7,505	7,920	2%
TOTAL NET USAGE	59,670	15,909	94,942	28,397	-	33,463	158,694	30,488	421,566	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,852	2,852	18%
NUCLEAR	-	-	-	-	-	-	-	13,439	13,439	82%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	16,291	16,291	
NET IMPORTS OF REGION	59,670	15,909	94,942	28,397	-	33,463	158,694	14,197	405,275	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.48%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 26 CHARLOTTE NORTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	26,633	2,594	-	15,881	-	12,527	358	53,116	111,109	17%
INDUSTRIAL	12,748	20,596	-	28,876	-	43,352	29,792	52,923	188,287	29%
TRANSPORTATION	25,106	1,466	128,025	5,006	-	1,125	-	-	160,728	24%
MISCELLANEOUS USES	523	298	-	25	-	647	1	263	1,757	0%
TOTAL FINAL DEMAND SECTORS	65,010	24,954	128,025	49,788	-	57,651	30,151	106,302	461,881	70%
TRANSFORMATION										
ELECTRICITY GEN.	17,329	-	-	-	-	7	268,273	-98,481	187,128	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	17,329	-	-	-	-	7	268,273	-98,481	187,128	28%
TOTAL GROSS FLOWS	82,339	24,954	128,025	49,788	-	57,658	298,424	106,302	649,009	98%
LOSSES & OMISSIONS	4,760	0	-0	-2,081	-	-2,088	-657	10,631	10,564	2%
TOTAL NET USAGE	87,099	24,954	128,024	47,706	-	55,569	297,766	18,452	659,573	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	10,313	10,313	17%
NUCLEAR	-	-	-	-	-	-	-	48,989	48,989	83%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	59,302	59,302	
NET IMPORTS OF REGION	87,099	24,954	128,024	47,706	-	55,569	297,766	-40,849	600,271	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.52%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 27 ASHEVILLE NORTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,344	651	-	4,297	-	3,095	92	13,663	29,142	21%
INDUSTRIAL	4,321	7,973	-	5,229	-	8,625	7,470	12,145	45,763	34%
TRANSPORTATION	3,167	93	34,569	1,344	-	309	-	-	39,482	29%
MISCELLANEOUS USES	229	130	-	11	-	283	1	114	768	1%
TOTAL FINAL DEMAND SECTORS	15,061	8,847	34,569	10,881	-	12,312	7,563	25,922	115,155	84%
TRANSFORMATION										
ELECTRICITY GEN.	4,172	-	-	-	-	2	24,074	-9,802	18,446	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,172	-	-	-	-	2	24,074	-9,802	18,446	14%
TOTAL GROSS FLOWS	19,233	8,847	34,569	10,881	-	12,314	31,637	25,922	133,601	98%
LOSSES & OMISSIONS	1,111	0	-0	-454	-	-446	-69	2,592	2,733	2%
TOTAL NET USAGE	20,344	8,847	34,568	10,426	-	11,867	31,567	18,712	136,334	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9,374	9,374	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	9,374	9,374	
NET IMPORTS OF REGION	20,344	8,847	34,568	10,426	-	11,867	31,567	9,338	126,960	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.30%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 28 GREENVILLE SOUTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,916	330	-	8,453	-	8,528	216	26,866	53,309	17%
INDUSTRIAL	5,061	8,917	-	24,494	-	42,493	22,097	37,910	140,972	45%
TRANSPORTATION	9,844	2,857	72,037	1,159	-	229	-	-	86,126	28%
MISCELLANEOUS USES	213	121	-	10	-	271	1	109	725	0%
TOTAL FINAL DEMAND SECTORS	24,034	12,225	72,037	34,116	-	51,521	22,314	64,885	281,132	90%
TRANSFORMATION										
ELECTRICITY GEN.	10,476	991	-	-	-	4	26,163	-13,164	24,470	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	10,476	991	-	-	-	4	26,163	-13,164	24,470	8%
TOTAL GROSS FLOWS	34,510	13,216	72,037	34,116	-	51,525	48,477	64,885	305,602	98%
LOSSES & OMISSIONS	1,995	0	-0	-1,426	-	-1,865	-106	6,489	5,035	2%
TOTAL NET USAGE	36,505	13,216	72,036	32,689	-	49,658	48,370	58,210	310,637	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,156	3,156	7%
NUCLEAR	-	-	-	-	-	-	-	40,873	40,873	93%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY		-	-	-	-	-	-	44,029	44,029	
NET IMPORTS OF REGION	36,505	13,216	72,035	32,689	-	49,658	48,370	14,181	266,658	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.02%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 29 COLUMBIA SOUTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,881	334	-	6,466	-	7,184	166	22,416	43,447	18%
INDUSTRIAL	3,095	4,861	-	15,733	-	21,456	12,907	20,575	78,627	33%
TRANSPORTATION	5,841	2,926	54,809	1,169	-	233	-	-	64,978	28%
MISCELLANEOUS USES	544	309	-	45	-	975	2	490	2,365	1%
TOTAL FINAL DEMAND SECTORS	16,361	8,430	54,809	23,413	-	29,848	13,075	43,481	189,417	80%
TRANSFORMATION										
ELECTRICITY GEN.	7,162	1,270	-	-	-	3	57,555	-22,810	43,180	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	7,162	1,270	-	-	-	3	57,555	-22,810	43,180	18%
TOTAL GROSS FLOWS	23,523	9,700	54,809	23,413	-	29,851	70,630	43,481	232,597	99%
LOSSES & OMISSIONS	1,359	0	-0	-978	-	-1,081	-155	4,348	3,492	1%
TOTAL NET USAGE	24,882	9,700	54,808	22,434	-	28,769	70,474	25,019	236,089	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9,322	9,322	50%
NUCLEAR	-	-	-	-	-	-	-	9,449	9,449	50%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	18,771	18,771	
NET IMPORTS OF REGION	24,882	9,700	54,808	22,434	-	28,769	70,474	6,248	217,318	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.43%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 30 FLORENCE SOUTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,500	197	-	4,255	-	4,525	109	14,049	27,635	14%
INDUSTRIAL	4,522	10,216	-	7,327	-	13,349	8,978	23,033	67,425	33%
TRANSPORTATION	4,840	3,770	36,181	1,498	-	301	-	-	46,590	23%
MISCELLANEOUS USES	216	124	-	12	-	291	1	124	768	0%
TOTAL FINAL DEMAND SECTORS	14,078	14,307	36,181	13,092	-	18,466	9,088	37,206	142,418	70%
TRANSFORMATION										
ELECTRICITY GEN.	14,325	4,646	-	-	-	2	66,545	-29,633	55,885	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	14,325	4,646	-	-	-	2	66,545	-29,633	55,885	28%
TOTAL GROSS FLOWS	28,403	18,953	36,181	13,092	-	18,468	75,533	37,206	198,303	98%
LOSSES & OMISSIONS	1,642	0	-0	-547	-	-668	-166	3,720	3,980	2%
TOTAL NET USAGE	30,045	18,953	36,180	12,544	-	17,799	75,466	11,293	202,283	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	28	28	0%
NUCLEAR	-	-	-	-	-	-	-	6,982	6,982	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	7,010	7,010	
NET IMPORTS OF REGION	30,045	18,953	36,180	12,544	-	17,799	75,466	4,283	195,273	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.35%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 31 CHARLESTON SOUTH CAROLINA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,733	204	-	4,482	-	4,799	114	15,095	29,427	18%
INDUSTRIAL	1,533	3,392	-	4,673	-	7,608	4,207	10,435	31,848	20%
TRANSPORTATION	4,133	4,635	38,098	1,837	-	370	-	-	49,073	30%
MISCELLANEOUS USES	608	347	-	54	-	1,143	2	586	2,740	2%
TOTAL FINAL DEMAND SECTORS	11,007	8.578	38,098	11,046	-	13,920	4,323	26,116	113,088	70%
TRANSFORMATION										
ELECTRICITY GEN.	4,289	23,725	-	-	-	2	42,680	-23,952	46,744	29%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,289	23,725	-	-	-	2	42,680	-23,952	46,744	29%
TOTAL GROSS FLOWS	15,296	32,303	38,098	11,046	-	13,922	47,003	26,116	159,832	99%
LOSSES & OMISSIONS	884	0	-0	-461	-	-504	-103	2,611	2,427	1%
TOTAL NET USAGE	16,180	32,303	38,097	10,584	-	13,417	46,899	4,775	162,259	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,602	1,602	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	1,602	1,602	
NET IMPORTS OF REGION	16,180	32,303	38,097	10,584	-	13,417	46,899	3,173	160,657	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 32 AUGUSTA GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,526	552	-	3,827	-	6,435	49	12,509	26,898	18%
INDUSTRIAL	3,354	6,994	-	9,022	-	20,310	7,975	15,601	63,256	42%
TRANSPORTATION	3,834	608	35,480	2,004	-	156	-	-	42,082	28%
MISCELLANEOUS USES	499	284	-	29	-	694	1	155	1,662	1%
TOTAL FINAL DEMAND SECTORS	11,213	8,438	35,480	14,882	-	27,595	8,025	28,265	133,898	89%
TRANSFORMATION										
ELECTRICITY GEN.	6,208	-	-	-	-	2	17,037	-8,135	15,112	10%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,208	-	-	-	-	2	17,037	-8,135	15,112	10%
TOTAL GROSS FLOWS	17,421	8,438	35,480	14,882	-	27,597	25,062	28,265	149,010	99%
LOSSES & OMISSIONS	1,007	0	-0	-622	-	-999	-55	2,826	2,157	1%
TOTAL NET USAGE	18,428	8,438	35,479	14,259	-	26,597	25,006	22,956	151,167	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	121	121	0%
NUCLEAR	-	-	-	-	-	-	-	24,148	24,148	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	24,269	24,269	
NET IMPORTS OF REGION	18,428	8,438	35,479	14,259	-	26,597	25,006	-1,312	126,898	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.01%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 33 SAVANNAH GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,983	745	-	3,463	-	7,335	19	11,811	26,356	18%
INDUSTRIAL	2,724	7,083	-	7,210	-	13,107	4,687	10,492	45,303	32%
TRANSPORTATION	4,800	367	33,624	7,577	-	485	-	-	46,853	33%
MISCELLANEOUS USES	388	221	-	21	-	515	1	145	1,291	1%
TOTAL FINAL DEMAND SECTORS	10,895	8,416	33,624	18,271	-	21,442	4,707	22,448	119,803	83%
TRANSFORMATION										
ELECTRICITY GEN.	3,682	22,858	-	-	-	1,107	3,284	-10,250	20,681	14%
PETROLEUM PRODUCTS	-11,100	-1,353	-12,798	-5,435	30,533	226	-	-	73	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-7,418	21,504	-12,798	-5,435	30,533	1,333	3,284	-10,250	20,754	14%
TOTAL GROSS FLOWS	14,577	31,274	33,624	18,271	30,533	22,775	7,991	22,448	140,557	98%
LOSSES & OMISSIONS	842	0	-0	-763	1,524	-825	-17	2,245	3,006	2%
TOTAL NET USAGE	4,319	29,921	20,825	12,071	32,057	21,950	7,973	14,443	143,563	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	16	16	0%
NUCLEAR	-	-	-	-	-	-	-	25,082	25,082	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	25,098	25,098	
NET IMPORTS OF REGION	4,319	29,921	20,825	12,071	32,057	21,950	7,973	-10,654	118,465	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.86%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 34 JACKSONVILLE FLORIDA 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,558	2,200	-	11,653	-	7,810	259	50,969	81,449	20%
INDUSTRIAL	11,391	25,894	-	10,033	-	23,152	11,924	16,617	99,021	24%
TRANSPORTATION	23,333	1,341	108,757	18,439	-	1,152	1	-	153,033	37%
MISCELLANEOUS USES	1,188	675	-	70	-	1,402	4	928	4,267	1%
TOTAL FINAL DEMAND SECTORS	44,470	30,110	108,757	40,195	-	33,536	12,188	68,514	337,770	82%
TRANSFORMATION										
ELECTRICITY GEN.	15,319	72,818	-	-	-	5	10,026	-32,779	65,389	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	15,319	72,818	-	-	-	5	10,026	-32,779	65,389	16%
TOTAL GROSS FLOWS	59,789	102,928	108,757	40,195	-	33,541	22,214	68,514	403,159	98%
LOSSES & OMISSIONS	3,456	2	-0	-1,680	-	-1,214	-48	6,852	7,366	2%
TOTAL NET USAGE	63,245	102,930	108,756	38,514	-	32,326	22,165	42,587	410,525	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	52	52	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	52	52	
NET IMPORTS OF REGION	63,245	102,930	108,756	38,514	-	32,326	22,165	42,535	410,473	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.61%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 35 ORLANDO FLORIDA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,415	2,128	-	11,861	-	5,463	292	53,066	81,225	24%
INDUSTRIAL	3,651	3,584	-	6.350	-	7,337	7,883	10,821	39,626	12%
TRANSPORTATION	10,419	1,580	110,165	20,301	-	1,285	-	-	143,750	42%
MISCELLANEOUS USES	1,162	662	-	61	-	1,399	5	761	4,050	1%
TOTAL FINAL DEMAND SECTORS	23,647	7,954	110,165	38,573	-	15,484	8,180	64,648	268,651	79%
TRANSFORMATION										
ELECTRICITY GEN.	10,855	76,256	-	-	-	4	9,460	-32,058	64,517	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	10,855	76,256	-	-	-	4	9,460	-32,058	64,517	19%
TOTAL GROSS FLOWS	34,502	84,210	110,165	38,573	-	15,488	17,640	64,648	333,168	98%
LOSSES & OMISSIONS	1,994	1	-0	-1,612	-	-561	-38	6,465	6,249	2%
TOTAL NET USAGE	36,496	84,211	110,164	36,960	-	14,926	17,601	39,055	339,417	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	104	-	-	-	104	68%
HYDROELECTRIC	-	-	-	-	-	-	-	49	49	32%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	104	-	-	49	153	
NET IMPORTS OF REGION	36,496	84.211	110,164	36,960	-104	14,926	17,601	39,006	339,264	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 36 MIAMI FLORDIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,190	5,407	-	32,114	-	14,314	791	140,712	215,528	23%
INDUSTRIAL	9,930	10,756	-	14,051	-	24,927	10,652	21,909	92,225	10%
TRANSPORTATION	20,476	11,036	299,014	141,675	-	8,975	-	-	481,176	51%
MISCELLANEOUS USES	1,715	976	-	88	-	2,075	6	1,073	5,933	1%
TOTAL FINAL DEMAND SECTORS	54,311	28,175	299,014	187,928	-	50,291	11,449	163,694	794,862	84%
TRANSFORMATION										
ELECTRICITY GEN.	27,116	155,547	-	-	-	1,350	23,954	-69,221	138,746	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	27,116	155,547	-	-	-	1,350	23,954	-69,221	138,746	15%
TOTAL GROSS FLOWS	81,427	183,722	299,014	187,928	-	51,641	35,403	163,694	933,608	99%
LOSSES & OMISSIONS	4,707	4	-0	-7,855	-	-1,870	-77	16,371	11,277	1%
TOTAL NET USAGE	86,134	183,726	299,013	180,072	-	49,770	35,325	110,844	944,885	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	90,256	1,705	-	-	91,961	68%
HYDROELECTRIC	-	-	-	-	-	-	-	125	125	0%
NUCLEAR	-	-	-	-	-	-	-	42,794	42,794	32%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	90,256	1,705	-	42,919	134,880	
NET IMPORTS OF REGION	86,134	183,726	299,013	180,072	-90,256	48,065	35,325	67,925	810,005	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.72%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 37 TAMPA-SAINT PETERSBURG FLORIDA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,226	4,029	-	25,616	-	11,041	626	109,814	168,352	20%
INDUSTRIAL	13,184	14,062	-	17,829	-	30,213	13,845	23,373	112,506	14%
TRANSPORTATION	21,609	2,116	239,107	27,216	-	1,721	1	-	291,770	35%
MISCELLANEOUS USES	1,327	755	-	67	-	1,616	4	779	4,548	1%
TOTAL FINAL DEMAND SECTORS	53,346	20,962	239,107	70,728	-	44,591	14,476	133,966	577,176	70%
TRANSFORMATION										
ELECTRICITY GEN.	22,255	168,680	-	-	-	9	168,484	-120,922	238,506	29%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	22,255	168,680	-	-	-	9	168,484	-120,922	238,506	29%
TOTAL GROSS FLOWS	75,601	189,642	239,107	70,728	-	44,600	182,960	133,966	815,682	98%
LOSSES & OMISSIONS	4,370	4	-0	-2,956	-	-1,615	-403	13,398	12,797	2%
TOTAL NET USAGE	79,971	189,646	239,106	67,771	-	42,984	182,556	26,442	828,479	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	15,936	375	-	-	16,311	65%
HYDROELECTRIC	-	-	-	-	-	-	-	102	102	0%
NUCLEAR	-	-	-	-	-	-	-	8,662	8,662	35%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	15,936	375	-	8,764	25,075	
NET IMPORTS OF REGION	79,971	189,646	239,106	67,771	-15,936	42,609	182,556	17,678	803,404	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.36%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 38 TALLAHASSEE FLORIDA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,856	734	-	3,971	-	1,854	97	17,939	27,461	17%
INDUSTRIAL	3,218	6,612	-	3,274	-	5,693	2,546	4,513	25,856	16%
TRANSPORTATION	2,924	460	36,856	5,917	-	374	-	-	46,531	29%
MISCELLANEOUS USES	622	354	-	31	-	750	1	356	2,124	1%
TOTAL FINAL DEMAND SECTORS	9,620	8,160	36,856	13,193	-	8,691	2,644	22,808	101,972	63%
TRANSFORMATION										
ELECTRICITY GEN.	3,719	28,836	-	-	-	1	53,579	-29,146	56,989	35%
PETROLEUM PRODUCTS	-4,867	-593	-5,611	-2,383	13,387	99	-	-	31	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,148	28,242	-5,611	-2,383	13,387	100	53,579	-29,146	57,020	35%
TOTAL GROSS FLOWS	13,339	36,996	36,856	13,193	13,387	8,791	56,223	22,808	158,992	98%
LOSSES & OMISSIONS	771	0	-0	-551	668	-318	-123	2,281	2,727	2%
TOTAL NET USAGE	9,243	36,403	31,244	10,258	14,055	8,472	56,099	-4,056	161,720	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	389	389	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	389	389	
NET IMPORTS OF REGION	9,243	36,403	31,244	10,258	14,055	8,472	56,099	-4,445	161,331	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =56.16%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 39 PENSACOLA FLORIDA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,305	476	-	3,784	-	2,041	86	15,369	24,061	12%
INDUSTRIAL	4,442	8,870	-	21,390	-	30,320	5,418	14,022	84,462	44%
TRANSPORTATION	3,199	1,214	35,459	12,078	-	796	-	-	52,746	27%
MISCELLANEOUS USES	668	380	-	46	-	744	2	715	2,555	1%
TOTAL FINAL DEMAND SECTORS	10,614	10,940	35,459	37,298	-	33,901	5,506	30,106	163,824	85%
TRANSFORMATION										
ELECTRICITY GEN.	4,852	-	-	-	-	5,445	33,821	-15,012	29,106	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,852	-	-	-	-	5,445	33,821	-15,012	29,106	15%
TOTAL GROSS FLOWS	15,466	10,940	35,459	37,298	-	39,346	39,327	30,106	192,930	100%
LOSSES & OMISSIONS	894	0	-0	-1,559	-	-1,425	-86	3,010	834	0%
TOTAL NET USAGE	16,360	10,940	35,458	35,738	-	37,920	39,240	18,104	193,764	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	782,089	239,690	-	-	1,021,779	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	782,089	239,690	-	23	1,021,802	
NET IMPORTS OF REGION	16,360	10,940	35,458	35,738	-782,089	-201,769	39,240	18,081	-828,037	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.97%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 40 MONTGOMERY ALABAMA 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,270	338	-	5,989	-	12,756	82	23,471	44,906	23%
INDUSTRIAL	1,378	1,660	-	2,893	-	17,836	8,769	16,548	49,084	25%
TRANSPORTATION	14,805	11,550	54,473	5,484	-	1,624	-	-	87,936	45%
MISCELLANEOUS USES	718	410	-	47	-	1,255	3	335	2,768	1%
TOTAL FINAL DEMAND SECTORS	19,171	13,958	54,473	14,413	-	33,471	8,854	40,354	184,694	94%
TRANSFORMATION										
ELECTRICITY GEN.	6,495	-	-	-	-	423	5,905	-4,545	8,278	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,495	-	-	-	-	423	5,905	-4,545	8,278	4%
TOTAL GROSS FLOWS	25,666	13,958	54,473	14,413	-	33,894	14,759	40,354	192,972	98%
LOSSES & OMISSIONS	1,483	0	-0	-602	-	-1,227	-32	4,035	3,657	2%
TOTAL NET USAGE	27,149	13,958	54,472	13,810	-	32,666	14,726	39,844	196,629	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	10,088	10,088	36%
NUCLEAR	-	-	-	-	-	-	-	17,722	17,722	64%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	27,810	27,810	
NET IMPORTS OF REGION	27,149	13,958	54,472	13,810	-	32,666	14,726	12,034	168,819	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 41 ALBANY GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,464	877	-	4,111	-	8,775	24	13,852	31,103	24%
INDUSTRIAL	2,493	3,716	-	3,234	-	11,451	4,945	11,087	36,926	28%
TRANSPORTATION	4,256	26	40,090	2,671	-	165	-	-	47,208	36%
MISCELLANEOUS USES	386	219	-	20	-	502	1	157	1,285	1%
TOTAL FINAL DEMAND SECTORS	10,599	4,838	40,090	10,036	-	20,893	4,970	25,096	116,522	89%
TRANSFORMATION										
ELECTRICITY GEN.	4,100	-	-	-	-	2	14,303	-6,420	11,985	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,100	-	-	-	-	2	14,303	-6,420	11,985	9%
TOTAL GROSS FLOWS	14,699	4,838	40,090	10,036	-	20,895	19,273	25,096	128,507	98%
LOSSES & OMISSIONS	849	0	-0	-419	-	-756	-42	2,509	2,140	2%
TOTAL NET USAGE	15,548	4,838	40,089	9,616	-	20,138	19,230	21,185	130,647	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,976	1,976	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	1,976	1,976	
NET IMPORTS OF REGION	15,548	4,838	40,089	9,616	-	20,138	19,230	19,209	128,671	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 42 MACON GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,723	978	-	4,297	-	9,325	26	14,956	33,305	11%
INDUSTRIAL	3,056	4,621	-	3,947	-	12,941	3,565	9,652	37,782	12%
TRANSPORTATION	4,672	28	41,809	2,924	-	180	-	-	49,613	16%
MISCELLANEOUS USES	682	387	-	33	-	862	2	311	2,277	1%
TOTAL FINAL DEMAND SECTORS	12,133	6,014	41,809	11,201	-	23,308	3,593	24,919	122,977	40%
TRANSFORMATION										
ELECTRICITY GEN.	4,027	-	-	-	-	2	273,546	-95,391	182,184	59%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,027	-	-	-	-	2	273,546	-95,391	182,184	59%
TOTAL GROSS FLOWS	16,160	6,014	41,809	11,201	-	23,310	277,139	24,919	305,161	100%
LOSSES & OMISSIONS	934	0	-0	-468	-	-844	-610	2,492	1,503	0%
TOTAL NET USAGE	17,094	6,014	41,808	10,732	-	22,465	276,528	-67,979	306,664	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,647	3,647	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	3,647	3,647	
NET IMPORTS OF REGION	17,094	6,014	41,808	10,732	-	22,465	276,528	-71,626	303,017	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.63%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 43 COLUMBUS GEORGIA-ALABAMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,496	562	-	3,705	-	7,714	27	12,876	27,380	23%
INDUSTRIAL	1,340	2,437	-	5,064	-	14,699	8,172	10,974	42,686	36%
TRANSPORTATION	4,053	222	35,441	1,094	-	91	-	-	40,901	34%
MISCELLANEOUS USES	654	372	-	39	-	920	2	188	2,175	2%
TOTAL FINAL DEMAND SECTORS	8,543	3,593	35,441	9,902	-	23,424	8,201	24,038	113,142	94%
TRANSFORMATION										
ELECTRICITY GEN.	3,869	-	-	-	-	2	3,518	-2,633	4,756	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,869	-	-	-	-	2	3,518	-2,633	4,756	4%
TOTAL GROSS FLOWS	12,412	3,593	35,441	9,902	-	23,426	11,719	24,038	117,898	98%
LOSSES & OMISSIONS	717	0	-0	-413	-	-848	-25	2,404	1,833	2%
TOTAL NET USAGE	13,129	3,593	35,440	9,488	-	22,577	11,693	23,809	119,731	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,973	3,973	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	3,973	3,973	
NET IMPORTS OF REGION	13,129	3,593	35,440	9,488	-	22,577	11,693	19,836	115,758	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.37%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 44 ATLANTA GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	24,887	7,607	-	24,985	-	59,032	168	97,088	213,757	19%
INDUSTRIAL	10,331	20,152	-	28,896	-	72,567	25,484	46,841	205,271	18%
TRANSPORTATION	52,205	838	240,674	85,026	-	5,262	1	-	384,006	35%
MISCELLANEOUS USES	2,048	1,165	-	98	-	2,554	6	981	6,852	1%
TOTAL FINAL DEMAND SECTORS	89,471	29,762	240,674	139,005	-	139,415	25,659	144,910	809,896	73%
TRANSFORMATION										
ELECTRICITY GEN.	23,421	-	-	-	-	2,830	420,429	-153,797	292,883	26%
PETROLEUM PRODUCTS	-4,269	-520	-4,922	-2,090	11,743	87	-	-	27	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	19,151	-520	-4,922	-2,090	11,743	2,917	420,429	-153,797	292,910	26%
TOTAL GROSS FLOWS	112,892	29,762	240,674	139,005	11,743	142,332	447,088	144,910	1,102,806	99%
LOSSES & EMISSIONS	6,526	0	-0	-5,810	586	-5,155	-984	14,492	9,654	1%
TOTAL NET USAGE	115,149	29,242	235,750	131,103	12,329	137,176	446,103	5,605	1,112,451	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	12,687	12,687	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	12,687	12,687	
NET IMPORTS OF REGION	115,149	29,242	235,750	131,103	12,329	137,176	446,103	-7,081	1,099,774	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.57%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 45 BIRMINGHAM ALABAMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,990	864	-	14,763	-	31,978	230	58,501	112,326	14%
INDUSTRIAL	4,559	5,612	-	27,155	-	73,491	62,626	55,867	229,310	29%
TRANSPORTATION	34,391	4,683	134,484	2,562	-	752	1	-	176,873	22%
MISCELLANEOUS USES	895	510	-	48	-	1,258	3	445	3,159	0%
TOTAL FINAL DEMAND SECTORS	45,835	11,669	134,484	44,528	-	107,479	62,860	114,813	521,668	66%
TRANSFORMATION										
ELECTRICITY GEN.	18,501	-	-	-	-	7	374,141	-135,257	257,392	32%
PETROLEUM PRODUCTS	-21,278	-2,140	-35,842	-33,693	86,417	7,372	-	-	836	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-2,777	-2,140	-35,842	-33,693	86,417	7,379	374,141	-135,257	258,228	33%
TOTAL GROSS FLOWS	64,336	11,669	134,484	44,528	86,417	114,858	437,001	114,813	779,896	98%
LOSSES & OMISSIONS	3,719	0	-0	-1,861	4,314	-4,160	-962	11,482	12,531	2%
TOTAL NET USAGE	46,777	9,529	98,641	8,973	90,731	110,697	436,038	-8,961	792,427	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,876	5,724	348,658	-	356,258	97%
HYDROELECTRIC	-	-	-	-	-	-	-	10,689	10,689	3%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1,876	5,724	348,658	10,689	366,947	
NET IMPORTS OF REGION	46,777	9,529	98,641	8,973	88,855	104,973	87,380	-19,650	425,480	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.55%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 46 MEMPHIS TENNESSEE-ARKANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,847	1,379	-	16,173	-	37,675	417	60,234	123,725	19%
INDUSTRIAL	10,485	26,582	-	50,557	-	70,651	22,990	59,600	240,855	36%
TRANSPORTATION	39,613	232	134,290	12,608	-	1,462	1	-	188,206	28%
MISCELLANEOUS USES	1,074	740	-	52	-	1,392	3	415	3,676	1%
TOTAL FINAL DEMAND SECTORS	59,019	28,933	134,290	79,390	-	111,180	23,411	120,249	556,472	84%
TRANSFORMATION										
ELECTRICITY GEN.	18,196	-	-	-	-	26,372	95,904	-48,328	93,144	14%
PETROLEUM PRODUCTS	-22,995	-9,840	-42,555	-19,753	91,305	4,602	-	-	754	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-4,799	-9,840	-42,555	-19,753	91,305	30,974	95,904	-48,328	93,908	14%
TOTAL GROSS FLOWS	77,215	28,933	134,290	79,390	91,305	142,154	120,315	120,249	650,330	98%
LOSSES & OMISSIONS	4,464	0	-0	-3,318	4,558	-5,149	-265	12,026	12,315	2%
TOTAL NET USAGE	58,684	19,092	91,734	56,318	95,863	137,005	120,049	83,947	662,635	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	89	89	96%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	4	4	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	93	93	
NET IMPORTS OF REGION	58,684	19,092	91,734	56,318	95,863	137,005	120,049	83,854	662,602	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 47 HUNTSVILLE ALABAMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,337	333	-	5,944	-	12,665	106	24,410	45,795	17%
INDUSTRIAL	1,602	2,090	-	14,301	-	32,531	24,568	25,050	100,142	37%
TRANSPORTATION	7,966	2,016	53,984	2,123	-	371	-	-	66,460	24%
MISCELLANEOUS USES	990	564	-	50	-	1,311	3	482	3,400	1%
TOTAL FINAL DEMAND SECTORS	12,895	5,003	53,984	22,418	-	46,878	24,677	49,942	215,797	79%
TRANSFORMATION										
ELECTRICITY GEN.	8,039	-	-	-	-	1,517	72,950	-28,295	54,211	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	8,039	-	-	-	-	1,517	72,950	-28,295	54,211	20%
TOTAL GROSS FLOWS	20,934	5,003	53,984	22,418	-	48,395	97,627	49,942	270,008	99%
LOSSES & OMISSIONS	1,210	0	-0	-937	-	-1,753	-215	4,994	3,299	1%
TOTAL NET USAGE	22,144	5,003	53,983	21,480	-	46,641	97,411	26,641	273,307	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	16,554	16,554	22%
NUCLEAR	-	-	-	-	-	-	-	60,138	60,138	78%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	76,692	76,692	
NET IMPORTS OF REGION	22,144	5,003	53,983	21,480	-	46,641	97,411	-50,050	196,615	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 48 CHATTANOOGA TENNESSEE-GEORGIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,747	552	-	6,996	-	12,376	176	28,583	52,930	15%
INDUSTRIAL	2,609	4,245	-	21,522	-	37,244	21,650	38,455	125,725	36%
TRANSPORTATION	10,450	146	64,849	2,461	-	177	-	-	78,083	22%
MISCELLANEOUS USES	211	120	-	9	-	265	-	103	708	0%
TOTAL FINAL DEMAND SECTORS	17,017	5,063	64,849	30,988	-	50,562	21.826	67,141	257,446	74%
TRANSFORMATION										
ELECTRICITY GEN.	10,807	-	-	-	-	4	121,351	-45,643	86,519	25%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	10,807	-	-	-	-	4	121,351	-45,643	86,519	25%
TOTAL GROSS FLOWS	27,824	5,063	64,849	30,988	-	50,566	143,177	67,141	343,965	99%
LOSSES & OMISSIONS	1,608	0	-0	-1,295	-	-1,832	-315	6,714	4,880	1%
TOTAL NET USAGE	29,432	5,063	64,848	29,692	-	48,734	142,861	28,212	348,845	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	31,526	-	31,525	26%
HYDROELECTRIC	-	-	-	-	-	-	-	17,456	17,455	14%
NUCLEAR	-	-	-	-	-	-	-	74,291	74,291	60%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	31,526	91,747	123,273	
NET IMPORTS OF REGION	29,432	5,063	64,348	29,692	-	48,734	111,335	-63,534	225,572	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.46%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 49 NASHVILLE TENNESSEE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,513	534	-	13,522	-	28,387	505	60,015	108,476	18%
INDUSTRIAL	1,721	2,116	-	13,182	-	35,614	24,940	52,922	130,495	21%
TRANSPORTATION	23,961	3	121,499	10,330	-	701	-	-	156,494	26%
MISCELLANEOUS USES	845	480	-	52	-	1,465	2	541	3,385	1%
TOTAL FINAL DEMAND SECTORS	32,040	3,133	121,499	37,086	-	66,167	25,447	113,478	398,850	66%
TRANSFORMATION										
ELECTRICITY GEN.	18,265	-	-	-	-	4,238	280,128	-103,705	198,926	33%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	18,265	-	-	-	-	4,238	280,128	-103,705	198,926	33%
TOTAL GROSS FLOWS	50,305	3,133	121,499	37,086	-	70,405	305,575	113,478	597,776	98%
LOSSES & OMISSIONS	2,908	0	-0	-1,550	-	-2,550	-673	11,349	9,483	2%
TOTAL NET USAGE	53,213	3,133	121,498	35,535	-	67,854	304,901	21,122	607,259	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,789	1,827	18,544	-	22,160	27%
HYDROELECTRIC	-	-	-	-	-	-	-	6,820	6,820	8%
NUCLEAR	-	-	-	-	-	-	-	51,781	51,781	64%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1,789	1,827	18,544	58,601	80,761	
NET IMPORTS OF REGION	53,213	3,133	121,498	35,535	-1,789	66,027	286,357	-37,478	526,498	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.73%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 50 KNOXVILLE TENNESSEE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,450	312	-	8,574	-	17,832	321	37,708	68,197	17%
INDUSTRIAL	1,233	1,370	-	22,996	-	31,439	25,676	44,621	127,335	32%
TRANSPORTATION	14,068	3	77,093	7,231	-	496	-	-	98,891	25%
MISCELLANEOUS USES	471	267	-	22	-	593	1	232	1,586	0%
TOTAL FINAL DEMAND SECTORS	19,222	1,952	77,093	38,823	-	50,360	25,998	82,561	296,009	74%
TRANSFORMATION										
ELECTRICITY GEN.	13,289	-	-	-	-	6	137,895	-52,235	98,955	25%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	13,289	-	-	-	-	6	137,895	-52,235	98,955	25%
TOTAL GROSS FLOWS	32,511	1,952	77,093	38,823	-	50,366	163,893	82,561	394,964	98%
LOSSES & OMISSIONS	1,879	0	-0	-1,622	-	-1,820	-361	8,256	6,328	2%
TOTAL NET USAGE	34,390	1,952	77,092	37,200	-	48,547	163,531	38,582	401,292	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,908	13,956	747,394	-	765,253	99%
HYDROELECTRIC	-	-	-	-	-	-	-	9,935	9,935	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	3,908	13,956	747,394	9,935	775,193	
NET IMPORTS OF REGION	34,390	1,952	77,092	37,200	-3,908	34,585	-583,862	28,647	-373,900	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.45%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 51 BRISTOL VIRGINIA-TENNESSEE 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,748	452	-	5,619	-	14,300	372	22,751	49,242	15%
INDUSTRIAL	9,396	3,949	-	24,893	-	29,790	23,083	37,386	128,497	40%
TRANSPORTATION	12,338	1,124	60,269	6,383	-	785	7	-	80,906	25%
MISCELLANEOUS USES	228	127	-	8	-	333	-	123	819	0%
TOTAL FINAL DEMAND SECTORS	27,710	5,652	60,269	36,903	-	45,208	23,462	60,260	259,464	80%
TRANSFORMATION										
ELECTRICITY GEN.	6,569	-	-	-	-	650	85,636	-31,739	61,116	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,569	-	-	-	-	650	85,636	-31,739	61,116	19%
TOTAL GROSS FLOWS	34,279	5,652	60,269	36,903	-	45,858	109,098	60,260	320,580	99%
LOSSES & OMISSIONS	1,981	0	-0	-1,542	-	-1,661	-240	6,026	4,564	1%
TOTAL NET USAGE	36,260	5,652	60,268	35,360	-	44,196	108,857	34,547	325,144	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	923	4,118	1,510,674	-	1,515,715	97%
HYDROELECTRIC	-	-	-	-	-	-	-	2,495	2,495	0%
NUCLEAR	-	-	-	-	-	-	-	51,792	51,792	3%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	923	4,118	1,510,674	54,287	1,570,002	
NET IMPORTS OF REGION	36,260	5,652	60,268	35,360	-923	40,078	-1,401,816	-19,739	-1,244,857	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 52 HUNTINGTON-ASHLAND WEST VIRGINIA-KENTUCKY-OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,714	974	-	3,109	-	50,585	839	24,433	91,654	11%
INDUSTRIAL	7,088	4,531	-	32,031	-	50,430	108,955	72,831	275,876	33%
TRANSPORTATION	26,105	55	82,465	2,815	-	1,785	26	8	113,259	14%
MISCELLANEOUS USES	641	357	-	17	-	651	3	294	2,163	0%
TOTAL FINAL DEMAND SECTORS	40,548	5,917	82,465	42,972	-	103,651	109,833	97,566	482,952	58%
TRANSFORMATION										
ELECTRICITY GEN.	5,166	-	-	-	-	2,132	486,611	-170,931	322,978	39%
PETROLEUM PRODUCTS	-75,317	-30,951	-136,463	-63,152	293,951	14,323	-	-	2,390	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-70,151	-30,951	-136,463	-63,152	293,951	16,455	486,611	-170,931	325,368	39%
TOTAL GROSS FLOWS	45,714	5,917	82,465	42,972	293,951	120,106	596,444	97,566	808,320	98%
LOSSES & OMISSIONS	2,642	0	-0	-1,796	14,674	-4,350	-1,313	9,757	19,614	2%
TOTAL NET USAGE	-26,960	-25,033	-53,999	-21,977	308,626	115,755	595,130	-63,607	827,934	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	12,240	6,437	2,969,859	-	2,988,536	100%
HYDROELECTRIC	-	-	-	-	-	-	-	444	444	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	4	4	0%
TOTAL SUPPLY	-	-	-	-	12,240	6,437	2,969,859	448	2,988,984	
NET IMPORTS OF REGION	-26,960	-25,033	-53,999	-21,977	296,386	109,318	-2,374,728	-64,055	-2,161,049	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =55.39%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.73%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS . = 0.0 %

EEA ECONOMIC AREA 53 LEXINGTON KENTUCKY 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,052	276	-	7,474	-	27,085	253	25,874	64,014	23%
INDUSTRIAL	895	621	-	2,650	-	17,735	10,134	31,590	63,625	23%
TRANSPORTATION	13,294	11	64,353	4,598	-	382	-	-	82,638	29%
MISCELLANEOUS USES	840	478	-	39	-	1,051	3	420	2,831	1%
TOTAL FINAL DEMAND SECTORS	18,081	1,386	64,353	14,761	-	46,253	10,390	57,884	213,108	75%
TRANSFORMATION										
ELECTRICITY GEN.	9,345	16,695	-	-	-	4	71,428	-33,396	64,076	23%
PETROLEUM PRODUCTS	-1,571	-672	-2,908	-1,349	6,239	314	-	-	52	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	7,773	16,022	-2,908	-1,349	6,239	318	71,428	-33,396	64,128	23%
TOTAL GROSS FLOWS	27,426	18,081	64,353	14,761	6,239	46,571	81,818	57,884	277,236	98%
LOSSES & OMISSIONS	1,585	0	-0	-617	311	-1,686	-180	5,789	5,202	2%
TOTAL NET USAGE	27,440	17,408	61,444	12,794	6,550	44,884	81,637	30,277	282,438	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	15,200	17,710	894,629	-	927,539	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,258	3,258	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	15,200	17,710	894,629	3,258	930,797	
NET IMPORTS OF REGION	27,440	17,408	61,444	12,794	-8,649	27,174	-812,991	27,019	-648,358	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.74%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.79%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 54 LOUISVILLE KENTUCKY-INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,357	1,697	-	11,171	-	39,457	391	32,548	96,661	16%
INDUSTRIAL	4,857	4,055	-	24,383	-	44,071	35,866	72,298	185,470	30%
TRANSPORTATION	26,256	35	89,526	7,061	-	478	1	4	123,411	20%
MISCELLANEOUS USES	892	511	-	56	-	1,707	2	762	3,930	1%
TOTAL FINAL DEMAND SECTORS	43,362	6,348	89,526	42,671	-	85,693	36,260	105,612	409,472	66%
TRANSFORMATION										
ELECTRICITY GEN.	15,554	1,549	-	-	-	621	282,709	-104,786	195,647	32%
PETROLEUM PRODUCTS	-13,200	-5,648	-24,428	-11,339	52,412	2,542	-	-	438	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,354	-4,099	-24,428	-11,339	52,412	3,263	282,709	-104,786	196,085	32%
TOTAL GROSS FLOWS	58,916	7,897	89,526	42,671	52,412	88,956	318,969	105,612	605,557	98%
LOSSES & OMISSIONS	3,406	0	-0	-1,783	2,616	-3,222	-702	10,562	10,876	2%
TOTAL NET USAGE	49,122	2,248	65,097	29,548	55,028	85,733	318,266	11,388	616,433	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	101	-	-	-	101	10%
HYDROELECTRIC	-	-	-	-	-	-	-	883	883	89%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	1%
TOTAL SUPPLY	-	-	-	-	101	-	-	888	989	
NET IMPORTS OF REGION	49,122	2,248	65,097	29,548	54,927	85,733	318,266	10,500	615,444	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 55 EVANSVILLE INDIANA-KENTUCKY 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,295	3,358	-	8,199	-	30,362	304	17,052	76,570	12%
INDUSTRIAL	9,397	4,729	-	14,694	-	24,266	31,028	29,205	113,319	18%
TRANSPORTATION	9,529	119	56,221	6,475	-	450	-	13	72,807	11%
MISCELLANEOUS USES	850	489	-	24	-	593	1	208	2,165	0%
TOTAL FINAL DEMAND SECTORS	37,071	8,695	56,221	29,392	-	55,671	31,333	46,478	264,861	41%
TRANSFORMATION										
ELECTRICITY GEN.	8,043	30,676	-	-	-	483	518,414	-193,665	363,951	57%
PETROLEUM PRODUCTS	-55,830	-23,892	-103,320	-47,958	221,680	11,174	-	-	1,854	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-47,787	6,783	-103,320	-47,958	221,680	11,657	518,414	-193,665	365,805	57%
TOTAL GROSS FLOWS	45,114	39,371	56,221	29,392	221,680	67,328	549,747	46,478	630,666	98%
LOSSES & OMISSIONS	2,608	0	-0	-1,228	11,066	-2,438	-1,210	4,648	13,445	2%
TOTAL NET USAGE	-8,107	15,479	-47,099	-19,794	232,746	64,890	548,536	-142,538	644,111	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	94,570	17,462	2,384,616	-	2,496,648	99%
HYDROELECTRIC	-	-	-	-	-	-	-	58	58	0%
NUCLEAR	-	-	-	-	-	-	-	27,342	27,342	1%
GEO.&SOLAR	-	-	-	-	-	-	-	10	10	0%
TOTAL SUPPLY	-	-	-	-	94,570	17,462	2,384,616	27,410	2,524,058	
NET IMPORTS OF REGION	-8,107	15,479	-47,099	-19,794	138,176	47,428	-1,836,079	-169,948	-1,879,946	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.27%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 56 TERRE HAUTE INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,795	1,793	-	3,155	-	11,914	121	5,350	31,128	17%
INDUSTRIAL	3,262	1,777	-	4,459	-	2,991	5,309	4,871	22,669	12%
TRANSPORTATION	4,065	83	19,636	4,202	-	305	-	3	28,294	15%
MISCELLANEOUS USES	458	264	-	11	-	275	1	90	1,099	1%
TOTAL FINAL DEMAND SECTORS	16,580	3,917	19,636	11,827	-	15,485	5,431	10,314	83,190	45%
TRANSFORMATION										
ELECTRICITY GEN.	670	-	-	-	-	221	119,439	-43,112	77,218	42%
PETROLEUM PRODUCTS	-102,142	-43,711	-189,026	-87,741	405,569	20,444	-	-	3,393	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-101,472	-43,711	-189,026	-87,741	405,569	20,665	119,439	-43,112	80,611	44%
TOTAL GROSS FLOWS	17,250	3,917	19,636	11,827	405,569	36,150	124,870	10,314	163,801	89%
LOSSES & OMISSIONS	997	0	-0	-494	20,246	-1,309	-275	1,031	20,196	11%
TOTAL NET USAGE	-83,894	-39,793	-169,390	-76,408	425,815	34,841	124,594	-31,766	183,998	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	9,236	154	274,737	-	284,127	100%
HYDROELECTRIC	-	-	-	-	-	-	-	18	18	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	9,236	154	274,737	23	284,150	
NET IMPORTS OF REGION	-83,894	-39,793	-169,390	-76,408	416,579	34,687	-150,142	-31,789	-100,151	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.17%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 57 SPRINGFIELD ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	13,139	3,437	-	5,590	-	28,558	189	9,305	60,218	27%
INDUSTRIAL	4,753	1,965	-	4,034	-	4,398	12,180	8,445	35,775	16%
TRANSPORTATION	6,038	52	31,597	777	-	410	-	61	38,935	17%
MISCELLANEOUS USES	953	551	-	23	-	571	1	191	2,290	1%
TOTAL FINAL DEMAND SECTORS	24,883	6,005	31,597	10,424	-	33,937	12,370	18,002	137,218	62%
TRANSFORMATION										
ELECTRICITY GEN.	1,697	7,154	-	-	-	386	120,940	-46,034	84,143	38%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,697	7,154	-	-	-	386	120,940	-46,034	84,143	38%
TOTAL GROSS FLOWS	26,580	13,159	31,597	10,424	-	34,323	133,310	18,002	221,361	99%
LOSSES & OMISSIONS	1,536	0	-0	-435	-	-1,243	-293	1,800	1,364	1%
TOTAL NET USAGE	28,116	13,159	31,596	9,988	-	33,079	133,016	-26,231	222,725	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,122	-	131,332	-	134,454	85%
HYDROELECTRIC	-	-	-	-	-	-	-	32	32	0%
NUCLEAR	-	-	-	-	-	-	-	22,986	22,986	15%
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	0%
TOTAL SUPPLY	-	-	-	-	3,122	-	131,332	23,026	157,480	
NET IMPORTS OF REGION	28,116	13,159	31,596	9,988	-3,122	33,079	1,684	-49,257	65,245	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.64%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 58 CHAMPAIGN-URBANA ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,865	3,058	-	4,346	-	22,884	148	7,720	49,021	44%
INDUSTRIAL	2,849	1,382	-	4,211	-	2,589	7,047	5,504	23,582	21%
TRANSPORTATION	2,571	17	24,489	538	-	266	-	16	27,917	25%
MISCELLANEOUS USES	776	449	-	19	-	614	1	220	2,079	2%
TOTAL FINAL DEMAND SECTORS	17,061	4,906	24,489	9,114	-	26,373	7,195	13,460	102,599	93%
TRANSFORMATION										
ELECTRICITY GEN.	518	-	-	-	-	289	10,510	-3,983	7,334	7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	518	-	-	-	-	289	10,510	-3,983	7,334	7%
TOTAL GROSS FLOWS	17,579	4,906	24,489	9,114	-	26,662	17,706	13,460	109,933	99%
LOSSES & OMISSIONS	1,016	0	-0	-380	-	-965	-39	1,346	976	1%
TOTAL NET USAGE	18,595	4,906	24,488	8,733	-	25,696	17,666	10,823	110,909	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,411	13,691	59,122	-	78,224	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	6	6	0%
TOTAL SUPPLY	-	-	-	-	5,411	13,691	59,122	29	78,253	
NET IMPORTS OF REGION	18,595	4,906	24,488	8,733	-5,411	12,005	-41,455	10,794	32,656	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 59 LAFAYETTE-WEST LAFAYETTE INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,288	1,980	-	3,129	-	11,558	122	5,590	31,667	36%
INDUSTRIAL	3,155	3,598	-	5,292	-	2,233	7,083	4,916	26,277	30%
TRANSPORTATION	3,360	65	19,657	3,282	-	186	-	2	26,552	30%
MISCELLANEOUS USES	306	177	-	7	-	187	-	58	735	1%
TOTAL FINAL DEMAND SECTORS	16,109	5,820	19,657	11,710	-	14,164	7,205	10,566	85,231	97%
TRANSFORMATION										
ELECTRICITY GEN.	391	588	-	-	-	227	1,114	-729	1,591	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	391	588	-	-	-	227	1,114	-729	1,591	2%
TOTAL GROSS FLOWS	16,500	6,408	19,657	11,710	-	14,391	8,319	10,566	86,822	99%
LOSSES & OMISSIONS	953	0	-0	-489	-	-521	-18	1,056	981	1%
TOTAL NET USAGE	17,453	6,408	19,656	11,220	-	13,869	8,300	10,893	87,803	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	1,475	-	1,475	94%
HYDROELECTRIC	-	-	-	-	-	-	-	85	85	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	-	-	1,475	90	1,565	
NET IMPORTS OF REGION	17,453	6,408	19,656	11,220	-	13,869	6,825	10,803	86,238	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.58%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 60 INDIANAPOLIS INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	60,272	12,377	-	20,704	-	75,345	818	36,131	205,647	32%
INDUSTRIAL	16,472	17,807	-	41,978	-	19,043	48,675	27,131	171,106	27%
TRANSPORTATION	28,780	586	130,301	29,730	-	1,683	-	23	191,103	30%
MISCELLANEOUS USES	2,433	1,407	-	60	-	1,538	4	445	5,887	1%
TOTAL FINAL DEMAND SECTORS	107,957	32,177	130,301	92,472	-	97,609	49,497	63,730	573,743	89%
TRANSFORMATION										
ELECTRICITY GEN.	2,313	4,992	-	-	-	1,368	54,537	-21,967	41,243	6%
PETROLEUM PRODUCTS	-16,762	-7,173	-31,020	-14,398	66,554	3,355	-	-	556	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	313,510	-	-282,800	-	-	30,710	5%
NET FUEL USED IN TRANSFORMATION	-14,449	-2,181	-31,020	299,112	66,554	-278,077	54,537	-21,967	72,509	11%
TOTAL GROSS FLOWS	110,270	37,169	130,301	405,982	66,554	102,332	104,034	63,730	646,252	101%
LOSSES & OMISSIONS	6,375	0	-0	-16,970	3,322	-3,706	-229	6,373	-4,834	0%
TOTAL NET USAGE	99,883	29,996	99,280	374,613	69,877	-184,174	103,804	48,136	641,417	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	466		466	77%
HYDROELECTRIC	-	-	-	-	-	-	-	111	111	18%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	29	29	5%
TOTAL SUPPLY	-	-	-	-	-	-	466	140	606	
NET IMPORTS OF REGION	99,883	29,995	99,280	374,613	69,877	-184,174	103,338	47,996	640,811	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.25%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.30%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.30%

BEA ECONOMIC AREA 61 ANDERSON INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,417	3,181	-	6,319	-	22,108	249	10,290	59,564	29%
INDUSTRIAL	8,470	6,395	-	11,616	-	8,707	34,450	13,108	82,746	40%
TRANSPORTATION	5,844	151	39,944	7,644	-	433	-	3	54,019	26%
MISCELLANEOUS USES	391	226	-	9	-	236	-	76	938	0%
TOTAL FINAL DEMAND SECTORS	32,122	9,953	39,944	25,588	-	31,484	34,699	23,477	197,267	96%
TRANSFORMATION										
ELECTRICITY GEN.	730	-	-	-	-	504	9,348	-3,672	6,910	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	730	-	-	-	-	504	9,348	-3,672	6,910	3%
TOTAL GROSS FLOWS	32,852	9,953	39,944	25,588	-	31,988	44,047	23,477	204,177	99%
LOSSES & OMISSIONS	1,899	0	-0	-1,069	-	-1,158	-97	2,347	1,922	1%
TOTAL NET USAGE	34,751	9,953	39,943	24,518	-	30,829	43,949	22,152	206,099	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	10	-	-	-	10	16%
HYDROELECTRIC	-	-	-	-	-	-	-	41	41	66%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	11	11	18%
TOTAL SUPPLY	-	-	-	-	10	-	-	52	62	
NET IMPORTS OF REGION	34,751	9,953	39,943	24,518	-10	30,829	43,949	22,100	206,037	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.30%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 62 CINCINNATI OHIO-KENTUCKY-INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,477	1,663	-	19,270	-	100,921	649	38,633	180,613	17%
INDUSTRIAL	10,100	9,281	-	56,486	-	33,756	102,109	62,146	273,878	26%
TRANSPORTATION	27,665	221	130,301	6,668	-	1,648	-	13	166,516	16%
MISCELLANEOUS USES	1,836	1,059	-	50	-	1,267	3	435	4,650	0%
TOTAL FINAL DEMAND SECTORS	59,078	12,224	130,301	82,474	-	137,592	102,761	101,227	625,657	60%
TRANSFORMATION										
ELECTRICITY GEN.	10,288	715	-	-	-	1,948	611,712	-219,278	405,385	39%
PETROLEUM PRODUCTS	-22,052	-9,437	-40,810	-18,943	87,561	4,414	-	-	733	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-11,764	-8,722	-40,810	-18,943	87,561	6,362	611,712	-219,278	406,118	39%
TOTAL GROSS FLOWS	69,366	12,939	130,301	82,474	87,561	143,954	714,473	101,227	1,031,775	99%
LOSSES & OMISSIONS	4,010	0	-0	-3,447	4,371	-5,214	-1,573	10,123	8,269	1%
TOTAL NET USAGE	51,324	3,502	89,490	60,083	91,932	138,739	712,899	-107,927	1,040,044	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	611	611	6%
NUCLEAR	-	-	-	-	-	-	-	9,582	9,582	94%
GEO.&SOLAR	-	-	-	-	-	-	-	34	34	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	10,227	10,227	
NET IMPORTS OF REGION	51,324	3,502	89,490	60,083	91,932	138,739	712,899	-118,154	1,029,817	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.90%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 63 DAYTON OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,657	866	-	11,762	-	67,797	390	21,750	114,222	33%
INDUSTRIAL	4,896	3,033	-	11,125	-	12,936	52,243	22,998	107,231	31%
TRANSPORTATION	9,352	182	75,849	3,013	-	1,370	-	2	89,768	26%
MISCELLANEOUS USES	1,529	884	-	45	-	1,225	3	378	4,064	1%
TOTAL FINAL DEMAND SECTORS	27,434	4,965	75,849	25,945	-	83,328	52,636	45,128	315,285	91%
TRANSFORMATION										
ELECTRICITY GEN.	2,231	2,703	-	-	-	968	37,633	-15,130	28,405	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,231	2,703	-	-	-	968	37,633	-15,130	28,405	8%
TOTAL GROSS FLOWS	29,665	7,668	75,849	25,945	-	84,296	90,269	45,128	343,690	99%
LOSSES & OMISSIONS	1,715	0	-0	-1,084	-	-3,053	-198	4,513	1,891	1%
TOTAL NET USAGE	31,380	7,668	75,848	24,860	-	81,242	90,070	34,511	345,581	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17	-	-	-	17	15%
HYDROELECTRIC	-	-	-	-	-	-	-	78	78	67%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	21	21	18%
TOTAL SUPPLY	-	-	-	-	17	-	-	99	116	
NET IMPORTS OF REGION	31,380	7,668	75,848	24,860	-17	81,242	90,070	34,412	345,465	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.25%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 64 COLUMBUS OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,694	1,632	-	19,694	-	115,993	732	38,246	195,991	27%
INDUSTRIAL	9,363	5,623	-	37,325	-	36,810	97,806	43,405	231,332	32%
TRANSPORTATION	25,003	297	130,163	5,007	-	2,350	1	20	162,846	22%
MISCELLANEOUS USES	2,524	1,458	-	67	-	1,767	4	569	6,389	1%
TOTAL FINAL DEMAND SECTORS	56,589	10,010	130,163	62,093	-	156,920	98,543	82,240	596,558	81%
TRANSFORMATION										
ELECTRICITY GEN.	2,819	2,369	-	-	-	1,911	198,322	-71,299	134,122	18%
PETROLEUM PRODUCTS	-4,141	-504	-4,774	-2,027	11,391	84	-	-	27	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,322	1,864	-4,774	-2,027	11,391	1,995	198,322	-71,299	134,149	18%
TOTAL GROSS FLOWS	59,408	12,379	130,163	62,093	11,391	158,915	296,865	82,240	730,707	100%
LOSSES & OMISSIONS	3,434	0	-0	-2,595	568	-5,756	-653	8,224	3,222	0%
TOTAL NET USAGE	58,701	11,874	125,387	57,469	11,959	153,159	296,211	19,165	733,929	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	37,771	37,837	318,835	-	394,443	100%
HYDROELECTRIC	-	-	-	-	-	-	-	140	140	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	33	33	0%
TOTAL SUPPLY	-	-	-	-	37,771	37,837	318,835	173	394,616	
NET IMPORTS OF REGION	58,701	11,874	125,387	57,469	-25,811	115,322	-22,623	18,992	339,313	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.29%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 65 CLARKSBURG WEST VIRGINIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,930	438	-	1,802	-	15,616	313	7,307	27,406	12%
INDUSTRIAL	1,783	682	-	611	-	11,295	11,841	12,638	38,850	18%
TRANSPORTATION	5,384	-	22,569	292	-	518	4	-	28,767	13%
MISCELLANEOUS USES	189	104	-	4	-	316	1	106	720	0%
TOTAL FINAL DEMAND SECTORS	9,286	1,224	22,569	2,709	-	27,745	12,159	20,051	95,743	43%
TRANSFORMATION										
ELECTRICITY GEN.	-	630	-	-	-	667	184,620	-62,466	123,451	56%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-	630	-	-	-	667	184,620	-62,466	123,451	56%
TOTAL GROSS FLOWS	9,286	1,854	22,569	2,709	-	28,412	196,779	20,051	219,194	100%
LOSSES & OMISSIONS	536	0	-0	-113	-	-1,029	-433	2,005	966	0%
TOTAL NET USAGE	9,822	1,854	22,568	2,595	-	27,382	196,345	-40,409	220,160	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	37,020	144,986	967,050	-	1,149,056	100%
HYDROELECTRIC	-	-	-	-	-	-	-	30	30	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	37,020	144,986	967,050	30	1,149,086	
NET IMPORTS OF REGION	9,822	1,854	22,568	2,595	-37,020	-117,603	-770,704	-40,439	-928,925	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.40%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 66 PITTSBURGH PENNSYLVANIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	67,853	10,412	-	21,353	-	108,768	897	57,790	267,073	13%
INDUSTRIAL	34,190	39,626	-	78,448	-	117,779	517,351	86,003	873,397	43%
TRANSPORTATION	33,462	8,336	197,798	18,475	-	5,915	52	1,023	265,061	13%
MISCELLANEOUS USES	1,139	624	-	24	-	1,738	8	579	4,112	0%
TOTAL FINAL DEMAND SECTORS	136,644	58,998	197,798	118,300	-	234,200	518,308	145,395	1,409,643	70%
TRANSFORMATION										
ELECTRICITY GEN.	3,146	11,300	-	-	-	4,706	877,494	-306,400	590,746	29%
PETROLEUM PRODUCTS	-16,088	-1,717	-16,243	-6,898	38,753	287	-	-	92	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-16,942	10,082	-16,243	-6,898	38,753	4,993	877,494	-306,400	590,838	29%
TOTAL GROSS FLOWS	139,790	70,798	197,798	118,300	38,753	239,193	1,395,802	145,395	2,000,487	100%
LOSSES & OMISSIONS	3,081	1	-0	-4,945	1,934	-8,664	-3,074	14,541	7,874	0%
TOTAL NET USAGE	133,782	69,082	181,553	106,456	40,688	230,529	1,392,727	-146,463	2,008,355	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	22,609	77,939	3,270,965	-	3,371,513	99%
HYDROELECTRIC	-	-	-	-	-	-	-	529	529	0%
NUCLEAR	-	-	-	-	-	-	-	29,901	29,901	1%
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	22,609	77,939	3,270,965	30,435	3,401,948	
NET IMPORTS OF REGION	133,782	69,082	181,553	106,456	18,079	152,590	-1,878,237	-176,898	-1,393,592	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.85%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.24%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 67 YOUNGSTOWN-WARREN OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,333	1,109	-	6,908	-	38,289	234	13,809	70,682	21%
INDUSTRIAL	6,155	5,138	-	23,060	-	18,083	100,508	21,079	174,023	53%
TRANSPORTATION	9,673	361	48,699	1,485	-	568	5	121	60,912	18%
MISCELLANEOUS USES	492	283	-	12	-	369	1	122	1,279	0%
TOTAL FINAL DEMAND SECTORS	26,653	6,891	48,699	31,465	-	57,309	100,748	35,131	306,896	93%
TRANSFORMATION										
ELECTRICITY GEN.	841	-	-	-	-	850	33,377	-11,917	23,151	7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	841	-	-	-	-	850	33,377	-11,917	23,151	7%
TOTAL GROSS FLOWS	27,494	6,891	48,699	31,465	-	58,159	134,125	35,131	330,047	100%
LOSSES & OMISSIONS	1,589	0	-0	-1,315	-	-2,106	-295	3,513	1,385	0%
TOTAL NET USAGE	29,083	6,891	48,698	30,149	-	56,052	133,829	26,727	331,432	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,287	3,832	38,685	-	44,804	100%
HYDROELECTRIC	-	-	-	-	-	-	-	59	59	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	12	12	0%
TOTAL SUPPLY	-	-	-	-	2,287	3,832	38,685	71	44,875	
NET IMPORTS OF REGION	29,083	6,891	48,698	30,149	-2,287	52,220	95,144	26,656	286,557	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.02%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 68 CLEVELAND OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	42,165	3,313	-	42,189	-	243,556	1,408	78,386	411,017	25%
INDUSTRIAL	28,130	22,316	-	133,671	-	75,066	313,489	115,296	687,968	42%
TRANSPORTATION	48,357	746	272,010	12,383	-	5,611	1	43	339,151	21%
MISCELLANEOUS USES	3,536	2,045	-	89	-	2,205	5	727	8,607	1%
TOTAL FINAL DEMAND SECTORS	122,188	28,420	272,010	188,332	-	326,438	314,903	194,452	1,446,743	88%
TRANSFORMATION										
ELECTRICITY GEN.	6,847	6,756	-	-	-	4,174	280,676	-105,547	192,906	12%
PETROLEUM PRODUCTS	-33,524	-14,346	-62,039	-28,797	133,110	6,710	-	-	1,114	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-26,677	-7,590	-62,039	-28,797	133,110	10,884	280,676	-105,547	194,020	12%
TOTAL GROSS FLOWS	129,035	35,176	272,010	188,332	133,110	337,322	595,579	194,452	1,640,763	99%
LOSSES & OMISSIONS	7,460	0	-0	-7,872	6,645	-12,218	-1,311	19,447	12,148	1%
TOTAL NET USAGE	102,971	20,830	209,970	151,662	139,755	325,103	594,267	108,352	1,652,912	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	64,304	38,126	182,251	-	284,681	91%
HYDROELECTRIC	-	-	-	-	-	-	-	338	338	0%
NUCLEAR	-	-	-	-	-	-	-	28,769	28,769	9%
GEO.&SOLAR	-	-	-	-	-	-	-	89	89	0%
TOTAL SUPPLY	-	-	-	-	64,304	38,126	182,251	29,196	313,877	
NET IMPORTS OF REGION	102,971	20,830	209,970	151,662	75,451	286,977	412,016	79,156	1,339,035	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.64%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 69 LIMA OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,938	207	-	2,981	-	16,962	97	5,369	28,554	27%
INDUSTRIAL	1,419	1,773	-	6,132	-	3,353	10,845	7,278	30,800	29%
TRANSPORTATION	3,447	29	19,263	483	-	217	-	2	23,441	22%
MISCELLANEOUS USES	149	86	-	4	-	93	-	31	363	0%
TOTAL FINAL DEMAND SECTORS	7,953	2,095	19,263	9,600	-	20,625	10,942	12,680	83,158	79%
TRANSFORMATION										
ELECTRICITY GEN.	398	223	-	-	-	273	920	-566	1,248	1%
PETROLEUM PRODUCTS	-88,000	-37,659	-162,853	-75,592	349,413	17,613	-	-	2,922	3%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-87,602	-37,436	-162,853	-75,592	349,413	17,886	920	-566	4,170	4%
TOTAL GROSS FLOWS	8,351	2,318	19,263	9,600	349,413	38,511	11,862	12,680	87,328	83%
LOSSES & OMISSIONS	482	0	-0	-401	17,443	-1,395	-26	1,268	17,371	17%
TOTAL NET USAGE	-79,166	-35,340	-143,590	-66,393	366,856	37,116	11,835	13,382	104,700	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	22	22	79%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	6	6	21%
TOTAL SUPPLY	-	-	-	-	-	-	-	28	28	
NET IMPORTS OF REGION	-79,166	-35,340	-143,590	-66,393	366,856	37,116	11,835	13,354	104,672	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.80%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 70 TOLEDO OHIO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,165	859	-	11,743	-	64,852	351	20,649	112,619	22%
INDUSTRIAL	6,578	7,451	-	24,897	-	13,765	56,568	24,337	133,595	26%
TRANSPORTATION	15,625	176	75,035	2,503	-	1,134	-	19	94,492	18%
MISCELLANEOUS USES	597	345	-	14	-	375	1	122	1,454	0%
TOTAL FINAL DEMAND SECTORS	36,965	8,831	75,035	39,157	-	80,125	56,920	45,127	342,161	66%
TRANSFORMATION										
ELECTRICITY GEN.	2,036	3,323	-	-	-	969	205,360	-75,460	136,228	26%
PETROLEUM PRODUCTS	-165,350	-70,761	-305,999	-142,037	656,544	33,096	-	-	5,493	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-163,314	-67,438	-305,999	-142,037	656,544	34,065	205,360	-75,460	141,721	27%
TOTAL GROSS FLOWS	39,001	12,154	75,035	39,157	656,544	114,191	262,280	45,127	483,882	94%
LOSSES & EMISSIONS	2,254	0	-0	-1,636	32,775	-4,136	-577	4,513	33,192	6%
TOTAL NET USAGE	-124,094	-58,606	-230,964	-104,516	689,319	110,055	261,702	-25,819	517,075	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	48	-	-	-	48	0%
HYDROELECTRIC	-	-	-	-	-	-	-	78	78	0%
NUCLEAR	-	-	-	-	-	-	-	56,970	56,970	100%
GEO.&SOLAR	-	-	-	-	-	-	-	21	21	0%
TOTAL SUPPLY	-	-	-	-	48	-	-	57,069	57,117	
NET IMPORTS OF REGION	-124,094	-58,606	-230,964	-104,516	689,271	110.055	261,702	-82,888	459,958	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.35%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 71 DETROIT MICHIGAN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	128,202	6,982	-	62,718	-	312,354	1,186	101,729	613,171	34%
INDUSTRIAL	21,471	22,164	-	92,082	-	52,082	240,975	91,439	520,213	29%
TRANSPORTATION	39,918	1,534	384,390	20,087	-	9,674	1	-	456,004	25%
MISCELLANEOUS USES	5,342	3,089	-	135	-	3,385	9	1,079	13,039	1%
TOTAL FINAL DEMAND SECTORS	194,933	34,169	384,390	175,022	-	377,495	242,171	194,247	1,602,427	89%
TRANSFORMATION										
ELECTRICITY GEN.	7,550	40,507	-	-	-	4,571	221,586	-94,360	179,854	10%
PETROLEUM PRODUCTS	-34,047	-14,570	-63,009	-29,247	135,190	6,814	-	-	1,131	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-26,497	25,937	-63,009	-29,247	135,190	11,385	221,586	-94,360	180,985	10%
TOTAL GROSS FLOWS	202,483	74,676	384,390	175,022	135,190	388,880	463,757	194,247	1,783,412	99%
LOSSES & OMISSIONS	11,706	1	-1	-7,316	6,748	-14,086	-1,021	19,426	15,458	1%
TOTAL NET USAGE	180,142	60,107	321,379	138,458	141,938	374,794	462,735	119,313	1,798,871	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	9,698	11,338	-	-	21,036	58%
HYDROELECTRIC	-	-	-	-	-	-	-	338	338	1%
NUCLEAR	-	-	-	-	-	-	-	14,615	14,615	41%
GEO.&SOLAR	-	-	-	-	-	-	-	89	89	0%
TOTAL SUPPLY	-	-	-	-	9,598	11,338	-	15,042	36,078	
NET IMPORTS OF REGION	180,142	60,107	321,379	138,458	132,240	363,456	462,735	104,271	1,762,793	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.59%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 72 SAGINAW MICHIGAN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,806	1,107	-	11,244	-	54,265	210	17,261	106,893	21%
INDUSTRIAL	7,312	47,111	-	82,293	-	10,830	59,642	44,670	251,858	50%
TRANSPORTATION	5,219	218	69,153	1,977	-	950	-	-	77,517	15%
MISCELLANEOUS USES	954	552	-	29	-	847	1	212	2,595	1%
TOTAL FINAL DEMAND SECTORS	36,291	48,988	69,153	95,543	-	66,892	59,853	62,143	438,863	38%
TRANSFORMATION										
ELECTRICITY GEN.	2,360	25,676	-	-	-	1,377	44,124	-24,484	50,053	10%
PETROLEUM PRODUCTS	-46,566	-19,928	-86,176	-40,001	184,898	9,320	-	-	1,547	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-44,206	6,748	-86,176	-40,001	184,898	10,697	44,124	-24,484	51,600	10%
TOTAL GROSS FLOWS	38,651	75,664	69,153	95.543	184,898	77,589	103,977	62,143	490,463	98%
LOSSES & OMISSIONS	2,234	1	-0	-3.993	9,230	-2,810	-229	6,214	10,648	2%
TOTAL NET USAGE	-5,680	55,737	-17,023	51,548	194,128	74,779	103,747	43,873	501,111	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	48,220	9,190	-	-	57,410	78%
HYDROELECTEIC	-	-	-	-	-	-	-	1,125	1,125	2%
NUCLEAR	-	-	-	-	-	-	-	15,377	15,377	21%
GEO.&SOLAR	-	-	-	-	-	-	-	29	29	0%
TOTAL SUPPLY	-	-	-	-	48,220	9,190	-	16,531	73,941	
NET IMPORTS OF REGION	-5,680	55,737	-17,023	51,548	145,908	65,589	103,747	27,342	427,170	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.15%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 73 GRAND RAPIDS MICHIGAN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	31,348	1,564	-	15,433	-	75,218	290	24,124	147,977	30%
INDUSTRIAL	7,910	6,472	-	29,713	-	15,801	70,770	25,134	155,800	32%
TRANSPORTATION	9,911	317	94,812	2,959	-	1,420	-	-	109,419	22%
MISCELLANEOUS USES	1,147	663	-	29	-	722	1	231	2,793	1%
TOTAL FINAL DEMAND SECTORS	50,316	9,016	94,812	48,134	-	93,161	71,061	49,489	415,989	85%
TRANSFORMATION										
ELECTRICITY GEN.	1,782	541	-	-	-	1,688	103,116	-38,047	69,080	14%
PETROLEUM PRODUCTS	-3,247	-1,389	-6,010	-2,789	12,895	650	-	-	107	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,465	-848	-6,010	-2,789	12,895	2,338	103,116	-38,047	69,187	14%
TOTAL GROSS FLOWS	52,098	9,557	94,812	48,134	12,895	95,499	174,177	49,489	485,176	99%
LOSSES & OMISSIONS	3,011	0	-0	-2,012	643	-3,459	-383	4,949	2,750	1%
TOTAL NET USAGE	51,862	8,167	88,801	43,332	13,538	92,039	173,793	16,391	487,926	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	41,980	39,506	-	-	81,486	93%
HYDROELECTRIC	-	-	-	-	-	-	-	5,676	5,676	6%
NUCLEAR	-	-	-	-	-	-	-	859	859	1%
GEO.&SOLAR	-	-	-	-	-	-	-	23	23	0%
TOTAL SUPPLY	-	-	-	-	41,980	39,506	-	6,558	88,044	
NET IMPORTS OF REGION	51,862	8,167	88,801	43,332	-28,441	52,533	173,793	9,833	399,882	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.48%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 74 LANSING MICHIGAN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	27,338	1,387	-	13,459	-	66,520	253	21,466	130,423	35%
INDUSTRIAL	6,662	7,149	-	19,744	-	14,126	51,785	21,897	121,363	32%
TRANSPORTATION	5,857	246	82,556	2,003	-	962	-	-	91,624	24%
MISCELLANEOUS USES	1,684	974	-	42	-	1,031	3	338	4,072	1%
TOTAL FINAL DEMAND SECTORS	41,541	9,756	82,556	35,248	-	82,639	52,041	43,701	347,482	93%
TRANSFORMATION										
ELECTRICITY GEN.	1,396	2,544	-	-	-	967	31,724	-12,728	23,903	6%
PETROLEUM PRODUCTS	-3,771	-1,614	-6,979	-3,239	14,974	754	-	-	125	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-2,375	930	-6,979	-3,239	14,974	1,721	31,724	-12,728	24,028	6%
TOTAL GROSS FLOWS	42,937	12,300	82,556	35,248	14,974	84,360	83,765	43,701	371,510	99%
LOSSES & OMISSIONS	2,482	0	-0	-1,473	747	-3,055	-184	4,370	2,886	1%
TOTAL NET USAGE	41,647	10,686	75,576	30,534	15,722	81,305	83,580	35,343	374,397	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	42,433	25,365	-	-	67,798	89%
HYDROELECTRIC	-	-	-	-	-	-	-	134	134	0%
NUCLEAR	-	-	-	-	-	-	-	8,299	8,299	11%
GEO.&SOLAR	-	-	-	-	-	-	-	20	20	0%
TOTAL SUPPLY	-	-	-	-	42,433	25,365	-	8,453	76,251	
NET IMPORTS OF REGION	41,647	10,686	75,576	30,534	-26,710	55,940	83,580	26,890	298,145	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.25%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 75 FORT WAYNE INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	20,560	4,265	-	7,572	-	29,926	292	13,547	76,162	30%
INDUSTRIAL	8,974	7,558	-	13,598	-	10,464	40,500	15,745	96,839	38%
TRANSPORTATION	13,300	167	47,771	8,271	-	508	-	8	70,025	28%
MISCELLANEOUS USES	529	306	-	13	-	318	1	104	1,271	1%
TOTAL FINAL DEMAND SECTORS	43,363	12,296	47,771	29,454	-	41,216	40,793	29,404	244,297	97%
TRANSFORMATION										
ELECTRICITY GEN.	1,367	477	-	-	-	631	-	-661	1,814	1%
PETROLEUM PRODUCTS	-12,611	-5,396	-23,337	-10,833	50,072	2,524	-	-	418	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-11,244	-4,919	-23,337	-10,833	50,072	3,155	-	-661	2,232	1%
TOTAL GROSS FLOWS	44,730	12,773	47,771	29,454	50,072	44,371	40,793	29,404	246,529	98%
LOSSES & OMISSIONS	2,586	0	-0	-1,231	2,499	-1,607	-89	2,940	5,098	2%
TOTAL NET USAGE	34,705	7,376	24,433	17,389	52,571	42,763	40,703	31,683	251,627	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5	-	-	-	5	7%
HYDROELECTRIC	-	-	-	-	-	-	-	58	58	76%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	13	13	17%
TOTAL SUPPLY	-	-	-	-	5	-	-	71	76	
NET IMPORTS OF REGION	34,705	7,376	24,433	17,389	52,566	42,763	40,703	31,612	251,551	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =73.29%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 76 SOUTH BEND INDIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	23,647	3,571	-	9,305	-	36,285	300	14,716	87,824	32%
INDUSTRIAL	3,357	7,089	-	23,143	-	12,077	38,380	17,911	106,951	39%
TRANSPORTATION	7,500	211	58,315	8,574	-	578	-	3	75,281	27%
MISCELLANEOUS USES	466	269	-	11	-	285	-	90	1,124	0%
TOTAL FINAL DEMAND SECTORS	33,970	11,140	58,315	41,033	-	49,315	38,680	32,720	271,177	98%
TRANSFORMATION										
ELECTRICITY GEN.	1,051	3,736	-	-	-	702	-	-1,526	3,963	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,051	3,736	-	-	-	702	-	-1,526	3,963	1%
TOTAL GROSS FLOWS	41,021	14,876	58,315	41,033	-	50,021	38,680	32,720	275,140	99%
LOSSES & OMISSIONS	2,371	0	-0	-1,715	-	-1,812	-85	3,272	2,031	1%
TOTAL NET USAGE	43,392	14,876	58,314	39,317	-	48,209	38,594	34,466	277,171	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	384	384	1%
NUCLEAR	-	-	-	-	-	-	-	25,406	25,405	98%
GEO.&SOLAR	-	-	-	-	-	-	-	15	15	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	25,805	25,805	
NET IMPORTS OF REGION	43,392	14,876	58,314	39,317	-	48,209	38,594	8,661	251,365	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =72.20%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 77 CHICAGO ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	226,309	60,019	-	90,806	-	457,432	3,174	157,822	995,562	29%
INDUSTRIAL	98,666	116,994	-	361,844	-	125,574	426,793	156,871	1,286,742	37%
TRANSPORTATION	105,896	1,719	518,673	94,343	-	40,018	2	656	761,307	22%
MISCELLANEOUS USES	9,556	5,527	-	237	-	6,234	16	2,127	23,697	1%
TOTAL FINAL DEMAND SECTORS	440,427	184,259	518,673	547,230	-	629,258	429,985	317,476	3,067,308	88%
TRANSFORMATION										
ELECTRICITY GEN.	15,042	50,014	-	-	-	8,610	376,721	-155,927	294,460	8%
PETROLEUM PRODUCTS	-497,354	-212,841	-920,411	-427,230	1,974,810	99,550	-	-	16,524	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-482,312	-162,827	-920,411	-427,230	1,974,810	108,160	376,721	-155,927	310,984	9%
TOTAL GROSS FLOWS	455,469	234,273	518,673	547,230	1,974,810	737,418	806,706	317,476	3,378,292	97%
LOSSES & OMISSIONS	26,332	5	-1	-22,875	98,585	-26,711	-1,776	31,750	105,309	3%
TOTAL NET USAGE	-15,552	21,437	-401,739	97,124	2,073,395	710,706	804,929	193,299	3,483,601	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	8,836	-	8,836	8%
HYDROELECTRIC	-	-	-	-	-	-	-	730	730	1%
NUCLEAR	-	-	-	-	-	-	-	105,761	105,761	92%
GEO.&SOLAR	-	-	-	-	-	-	-	145	145	0%
TOTAL SUPPLY	-	-	-	-	-	-	8,836	106,636	115,472	
NET IMPORTS OF REGION	-15,552	21,437	-401,739	97,124	2,073,395	710,706	796,093	86,663	3,368,129	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.38%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 78 PEORIA ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,122	5,401	-	7,629	-	40,201	261	13,613	86,227	28%
INDUSTRIAL	5,697	2,644	-	7,559	-	5,356	19,424	10,186	50,866	17%
TRANSPORTATION	7,198	62	42,962	1,092	-	578	-	71	51,963	17%
MISCELLANEOUS USES	677	392	-	16	-	409	1	137	1,632	1%
TOTAL FINAL DEMAND SECTORS	32,694	8,499	42,962	16,296	-	46,544	19,686	24,007	190,688	63%
TRANSFORMATION										
ELECTRICITY GEN.	791	-	-	-	-	528	173,249	-62,528	112,040	37%
PETROLEUM PRODUCTS	-523	-224	-969	-450	2,079	104	-	-	17	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	267	-224	-969	-450	2,079	632	173,249	-62,528	112,057	37%
TOTAL GROSS FLOWS	33,485	8,499	42,962	16,296	2,079	47,176	192,935	24,007	302,745	99%
LOSSES & OMISSIONS	1,935	0	-0	-681	103	-1,708	-424	2,400	1,625	1%
TOTAL NET USAGE	34,897	8,274	41,992	15,164	2,183	45,467	192,510	-36,120	304,370	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	153	-	177,827	-	177,985	100%
HYDROELECTRIC	-	-	-	-	-	-	-	42	42	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	11	11	0%
TOTAL SUPPLY	-	-	-	-	153	-	177,827	53	178,038	
NET IMPORTS OF REGION	34,897	8,274	41,992	15,164	2,025	45,467	14,683	-36,173	126,332	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.18%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.79%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 79 DAVENPORT-ROCK ISLAND-MOLINE IOWA-ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,824	2,424	-	8,593	-	34,090	154	12,251	70,336	25%
INDUSTRIAL	7,245	5,870	-	30,376	-	21,661	32,445	14,883	112,480	40%
TRANSPORTATION	8,308	32	43,519	921	-	418	-	35	53,233	19%
MISCELLANEOUS USES	1,167	470	-	36	-	564	1	202	2,440	1%
TOTAL FINAL DEMAND SECTORS	29,544	8,796	43,519	39,926	-	56,733	32,600	27,371	238,489	85%
TRANSFORMATION										
ELECTRICITY GEN.	2,139	1,844	-	-	-	310	52,412	-14,390	42,315	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,139	1,844	-	-	-	310	52,412	-14,390	42,315	15%
TOTAL GROSS FLOWS	31,683	10,640	43,519	39,926	-	57,043	85,012	27,371	280,804	100%
LOSSES & OMISSIONS	1,831	0	-0	-1,668	-	-2,066	-187	2,737	646	0%
TOTAL NET USAGE	33,514	10,640	43,518	38,257	-	54,976	84,824	15,718	281,450	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	285	-	285	1%
HYDROELECTRIC	-	-	-	-	-	-	-	87	87	0%
NUCLEAR	-	-	-	-	-	-	-	32,641	32,641	99%
GEO.&SOLAR	-	-	-	-	-	-	-	7	7	0%
TOTAL SUPPLY	-	-	-	-	-	-	285	32,735	33,020	
NET IMPORTS OF REGION	33,514	10,640	43,518	38,257	-	54,976	84,539	-17,016	248,430	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.62%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 80 CEDAR RAPIDS IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,838	94	-	6,170	-	18,872	26	7,868	37,868	33%
INDUSTRIAL	2,635	1,195	-	3,213	-	6,354	4,473	5,817	23,687	21%
TRANSPORTATION	3,921	-	27,932	468	-	154	-	-	32,475	29%
MISCELLANEOUS USES	539	111	-	20	-	183	-	74	927	1%
TOTAL FINAL DEMAND SECTORS	11,933	1,400	27,932	9,871	-	25,563	4,499	13,759	94,957	84%
TRANSFORMATION										
ELECTRICITY GEN.	1,136	-	-	-	-	-	22,154	-5,898	17,392	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,136	-	-	-	-	-	22,154	-5,898	17,392	15%
TOTAL GROSS FLOWS	13,069	1,400	27,932	9,871	-	25,563	26,653	13,759	112,349	99%
LOSSES & OMISSIONS	755	0	-0	-412	-	-925	-58	1,376	734	1%
TOTAL NET USAGE	13,824	1,400	27,931	9,458	-	24,637	26,594	9,237	113,083	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	11	11	0%
NUCLEAR	-	-	-	-	-	-	-	4,075	4,075	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	4,086	4,086	
NET IMPORTS OF REGION	13,824	1,400	27,931	9,458	-	24,637	26,594	5,151	108,997	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 81 DUBUQUE IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,855	260	-	4,983	-	15,104	64	6,310	32,576	33%
INDUSTRIAL	2,883	813	-	2,338	-	4,573	4,141	7,246	21,994	22%
TRANSPORTATION	2,916	5	23,975	788	-	364	-	1	28,049	28%
MISCELLANEOUS USES	270	86	-	9	-	116	-	42	523	1%
TOTAL FINAL DEMAND SECTORS	11,924	1,164	23,975	8,118	-	20,157	4,205	13,599	83,142	83%
TRANSFORMATION										
ELECTRICITY GEN.	870	-	-	-	-	94	21,841	-7,105	15,700	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	870	-	-	-	-	94	21,841	-7,105	15,700	16%
TOTAL GROSS FLOWS	12,794	1,164	23,975	8,118	-	20,251	25,046	13,599	98,842	99%
LOSSES & OMISSIONS	739	0	-0	-339	-	-733	-57	1,360	969	1%
TOTAL NET USAGE	13,533	1,164	23,974	7,778	-	19,517	25,988	7,854	99,811	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	41	41	95%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2	2	5%
TOTAL SUPPLY	-	-	-	-	-	-	-	43	43	
NET IMPORTS OF REGION	13,533	1,164	23,974	7,778	-	19,517	25,988	7,811	99,768	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 82 ROCKFORD ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,908	2,849	-	6,353	-	28,047	229	10,184	62,570	38%
INDUSTRIAL	5,578	2,848	-	5,261	-	5,729	13,726	11,136	44,278	27%
TRANSPORTATION	4,340	15	35,560	830	-	471	-	5	41,221	25%
MISCELLANEOUS USES	453	262	-	11	-	271	-	90	1,087	1%
TOTAL FINAL DEMAND SECTORS	25,279	5,974	35,560	12,455	-	34,513	13,955	21,415	149,156	91%
TRANSFORMATION										
ELECTRICITY GEN.	3,319	1,033	-	-	-	460	15,935	-7,055	13,692	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,319	1,033	-	-	-	460	15,935	-7,055	13,692	8%
TOTAL GROSS FLOWS	28,598	7,007	35,560	12,455	-	34,978	29,890	21,415	162,848	99%
LOSSES & OMISSIONS	1,653	0	-0	-520	-	-1,267	-65	2,141	1,941	1%
TOTAL NET USAGE	30,251	7,007	35,559	11,934	-	33,710	29,824	16,501	164,789	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	129	129	0%
NUCLEAR	-	-	-	-	-	-	-	48,877	48,877	100%
GEO.&SOLAR	-	-	-	-	-	-	-	10	10	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	49,016	49,016	
NET IMPORTS OF REGION	30,251	7,007	35,559	11,934	-	33,710	29,824	-32,514	115,773	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.00%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 83 MADISON WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	16,814	907	-	6,999	-	21,604	286	11,692	58,302	42%
INDUSTRIAL	2,877	1,225	-	5,480	-	3,473	8,358	7,082	28,495	20%
TRANSPORTATION	2,802	15	37,933	936	-	690	-	-	42,376	30%
MISCELLANEOUS USES	1,103	637	-	27	-	664	1	220	2,652	2%
TOTAL FINAL DEMAND SECTORS	23,596	2,734	37,933	13,442	-	26,431	8,645	18,994	131,825	94%
TRANSFORMATION										
ELECTRICITY GEN.	771	286	-	-	-	989	8,137	-3,438	6,745	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	771	286	-	-	-	989	8,137	-3,438	6,745	5%
TOTAL GROSS FLOWS	24,367	3,070	37,933	13,442	-	27,420	16,782	18,994	138,570	99%
LOSSES & OMISSIONS	1,408	0	-0	-561	-	-993	-36	1,899	1,716	1%
TOTAL NET USAGE	25,775	3,070	37,932	12,880	-	26,426	16,745	17,455	140,286	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	627	627	99%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	9	9	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	636	636	
NET IMPORTS OF REGION	25,775	3,070	37,932	12,880	-	26,426	16,745	16,819	139,650	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.24%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 84 MILWAUKEE WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATUEAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	64,626	2,849	-	27,281	-	81,163	1,112	42,772	219,803	30%
INDUSTRIAL	12,804	8,009	-	44,299	-	20,882	83,918	32,178	202,090	27%
TRANSPORTATION	20,286	151	148,537	3,446	-	2,521	-	-	174,941	24%
MISCELLANEOUS USES	1,888	1,092	-	47	-	1,155	3	378	4,563	1%
TOTAL FINAL DEMAND SECTORS	99,604	12,101	148,537	75,073	-	105,721	85,033	75,328	601,397	81%
TRANSFORMATION										
ELECTRICITY GEN.	4,319	-	-	-	-	1,714	198,725	-72,936	131,822	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,319	-	-	-	-	1,714	198,725	-72,936	131,822	18%
TOTAL GROSS FLOWS	103,923	12,101	148,537	75,073	-	107,435	283,758	75,328	733,219	99%
LOSSES & OMISSIONS	6,008	0	-0	-3,138	-	-3,891	-625	7,533	5,886	1%
TOTAL NET USAGE	109,931	12,101	148,536	71,934	-	103,543	283,132	9,925	739,105	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	131	131	79%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	35	35	21%
TOTAL SUPPLY	-	-	-	-	-	-	-	166	166	
NET IMPORTS OF REGION	109,931	12,101	148,536	71,934	-	103,543	283,132	9,759	738,939	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.33%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 85 APPLETON-OSHKOSH WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	28,994	1,187	-	12,710	-	42,295	452	18,991	104,629	28%
INDUSTRIAL	8,150	6,418	-	9,557	-	13,768	79,564	31,125	148,582	39%
TRANSPORTATION	7,376	154	71,428	2,155	-	1,355	-	-	82,468	22%
MISCELLANEOUS USES	846	490	-	23	-	661	1	180	2,201	1%
TOTAL FINAL DEMAND SECTORS	45,366	8,249	71,428	24,445	-	58,079	80,017	50,296	337,880	90%
TRANSFORMATION										
ELECTRICITY GEN.	2,650	1,034	-	-	-	1,086	47,514	-18,339	33,945	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,650	1,034	-	-	-	1,086	47,514	-18,339	33,945	9%
TOTAL GROSS FLOWS	48,016	9,283	71,428	24,445	-	59,165	127,531	50,296	371,825	99%
LOSSES & OMISSIONS	2,775	0	-0	-1,021	-	-2,143	-280	5,030	4,360	1%
TOTAL NET USAGE	50,791	9,283	71,427	23,423	-	57,021	127,250	36,987	376,185	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,604	1,604	8%
NUCLEAR	-	-	-	-	-	-	-	18,317	18,317	92%
GEO.&SOLAR	-	-	-	-	-	-	-	23	23	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	19,944	19,944	
NET IMPORTS OF REGION	50,791	9,283	71,427	23,423	-	57,021	127,250	17,043	356,241	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.92%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 86 WAUSAU WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,633	562	-	5,321	-	15,621	216	8,145	42,498	25%
INDUSTRIAL	2,835	2,193	-	1,261	-	4,461	23,477	12,207	46,434	29%
TRANSPORTATION	4,164	31	29,016	1,310	-	966	-	-	35,487	22%
MISCELLANEOUS USES	456	263	-	11	-	275	1	91	1,097	1%
TOTAL FINAL DEMAND SECTORS	20,088	3,049	29,016	7,903	-	21,323	23,694	20,443	125,516	78%
TRANSFORMATION										
ELECTRICITY GEN.	934	-	-	-	-	445	50,372	-18,442	33,309	21%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	934	-	-	-	-	445	50,372	-18,442	33,309	21%
TOTAL GROSS FLOWS	21,022	3,049	29,016	7,903	-	21,768	74,066	20,443	158,825	99%
LOSSES & OMISSIONS	1,215	0	-0	-330	-	-788	-163	2,044	1,977	1%
TOTAL NET USAGE	22,237	3,049	29,015	7,572	-	20,979	73,902	4,045	160,802	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	477	477	98%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	9	9	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	486	486	
NET IMPORTS OF REGION	22,237	3,049	29,015	7,572	-	20,979	73,902	3,559	160,316	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.36%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 87 DULUTH-SUPERIOR MINNESOTA-WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,985	613	-	4,974	-	15,408	112	6,814	39,906	22%
INDUSTRIAL	10,434	6,411	-	5,236	-	5,668	14,146	11,044	52,939	29%
TRANSPORTATION	2,920	130	30,216	2,552	-	1,341	-	-	37,159	20%
MISCELLANEOUS USES	437	253	-	13	-	304	-	92	1,099	1%
TOTAL FINAL DEMAND SECTORS	25,776	7,407	30,216	12,775	-	22,721	14,258	17,950	131,103	72%
TRANSFORMATION										
ELECTRICITY GEN.	838	4,117	-	-	-	386	57,975	-22,316	41,000	23%
PETROLEUM PRODUCTS	-36,090	-15,444	-66,789	-31,002	143,301	7,223	-	-	1,199	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-35,252	-11,327	-66,789	-31,002	143,301	7,609	57,975	-22,316	42,199	23%
TOTAL GROSS FLOWS	26,614	11,524	30,216	12,775	143,301	30,330	72,233	17,950	173,302	95%
LOSSES & OMISSIONS	1,538	0	-0	-534	7,153	-1,098	-159	1,795	8,696	5%
TOTAL NET USAGE	-7,937	-3,920	-36,573	-18,761	150,454	29,232	72,073	-2,570	181,998	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,091	1,091	99%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,099	1,099	
NET IMPORTS OF REGION	-7,937	-3,920	-36,573	-18,761	150,454	29,232	72,073	-3,669	180,899	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 88 EAU CLAIRE WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,720	412	-	3,661	-	10,931	47	5,772	29,643	44%
INDUSTRIAL	1,264	460	-	777	-	1,162	2,609	3,589	9,861	15%
TRANSPORTATION	2,006	21	19,924	1,095	-	811	-	-	23,857	35%
MISCELLANEOUS USES	400	231	-	10	-	239	1	80	961	1%
TOTAL FINAL DEMAND SECTORS	12,390	1,124	19,924	5,543	-	13,143	2,757	9,441	64,322	95%
TRANSFORMATION										
ELECTRICITY GEN.	3,182	-	-	-	-	203	-	-942	2,443	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,182	-	-	-	-	203	-	-942	2,443	4%
TOTAL GROSS FLOWS	15,572	1,124	19,924	5,543	-	13,346	2,757	9,441	66,765	98%
LOSSES & OMISSIONS	900	0	-0	-231	-	-483	-6	944	1,123	2%
TOTAL NET USAGE	16,472	1,124	19,923	5,311	-	12,862	2,750	9,443	67,888	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,706	1,706	11%
NUCLEAR	-	-	-	-	-	-	-	13,913	13,913	89%
GEO.&SOLAR	-	-	-	-	-	-	-	4	4	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	15,623	15,623	
NET IMPORTS OF REGION	16,472	1,124	19,923	5,311	-	12,862	2,750	-6,179	52,265	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =72.17%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 89 LA CROSSE WISCONSIN 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,132	430	-	3,812	-	11,283	133	5,677	30,467	29%
INDUSTRIAL	2,673	1,130	-	1,800	-	1,583	4,345	5,018	16,549	16%
TRANSPORTATION	2,122	38	21,466	1,094	-	719	-	-	25,439	24%
MISCELLANEOUS USES	442	256	-	11	-	272	-	89	1,070	1%
TOTAL FINAL DEMAND SECTORS	14,369	1,854	21,466	6,717	-	13,857	4,478	10,784	73,525	71%
TRANSFORMATION										
ELECTRICITY GEN.	1,602	191	-	-	-	231	43,978	-16,344	29,658	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,602	191	-	-	-	231	43,978	-16,344	29,658	28%
TOTAL GROSS FLOWS	15,971	2,045	21,466	6,717	-	14,088	48,456	10,784	103,183	99%
LOSSES & OMISSIONS	923	0	-0	-280	-	-510	-106	1,078	1,104	1%
TOTAL NET USAGE	16,894	2,045	21,465	6,436	-	13,577	48,349	-4,481	104,287	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	196	196	25%
NUCLEAR	-	-	-	-	-	-	-	581	581	74%
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	782	782	
NET IMPORTS OF REGION	16,894	2,045	21,465	6,436	-	13,577	48,349	-5,263	103,505	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.47%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 90 ROCHESTER MINNESOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,095	481	-	3,271	-	10,021	62	4,558	26,488	34%
INDUSTRIAL	4,077	1,683	-	1,436	-	2,378	4,043	5,282	18,899	24%
TRANSPORTATION	2,339	37	20,267	837	-	374	-	-	23,854	31%
MISCELLANEOUS USES	238	133	-	6	-	143	-	47	572	1%
TOTAL FINAL DEMAND SECTORS	14,749	2,333	20,267	5,550	-	12,916	4,105	9,887	69,813	90%
TRANSFORMATION										
ELECTRICITY GEN.	624	763	-	-	-	213	8,573	-3,520	6,653	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	624	763	-	-	-	213	8,573	-3,520	6,653	9%
TOTAL GROSS FLOWS	15,373	3,102	20,267	5,550	-	13,129	12,678	9,887	76,466	99%
LOSSES & OMISSIONS	888	0	-0	-231	-	-475	-27	988	1,142	1%
TOTAL NET USAGE	16,261	3,102	20,266	5,318	-	12,653	12,650	7,355	77,608	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	43	43	90%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	10%
TOTAL SUPPLY	-	-	-	-	-	-	-	48	48	
NET IMPORTS OF REGION	16,261	3,102	20,266	5,318	-	12,653	12,650	7,307	77,560	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.40%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 91 MINNEAPOLIS-SAINT PAUL MINNESOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	102,654	6,524	-	41,302	-	129,178	831	59,852	340,341	29%
INDUSTRIAL	43,150	51,155	-	60,818	-	32,354	47,268	62,930	297,675	26%
TRANSPORTATION	35,099	1,212	254,143	27,651	-	12,496	1	-	330,602	28%
MISCELLANEOUS USES	2,711	1,568	-	68	-	1,675	4	548	6,574	1%
TOTAL FINAL DEMAND SECTORS	183,614	60,459	254,143	129,839	-	175,703	48,104	123,330	975,192	84%
TRANSFORMATION										
ELECTRICITY GEN.	9,711	3,625	-	-	-	2,689	223,814	-84,718	155,121	13%
PETROLEUM PRODUCTS	-101,252	-43,330	-187,378	-86,976	402,033	20,266	-	-	3,363	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-91,541	-39,705	-187,378	-86,976	402,033	22,955	223,814	-84,718	158,484	14%
TOTAL GROSS FLOWS	193,325	64,084	254,143	129,839	402,033	198,658	271,918	123,330	1,133,676	97%
LOSSES & OMISSIONS	11,176	1	-0	-5,427	20,070	-7,196	-598	12,334	30,359	3%
TOTAL NET USAGE	103,249	20,755	66,764	37,435	422,103	191,462	271,319	50,946	1,164,036	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	960	960	5%
NUCLEAR	-	-	-	-	-	-	-	19,067	19,067	95%
GEO. &SOLAR	-	-	-	-	-	-	-	56	56	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	20,083	20,083	
NET IMPORTS OF REGION	103,249	20,755	66,764	37,435	422,103	191,462	271,319	30,863	1,143,953	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 92 GRAND FORKS NORTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,685	529	-	3,919	-	8,033	36	6,268	24,475	35%
INDUSTRIAL	2,509	627	-	984	-	664	6,644	2,294	13,722	20%
TRANSPORTATION	5,150	35	20,665	1,851	-	580	-	-	28,281	41%
MISCELLANEOUS USES	432	182	-	20	-	245	-	123	1,003	1%
TOTAL FINAL DEMAND SECTORS	13,776	1,373	20,665	6,774	-	9,523	6,680	8,685	67,481	97%
TRANSFORMATION										
ELECTRICITY GEN.	407	-	-	-	-	122	1,040	-476	1,093	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	407	-	-	-	-	122	1,040	-476	1,093	2%
TOTAL GROSS FLOWS	14,183	1,373	20,665	6,774	-	9,650	7,720	8,685	68,574	99%
LOSSES & OMISSIONS	819	0	-0	-283	-	-349	-17	868	1,038	1%
TOTAL NET USAGE	15,002	1,373	20,664	6,490	-	9,300	7,702	9,077	69,612	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	28	28	20%
NUCLEAR	-	-	-	-	-	-	-	104	104	76%
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	137	137	
NET IMPORTS OF REGION	15,002	1,373	20,664	6,490	-	9,300	7,702	8,940	69,475	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =69.66%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 93 MINOT NORTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,874	399	-	3,212	-	6,018	15	5,555	18,073	20%
INDUSTRIAL	2,511	1,229	-	1,079	-	6,041	3,778	4,091	18,729	21%
TRANSPORTATION	4,412	3	15,490	1,650	-	324	-	-	21,879	24%
MISCELLANEOUS USES	350	124	-	20	-	194	-	112	800	1%
TOTAL FINAL DEMAND SECTORS	10,147	1,755	15,490	5,961	-	12,577	3,793	9,758	59,481	66%
TRANSFORMATION										
ELECTRICITY GEN.	361	-	-	-	-	110	42,407	-13,369	29,509	33%
PETROLEUM PRODUCTS	-4,026	-1,523	-7,030	-3,168	15,076	825	-	-	152	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,665	-1,523	-7,030	-3,168	15,076	935	42,407	-13,369	29,661	33%
TOTAL GROSS FLOWS	10,508	1,755	15,490	5,961	15,076	13,512	46,200	9,758	89,142	98%
LOSSES & OMISSIONS	607	0	-0	-249	752	-489	-101	975	1,495	2%
TOTAL NET USAGE	7,089	231	8,459	2,543	15,829	13,022	46,098	-2,635	90,638	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	132,815	22,542	114,695	-	270,052	100%
HYDROELECTRIC	-	-	-	-	-	-	-	16	16	0%
NUCLEAR	-	-	-	-	-	-	-	186	186	0%
GEO.&SOLAR	-	-	-	-	-	-	-	7	7	0%
TOTAL SUPPLY	-	-	-	-	132,815	22,542	114,695	209	270,261	
NET IMPORTS OF REGION	7,089	231	8,459	2,543	-116,985	-9,519	-68,596	-2,844	-179,622	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.96%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 94 GREAT FALLS MONTANA 1985

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,243	431	-	4,038	-	14,254	28	7,504	28,498	21%
INDUSTRIAL	2,999	1,343	-	6,856	-	9,097	15,450	24,808	61,053	46%
TRANSPORTATION	14,220	116	19,250	1,686	-	235	1	-	35,518	27%
MISCELLANEOUS USES	624	221	-	31	-	352	-	175	1,403	1%
TOTAL FINAL DEMAND SECTORS	20,086	2,511	19,260	12,611	-	23,938	15,479	32,487	126,472	95%
TRANSFORMATION										
ELECTRICITY GEN.	1,186	-	-	-	-	317	-	-463	1,040	1%
PETROLEUM PRODUCTS	-16,015	-3,025	-15,875	-6,772	34,016	2,125	-	-	453	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,829	-3,025	-15,875	-6,772	34,015	2,442	-	-463	1,493	1%
TOTAL GROSS FLOWS	21,272	2,611	19,260	12,611	34,015	26,380	15,479	32,487	127,965	95%
LOSSES & OMISSIONS	1,229	0	-0	-527	1,693	-955	-34	3,249	4,660	4%
TOTAL NET USAGE	12,486	-414	3,384	5,311	35,714	25,424	15,444	35,273	132,625	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	50,346	64,420	-	-	114,766	95%
HYDROELECTRIC	-	-	-	-	-	-	-	5,146	5,146	4%
NUCLEAR	-	-	-	-	-	-	-	620	620	1%
GEO.&SOLAR	-	-	-	-	-	-	-	23	23	0%
TOTAL SUPPLY	-	-	-	-	50,346	64,420	-	5,789	120,555	
NET IMPORTS OF REGION	12,486	-414	3,384	5,311	-14,631	-38,995	15,444	29,484	12,070	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =69.19%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.26%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 95 BILLINGS MONTANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,555	796	-	5,112	-	18,624	31	10,476	38,594	16%
INDUSTRIAL	6,297	12,459	-	16,851	-	15,636	3,809	16,667	71,719	29%
TRANSPORTATION	19,172	164	25,440	2,316	-	366	1	-	47,459	19%
MISCELLANEOUS USES	412	146	-	17	-	147	-	107	829	0%
TOTAL FINAL DEMAND SECTORS	29,436	13,565	25,440	24,296	-	34,773	3,841	27,250	158,601	64%
TRANSFORMATION										
ELECTRICITY GEN.	995	-	-	-	-	267	97,030	-30,650	67,642	27%
PETROLEUM PRODUCTS	-95,092	-28,730	-150,736	-64,303	322,987	20,180	-	-	4,306	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-94,097	-28,730	-150,736	-64,303	322,987	20,447	97,030	-30,650	71,948	29%
TOTAL GROSS FLOWS	30,431	13,565	25,440	24,296	322,987	55,220	100,871	27,250	230,549	93%
LOSSES & OMISSIONS	1,759	0	-0	-1,015	16,124	-2,000	-222	2,725	17,370	7%
TOTAL NET USAGE	-62,902	-15,165	-125,296	-41,022	339,111	53,220	100,648	-674	247,920	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	381,417	84,179	1,399,003	-	1,864,599	100%
HYDROELECTRIC	-	-	-	-	-	-	-	7,820	7,820	0%
NUCLEAR	-	-	-	-	-	-	-	520	520	0%
GEO.&SOLAR	-	-	-	-	-	-	-	19	19	0%
TOTAL SUPPLY	-	-	-	-	381,417	84,179	1,399,003	8,359	1,872,958	
NET IMPORTS OF REGION	-62,902	-15,165	-125,296	-41,022	-42,305	-30,958	-1,298,354	-9,033	-1,625,037	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 96 BISMARK NORTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,722	352	-	2,902	-	4,556	13	4,835	15,380	9%
INDUSTRIAL	2,610	19,562	-	11,054	-	822	3,819	1,826	39,693	24%
TRANSPORTATION	2,661	-	14,053	1,130	-	242	-	-	18,096	11%
MISCELLANEOUS USES	269	96	-	11	-	93	-	71	540	0%
TOTAL FINAL DEMAND SECTORS	8,262	20,010	14,063	15,097	-	5,713	3,832	6,732	73,709	44%
TRANSFORMATION										
ELECTRICITY GEN.	249	-	-	-	-	65	68,138	-21,347	47,105	28%
PETROLEUM PRODUCTS	-28,286	-12,105	-52,346	-24,297	112,311	5,661	-	-	938	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-38,300	80,060	-	41,760	25%
NET FUEL USED IN TRANSFORMATION	-28,037	-12,105	-52,346	-24,297	112,311	-32,573	148,198	-21,347	89,803	53%
TOTAL GROSS FLOWS	8,511	20,010	14,063	15,097	112,311	11,439	152,030	6,732	163,512	97%
LOSSES & OMISSIONS	492	0	-0	-631	5,606	-464	-334	673	5,392	3%
TOTAL NET USAGE	-19,282	7,905	-38,283	-9,831	117,917	-27,274	151,695	-13,941	168,904	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	40,922	21,581	524,512	-	587,015	99%
HYDROELECTRIC	-	-	-	-	-	-	-	7,008	7,008	1%
NUCLEAR	-	-	-	-	-	-	-	129	129	0%
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	40,922	21,581	524,512	7,142	594,157	
NET IMPORTS OF REGION	-19,282	7,905	-38,283	-9,831	76,995	-48,855	-372,816	-21,083	-425,252	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

BEA ECONOMIC AREA 97 FARGO-MOORHEAD NORTH DAKOTA-MINNESOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,294	795	-	5,585	-	11,710	52	9,169	35,605	35%
INDUSTRIAL	3,523	909	-	1,723	-	685	7,037	3,539	17,416	17%
TRANSPORTATION	7,141	46	29,473	2,097	-	691	-	-	39,448	39%
MISCELLANEOUS USES	450	191	-	16	-	195	-	109	961	1%
TOTAL FINAL DEMAND SECTORS	19,408	1,941	29,473	9,421	-	13,281	7,089	12,817	93,430	93%
TRANSFORMATION										
ELECTRICITY GEN.	641	636	-	-	-	180	6,829	-2,871	5,415	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	641	636	-	-	-	180	6,829	-2,871	5,415	5%
TOTAL GROSS FLOWS	20,049	2,577	29,473	9,421	-	13,461	13,918	12,817	98,845	98%
LOSSES & OMISSIONS	1,159	0	-0	-393	-	-487	-30	1,281	1,528	2%
TOTAL NET USAGE	21,208	2,577	29,472	9,027	-	12,973	13,887	11,227	100,373	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	65	65	29%
NUCLEAR	-	-	-	-	-	-	-	153	153	68%
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	226	226	
NET IMPORTS OF REGION	21,208	2,577	29,472	9,027	-	12,973	13,887	11,001	100,147	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.35%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 98 ABERDEEN SOUTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,488	21	-	2,375	-	4,084	4	5,847	13,819	30%
INDUSTRIAL	1,327	163	-	878	-	145	955	835	4,303	9%
TRANSPORTATION	1,302	-	11,755	596	-	220	-	-	13,873	30%
MISCELLANEOUS USES	208	74	-	9	-	72	-	54	417	1%
TOTAL FINAL DEMAND SECTORS	4,325	258	11,755	3,858	-	4,521	959	6,736	32,412	70%
TRANSFORMATION										
ELECTRICITY GEN.	272	-	-	-	-	66	19,059	-6,048	13,349	29%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	272	-	-	-	-	66	19,059	-6,048	13,349	29%
TOTAL GROSS FLOWS	4,597	258	11,755	3,858	-	4,587	20,018	6,736	45,761	99%
LOSSES & OMISSIONS	265	0	-0	-161	-	-166	-44	673	567	1%
TOTAL NET USAGE	4,862	258	11,754	3,696	-	4,420	19,973	1,361	46,328	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	11	11	8%
NUCLEAR	-	-	-	-	-	-	-	129	129	89%
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	145	145	
NET IMPORTS OF REGION	4,862	258	11,754	3,696	-	4,420	19,973	1,216	46,183	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 99 SIOUX FALLS SOUTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,991	204	-	5,810	-	12,281	32	12,849	37,167	41%
INDUSTRIAL	4,747	1,300	-	2,214	-	1,647	2,510	4,261	16,679	18%
TRANSPORTATION	2,739	13	30,128	939	-	366	-	-	34,185	37%
MISCELLANEOUS USES	401	156	-	15	-	161	-	97	830	1%
TOTAL FINAL DEMAND SECTORS	13,878	1,673	30,128	8,978	-	14,455	2,542	17,207	88,861	97%
TRANSFORMATION										
ELECTRICITY GEN.	1,043	397	-	-	-	205	-	-476	1,169	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,043	397	-	-	-	205	-	-476	1,169	1%
TOTAL GROSS FLOWS	14,921	2,070	30,128	8,978	-	14,660	2,542	17,207	90,030	98%
LOSSES & OMISSIONS	862	0	-0	-375	-	-531	-5	1,720	1,671	2%
TOTAL NET USAGE	15,783	2,070	30,127	8,602	-	14,128	2,536	18,451	91,701	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	28	28	10%
NUCLEAR	-	-	-	-	-	-	-	232	232	86%
GEO.&SOLAR	-	-	-	-	-	-	-	11	11	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	271	271	
NET IMPORTS OF REGION	15,783	2,070	30,127	8,602	-	14,128	2,536	18,180	91,430	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.06%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 100 RAPID CITY SOUTH DAKOTA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,979	89	-	4,666	-	8,546	8	11,614	27,902	38%
INDUSTRIAL	3,896	1,290	-	1,332	-	3,167	1,025	1,472	12,182	16%
TRANSPORTATION	2,962	7	23,325	910	-	333	-	-	27,537	37%
MISCELLANEOUS USES	383	136	-	23	-	216	-	134	892	1%
TOTAL FINAL DEMAND SECTORS	10,220	1,522	23,325	6,931	-	12,262	1,033	13,220	68,513	92%
TRANSFORMATION										
ELECTRICITY GEN.	766	-	-	-	-	129	3,596	-1,399	3,092	4%
PETROLEUM PRODUCTS	-6,663	-2,013	-10,563	-4,506	22,633	1,414	-	-	301	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-5,897	-2,013	-10,563	-4,506	22,633	1,543	3,596	-1,399	3,393	5%
TOTAL GROSS FLOWS	10,986	1,522	23,325	6,931	22,633	13,805	4,629	13,220	71,906	97%
LOSSES & OMISSIONS	635	0	-0	-289	1,129	-500	-10	1,322	2,287	3%
TOTAL NET USAGE	4,957	-491	12,761	2,135	23,763	13,305	4,618	13,143	74,193	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	31,315	1,472	-	-	32,787	64%
HYDROELECTRIC	-	-	-	-	-	-	-	17,887	17,887	35%
NUCLEAR	-	-	-	-	-	-	-	253	253	0%
GEO.&SOLAR	-	-	-	-	-	-	-	10	10	0%
TOTAL SUPPLY	-	-	-	-	31,315	1,472	-	18,150	50,937	
NET IMPORTS OF REGION	4,957	-491	12,761	2,135	-7,551	11,833	4,618	-5,006	23,256	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.85%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 101 SCOTTSBLUFF NEBRASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,230	106	-	1,641	-	5,205	13	2,450	10,645	32%
INDUSTRIAL	1,046	296	-	526	-	5,287	832	1,953	9,940	30%
TRANSPORTATION	1,856	60	8,152	744	-	188	-	2	11,002	33%
MISCELLANEOUS USES	87	19	-	3	-	30	-	13	152	0%
TOTAL FINAL DEMAND SECTORS	4,219	481	8,152	2,914	-	10,710	845	4,418	31,739	96%
TRANSFORMATION										
ELECTRICITY GEN.	241	-	-	-	-	533	-	-224	550	2%
PETROLEUM PRODUCTS	-2,619	-1,120	-4,846	-2,249	10,399	524	-	-	87	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-2,378	-1,120	-4,846	-2,249	10,399	1,057	-	-224	637	2%
TOTAL GROSS FLOWS	4,460	481	8,152	2,914	10,399	11,767	845	4,418	32,376	98%
LOSSES & OMISSIONS	257	0	-0	-121	519	-426	-1	441	668	2%
TOTAL NET USAGE	2,098	-639	3,305	542	10,918	11,340	843	4,635	33,044	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	28,789	7,182	-	-	35,971	100%
HYDROELECTRIC	-	-	-	-	-	-	-	4	4	0%
NUCLEAR	-	-	-	-	-	-	-	11	11	0%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	28,739	7,182	-	15	35,986	
NET IMPORTS OF REGION	2,098	-639	3,305	542	-17,870	4,158	843	4,620	-2,941	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.06%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 102 GRAND ISLAND NEBRASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIBS MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,075	215	-	5,815	-	18,254	57	8,438	36,854	22%
INDUSTRIAL	2,061	550	-	3,066	-	5,836	2,437	6,623	20,573	13%
TRANSPORTATION	6,314	174	27,953	1,951	-	477	-	7	36,876	22%
MISCELLANEOUS USES	486	100	-	18	-	168	-	68	840	1%
TOTAL FINAL DEMAND SECTORS	12,936	1,039	27,953	10,850	-	24,735	2,494	15,136	95,143	58%
TRANSFORMATION										
ELECTRICITY GEN.	1,558	-	-	-	-	1,936	88,029	-23,150	68,383	42%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,558	-	-	-	-	1,936	88,029	-23,150	68,383	42%
TOTAL GROSS FLOWS	14,504	1,039	27,953	10,850	-	26,671	90,523	15,136	163,526	100%
LOSSES & OMISSIONS	838	0	-0	-453	-	-966	-199	1,513	733	0%
TOTAL NET USAGE	15,342	1,039	27,952	10,396	-	25,704	90,323	-6,500	164,259	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	14,776	2	-	-	14,778	93%
HYDROELECTRIC	-	-	-	-	-	-	-	1,068	1,068	7%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	14,776	2	-	1,068	15,846	
NET IMPORTS OF REGION	15,342	1,039	27,952	10,396	-14,776	25,702	90,323	-7,568	148,413	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 103 SIOUX CITY IOWA-NEBRASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,555	141	-	7,714	-	21,605	42	11,481	46,538	23%
INDUSTRIAL	3,641	770	-	3,394	-	5,355	4,362	8,136	25,658	13%
TRANSPORTATION	8,044	13	36,310	1,036	-	316	-	1	45,720	23%
MISCELLANEOUS USES	588	131	-	22	-	204	-	89	1,034	1%
TOTAL FINAL DEMAND SECTORS	17,828	1,055	36,310	12,166	-	27,480	4,404	19,707	118,950	60%
TRANSFORMATION										
ELECTRICITY GEN.	2,252	-	-	-	-	37	102,799	-26,539	78,549	39%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,252	-	-	-	-	37	102,799	-26,539	78,549	39%
TOTAL GROSS FLOWS	20,080	1,055	36,310	12,166	-	27,517	107,203	19,707	197,499	99%
LOSSES & OMISSIONS	1,160	0	-0	-508	-	-996	-236	1,970	1,390	1%
TOTAL NET USAGE	21,240	1,055	36,309	11,657	-	26,520	106,966	-4,861	198,889	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9,396	9,396	99%
NUCLEAR	-	-	-	-	-	-	-	72	72	1%
GEO.&SOLAR	-	-	-	-	-	-	-	3	3	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	9,471	9,471	
NET IMPORTS OF REGION	21,240	1,055	36,309	11,657	-	26,520	106,966	-14,332	189,418	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 104 FORT DODGE IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,528	60	-	6,531	-	13,505	17	5,544	27,186	34%
INDUSTRIAL	2,246	2,375	-	6,139	-	3,585	2,717	5,801	20,864	26%
TRANSPORTATION	5,511	-	20,641	713	-	235	-	-	27,100	34%
MISCELLANEOUS USES	425	87	-	16	-	143	-	59	730	1%
TOTAL FINAL DEMAND SECTORS	11,710	2,522	20,641	9,399	-	17,470	2,734	11,404	75,880	95%
TRANSFORMATION										
ELECTRICITY GEN.	1,161	-	-	-	-	417	3,268	-1,274	3,572	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,161	-	-	-	-	417	3,268	-1,274	3,572	4%
TOTAL GROSS FLOWS	12,871	2,522	20,641	9,399	-	17,887	6,002	11,404	79,452	99%
LOSSES & OMISSIONS	744	0	-0	-392	-	-647	-13	1,140	830	1%
TOTAL NET USAGE	13,615	2,522	20,640	9,006	-	17,239	5,988	11,270	80,282	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9	9	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	9	9	
NET IMPORTS OF REGION	13,615	2,522	20,640	9,006	-	17,239	5,988	11,261	80,273	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =73.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 105 WATERLOO IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,866	97	-	7,550	-	22,517	32	9,224	45,286	37%
INDUSTRIAL	3,014	883	-	4,835	-	6,562	4,404	8,238	27,936	23%
TRANSPORTATION	4,942	-	34,381	816	-	270	-	-	40,409	33%
MISCELLANEOUS USES	555	114	-	21	-	189	-	77	956	1%
TOTAL FINAL DEMAND SECTORS	14,377	1,094	34,381	13,222	-	29,538	4,436	17,539	114,587	94%
TRANSFORMATION										
ELECTRICITY GEN.	3,025	-	-	-	-	1,066	4,313	-2,257	6,147	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,025	-	-	-	-	1,066	4,313	-2,257	6,147	5%
TOTAL GROSS FLOWS	17,402	1,094	34,381	13,222	-	30,604	8,749	17,539	120,734	99%
LOSSES & OMISSIONS	1,006	0	-0	-552	-	-1,108	-19	1,754	1,079	1%
TOTAL NET USAGE	18,408	1,094	34,380	12,669	-	29,495	8,729	17,036	121,813	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	64	64	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-		-	-	-	-	-	64	64	
NET IMPORTS OF REGION	18,408	1,094	34,380	12,669	-	29,495	8,729	16,972	121,749	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =73.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 106 DES MOINES IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,659	245	-	14,745	-	45,081	66	18,799	90,595	32%
INDUSTRIAL	4,524	2,618	-	10,955	-	9,999	5,837	13,365	47,298	17%
TRANSPORTATION	14,203	-	66,770	1,597	-	523	1	-	83,094	29%
MISCELLANEOUS USES	1,410	289	-	54	-	483	1	196	2,433	1%
TOTAL FINAL DEMAND SECTORS	31,796	3,152	66,770	27,351	-	56,086	5,905	32,360	223,420	79%
TRANSFORMATION										
ELECTRICITY GEN.	4,321	-	-	-	-	12	73,129	-19,634	57,828	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,321	-	-	-	-	12	73,129	-19,634	57,828	20%
TOTAL GROSS FLOWS	36,117	3,152	66,770	27,351	-	56,098	79,034	32,360	281,248	99%
LOSSES & OMISSIONS	2,088	0	-0	-1,143	-	-2,032	-174	3,236	1,974	1%
TOTAL NET USAGE	38,205	3,152	66,769	26,207	-	54,065	78,859	15,962	283,222	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	12,633	-	12,633	56%
HYDROELECTRIC	-	-	-	-	-	-	-	63	63	0%
NUCLEAR	-	-	-	-	-	-	-	9,781	9,781	44%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	12,633	9,844	22,477	
NET IMPORTS OF REGION	38,205	3,152	66,769	26,207	-	54,065	66,226	6,118	260,745	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 107 OMAHA NEBRASKA-IOWA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,322	507	-	15,545	-	48,316	131	21,834	97,655	28%
INDUSTRIAL	6,123	6,399	-	15,634	-	16,794	9,717	13,555	68,222	19%
TRANSPORTATION	24,419	398	73,659	2,192	-	555	1	17	101,241	29%
MISCELLANEOUS USES	1,164	239	-	63	-	708	1	238	2,413	1%
TOTAL FINAL DEMAND SECTORS	43,028	7,543	73,659	33,434	-	66,373	9,850	35,644	269,531	77%
TRANSFORMATION										
ELECTRICITY GEN.	3,105	-	-	-	-	-	102,275	-26,613	78,767	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,105	-	-	-	-	-	102,275	-26,613	78,767	22%
TOTAL GROSS FLOWS	46,133	7,543	73,659	33,434	-	66,373	112,125	35,644	348,298	99%
LOSSES & OMISSIONS	2,667	0	-0	-1,397	-	-2,404	-246	3,564	2,183	1%
TOTAL NET USAGE	48,800	7,543	73,658	32,036	-	63,968	111,878	12,595	350,481	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	611	611	4%
NUCLEAR	-	-	-	-	-	-	-	13,082	13,082	96%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	13,693	13,693	
NET IMPORTS OF REGION	48,800	7,543	73,658	32,036	-	63,968	111,878	-1,097	336,788	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 108 LINCOLN NEBRASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,475	263	-	6,173	-	19,647	62	9,315	39,935	28%
INDUSTRIAL	2,198	1,667	-	4,883	-	7,341	3,584	5,786	25,459	18%
TRANSPORTATION	6,216	130	29,561	742	-	173	-	6	36,833	25%
MISCELLANEOUS USES	725	148	-	28	-	249	1	102	1,253	1%
TOTAL FINAL DEMAND SECTORS	13,614	2,208	29,561	11,826	-	27,415	3,647	15,209	103,480	72%
TRANSFORMATION										
ELECTRICITY GEN.	1,728	-	-	-	-	-	52,282	-13,645	40,365	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,728	-	-	-	-	-	52,282	-13,645	40,365	28%
TOTAL GROSS FLOWS	15,342	2,208	29,561	11,826	-	27,415	55,929	15,209	143,845	99%
LOSSES & OMISSIONS	886	0	-0	-494	-	-993	-123	1,521	797	1%
TOTAL NET USAGE	16,228	2,208	29,560	11,331	-	26,421	55,805	3,085	144,642	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	263	-	-	-	263	4%
HYDROELECTRIC	-	-	-	-	-	-	-	122	122	2%
NUCLEAR	-	-	-	-	-	-	-	6,341	6,341	94%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	263	-	-	6,463	6,726	
NET IMPORTS OF REGION	16,228	2,208	29,560	11,331	-263	26,421	55,805	-3,377	137,916	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.74%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 109 SALINA KANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	884	46	-	5,267	-	18,816	21	7,299	32,333	24%
INDUSTRIAL	2,049	5,299	-	12,383	-	25,748	647	10,977	57,103	42%
TRANSPORTATION	3,536	10	28,651	541	-	178	-	-	32,916	24%
MISCELLANEOUS USES	303	62	-	12	-	120	-	43	540	0%
TOTAL FINAL DEMAND SECTORS	6,772	5,417	28,651	18,203	-	44,862	668	18,319	122,892	90%
TRANSFORMATION										
ELECTRICITY GEN.	1,068	-	-	-	-	2,524	-	-1,034	2,558	2%
PETROLEUM PRODUCTS	-47,169	-20,186	-87,291	-40,518	187,290	9,441	-	-	1,567	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-46,101	-20,186	-87,291	-40,518	187,290	11,965	-	-1,034	4,125	3%
TOTAL GROSS FLOWS	7,840	5,417	28,651	18,203	187,290	56,827	668	18,319	127,017	94%
LOSSES & OMISSIONS	453	0	-0	-760	9,349	-2,058	-1	1,832	8,814	6%
TOTAL NET USAGE	-38,875	-14.768	-58,640	-23,075	196,639	54,768	666	19,117	135,831	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	151,559	3,532	-	-	155,091	94%
HYDROELECTRIC	-	-	-	-	-	-	-	15	15	0%
NUCLEAR	-	-	-	-	-	-	-	9,373	9,373	6%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	151,559	3,532	-	9,388	164,479	
NET IMPORTS OF REGION	-38,875	-14,768	-58,640	-23,075	45,080	51,236	666	9,729	-28,647	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.21%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 110 WICHITA KANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,916	110	-	11,136	-	40,425	48	16,304	69,939	24%
INDUSTRIAL	3,286	12,253	-	29,260	-	40,918	1,925	16,908	104,550	36%
TRANSPORTATION	8,259	20	60,293	1,393	-	459	-	-	70,424	24%
MISCELLANEOUS USES	666	137	-	36	-	382	-	103	1,324	0%
TOTAL FINAL DEMAND SECTORS	14,127	12,520	60,293	41,825	-	82,184	1,973	33,315	246,237	86%
TRANSFORMATION										
ELECTRICITY GEN.	2,304	-	-	-	-	20,918	-	-6,701	16,521	6%
PETROLEUM PRODUCTS	-116,510	-49,860	-215,616	-100,083	462,619	23,320	-	-	3,870	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-114,206	-49,860	-215,616	-100,083	462,619	44,238	-	-6,701	20,391	7%
TOTAL GROSS FLOWS	16,431	12,520	60,293	41,825	462,619	126,422	1,973	33,315	266,628	93%
LOSSES & OMISSIONS	949	0	-0	-1,748	23,094	-4,579	-4	3,331	21,044	7%
TOTAL NET USAGE	-99,129	-37,339	-155,323	-60,006	485,713	121,843	1,968	29,945	287,673	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	237,375	969,461	-	-	1,206,836	100%
HYDROELECTRIC	-	-	-	-	-	-	-	28	28	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	237,375	969,461	-	28	1,206,864	
NET IMPORTS OF REGION	-99,129	-37,339	-155,323	-60,006	248,338	-847,617	1,968	29,917	-919,190	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 111 KANSAS CITY MISSOURI-KANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	20,486	1,729	-	39,343	-	124,817	159	55,117	241,651	20%
INDUSTRIAL	9,891	19,233	-	99,167	-	86,902	23,012	33,729	271,934	22%
TRANSPORTATION	49,059	151	192,942	33,704	-	6,882	3	22	282,763	23%
MISCELLANEOUS USES	5,290	1,086	-	263	-	2,719	6	799	10,163	1%
TOTAL FINAL DEMAND SECTORS	84,726	22,199	192,942	172,477	-	221,320	23,180	89,667	806,511	67%
TRANSFORMATION										
ELECTRICITY GEN.	12,001	-	-	-	-	21,604	480,402	-130,509	383,498	32%
PETROLEUM PRODUCTS	-103,190	-44,160	-190,965	-88,641	409,729	20,654	-	-	3,427	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-91,189	-44,160	-190,965	-88,641	409,729	42,258	480,402	-130,509	386,925	32%
TOTAL GROSS FLOWS	96,727	22,199	192,942	172,477	409,729	263,578	503,582	89,667	1,193,436	99%
LOSSES & OMISSIONS	5,592	0	-0	-7,209	20,454	-9,547	-1,109	8,967	17,147	1%
TOTAL NET USAGE	-870	-21,960	1,976	76,626	430,183	254,030	502,472	-31,874	1,210,583	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,816	1,045	75,267	-	82,128	99%
HYDROELECTRIC	-	-	-	-	-	-	-	459	459	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	5,816	1,045	75,267	459	82,587	
NET IMPORTS OF REGION	-870	-21,960	1,976	76,626	424,367	252,985	427,205	-32,333	1,127,996	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.61%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 112 COLUMBIA MISSOURI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,503	579	-	8,240	-	22,927	30	10,481	48,760	23%
INDUSTRIAL	1,233	488	-	6,665	-	7,443	4,413	5,037	25,279	12%
TRANSPORTATION	4,771	7	37,382	2,805	-	487	-	6	45,458	22%
MISCELLANEOUS USES	1,193	245	-	46	-	406	1	166	2,057	1%
TOTAL FINAL DEMAND SECTORS	13,700	1,319	37,382	17,756	-	31,263	4,444	15,690	121,554	58%
TRANSFORMATION										
ELECTRICITY GEN.	2,161	-	-	-	-	693	114,301	-29,570	87,590	42%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,161	-	-	-	-	693	114,301	-29,570	87,590	42%
TOTAL GROSS FLOWS	15,861	1,319	37,382	17,756	-	31,961	118,745	15,690	209,144	100%
LOSSES & OMISSIONS	916	0	-0	-742	-	-1,157	-261	1,569	324	0%
TOTAL NET USAGE	16,777	1,319	37,381	17,013	-	30,803	118,483	-12,310	209,468	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	37,878	-	37,878	64%
HYDROELECTRIC	-	-	-	-	-	-	-	2,984	2,984	5%
NUCLEAR	-	-	-	-	-	-	-	18,747	18,747	31%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	37,878	21,731	59,609	
NET IMPORTS OF REGION	16,777	1,319	37,381	17,013	-	30,803	80,605	-34,041	149,859	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.76%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 113 QUINCY ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,123	829	-	4,076	-	14,546	55	5,332	29,961	29%
INDUSTRIAL	2,581	1,663	-	9,427	-	8,035	6,704	6,515	34,925	34%
TRANSPORTATION	3,698	10	20,177	910	-	309	-	8	25,112	24%
MISCELLANEOUS USES	224	72	-	8	-	96	-	36	436	0%
TOTAL FINAL DEMAND SECTORS	11,626	2,574	20,177	14,421	-	22,986	6,759	11,891	90,434	88%
TRANSFORMATION										
ELECTRICITY GEN.	995	-	-	-	-	109	14,594	-4,093	11,605	11%
PETROLEUM PRODUCTS	-942	-403	-1,744	-809	3,743	188	-	-	31	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	52	-403	-1,744	-809	3,743	297	14,594	-4,093	11,636	11%
TOTAL GROSS FLOWS	12,621	2,574	20,177	14,421	3,743	23,283	21,353	11,891	102,070	99%
LOSSES & OMISSIONS	729	0	-0	-602	186	-843	-47	1,189	612	1%
TOTAL NET USAGE	12,407	2,170	18,432	13,008	3,930	22,440	21,305	8,987	102,682	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	21	-	-	-	21	1%
HYDROELECTRIC	-	-	-	-	-	-	-	1,470	1,470	98%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2	2	0%
TOTAL SUPPLY	-	-	-	-	21	-	-	1,472	1,493	
NET IMPORTS OF REGION	12,407	2,170	18,432	13,008	3,909	22,440	21,305	7,515	101,189	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =73.93%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.79%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 114 ST. LOUIS MISSOURI-ILLINOIS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	54,200	9,082	-	47,523	-	157,425	524	63,847	332,601	23%
INDUSTRIAL	20,148	13,425	-	106,004	-	83,736	67,319	41,492	332,174	23%
TRANSPORTATION	42,747	199	228,886	20,995	-	4,952	2	190	297,981	20%
MISCELLANEOUS USES	6,315	1,872	-	259	-	3,136	7	1,069	12,718	1%
TOTAL FINAL DEMAND SECTORS	123,410	24,578	228,886	174,781	-	249,369	67,852	106,598	975,474	66%
TRANSFORMATION										
ELECTRICITY GEN.	6,179	9,300	-	-	-	846	609,651	-186,717	439,259	30%
PETROLEUM PRODUCTS	-237,154	-101,489	-438,880	-203,716	941,648	47,468	-	-	7,877	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-230,975	-92,189	-438,880	-203,716	941,648	48,314	609,651	-186,717	447,136	30%
TOTAL GROSS FLOWS	129,589	33,878	228,886	174,781	941,648	297,683	677,503	106,598	1,422,610	97%
LOSSES & OMISSIONS	7,492	0	-0	-7,306	47,008	-10,783	-1,492	10,660	45,580	3%
TOTAL NET USAGE	-100,072	-67,610	-209,994	-36,241	988,656	286,900	676,010	-69,458	1,468,190	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	71,859	336	1,375,293	-	1,447,488	100%
HYDROELECTRIC	-	-	-	-	-	-	-	848	848	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	18	18	0%
TOTAL SUPPLY	-	-	-	-	71,859	336	1,375,293	866	1,448,354	
NET IMPORTS OF REGION	-100,072	-67,610	-209,994	-36,241	916,797	286,564	-699,282	-70,324	19,836	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =70.17%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 115 PADUCAH KENTUCKY 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,270	785	-	7,887	-	24,079	106	14,290	53,417	16%
INDUSTRIAL	2,566	1,669	-	9,744	-	15,134	13,259	24,060	66,432	20%
TRANSPORTATION	7,597	21	44,912	5,429	-	866	-	7	58,832	18%
MISCELLANEOUS USES	755	259	-	27	-	422	-	164	1,627	0%
TOTAL FINAL DEMAND SECTORS	17,188	2,734	44,912	23,087	-	40,501	13,365	38,521	180,308	54%
TRANSFORMATION										
ELECTRICITY GEN.	4,896	-	-	-	-	480	212,959	-68,557	149,778	45%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,896	-	-	-	-	480	212,959	-68,557	149,778	45%
TOTAL GROSS FLOWS	22,084	2,734	44,912	23,087	-	40,981	226,324	38,521	330,086	99%
LOSSES & OMISSIONS	1,276	0	-0	-965	-	-1,484	-498	3,852	2,181	1%
TOTAL NET USAGE	23,360	2,734	44,911	22,121	-	39,496	225,825	-26,183	332,267	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	159	-	159	3%
HYDROELECTRIC	-	-	-	-	-	-	-	4,848	4,848	97%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	1	1	0%
TOTAL SUPPLY	-	-	-	-	-	-	159	4,849	5,008	
NET IMPORTS OF REGION	23,360	2,734	44,911	22,121	-	39,496	225,666	-31,032	327,259	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.60%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 116 SPRINGFIELD MISSOURI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,318	874	-	15,841	-	47,694	52	20,925	94,704	27%
INDUSTRIAL	5,379	6,808	-	23,930	-	36,149	12,733	14,656	99,655	28%
TRANSPORTATION	15,183	24	78,638	4,831	-	1,082	1	10	99,769	28%
MISCELLANEOUS USES	1,149	333	-	41	-	405	-	163	2,091	1%
TOTAL FINAL DEMAND SECTORS	31,029	8,039	78,638	44,643	-	85,330	12,786	35,754	296,219	33%
TRANSFORMATION										
ELECTRICITY GEN.	3,358	-	-	-	-	6,569	61,889	-18,438	53,378	15%
PETROLEUM PRODUCTS	-25,944	-11,530	-49,862	-23,145	106,983	5,393	-	-	895	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-23,586	-11,530	-49,862	-23,145	106,983	11,962	61,889	-18,438	54,273	15%
TOTAL GROSS FLOWS	34,337	8,039	78,638	44,643	106,983	97,292	74,675	35,754	350,492	98%
LOSSES & OMISSIONS	1,988	0	-0	-1,866	5,340	-3,524	-164	3,575	5,349	2%
TOTAL NET USAGE	9,431	-3,490	28,775	19,631	112,323	93,767	74,510	20,891	355,841	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,291	1,286	58,786	-	67,363	35%
HYDROELECTRIC	-	-	-	-	-	-	-	11,472	11,472	15%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2	2	0%
TOTAL SUPPLY	-	-	-	-	7,291	1,286	58,786	11,474	78,837	
NET IMPORTS OF REGION	9,431	-3,490	28,775	19,631	105,032	92,481	15,724	9,417	277,004	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.33%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 117 LITTLE ROCK-NORTH LITTLE ROCK ARKANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,427	3,532	-	12,890	-	47,934	4	25,133	98,920	15%
INDUSTRIAL	19,893	67,369	-	64,732	-	85,638	4,721	27,152	269,505	42%
TRANSPORTATION	31,135	-	81,436	5,814	-	2,441	1	-	120,827	19%
MISCELLANEOUS USES	1,602	1,488	-	33	-	908	-	290	4,321	1%
TOTAL FINAL DEMAND SECTORS	62,057	72,389	81,436	83,469	-	136,921	4,726	52,575	493,573	77%
TRANSFORMATION										
ELECTRICITY GEN.	4,895	-	-	-	-	25,092	194,976	-74,437	150,526	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,895	-	-	-	-	25,092	194,976	-74,437	150,526	23%
TOTAL GROSS FLOWS	66,952	72,389	81,436	83,469	-	162,013	199,702	52,575	644,099	100%
LOSSES & OMISSIONS	3,870	1	-0	-3,489	-	-5,868	-439	5,258	-667	0%
TOTAL NET USAGE	70,822	72,390	81,435	79,979	-	156,144	199,262	-16,603	643,431	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,560	17,350	5,624	-	28,534	53%
HYDROELECTRIC	-	-	-	-	-	-	-	3,634	3,634	7%
NUCLEAR	-	-	-	-	-	-	-	21,263	21,263	40%
GEO.&SOLAR	-	-	-	-	-	-	-	14	14	0%
TOTAL SUPPLY	-	-	-	-	5,560	17,350	5,624	24,911	53,445	
NET IMPORTS OF REGION	70,822	72,390	81,435	79,979	-5,560	138,794	193,638	-41,514	589,986	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.91%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 118 FORT SMITH ARKANSAS-OKLAHOMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID-SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,760	1,253	-	5,542	-	22,018	2	11,586	44,161	31%
INDUSTRIAL	3,589	11,048	-	2,829	-	18,771	678	3,809	40,124	28%
TRANSPORTATION	8,975	-	36,809	4,261	-	1,923	-	-	51,968	37%
MISCELLANEOUS USES	1,128	1,048	-	21	-	504	-	184	2,885	2%
TOTAL FINAL DEMAND SECTORS	17,452	13,349	36,809	12,653	-	42,816	680	15,579	139,138	98%
TRANSFORMATION										
ELECTRICITY GEN.	1,450	-	-	-	-	1,775	-	-1,043	2,182	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,450	-	-	-	-	1,775	-	-1,043	2,182	2%
TOTAL GROSS FLOWS	18,902	13,349	36,809	12,653	-	44,391	680	15,579	141,320	100%
LOSSES & OMISSIONS	1,092	0	-0	-528	-	-1,607	-1	1,558	512	0%
TOTAL NET USAGE	19,994	13,349	36,808	12,124	-	42,783	678	16,094	141,832	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	52,135	296,365	25,490	-	373,990	98%
HYDROELECTRIC	-	-	-	-	-	-	-	5,941	5,941	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	4	4	0%
TOTAL SUPPLY	-	-	-	-	52,135	296,365	25,490	5,945	379,935	
NET IMPORTS OF REGION	19,994	13,349	36,808	12,124	-52,135	-253,581	-24,811	10,149	-238,102	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.66%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 119 TULSA OKLAHOMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,432	1,308	-	13,802	-	56,115	5	28,717	107,379	11%
INDUSTRIAL	7,944	25,343	-	116,937	-	302,018	4,812	22,708	479,762	51%
TRANSPORTATION	17,206	-	96,927	12,237	-	5,666	-	-	132,036	14%
MISCELLANEOUS USES	1,266	1,176	-	24	-	574	-	212	3,252	0%
TOTAL FINAL DEMAND SECTORS	33,848	27,827	96,927	143,000	-	364,373	4,817	51,637	722,429	77%
TRANSFORMATION										
ELECTRICITY GEN.	4,808	-	-	-	-	70,884	209,739	-94,431	191,000	20%
PETROLEUM PRODUCTS	-173,904	-74,421	-321,829	-149,384	690,508	34,808	-	-	5,778	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-169,096	-74,421	-321,829	-149,384	690,508	105,692	209,739	-94,431	196,778	21%
TOTAL GROSS FLOWS	38,556	27,827	96,927	143,000	690,508	470,065	214,556	51,637	919,207	98%
LOSSES & OMISSIONS	2,234	0	-0	-5,977	34,471	-17,027	-472	5,164	18,393	2%
TOTAL NET USAGE	-133,013	-46,593	-224,902	-12,361	724,979	453,038	214,083	-37,629	937,600	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	86,493	11,162	35,142	-	132,797	79%
HYDROELECTRIC	-	-	-	-	-	-	-	6,686	6,686	4%
NUCLEAR	-	-	-	-	-	-	-	27,978	27,978	17%
GEO.&SOLAR	-	-	-	-	-	-	-	14	14	0%
TOTAL SUPPLY	-	-	-	-	86,493	11,162	35,142	34,678	167,475	
NET IMPORTS OF REGION	-133,013	-46,593	-224,902	-12,361	638,486	441,876	178,941	-72,307	770,125	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.92%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 120 OKLAHOMA CITY OKLAHOMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,086	7,167	-	15,675	-	65,238	5	33,744	123,915	18%
INDUSTRIAL	4,154	13,543	-	42,421	-	227,027	2,292	13,061	302,498	45%
TRANSPORTATION	24,975	-	111,677	5,460	-	2,339	-	-	144,451	22%
MISCELLANEOUS USES	4,376	4,063	-	85	-	2,093	-	784	11,401	2%
TOTAL FINAL DEMAND SECTORS	41,591	18,773	111,677	63,641	-	296,697	2,297	47,589	582,265	87%
TRANSFORMATION										
ELECTRICITY GEN.	4,432	-	-	-	-	101,275	-	-34,486	71,221	11%
PETROLEUM PRODUCTS	-116,482	-49,843	-215,562	-100,058	462,505	23,314	-	-	3,869	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-112,050	-49,843	-215,562	-100,058	462,505	124,539	-	-34,486	75,090	11%
TOTAL GROSS FLOWS	46,023	18,773	111,677	63,641	462,505	421,236	2,297	47,589	657,355	98%
LOSSES & OMISSIONS	2,660	0	-0	-2,660	23,089	-15,260	-5	4,759	12,583	2%
TOTAL NET USAGE	-67,798	-31,074	-103,885	-39,077	485,594	406,026	2,291	17,862	669,939	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	481,862	897,942	-	-	1,379,804	100%
HYDROELECTRIC	-	-	-	-	-	-	-	29	29	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	12	12	0%
TOTAL SUPPLY	-	-	-	-	481,862	897,942	-	41	1,379,845	
NET IMPORTS OF REGION	-67,798	-31,074	-103,885	-39,077	3,732	-491,915	2,291	17,821	-709,905	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.38%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 121 WICHITA FALLS TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,295	307	-	4,951	-	16,711	1	9,365	33,630	14%
INDUSTRIAL	1,835	5,459	-	7,753	-	96,757	1,208	7,906	120,918	52%
TRANSPORTATION	2,822	948	35,240	1,831	-	585	-	-	41,426	18%
MISCELLANEOUS USES	1,165	1,081	-	54	-	1,531	-	658	4,489	2%
TOTAL FINAL DEMAND SECTORS	8,117	7,795	35,240	14,589	-	115,584	1,209	17,929	200,463	86%
TRANSFORMATION										
ELECTRICITY GEN.	1,733	-	-	-	-	39,718	-	-13,378	28,073	12%
PETROLEUM PRODUCTS	-32,883	-14,024	-60,830	-28,352	130,580	6,603	-	-	1,093	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-31,150	-14,024	-60,830	-28,352	130,580	46,321	-	-13,378	29,166	13%
TOTAL GROSS FLOWS	9,850	7,795	35,240	14,589	130,580	161,905	1,209	17,929	229,629	99%
LOSSES & OMISSIONS	569	0	-0	-609	6,518	-5,864	-2	1,793	2,404	1%
TOTAL NET USAGE	-22,464	-6,229	-25,590	-14,373	137,099	156,040	1,206	6,344	232,033	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	214,197	75,213	-	-	289,410	100%
HYDROELECTRIC	-	-	-	-	-	-	-	11	11	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	214,197	75,213	-	16	289,426	
NET IMPORTS OF REGION	-22,464	-6,229	-25,590	-14,373	-77,097	80,827	1,206	6,328	-57,392	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.73%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.80%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 122 AMARILLO TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,184	423	-	4,883	-	14,906	-	10,134	32,530	10%
INDUSTRIAL	2,861	7,557	-	35,704	-	124,234	1,379	12,602	184,337	55%
TRANSPORTATION	14,875	4,025	34,168	6,394	-	1,635	-	-	61,097	18%
MISCELLANEOUS USES	381	354	-	11	-	272	-	103	1,121	0%
TOTAL FINAL DEMAND SECTORS	20,301	12,359	34,168	46,992	-	141,047	1,379	22,839	279,085	83%
TRANSFORMATION										
ELECTRICITY GEN.	2,127	-	-	-	-	17,872	44,148	-21,203	42,944	13%
PETROLEUM PRODUCTS	-33,170	-8,365	-140,101	-131,698	337,790	28,815	-	-	3,271	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-31,043	-8,365	-140,101	-131,698	337,790	46,687	44,148	-21,203	46,215	14%
TOTAL GROSS FLOWS	22,428	12,359	34,168	46,992	337,790	187,734	45,527	22,839	325,300	97%
LOSSES & OMISSIONS	1,296	0	-0	-1,964	16,863	-6,800	-100	2,284	11,579	3%
TOTAL NET USAGE	-59,445	3,993	-105,933	-86,670	354,653	180,934	45,426	3,920	336,879	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	382,875	1,033,434	-	-	1,416,359	100%
HYDROELECTRIC	-	-	-	-	-	-	-	14	14	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	382,875	1,033,434	-	19	1,416,378	
NET IMPORTS OF REGION	-59,445	3,993	-105,933	-86,670	-28,221	-852,549	45,426	3,901	-1,079,498	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 123 LUBBOCK TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,366	486	-	3,997	-	11,568	-	9,340	27,257	15%
INDUSTRIAL	1,387	2,926	-	3,879	-	48,583	856	8,964	66,595	36%
TRANSPORTATION	6,644	1,604	27,847	2,195	-	541	-	-	38,831	21%
MISCELLANEOUS USES	349	323	-	8	-	188	-	76	944	1%
TOTAL FINAL DEMAND SECTORS	10,246	5,339	27,847	10,079	-	60,880	856	18,380	133,627	72%
TRANSFORMATION										
ELECTRICITY GEN.	1,711	-	-	-	-	35,185	44,102	-26,731	54,267	29%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,711	-	-	-	-	35,185	44,102	-26,731	54,267	29%
TOTAL GROSS FLOWS	11,957	5,339	27,847	10,079	-	96,065	44,958	18,380	187,894	101%
LOSSES & OMISSIONS	691	0	-0	-421	-	-3,479	-99	1,838	-1,470	0%
TOTAL NET USAGE	12,648	5,339	27,846	9,657	-	92,585	44,858	-6,512	186,423	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	689,369	50,799	-	-	740,168	100%
HYDROELECTRIC	-	-	-	-	-	-	-	11	11	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	689,369	50,799	-	16	740,184	
NET IMPORTS OF REGION	12,648	5,339	27,846	9,657	-689,369	41,786	44,858	-6,528	-553,760	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.00%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 124 ODESSA TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,535	234	-	3,627	-	10,060	-	7,435	22,941	4%
INDUSTRIAL	5,857	18,938	-	116,182	-	355,158	1,858	18,018	515,981	88%
TRANSPORTATION	2,790	1,169	25,452	1,561	-	394	-	-	31,366	5%
MISCELLANEOUS USES	274	254	-	7	-	155	-	64	754	0%
TOTAL FINAL DEMAND SECTORS	10,456	20,615	25,452	121,377	-	365,767	1,858	25,517	571,042	98%
TRANSFORMATION										
ELECTRICITY GEN.	2,376	-	-	-	-	25,305	-1,996	-8,445	17,240	3%
PETROLEUM PRODUCTS	-55,043	-5,536	-92,720	-87,159	223,552	19,070	-	-	2,164	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-52,667	-5,536	-92,720	-87,159	223,552	44,375	-1,996	-8,445	19,404	3%
TOTAL GROSS FLOWS	12,832	20,615	25,452	121,377	223,552	410,142	1,858	25,517	590,446	101%
LOSSES & OMISSIONS	741	0	-0	-5,073	11,160	-14,356	-4	2,551	-5,480	0%
TOTAL NET USAGE	-41,469	15,078	-67,268	29,144	234,712	395,285	-142	19,623	584,965	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,819,443	1,248,898	-	-	3,068,341	100%
HYDROELECTRIC	-	-	-	-	-	-	-	16	16	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	7	7	0%
TOTAL SUPPLY	-	-	-	-	1,819,443	1,248,898	-	23	3,068,364	
NET IMPORTS OF REGION	-41,469	15,078	-67,268	29,144	-1,584,730	-853,612	-142	19,600	-2,483,398	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =62.28%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 125 ABILENE TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,370	274	-	3,180	-	8,889	-	6,710	20,423	12%
INDUSTRIAL	1,672	4,579	-	5,574	-	72,114	1,048	8,059	93,046	54%
TRANSPORTATION	3,808	804	22,293	1,095	-	270	-	-	28,270	16%
MISCELLANEOUS USES	283	263	-	9	-	198	-	87	840	0%
TOTAL FINAL DEMAND SECTORS	7,133	5,920	22,293	9,858	-	81,471	1,048	14,856	142,579	82%
TRANSFORMATION										
ELECTRICITY GEN.	1,383	-	-	-	-	42,392	-	-14,442	29,333	17%
PETROLEUM PRODUCTS	-17,701	-1,780	-29,817	-28,029	71,891	6,132	-	-	696	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-16,318	-1,780	-29,817	-28,029	71,891	48,524	-	-14,442	30,029	17%
TOTAL GROSS FLOWS	8,516	5,920	22,293	9,858	71,891	129,995	1,048	14,856	172,608	100%
LOSSES & OMISSIONS	492	0	-0	-412	3,588	-4,708	-2	1,485	443	0%
TOTAL NET USAGE	-8,692	4,139	-7,524	-18,583	75,480	125,286	1,045	1,899	173,052	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	535,556	72,361	-	-	607,917	100%
HYDROELECTRIC	-	-	-	-	-	-	-	9	9	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	4	4	0%
TOTAL SUPPLY	-	-	-	-	535,556	72,361	-	13	607,930	
NET IMPORTS OF REGION	-8,692	4,139	-7,524	-18,583	-460,075	52,925	1,045	1,886	-434,877	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.01%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 126 SAN ANGELO TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	898	261	-	1,835	-	5,366	-	4,400	12,760	20%
INDUSTRIAL	609	1,265	-	777	-	19,505	253	3,480	25,889	40%
TRANSPORTATION	1,839	1,814	12,777	2,373	-	512	-	-	19,415	30%
MISCELLANEOUS USES	348	322	-	9	-	200	-	83	962	1%
TOTAL FINAL DEMAND SECTORS	3,694	3,662	12,777	4,994	-	25,583	253	7,963	59,026	92%
TRANSFORMATION										
ELECTRICITY GEN.	741	-	-	-	-	7,475	-	-2,682	5,534	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	741	-	-	-	-	7,475	-	-2,682	5,534	9%
TOTAL GROSS FLOWS	4,435	3,662	12,777	4,994	-	33,158	253	7,963	64,560	101%
LOSSES & OMISSIONS	256	0	-0	-208	-	-1,201	-0	796	-357	0%
TOTAL NET USAGE	4,691	3,662	12,776	4,785	-	31,956	252	6,077	64,202	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	60,000	50,230	-	-	110,230	100%
HYDROELECTRIC	-	-	-	-	-	-	-	5	5	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2	2	0%
TOTAL SUPPLY	-	-	-	-	60,000	50,230	-	7	110,237	
NET IMPORTS OF REGION	4,691	3,662	12,776	4,785	-60,000	-18,273	252	6,070	-46,034	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =57.35%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 127 DALLAS TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,857	4,665	-	38,216	-	113,694	-	94,955	269,387	16%
INDUSTRIAL	9,554	31,052	-	205,763	-	482,257	15,978	55,877	800,481	47%
TRANSPORTATION	74,557	52,226	265,211	68,879	-	17,685	1	-	478,559	28%
MISCELLANEOUS USES	4,248	3,945	-	90	-	2,081	-	811	11,175	1%
TOTAL FINAL DEMAND SECTORS	106,216	91,888	265,211	312,948	-	615,717	15,979	151,643	1,559,602	91%
TRANSFORMATION										
ELECTRICITY GEN.	14,119	-	-	-	-	253,061	-	-88,046	179,134	10%
PETROLEUM PRODUCTS	-12,609	-1,268	-21,240	-19,966	51,210	4,368	-	-	495	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,510	-1,268	-21,240	-19,966	51,210	257,429	-	-88,046	179,629	10%
TOTAL GROSS FLOWS	120,335	91,888	265,211	312,948	51,210	873,146	15,979	151,643	1,739,231	101%
LOSSES & OMISSIONS	6,957	2	-0	-13,081	2,556	-31,628	-35	15,165	-20,064	0%
TOTAL NET USAGE	114,683	90,621	243,970	279,900	53,766	841,518	15,943	78,762	1,719,167	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	190,892	103,121	-	-	294,013	91%
HYDROELECTRIC	-	-	-	-	-	-	-	1,229	1,229	0%
NUCLEAR	-	-	-	-	-	-	-	27,978	27,978	9%
GEO.&SOLAR	-	-	-	-	-	-	-	39	39	0%
TOTAL SUPPLY	-	-	-	-	190,892	103,121	-	29,246	323,259	
NET IMPORTS OF REGION	114,683	90,621	243,970	279,900	-137,125	738,397	15,943	49,516	1,395,908	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 128 KILLEEN-TEMPLE TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,973	718	-	6,531	-	18,759	-	14,956	43,937	18%
INDUSTRIAL	1,427	3,659	-	6,821	-	48,450	2,261	8,785	71,413	29%
TRANSPORTATION	8,824	2,771	45,561	3,720	-	933	-	-	61,809	25%
MISCELLANEOUS USES	1,271	1,180	-	52	-	1,109	-	518	4,130	2%
TOTAL FINAL DEMAND SECTORS	14,495	8,328	45,561	17,124	-	69,251	2,261	24,259	181,289	72%
TRANSFORMATION										
ELECTRICITY GEN.	2,259	-	-	-	-	49,854	53,386	-34,872	70,627	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,259	-	-	-	-	49,854	53,386	-34,872	70,627	28%
TOTAL GROSS FLOWS	16,754	8,328	45,561	17,124	-	119,115	55,647	24,259	251,916	101%
LOSSES & OMISSIONS	968	0	-0	-715	-	-4,314	-122	2,426	-1,758	0%
TOTAL NET USAGE	17,722	8,328	45,560	16,408	-	114,800	55,524	-8,186	250,157	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	8,114	9,103	381,190	-	394,407	100%
HYDROELECTRIC	-	-	-	-	-	-	-	441	441	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	6	6	0%
TOTAL SUPPLY	-	-	-	-	8,114	9,103	381,190	447	394,854	
NET IMPORTS OF REGION	17,722	8,328	45,560	16,408	-8,114	105,697	-325,665	-8,633	-144,696	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 129 AUSTIN TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,801	1,322	-	10,115	-	30,263	-	26,153	72,654	21%
INDUSTRIAL	1,530	3,647	-	9,951	-	51,395	2,932	10,106	79,561	23%
TRANSPORTATION	8,107	4,341	70,053	5,740	-	1,463	-	-	89,704	26%
MISCELLANEOUS USES	2,831	2,629	-	56	-	1,314	-	500	7,330	2%
TOTAL FINAL DEMAND SECTORS	17,269	11,939	70,053	25,862	-	84,435	2,932	36,759	249,249	73%
TRANSFORMATION										
ELECTRICITY GEN.	3,423	-	-	-	-	73,018	55,708	-43,641	88,508	26%
PETROLEUM PRODUCTS	-15,810	-1,590	-26,631	-25,034	64,209	5,477	-	-	622	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-12,387	-1,590	-26,631	-25,034	64,209	78,495	55,708	-43,641	89,130	26%
TOTAL GROSS FLOWS	20,692	11,939	70,053	25,862	64,209	162,930	58,640	36,759	338,379	100%
LOSSES & OMISSIONS	1,196	0	-0	-1,081	3,205	-5,901	-129	3,676	966	0%
TOTAL NET USAGE	6,078	10,349	43,421	-253	67,415	157,028	58,510	-3,205	339,345	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	16,468	10,449	242,290	-	269,207	99%
HYDROELECTRIC	-	-	-	-	-	-	-	3,286	3,286	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	10	10	0%
TOTAL SUPPLY	-	-	-	-	16,468	10,449	242,290	3,296	272,503	
NET IMPORTS OF REGION	6,078	10,349	43,421	-253	50,947	146,579	-183,779	-6,501	66,842	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.98%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 130 TYLER TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,480	797	-	7,772	-	22,086	-	17,223	51,358	8%
INDUSTRIAL	3,210	10,590	-	80,204	-	180,706	7,233	19,520	301,463	47%
TRANSPORTATION	12,501	2,297	54,315	3,170	-	772	-	-	73,055	11%
MISCELLANEOUS USES	823	765	-	15	-	363	-	134	2,100	0%
TOTAL FINAL DEMAND SECTORS	20,014	14,449	54,315	91,161	-	203,927	7,233	36,877	427,976	67%
TRANSFORMATION										
ELECTRICITY GEN.	3,433	-	-	-	-	75,939	243,721	-106,926	216,167	34%
PETROLEUM PRODUCTS	-27,448	-2,760	-46,235	-43,463	111,477	9,509	-	-	1,078	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-24,015	-2,760	-46,236	-43,463	111,477	85,448	243,721	-106,926	217,245	34%
TOTAL GROSS FLOWS	23,447	14,449	54,315	91,161	111,477	289,375	250,954	36,877	645,221	101%
LOSSES & OMISSIONS	1,355	0	-0	-3,810	5,565	-10,482	-552	3,688	-4,236	0%
TOTAL NET USAGE	-2,645	11,688	8,078	43,887	117,042	278,893	250,401	-66,360	640,985	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	651,692	188,215	11,424	-	851,331	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	10	10	0%
TOTAL SUPPLY	-	-	-	-	651,692	188,215	11,424	33	851,364	
NET IMPORTS OF REGION	-2,645	11,688	8,078	43,887	-534,649	90,678	238,977	-66,393	-210,378	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.31%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.39%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 131 TEXARKANA TEXAS-ARKANSAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,521	662	-	4,720	-	15,153	-	9,496	32,552	12%
INDUSTRIAL	3,680	12,496	-	11,008	-	43,154	2,700	8,588	81,626	29%
TRANSPORTATION	7,830	1,602	32,120	3,160	-	982	-	-	45,694	16%
MISCELLANEOUS USES	921	855	-	17	-	406	-	148	2,347	1%
TOTAL FINAL DEMAND SECTORS	14,952	15,615	32,120	18,905	-	59,695	2,700	18,232	162,219	58%
TRANSFORMATION										
ELECTRICITY GEN.	1,698	-	-	-	-	7,041	161,738	-56,452	114,025	41%
PETROLEUM PRODUCTS	-12,609	-1,268	-21,240	-19,966	51,210	4,368	-	-	495	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-10,911	-1,268	-21,240	-19,966	51,210	11,409	161,738	-56,452	114,520	41%
TOTAL GROSS FLOWS	16,650	15,615	32,120	18,905	51,210	71,104	164,438	18,232	276,739	99%
LOSSES & OMISSIONS	962	0	-0	-790	2,556	-2,575	-362	1,823	1,614	1%
TOTAL NET USAGE	5,003	14,347	10,879	-1,851	53,766	68,528	164,075	-36,396	278,354	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	47,620	27,497	12,796	-	87,913	98%
HYDROELECTRIC	-	-	-	-	-	-	-	1,458	1,458	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	4	4	0%
TOTAL SUPPLY	-	-	-	-	47,620	27,497	12,796	1,462	89,375	
NET IMPORTS OF REGION	5,003	14,347	10,879	-1,851	6,146	41,031	151,279	-37,858	188,979	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.89%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 132 SHREVEPORT LOUISIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	531	145	-	5,212	-	13,542	2	10,851	30,283	10%
INDUSTRIAL	7,752	32,198	-	13,728	-	159,603	2,515	10,997	226,793	73%
TRANSPORTATION	8,154	1,586	28,093	858	-	565	-	-	39,256	13%
MISCELLANEOUS USES	554	514	-	14	-	320	-	140	1,542	0%
TOTAL FINAL DEMAND SECTORS	16,991	34,443	28,093	19,812	-	174,030	2,517	21,988	297,874	96%
TRANSFORMATION										
ELECTRICITY GEN.	2,047	-	-	-	-	13,840	-	-5,218	10,669	3%
PETROLEUM PRODUCTS	-33,108	-3,330	-55,771	-52,426	134,466	11,470	-	-	1,301	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-31,061	-3,330	-55,771	-52,426	134,465	25,310	-	-5,218	11,970	4%
TOTAL GROSS FLOWS	19,038	34,443	28,093	19,812	134,466	199,340	2,517	21,988	309,844	99%
LOSSES & OMISSIONS	1,100	0	-0	-828	6,712	-7,220	-5	2,199	1,958	1%
TOTAL NET USAGE	-12,969	31,113	-27,678	-33,442	141,178	192,120	2,511	18,969	311,803	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	149,733	214,041	-	-	363,774	100%
HYDROELECTRIC	-	-	-	-	-	-	-	14	14	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	6	5	0%
TOTAL SUPPLY	-	-	-	-	149,733	214,041	-	20	363,794	
NET IMPORTS OF REGION	-12,969	31,113	-27,678	-33,442	-8,554	-21,920	2,511	18,949	-51,990	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.16%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 133 MONROE LOUISIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	686	231	-	6,147	-	16,269	2	13,470	36,805	10%
INDUSTRIAL	8,419	40,131	-	28,504	-	144,625	2,744	16,025	240,448	66%
TRANSPORTATION	8,503	4,041	33,032	1,938	-	1,439	-	-	48,953	13%
MISCELLANEOUS USES	723	671	-	16	-	363	-	147	1,920	1%
TOTAL FINAL DEMAND SECTORS	18,331	45,074	33,032	36,605	-	162,696	2,746	29,642	328,126	90%
TRANSFORMATION										
ELECTRICITY GEN.	2,760	-	-	-	-	36,870	24,604	-21,110	43,124	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,760	-	-	-	-	36,870	24,604	-21,110	43,124	12%
TOTAL GROSS FLOWS	21,091	45,074	33,032	36,605	-	199,566	27,350	29,642	371,250	101%
LOSSES & OMISSIONS	1,219	1	-0	-1,530	-	-7,228	-60	2,964	-4,634	0%
TOTAL NET USAGE	22,310	45,075	33,031	35,074	-	192,337	27,289	11,496	366,615	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	120,180	114,699	-	-	234,879	100%
HYDROELECTRIC	-	-	-	-	-	-	-	18	18	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	0%
TOTAL SUPPLY	-	-	-	-	120,180	114,699	-	26	234,905	
NET IMPORTS OF REGION	22,310	45,075	33,031	35,074	-120,180	77,638	27,289	11,470	131,710	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 134 GREENVILLE MISSISSIPPI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,453	515	-	4,363	-	11,738	52	11,198	30,319	12%
INDUSTRIAL	6,091	23,865	-	35,070	-	51,674	2,846	20,471	140,017	57%
TRANSPORTATION	7,491	288	34,217	1,221	-	454	-	-	43,671	18%
MISCELLANEOUS USES	252	203	-	7	-	184	-	70	716	0%
TOTAL FINAL DEMAND SECTORS	16,287	24,871	34,217	40,661	-	64,050	2,898	31,739	214,723	87%
TRANSFORMATION										
ELECTRICITY GEN.	4,327	23,230	-	-	-	6,135	2,959	-12,067	24,584	10%
PETROLEUM PRODUCTS	-29,479	-2,965	-49,657	-46,679	119,725	10,213	-	-	1,158	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-25,152	20,264	-49,657	-46,679	119,725	16,348	2,959	-12,067	25,742	10%
TOTAL GROSS FLOWS	20,614	48,101	34,217	40,661	119,725	80,398	5,857	31,739	240,465	98%
LOSSES & OMISSIONS	3,191	1	-0	-1,699	5,976	-2,912	-12	3,174	5,719	2%
TOTAL NET USAGE	-7,673	45,137	-15,440	-7,717	125,701	77,486	5,844	22,846	246,184	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	66,142	15,457	-	-	81,599	100%
HYDROELECTRIC	-	-	-	-	-	-	-	22	22	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	3	3	0%
TOTAL SUPPLY	-	-	-	-	66,142	15,457	-	25	81,624	
NET IMPORTS OF REGION	-7,673	45,137	-15,440	-7,717	59,559	62,029	5,844	22,821	164,560	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.08%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 135 JACKSON MISSISSIPPI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,356	202	-	4,923	-	10,319	120	18,844	36,764	20%
INDUSTRIAL	807	1,952	-	5,367	-	31,706	5,055	19,383	64,270	34%
TRANSPORTATION	14,227	755	45,521	1,442	-	456	-	-	62,401	33%
MISCELLANEOUS USES	378	215	-	18	-	475	1	188	1,275	1%
TOTAL FINAL DEMAND SECTORS	17,768	3,124	45,521	11,750	-	42,956	5,176	38,415	164,710	88%
TRANSFORMATION										
ELECTRICITY GEN.	6,189	-	-	-	-	17,005	5,622	-9,254	19,562	10%
PETROLEUM PRODUCTS	-2,036	-204	-3,431	-3,225	8,272	705	-	-	80	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,152	-204	-3,431	-3,225	8,272	17,710	5,622	-9,254	19,642	10%
TOTAL GROSS FLOWS	23,957	3,124	45,521	11,750	8,272	60,666	10,798	38,415	184,352	98%
LOSSES & OMISSIONS	1,385	0	-0	-491	412	-2,197	-23	3,841	2,927	2%
TOTAL NET USAGE	23,305	2,919	42,089	8,033	8,685	58,469	10,774	33,002	187,279	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	37,797	34,737	-	-	72,534	73%
HYDROELECTRIC	-	-	-	-	-	-	-	30	30	0%
NUCLEAR	-	-	-	-	-	-	-	26,247	26,247	27%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	37,797	34,737	-	26,277	98,811	
NET IMPORTS OF REGION	23,305	2,919	42,089	8,033	-29,111	23,732	10,774	6,725	88,468	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.89%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 136 MERIDIAN MISSISSIPPI 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,626	143	-	3,522	-	7,177	77	13,093	25,638	14%
INDUSTRIAL	796	2,097	-	5,366	-	34,290	3,643	17,089	63,281	35%
TRANSPORTATION	11,029	957	32,570	1,216	-	380	-	-	46,152	26%
MISCELLANEOUS USES	270	153	-	14	-	383	1	143	964	1%
TOTAL FINAL DEMAND SECTORS	13,721	3,350	32,570	10,118	-	42,230	3,721	30,325	136,035	76%
TRANSFORMATION										
ELECTRICITY GEN.	4,912	5,203	-	-	-	1,960	41,593	-18,362	35,306	20%
PETROLEUM PRODUCTS	-21,969	-2,209	-37,006	-34,787	89,223	7,611	-	-	863	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-17,057	2,993	-37,006	-34,787	89,223	9,571	41,593	-18,362	36,169	20%
TOTAL GROSS FLOWS	18,633	8,353	32,570	10,118	89,223	51,801	45,314	30,325	172,204	97%
LOSSES & OMISSIONS	1,077	0	-0	-422	4,454	-1,876	-99	3,032	6,165	3%
TOTAL NET USAGE	-2,258	6,343	-4,436	-25,091	93,678	49,924	45,214	14,995	178,369	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	186,195	18,232	-	-	204,428	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	186,195	18,232	-	23	204,45[illegible]	
NET IMPORTS OF REGION	-2,258	6,343	-4,436	-25,091	-92,517	31,692	45,214	14,972	-26,08[illegible]	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 137 MOBILE ALABAMA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,737	316	-	6,699	-	13,726	115	25,089	48,682	9%
INDUSTRIAL	2,999	8,966	-	25,857	-	75,799	27,403	49,035	190,059	35%
TRANSPORTATION	13,916	3,869	61,489	2,214	-	663	-	-	82,151	15%
MISCELLANEOUS USES	247	141	-	25	-	649	1	186	1,249	0%
TOTAL FINAL DEMAND SECTORS	19,899	13,292	61,489	34,795	-	90,837	27,519	74,310	322,141	60%
TRANSFORMATION										
ELECTRICITY GEN.	12,034	17,655	-	-	-	5	231,935	-89,800	171,829	32%
PETROLEUM PRODUCTS	-179,823	-18,088	-302,911	-284,745	730,336	62,302	-	-	7,071	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-167,789	-433	-302,911	-284,745	730,336	62,307	231,935	-89,800	178,900	33%
TOTAL GROSS FLOWS	31,933	30,947	61,489	34,795	730,336	153,144	259,454	74,310	501,041	93%
LOSSES & OMISSIONS	1,846	0	-0	-1,454	36,459	-5,547	-571	7,431	38,164	7%
TOTAL NET USAGE	-146,043	12,859	-241,422	-251,404	766,795	147,597	258,882	-8,058	539,206	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	24,705	8,600	-	-	33,305	97%
HYDROELECTRIC	-	-	-	-	-	-	-	1,008	1,008	3%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	24,705	8,600	-	1,008	34,313	
NET IMPORTS OF REGION	-146,043	12,859	-241,422	-251,404	742,090	138,997	258,882	-9,066	504,893	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 138 NEW ORLEANS LOUISIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,510	869	-	25,706	-	67,122	56	60,190	157,453	6%
INDUSTRIAL	31,143	109,838	-	864,791	-	998,307	13,025	83,415	2,100,519	74%
TRANSPORTATION	47,717	41,355	146,083	19,272	-	14,793	1	-	269,221	9%
MISCELLANEOUS USES	2,696	2,476	-	54	-	1,287	-	491	7,004	0%
TOTAL FINAL DEMAND SECTORS	85,066	154,538	146,083	909,823	-	1,081,509	13,082	144,096	2,534,197	89%
TRANSFORMATION										
ELECTRICITY GEN.	14,483	-	-	-	-	187,441	77,505	-92,293	187,136	7%
PETROLEUM PRODUCTS	-853,612	-85,861	-1,437,911	-1,351,675	3,466,879	295,749	-	-	33,569	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-839,129	-85,861	-1,437,911	-1,351,675	3,466,879	483,190	77,505	-92,293	220,705	8%
TOTAL GROSS FLOWS	99,549	154,538	146,083	909,823	3,466,879	1,564,699	90,587	144,096	2,754,902	97%
LOSSES & OMISSIONS	5,755	3	-0	-38,032	173,072	-56,678	-199	14,411	98,332	3%
TOTAL NET USAGE	-748,307	68,680	-1,291,828	-479,884	3,639,951	1,508,020	90,387	66,214	2,853,234	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,949,671	1,931,462	-	-	3,881,133	99%
HYDROELECTRIC	-	-	-	-	-	-	-	91	91	0%
NUCLEAR	-	-	-	-	-	-	-	37,040	37,040	1%
GEO.&SOLAR	-	-	-	-	-	-	-	33	33	0%
TOTAL SUPPLY	-	-	-	-	1,949,671	1,931,462	-	37,164	3,918,297	
NET IMPORTS OF REGION	-748,307	68,680	-1,291,828	-479,884	1,690,280	-423,441	90,387	29,050	-1,065,062	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.97%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 139 LAKE CHARLES LOUISIANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	924	266	-	8,889	-	23,229	3	18,777	52,088	6%
INDUSTRIAL	20,755	66,508	-	184,328	-	403,243	2,772	32,600	710,206	76%
TRANSPORTATION	13,832	12,518	47,871	5,732	-	4,458	-	-	84,411	9%
MISCELLANEOUS USES	1,032	959	-	41	-	861	-	434	3,327	0%
TOTAL FINAL DEMAND SECTORS	36,543	80,251	47,871	198,990	-	431,791	2,775	51,811	850,032	91%
TRANSFORMATION										
ELECTRICITY GEN.	4,824	-	-	-	-	67,876	25,068	-32,252	65,516	7%
PETROLEUM PRODUCTS	-174,464	-17,549	-293,885	-276,260	708,571	60,446	-	-	6,859	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-169,640	-17,549	-293,885	-276,260	708,571	128,322	25,068	-32,252	72,375	8%
TOTAL GROSS FLOWS	41,367	80,251	47,871	198,990	708,571	560,113	27,843	51,811	922,407	98%
LOSSES & OMISSIONS	2,391	1	-0	-8,318	35,373	-20,289	-61	5,181	14,279	2%
TOTAL NET USAGE	-130,705	62,703	-246,014	-85,588	743,944	539,823	27,781	24,740	936,686	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,181,774	2,045,214	-	-	3,226,988	100%
HYDROELECTRIC	-	-	-	-	-	-	-	32	32	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	13	13	0%
TOTAL SUPPLY	-	-	-	-	1,181,774	2,045,214	-	45	3,227,033	
NET IMPORTS OF REGION	-130,705	62,703	-246,014	-85,588	-437,829	-1,505,390	27,781	24,695	-2,290,346	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTEICITY GEN. =67.01%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 140 BEAUMONT-PORT ARTHUR-ORANGE TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,035	408	-	4,724	-	13,218	-	9,994	30,379	3%
INDUSTRIAL	6,340	19,701	-	402,518	-	381,187	5,056	25,500	840,302	77%
TRANSPORTATION	5,488	4,680	33,104	6,122	-	1,578	-	-	50,972	5%
MISCELLANEOUS USES	391	363	-	8	-	183	-	70	1,015	0%
TOTAL FINAL DEMAND SECTORS	14,254	25,152	33,104	413,372	-	396,166	5,056	35,564	922,668	85%
TRANSFORMATION										
ELECTRICITY GEN.	3,311	-	-	-	-	56,714	-	-19,781	40,244	4%
PETROLEUM PRODUCTS	-658,913	-66,277	-1,109,941	-1,043,374	2,676,125	228,292	-	-	25,912	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-655,602	-66,277	-1,109,941	-1,043,374	2,676,125	285,006	-	-19,781	66,156	6%
TOTAL GROSS FLOWS	17,565	25,152	33,104	413,372	2,676,125	681,172	5,056	35,564	988,824	91%
LOSSES & OMISSIONS	1,015	0	-0	-17,279	133,596	-24,674	-11	3,556	96,204	9%
TOTAL NET USAGE	-640,332	-41,124	-1,076,837	-647,281	2,809,721	656,497	5,044	19,339	1,085,028	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	79,698	85,652	-	-	165,350	100%
HYDROELECTRIC	-	-	-	-	-	-	-	22	22	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	9	9	0%
TOTAL SUPPLY	-	-	-	-	79,698	85,652	-	31	165,381	
NET IMPORTS OF REGION	-640,332	-41,124	-1,076,837	-647,281	2,730,023	570,845	5,044	19,308	919,647	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 141 HOUSTON TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,672	4,451	-	38,391	-	112,271	-	92,423	265,208	7%
INDUSTRIAL	21,408	67,382	-	1,221,455	-	1,381,981	26,462	101,273	2,819,961	71%
TRANSPORTATION	62,073	43,437	266,977	57,121	-	14,646	1	-	444,255	11%
MISCELLANEOUS USES	4,209	3,908	-	80	-	1,886	-	704	10,787	0%
TOTAL FINAL DEMAND SECTORS	105,362	119,178	266,977	1,317,047	-	1,510,784	26,463	194,400	3,540,211	89%
TRANSFORMATION										
ELECTRICITY GEN.	18,102	-	-	-	-	256,424	181,978	-149,534	306,970	8%
PETROLEUM PRODUCTS	-1,054,166	-106,034	-1,775,746	-1,669,249	4,281,416	365,234	-	-	41,455	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,036,064	-106,034	-1,775,746	-1,669,249	4,281,416	621,658	181,978	-149,534	348,425	9%
TOTAL GROSS FLOWS	123,464	119,178	266,977	1,317,047	4,281,416	2,132,442	208,441	194,400	3,888,636	97%
LOSSES & OMISSIONS	7,137	2	-0	-55,054	213,735	-77,243	-459	19,442	107,559	3%
TOTAL NET USAGE	-923,564	13,146	-1,508,769	-407,256	4,495,151	2,055,198	207,981	64,308	3,996,195	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	834,995	720,812	-	-	1,555,807	98%
HYDROELECTRIC	-	-	-	-	-	-	-	120	120	0%
NUCLEAR	-	-	-	-	-	-	-	30,411	30,411	2%
GEO.&SOLAR	-	-	-	-	-	-	-	50	50	0%
TOTAL SUPPLY	-	-	-	-	834,995	720,812	-	30,581	1,586,388	
NET IMPORTS OF REGION	-923,564	13,146	-1,508,769	-407,256	3,660,156	1,334,386	207,981	33,727	2,409,807	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.24%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 142 SAN ANTONIO TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,690	1,789	-	17,128	-	49,224	-	39,290	115,121	16%
INDUSTRIAL	3,416	9,256	-	93,872	-	171,823	4,905	20,647	303,919	42%
TRANSPORTATION	19,067	8,210	119,474	10,928	-	2,767	-	-	160,446	22%
MISCELLANEOUS USES	4,747	4,409	-	127	-	2,836	-	1,195	13,314	2%
TOTAL FINAL DEMAND SECTORS	34,920	23,664	119,474	122,055	-	226,650	4,905	61,132	592,800	82%
TRANSFORMATION										
ELECTRICITY GEN.	5,692	-	-	-	-	97,810	101,481	-67,714	137,269	19%
PETROLEUM PRODUCTS	-2,240	-225	-3,774	-3,547	9,099	776	-	-	88	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,451	-225	-3,774	-3,547	9,099	98,586	101,481	-67,714	137,357	19%
TOTAL GROSS FLOWS	40,612	23,664	119,474	122,055	9,099	325,236	106,386	61,132	730,157	101%
LOSSES & OMISSIONS	2,347	0	-0	-5,102	454	-11,781	-234	6,113	-8,201	0%
TOTAL NET USAGE	40,719	23,439	115,699	113,405	9,553	313,455	106,151	-468	721,955	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	215,625	184,948	-	-	400,573	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,230	1,230	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	16	16	0%
TOTAL SUPPLY	-	-	-	-	215,625	184,948	-	1,246	401,819	
NET IMPORTS OF REGION	40,719	23,439	115,699	113,405	-206,071	128,507	106,151	-1,714	320,136	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.97%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.39%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 143 CORPUS CHRISTI TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,777	585	-	6,369	-	18,126	-	14,213	42,070	8%
INDUSTRIAL	3,663	11,069	-	79,533	-	188,494	2,837	13,982	299,578	58%
TRANSPORTATION	8,213	7,030	44,507	9,213	-	2,371	-	-	71,334	14%
MISCELLANEOUS USES	1,576	1,463	-	38	-	871	-	356	4,304	1%
TOTAL FINAL DEMAND SECTORS	16,229	20,147	44,507	95,153	-	209,862	2,837	28,551	417,286	81%
TRANSFORMATION										
ELECTRICITY GEN.	2,658	-	-	-	-	58,429	-	-20,142	40,945	8%
PETROLEUM PRODUCTS	-287,205	-28,889	-483,797	-454,782	1,166,459	99,507	-	-	11,293	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-284,547	-28,889	-483,797	-454,782	1,166,459	157,936	-	-20,142	52,238	10%
TOTAL GROSS FLOWS	18,887	20,147	44,507	95,153	1,166,459	367,798	2,837	28,551	469,524	91%
LOSSES & OMISSIONS	1,091	0	-0	-3,977	58,231	-13,322	-6	2,855	44,872	9%
TOTAL NET USAGE	-267,226	-8,741	-439,290	-363,606	1,224,690	354,475	2,830	11,264	514,396	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	626,038	869,673	-	-	1,495,711	100%
HYDROELECTRIC	-	-	-	-	-	-	-	18	18	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	7	7	0%
TOTAL SUPPLY	-	-	-	-	626,038	869,673	-	25	1,495,736	
NET IMPORTS OF REGION	-267,226	-8,741	-439,290	-363,606	598,652	-515,197	2,830	11,239	-981,339	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 144 MCALLEN-PHARR-EDINBURG TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,724	586	-	6,202	-	17,577	-	13,648	40,737	26%
INDUSTRIAL	975	1,594	-	5,343	-	25,855	459	6,727	40,963	26%
TRANSPORTATION	4,958	4,884	43,355	6,389	-	1,647	-	-	61,233	40%
MISCELLANEOUS USES	753	700	-	14	-	335	-	124	1,926	1%
TOTAL FINAL DEMAND SECTORS	9,410	7,764	43,355	17,948	-	45,414	469	20,499	144,859	94%
TRANSFORMATION										
ELECTRICITY GEN.	1,909	-	-	-	-	11,975	-	-4,558	9,326	6%
PETROLEUM PRODUCTS	-2,648	-266	-4,452	-4,194	10,758	917	-	-	104	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-739	-266	-4,452	-4,194	10,758	12,892	-	-4,558	9,430	6%
TOTAL GROSS FLOWS	11,319	7,764	43,355	17,948	10,758	58,306	469	20,499	154,289	100%
LOSSES & OMISSIONS	654	0	-0	-750	537	-2,112	-1	2,050	378	0%
TOTAL NET USAGE	9,324	7,497	38,892	13,003	11,295	56,194	467	17,991	154,667	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	78,421	138,838	-	-	217,259	100%
HYDROELECTRIC	-	-	-	-	-	-	-	481	481	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	78,421	138,838	-	486	217,745	
NET IMPORTS OF REGION	9,324	7,497	38,892	13,003	-67,125	-82,643	467	17,505	-63,077	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.17%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 145 EL PASO TEXAS 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,461	794	-	9,924	-	32,052	1	19,949	67,181	19%
INDUSTRIAL	1,874	4,829	-	12,106	-	123,506	2,649	6,994	151,958	43%
TRANSPORTATION	16,521	2,673	59,109	7,190	-	1,762	-	-	97,255	27%
MISCELLANEOUS USES	2,297	2,124	-	61	-	1,413	-	577	6,462	2%
TOTAL FINAL DEMAND SECTORS	25,143	10,420	69,109	29,281	-	158,733	2,650	27,520	322,856	91%
TRANSFORMATION										
ELECTRICITY GEN.	2,563	-	-	-	-	26,563	-	-9,305	19,821	6%
PETROLEUM PRODUCTS	-76,541	-7,698	-128,933	-121,201	310,866	26,519	-	-	3,011	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-73,978	-7,698	-128,933	-121,201	310,866	53,082	-	-9,305	22,832	6%
TOTAL GROSS FLOWS	27,706	10,420	69,109	29,281	310,866	211,815	2,650	27,520	345,688	97%
LOSSES & OMISSIONS	1,601	0	-0	-1,223	15,518	-7,672	-5	2,752	10,970	3%
TOTAL NET USAGE	-47,233	2,721	-59,824	-93,143	326,384	204,142	2,644	20,967	356,658	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	296,251	469,726	-	-	765,977	100%
HYDROELECTRIC	-	-	-	-	-	-	-	357	357	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	7	7	0%
TOTAL SUPPLY	-	-	-	-	296,251	469,726	-	364	766,341	
NET IMPORTS OF REGION	-47,233	2,721	-59,824	-93,143	30,133	-265,583	2,644	20,603	-409,682	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.89%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 146 ALBUQUERQUE NEW MEXICO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,229	611	-	9,064	-	34,260	3	17,138	65,305	32%
INDUSTRIAL	481	834	-	2,794	-	17,549	992	1,794	24,544	12%
TRANSPORTATION	15,908	-	62,668	10,425	-	2,506	-	-	91,507	45%
MISCELLANEOUS USES	1,895	1,759	-	39	-	950	-	353	4,996	2%
TOTAL FINAL DEMAND SECTORS	22,513	3,204	62,668	22,322	-	55,365	995	19,285	186,352	92%
TRANSFORMATION										
ELECTRICITY GEN.	1,796	-	-	-	-	10,521	8,356	-6,844	13,929	7%
PETROLEUM PRODUCTS	-8,729	-878	-14,704	-13,823	35,453	3,324	-	-	343	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-6,933	-878	-14,704	-13,823	35,453	13,845	8,356	-6,844	14,272	7%
TOTAL GROSS FLOWS	24,309	3,204	62,668	22,322	35,453	69,010	9,351	19,285	200,624	99%
LOSSES & OMISSIONS	1,405	0	-0	-933	1,769	-2,499	-20	1,928	1,650	1%
TOTAL NET USAGE	16,985	2,326	47,963	7,565	37,223	66,510	9,330	14,369	202,274	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	23,967	128,541	77,507	-	230,015	100%
HYDROELECTRIC	-	-	-	-	-	-	-	12	12	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	5	5	0%
TOTAL SUPPLY	-	-	-	-	23,967	128,541	77,507	17	230,032	
NET IMPORTS OF REGION	16,985	2,326	47,963	7,565	13,256	-62,030	-68,176	14,352	-27,757	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.83%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 147 COLORADO SPRINGS COLORADO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,721	917	-	11,499	-	41,491	28	19,131	76,787	30%
INDUSTRIAL	6,479	2,244	-	12,833	-	5,448	40,629	2,273	69,906	27%
TRANSPORTATION	5,021	20	47,919	8,270	-	621	1	-	61,852	24%
MISCELLANEOUS USES	2,106	747	-	127	-	1,538	-	834	5,352	2%
TOTAL FINAL DEMAND SECTORS	17,327	3,928	47,919	32,729	-	49,098	40,658	22,238	213,897	84%
TRANSFORMATION										
ELECTRICITY GEN.	827	-	-	-	-	217	59,128	-18,762	41,410	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	827	-	-	-	-	217	59,128	-18,762	41,410	16%
TOTAL GROSS FLOWS	18,154	3,928	47,919	32,729	-	49,315	99,786	22,238	255,307	100%
LOSSES & OMISSIONS	1,049	0	-0	-1,368	-	-1,786	-219	2,224	-100	0%
TOTAL NET USAGE	19,203	3,928	47,918	31,360	-	47,528	99,566	5,700	255,206	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,141	6,913	60,477	-	70,531	99%
HYDROELECTRIC	-	-	-	-	-	-	-	205	205	0%
NUCLEAR	-	-	-	-	-	-	-	424	424	1%
GEO.&SOLAR	-	-	-	-	-	-	-	16	16	0%
TOTAL SUPPLY	-	-	-	-	3,141	6,913	60,477	645	71,176	
NET IMPORTS OF REGION	19,203	3,923	47,918	31,360	-3,141	40,615	39,089	5,055	184,030	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 148 DENVER COLORADO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,134	3,052	-	36,662	-	133,618	93	63,398	249,157	32%
INDUSTRIAL	20,301	12,374	-	38,029	-	46,795	70,082	9,138	196,719	25%
TRANSPORTATION	17,838	44	152,509	51,086	-	3,852	1	-	225,330	29%
MISCELLANEOUS USES	3,007	1,064	-	141	-	1,364	-	895	6,471	1%
TOTAL FINAL DEMAND SECTORS	53,480	16,534	152,509	125,918	-	185,629	70,176	73,431	677,677	87%
TRANSFORMATION										
ELECTRICITY GEN.	2,355	-	-	-	-	711	135,019	-43,239	95,446	12%
PETROLEUM PRODUCTS	-34,357	-10,531	-55,254	-23,571	118,394	7,397	-	-	1,578	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-31,302	-10,531	-55,254	-23,571	118,394	8,103	135,019	-43,239	97,024	12%
TOTAL GROSS FLOWS	56,435	16,534	152,509	125,918	118,394	193,737	205,195	73,431	774,701	100%
LOSSES & OMISSIONS	3,262	0	-0	-5,263	5,910	-7,017	-451	7,343	3,783	0%
TOTAL NET USAGE	24,840	6,003	97,254	97,083	124,304	186,719	204,743	37,535	778,485	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	45,368	44,998	31,422	-	121,788	95%
HYDROELECTRIC	-	-	-	-	-	-	-	5,620	5,620	4%
NUCLEAR	-	-	-	-	-	-	-	1,390	1,390	1%
GEO.&SOLAR	-	-	-	-	-	-	-	52	52	0%
TOTAL SUPPLY	-	-	-	-	45,368	44,998	31,422	7,062	128,850	
NET IMPORTS OF REGION	24,840	6,003	97,254	97,083	78,936	141,721	173,321	30,473	649,635	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 149 GRAND JUNCTION COLORADO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,176	474	-	5,926	-	21,312	11	9,761	39,660	12%
INDUSTRIAL	5,899	2,169	-	2,851	-	32,181	6,361	1,876	51,337	16%
TRANSPORTATION	3,055	8	27,510	5,572	-	598	-	-	36,743	11%
MISCELLANEOUS USES	586	287	-	21	-	216	-	138	1,248	0%
TOTAL FINAL DEMAND SECTORS	11,716	2,938	27,510	14,370	-	54,307	6,372	11,775	128,988	40%
TRANSFORMATION										
ELECTRICITY GEN.	546	-	-	-	-	97	264,229	-85,995	178,877	55%
PETROLEUM PRODUCTS	-13,791	-2,564	-22,652	-16,542	52,132	3,994	-	-	577	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-50,000	-61,200	127,936	-	16,736	5%
NET FUEL USED IN TRANSFORMATION	-13,245	-2,564	-22,652	-16,542	2,132	-57,108	392,165	-85,995	196,190	60%
TOTAL GROSS FLOWS	12,262	2,938	27,510	14,370	52,132	58,398	398,537	11,775	325,178	100%
LOSSES & OMISSIONS	708	0	-0	-600	2,602	-2,115	-877	1,177	895	0%
TOTAL NET USAGE	-820	374	4,857	-2,772	4,735	-4,916	397,659	-73,042	326,073	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	159,955	389,369	830,848	-	1,380,172	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,599	3,599	0%
NUCLEAR	-	-	-	-	-	-	-	190	190	0%
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	0%
TOTAL SUPPLY	-	-	-	-	159,955	389,369	830,848	3,797	1,383,969	
NET IMPORTS OF REGION	-820	374	4,857	-2,772	-155,219	-394,285	-433,188	-76,839	-1,057,895	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.53%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =13.08%

BEA ECONOMIC AREA 150 CHEYENNE WYOMING 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,327	1,784	-	4,889	-	18,579	13	12,115	43,707	16%
INDUSTRIAL	15,297	5,699	-	9,020	-	27,777	15,975	3,892	77,660	29%
TRANSPORTATION	15,585	543	30,145	883	-	303	1	-	47,465	18%
MISCELLANEOUS USES	740	262	-	30	-	313	-	172	1,517	1%
TOTAL FINAL DEMAND SECTORS	37,949	8,293	30,145	14,822	-	46,972	15,989	16,179	170,349	64%
TRANSFORMATION										
ELECTRICITY GEN.	591	-	-	-	-	158	105,390	-33,099	73,040	27%
PETROLEUM PRODUCTS	-102,873	-31,082	-163,070	-69,565	349,415	21,832	-	-	4,657	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-102,282	-31,082	-163,070	-69,565	349,415	21,990	105,390	-33,099	77,697	29%
TOTAL GROSS FLOWS	38,540	8,293	30,145	14,822	349,415	68,962	121,379	16,179	248,046	93%
LOSSES & OMISSIONS	2,228	0	-0	-619	17,443	-2,498	-267	1,618	17,904	7%
TOTAL NET USAGE	-52,104	-22,788	-132,925	-55,362	366,858	66,463	121,111	-15,301	265,950	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	382,414	155,192	1,302,500	-	1,840,106	100%
HYDROELECTEIC	-	-	-	-	-	-	-	3,152	3,152	0%
NUCLEAR	-	-	-	-	-	-	-	308	308	0%
GEO.&SOLAR	-	-	-	-	-	-	-	11	11	0%
TOTAL SUPPLY	-	-	-	-	382,414	155,192	1,302,500	3,471	1,843,577	
NET IMPORTS OF REGION	-62,104	-22,788	-132,925	-55,362	-15,555	-88,728	-1,181,388	-18.772	-1,577,626	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 151 SALT LAKE CITY UTAH 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	16,332	3,925	-	24,996	-	83,162	92	37,850	166,357	23%
INDUSTRIAL	26,010	28,773	-	52,771	-	39,437	110,686	13,715	271,392	37%
TRANSPORTATION	23,949	217	116,886	9,614	-	1,003	2	-	151,671	21%
MISCELLANEOUS USES	5,002	1,776	-	209	-	1,755	1	1,326	10,069	1%
TOTAL FINAL DEMAND SECTORS	71,293	34,691	116,886	87,590	-	125,357	110,781	52,891	599,489	81%
TRANSFORMATION										
ELECTRICITY GEN.	1,856	-	-	-	-	494	242,792	-76,445	168,697	23%
PETROLEUM PRODUCTS	-98,874	-29,873	-156,731	-66,860	335,834	20,983	-	-	4,476	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-50,000	-	-	-	-50,000	-6%
NET FUEL USED IN TRANSFORMATION	-97,018	-29,873	-156,731	-66,860	285,834	21,477	242,792	-76,445	123,173	17%
TOTAL GROSS FLOWS	73,149	34,691	116,886	87,590	335,834	146,834	353,573	52,891	772,662	105%
LOSSES & OMISSIONS	4,229	0	-0	-3,661	16,765	-5,318	-778	5,289	16,525	2%
TOTAL NET USAGE	-21,496	4,818	-39,846	17,067	302,599	141,515	352,794	-18,264	739,188	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	179,735	193,624	781,147	-	1,154,506	99%
HYDROELECTRIC	-	-	-	-	-	-	-	5,945	5,945	1%
NUCLEAR	-	-	-	-	-	-	-	966	966	0%
GEO.&SOLAR	-	-	-	-	-	-	-	36	36	0%
TOTAL SUPPLY	-	-	-	-	179,735	193,624	781,147	6,947	1,161,453	
NET IMPORTS OF REGION	-21,496	4,818	-39,846	17,067	122,864	-52,108	-428,352	-25,211	-422,264	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.25%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

BEA ECONOMIC AREA 152 IDAHO FALLS IDAHO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,866	354	-	3,929	-	6,128	56	17,355	33,688	27%
INDUSTRIAL	1,919	533	-	2,724	-	6,204	13,592	16,593	41,565	33%
TRANSPORTATION	8,472	-	34,457	2,218	-	87	1	-	45,235	36%
MISCELLANEOUS USES	231	95	-	2	-	256	-	117	701	1%
TOTAL FINAL DEMAND SECTORS	16,488	982	34,457	8,873	-	12,675	13,649	34,065	121,189	97%
TRANSFORMATION										
ELECTRICITY GEN.	120	-	-	-	-	4	-	-39	85	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	120	-	-	-	-	4	-	-39	85	0%
TOTAL GROSS FLOWS	16,508	982	34,457	8,873	-	12,679	13,649	34,065	121,274	97%
LOSSES & OMISSIONS	960	0	-0	-370	-	-459	-30	3,406	3,506	3%
TOTAL NET USAGE	17,568	982	34,456	8,502	-	12,219	13,618	37,432	124,780	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	14,706	14,706	100%
NUCLEAR	-	-	-	-	-	-	-	7	7	0%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	14,713	14,713	
NET IMPORTS OF REGION	17,568	982	34,456	8,502	-	12,219	13,618	22,719	110,067	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.55%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 153 BUTTE MONTANA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,139	638	-	5,278	-	19,024	36	10,435	38,550	25%
INDUSTRIAL	6,214	2,555	-	4,761	-	11,384	16,537	25,908	67,399	44%
TRANSPORTATION	13,819	94	25,052	3,624	-	510	1	-	43,100	28%
MISCELLANEOUS USES	471	167	-	19	-	167	-	123	947	1%
TOTAL FINAL DEMAND SECTORS	23,643	3,494	25,052	13,682	-	31,085	16,574	36,466	149,996	97%
TRANSFORMATION										
ELECTRICITY GEN.	1,331	-	-	-	-	356	-	-520	1,167	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,331	-	-	-	-	356	-	-520	1,167	1%
TOTAL GROSS FLOWS	24,974	3,494	25,052	13,682	-	31,441	16,574	36,466	151,163	98%
LOSSES & OMISSIONS	1,443	0	-0	-571	-	-1,138	-36	3,646	3,343	2%
TOTAL NET USAGE	26,417	3,494	25,051	13,110	-	30,302	16,537	39,592	154,506	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	32,604	32,604	98%
NUCLEAR	-	-	-	-	-	-	-	696	696	2%
GEO.&SOLAR	-	-	-	-	-	-	-	26	26	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	33,326	33,326	
NET IMPORTS OF REGION	26,417	3,494	25,051	13,110	-	30,302	16,537	6,266	121,180	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =69.18%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 154 SPOKANE WASHINGTON 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	13,666	2,059	-	7,420	-	14,003	60	36,529	73,737	31%
INDUSTRIAL	9,123	3,715	-	12,605	-	6,961	10,458	40,632	83,494	35%
TRANSPORTATION	9,214	919	56,031	4,852	-	87	1	-	71,104	30%
MISCELLANEOUS USES	450	187	-	2	-	448	1	218	1,306	1%
TOTAL FINAL DEMAND SECTORS	32,453	6,880	56,031	24,879	-	21,499	10,520	77,379	229,641	97%
TRANSFORMATION										
ELECTRICITY GEN.	318	-	-	-	-	-	-	-103	215	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	318	-	-	-	-	-	-	-103	215	0%
TOTAL GROSS FLOWS	32,771	6,880	56,031	24,879	-	21,499	10,520	77,379	229,856	97%
LOSSES & OMISSIONS	1,894	0	-0	-1,039	-	-778	-23	7,738	7,791	3%
TOTAL NET USAGE	34,655	6,880	56,030	23,839	-	20,720	10,496	85,014	237,647	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	308,888	308,888	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	308,888	308,888	
NET IMPORTS OF REGION	34,655	6,880	56,030	23,839	-	20,720	10,496	-223,873	-71,240	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.61%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 155 SEATTLE-EVERETT WASHINGTON 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	45,989	8,110	-	23,396	-	48,001	135	121,166	246,797	28%
INDUSTRIAL	27,499	44,522	-	88,414	-	27,790	17,279	71,230	276,734	32%
TRANSPORTATION	21,811	11,211	166,591	54,274	-	881	2	-	254,770	29%
MISCELLANEOUS USES	2,623	1,090	-	16	-	2,364	6	1,261	7,360	1%
TOTAL FINAL DEMAND SECTORS	97,922	64,933	166,591	166,100	-	79,036	17,422	193,657	785,661	90%
TRANSFORMATION										
ELECTRICITY GEN.	746	-	-	-	-	-	45,648	-14,709	31,685	4%
PETROLEUM PRODUCTS	-119,221	-142,211	-305,390	-207,407	772,877	3,126	-	-	1,774	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-118,475	-142,211	-305,390	-207,407	772,877	3,126	45,648	-14,709	33,459	4%
TOTAL GROSS FLOWS	98,668	64,933	166,591	166,100	772,877	82,162	63,070	193,657	819,120	94%
LOSSES & OMISSIONS	5,704	1	-0	-6,943	38,583	-2,976	-138	19,367	53,598	6%
TOTAL NET USAGE	-14,848	-77,276	-138,799	-48,250	811,460	79,186	62,931	198,315	872,718	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	135,660	-	135,660	62%
HYDROELECTRIC	-	-	-	-	-	-	-	52,177	52,177	24%
NUCLEAR	-	-	-	-	-	-	-	29,775	29,775	14%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	135,660	81,952	217,612	
NET IMPORTS OF REGION	-14,848	-77,276	-138,799	-48,250	811,460	79,186	-72,728	116,363	655,106	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.30%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 156 YAKIMA WASHINGTON 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,686	1,638	-	4,260	-	8,696	33	22,069	45,382	34%
INDUSTRIAL	5,285	1,875	-	4,720	-	4,261	1,588	12,055	29,384	22%
TRANSPORTATION	6,067	595	31,429	2,742	-	50	1	-	40,884	31%
MISCELLANEOUS USES	307	327	-	2	-	327	-	147	910	1%
TOTAL FINAL DEMAND SECTORS	20,345	3,835	31,429	11,724	-	13,334	1,522	34,271	116,560	87%
TRANSFORMATION										
ELECTRICITY GEN.	108	-	-	-	-	-	19,020	-6,063	13,065	10%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	108	-	-	-	-	-	19,020	-6,063	13,065	10%
TOTAL GROSS FLOWS	20,453	3,835	31,429	11,724	-	13,334	20,642	34,271	129,625	97%
LOSSES & OMISSIONS	1,182	0	-0	-490	-	-482	-45	3,427	3,591	3%
TOTAL NET USAGE	21,635	3,835	31,428	11,233	-	12,851	20,596	31,635	133,216	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	56,771	56,771	66%
NUCLEAR	-	-	-	-	-	-	-	28,620	28,620	34%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	85,391	85,391	
NET IMPORTS OF REGION	21,635	3,835	31,428	11,233	-	12,851	20,596	-53,755	47,825	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.30%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 157 PORTLAND OREGON-WASHINGTON 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	40,492	8,727	-	18,302	-	36,119	264	90,927	194,831	28%
INDUSTRIAL	33,036	24,839	-	50,492	-	34,861	26,458	102,703	272,389	40%
TRANSPORTATION	31,446	2,659	147,188	14,272	-	345	2	-	195,912	28%
MISCELLANEOUS USES	972	404	-	6	-	1,023	2	454	2,861	0%
TOTAL FINAL DEMAND SECTORS	105,946	36,629	147,188	83,072	-	72,348	26,726	194,084	665,993	97%
TRANSFORMATION										
ELECTRICITY GEN.	1,376	-	-	-	-	-	1,331	-865	1,842	0%
PETROLEUM PRODUCTS	-4,500	-5,367	-11,527	-7,828	29,173	118	-	-	67	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,124	-5,367	-11,527	-7,828	29,173	118	1,331	-865	1,909	0%
TOTAL GROSS FLOWS	107,322	36,629	147,188	83,072	29,173	72,466	28,057	194,084	667,902	97%
LOSSES & OMISSIONS	6,204	0	-0	-3,472	1,456	-2,624	-61	19,410	20,912	3%
TOTAL NET USAGE	109,026	31,261	135,660	71,770	30,629	69,841	27,995	212,629	688,814	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	138,502	138,502	95%
NUCLEAR	-	-	-	-	-	-	-	6,655	6,655	5%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	145,157	145,157	
NET IMPORTS OF REGION	109,026	31,261	135,660	71,770	30,629	69,841	27,995	67,472	543,657	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 158 EUGENE OREGON 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,807	3,234	-	5,665	-	13,679	106	32,681	70,572	36%
INDUSTRIAL	9,656	3,258	-	3,720	-	7,547	3,290	17,703	51,174	26%
TRANSPORTATION	11,226	673	54,559	3,438	-	93	1	-	70,000	35%
MISCELLANEOUS USES	436	181	-	2	-	432	1	189	1,241	1%
TOTAL FINAL DEMAND SECTORS	36,125	7,346	54,559	13,825	-	21,151	3,398	50,573	192,987	97%
TRANSFORMATION										
ELECTRICITY GEN.	160	-	-	-	-	-	-	-51	109	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	160	-	-	-	-	-	-	-51	109	0%
TOTAL GROSS FLOWS	36,285	7,346	54,569	19,825	-	21,151	3,398	50,573	193,096	97%
LOSSES & OMISSIONS	2,097	0	-0	-828	-	-766	-7	5,057	5,553	3%
TOTAL NET USAGE	38,382	7,346	54,568	18,996	-	20,384	3,390	55,579	198,649	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	15,136	15,136	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	15,136	15,136	
NET IMPORTS OF REGION	38,382	7,346	54,568	18,996	-	20,384	3,390	40,443	183,513	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.13%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 159 BOISE CITY IDAHO 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 ETU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,762	451	-	3,670	-	5,763	54	16,733	32,433	33%
INDUSTRIAL	1,642	358	-	1,488	-	2,736	6,724	10,653	23,601	24%
TRANSPORTATION	4,579	34	32,233	1,866	-	57	-	-	38,769	39%
MISCELLANEOUS USES	353	147	-	2	-	432	1	194	1,129	1%
TOTAL FINAL DEMAND SECTORS	12,336	990	32,233	7,026	-	8,988	6,779	27,580	95,932	97%
TRANSFORMATION										
ELECTRICITY GEN.	87	-	-	-	-	-	-	-28	59	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	87	-	-	-	-	-	-	-28	59	0%
TOTAL GROSS FLOWS	12,423	990	32,233	7,026	-	8,988	6,779	27,580	95,991	97%
LOSSES & OMISSIONS	718	0	-0	-293	-	-325	-14	2,758	2,842	3%
TOTAL NET USAGE	13,141	990	32,232	6,732	-	8,662	6,764	30,310	98,833	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	14,899	14,899	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	14,899	14,899	
NET IMPORTS OF REGION	13,141	990	32,232	6,732	-	8,662	6,764	15,411	83,934	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 160 RENO NEVADA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3.122	40	-	1,670	-	6,133	2	8,607	19,574	14%
INDUSTRIAL	3.372	3,023	-	2,086	-	19,862	3,398	10,842	42,583	31%
TRANSPORTATION	7.077	-	29,948	9,920	-	705	-	-	47,650	34%
MISCELLANEOUS USES	136	38	-	1	-	312	-	103	590	0%
TOTAL FINAL DEMAND SECTORS	13.707	3,101	29,948	13,677	-	27,012	3,400	19,552	110,397	80%
TRANSFORMATION										
ELECTRICITY GEN.	12	-	-	-	-	25,387	16,177	-13,705	27,871	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	12	-	-	-	-	25,387	16,177	-13,705	27,871	20%
TOTAL GROSS FLOWS	13,719	3,101	29,948	13,677	-	52,399	19,577	19,552	138,268	100%
LOSSES & OMISSIONS	793	0	-0	-571	-	-1,898	-43	1,955	235	0%
TOTAL NET USAGE	14,512	3,101	29,947	13,105	-	50,500	19,533	7,802	138,503	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	170	170	15%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	958	958	85%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,128	1,128	
NET IMPORTS OF REGION	14,512	3,101	29,947	13,105	-	50,500	19,533	6,674	137,375	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.0%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 161 LAS VEGAS NEVADA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,755	169	-	3,243	-	11,560	5	13,149	32,881	12%
INDUSTRIAL	2,996	3,730	-	6,102	-	19,351	4,830	10,192	47,201	18%
TRANSPORTATION	4,473	3	45,215	21,434	-	1,534	-	-	72,659	28%
MISCELLANEOUS USES	224	69	-	4	-	424	-	159	880	0%
TOTAL FINAL DEMAND SECTORS	12,448	3,971	45,215	30,783	-	32,869	4,835	23,500	153,621	58%
TRANSFORMATION										
ELECTRICITY GEN.	1,192	-	-	-	-	15,592	148,387	-54,379	110,792	42%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,192	-	-	-	-	15,592	148,387	-54,379	110,792	42%
TOTAL GROSS FLOWS	13,640	3,971	45,215	30,783	-	48,461	153,222	23,500	264,413	100%
LOSSES & OMISSIONS	788	0	-0	-1,286	-	-1,755	-337	2,350	-240	0%
TOTAL NET USAGE	14,428	3,971	45,214	29,496	-	46,705	152,884	-28,528	264,172	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,196	-	-	-	6,196	82%
HYDROELECTRIC	-	-	-	-	-	-	-	280	280	4%
NUCLEAR	-	-	-	-	-	-	-	30	30	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,076	1,076	14%
TOTAL SUPPLY	-	-	-	-	6,196	-	-	1,386	7,582	
NET IMPORTS OF REGION	14,428	3,971	45,214	29,496	-6,196	46,705	152,884	-29,914	256,590	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.08%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 162 PHOENIX ARIZONA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,492	1,753	-	9,382	-	50,065	13	43,035	112,740	17%
INDUSTRIAL	5,420	6,999	-	19,636	-	75,074	14,248	19,002	140,379	22%
TRANSPORTATION	37,370	-	166,266	39,040	-	3,795	1	-	246,472	38%
MISCELLANEOUS USES	702	198	-	5	-	1,559	-	515	2,979	0%
TOTAL FINAL DEMAND SECTORS	51,984	8,950	166,266	68,063	-	130,493	14,262	62,552	502,570	78%
TRANSFORMATION										
ELECTRICITY GEN.	17,930	22,696	-	-	-	25,032	148,696	-72,813	141,541	22%
PETROLEUM PRODUCTS	-2,346	-2,799	-6,010	-4,082	15,211	61	-	-	34	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	15,583	19,897	-6,010	-4,082	15,211	25,093	148,696	-72,813	141,575	22%
TOTAL GROSS FLOWS	69,914	31,646	166,266	68,063	15,211	155,586	162,958	62,552	644,145	100%
LOSSES & OMISSIONS	4,041	0	-0	-2,845	759	-5,535	-358	6,255	2,217	0%
TOTAL NET USAGE	71,609	28,847	160,254	61,135	15,971	149,950	162,599	-4,005	646,363	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,200	4,556	513,678	-	523,434	86%
HYDROELECTRIC	-	-	-	-	-	-	-	50,731	50,731	8%
NUCLEAR	-	-	-	-	-	-	-	28,765	28,765	5%
GEO.&SOLAR	-	-	-	-	-	-	-	3,066	3,066	1%
TOTAL SUPPLY	-	-	-	-	5,200	4,556	513,678	82,562	605,996	
NET IMPORTS OF REGION	71,609	28,847	160,254	61,135	10,771	145,394	-351,078	-86,567	40,367	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 163 TUCSON ARIZONA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTOES										
RESIDENTIAL,COMM.	2,743	568	-	2,987	-	16,025	4	13,943	36,270	22%
INDUSTRIAL	1,241	936	-	2,002	-	20,100	3,457	4,847	32,583	20%
TRANSPORTATION	11,131	-	52,913	10,728	-	1,042	1	-	75,815	47%
MISCELLANEOUS USES	357	100	-	3	-	796	-	267	1,523	1%
TOTAL FINAL DEMAND SECTORS	15,472	1,604	52,913	15,720	-	37,963	3,462	19,057	146,191	90%
TRANSFORMATION										
ELECTRICITY GEN.	3,655	12,638	-	-	-	7,312	-	-8,272	15,333	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,655	12,638	-	-	-	7,312	-	-8,272	15,333	9%
TOTAL GROSS FLOWS	19,127	14,242	52,913	15,720	-	45,275	3,462	19,057	161,524	100%
LOSSES & OMISSIONS	1,105	0	-0	-657	-	-1,639	-7	1,905	707	0%
TOTAL NET USAGE	20,232	14,242	52,912	15,062	-	43,635	3,454	12,690	162,231	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	148	148	14%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	934	934	86%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,082	1,082	
NET IMPORTS OF REGION	20,232	14,242	52,912	15,062	-	43,635	3,454	11,608	161,149	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.96%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 164 SAN DIEGO CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,012	143	-	7,730	-	51,276	-	28,057	89,218	28%
INDUSTRIAL	1,530	1,165	-	3,259	-	15,362	792	7,250	29,358	9%
TRANSPORTATION	6,161	6,697	121,366	22,690	-	3,908	-	5	160,827	50%
MISCELLANEOUS USES	671	189	-	11	-	3,241	-	1,291	5,403	2%
TOTAL FINAL DEMAND SECTORS	10,374	8,194	121,366	33,690	-	73,787	792	36,603	284,806	88%
TRANSFORMATION										
ELECTRICITY GEN.	3,875	41,426	-	-	-	14,043	-	-20,533	38,811	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,875	41,426	-	-	-	14,043	-	-20,533	38,811	12%
TOTAL GROSS FLOWS	14,249	49,620	121,366	33,690	-	87,830	792	36,603	323,617	100%
LOSSES & OMISSIONS	823	1	-0	-1,408	-	-3,131	-1	3,660	-106	0%
TOTAL NET USAGE	15,072	49,621	121,365	32,281	-	84,648	790	19,730	323,510	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTEIC	-	-	-	-	-	-	-	284	284	1%
NUCLEAR	-	-	-	-	-	-	-	29,875	29,875	93%
GEO.&SOLAR	-	-	-	-	-	-	-	1,794	1,794	6%
TOTAL SUPPLY	-	-	-	-	-	-	-	31,953	31,953	
NET IMPORTS OF REGION	15,072	49,621	121,365	32,281	-	84,648	790	-12,222	291,557	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.40%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 165 LOS ANGELES-LONG BEACH CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,885	1,000	-	48,030	-	326,449	8	185,554	573,926	18%
INDUSTRIAL	34,073	72,887	-	269,760	-	467,932	54,335	110,401	1,009,388	32%
TRANSPORTATION	97,429	51,545	753,613	174,517	-	30,039	3	356	1,107,502	36%
MISCELLANEOUS USES	3,076	866	-	27	-	7,969	1	2,750	14,689	0%
TOTAL FINAL DEMAND SECTORS	147,463	126,298	753,613	492,334	-	832,389	54,347	299,061	2,705,505	87%
TRANSFORMATION										
ELECTRICITY GEN.	35,663	276,433	-	-	-	116,433	-	-148,418	280,111	9%
PETROLEUM PRODUCTS	-415,437	-495,546	-1,064,158	-722,730	2,693,161	10,893	-	-	6,183	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	60,020	-	-54,140	-	-	5,880	0%
NET FUEL USED IN TRANSFORMATION	-379,774	-219,113	-1,064,158	-662,710	2,693,161	73,186	-	-148,418	292,174	9%
TOTAL GROSS FLOWS	183,126	402,731	753,613	552,354	2,693,161	959,715	54,347	299,061	2,997,679	96%
LOSSES & OMISSIONS	10,587	9	-2	-23,089	134,447	-34,763	-119	29,909	116,977	4%
TOTAL NET USAGE	-221,723	-92,805	-310,547	-193,465	2,827,608	870,811	54,227	180,552	3,114,657	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,292,541	42,294	-	-	1,334,835	95%
HYDROELECTRIC	-	-	-	-	-	-	-	13,317	13,317	1%
NUCLEAR	-	-	-	-	-	-	-	36,466	36,466	3%
GEO.&SOLAR	-	-	-	-	-	-	-	15,570	15,570	1%
TOTAL SUPPLY	-	-	-	-	1,292,541	42,294	-	65,353	1,400,188	
NET IMPORTS OF REGION	-221,723	-92,805	-310,547	-193,465	1,535,067	828,517	54,227	115,199	1,714,469	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.37%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 166 FRESNO CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,245	83	-	4,883	-	32,042	-	17,075	55,328	19%
INDUSTRIAL	3,535	3,130	-	6,890	-	82,931	2,725	11,731	110,942	37%
TRANSPORTATION	12,954	2,028	76,685	6,836	-	1,174	1	84	99,762	34%
MISCELLANEOUS USES	361	102	-	4	-	940	-	325	1,732	1%
TOTAL FINAL DEMAND SECTORS	18,095	5,343	76,685	18,613	-	117,087	2,726	29,215	267,764	90%
TRANSFORMATION										
ELECTRICITY GEN.	-	3,902	-	-	-	11,208	-	-4,927	10,183	3%
PETROLEUM PRODUCTS	-51,009	-72,773	-156,276	-106,136	395,503	1,599	-	-	908	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-51,009	-68,871	-156,276	-106,136	395,503	12,807	-	-4,927	11,091	4%
TOTAL GROSS FLOWS	18,095	9,245	76,685	18,613	395,503	129,894	2,726	29,215	278,855	94%
LOSSES & OMISSIONS	1,046	0	-0	-778	19,744	-4,705	-6	2,921	18,222	6%
TOTAL NET USAGE	-41,867	-63,527	-79,591	-88,301	415,247	125,139	2,719	27,209	297,078	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	825,466	29,458	-	-	854,924	96%
HYDROELECTRIC	-	-	-	-	-	-	-	24,046	24,046	3%
NUCLEAR	-	-	-	-	-	-	-	14,722	14,722	2%
GEO.&SOLAR	-	-	-	-	-	-	-	1,432	1,432	0%
TOTAL SUPPLY	-	-	-	-	825,466	29,458	-	40,200	895,124	
NET IMPORTS OF REGION	-41,867	-63,527	-79,591	-88,301	-410,218	95,731	2,719	-12,990	-598,045	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.39%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 167 STOCKTON CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	821	50	-	3,314	-	21,261	-	10,885	36,331	24%
INDUSTRIAL	2,253	1,773	-	2,269	-	24,778	1,781	7,598	40,452	27%
TRANSPORTATION	9,204	1,273	52,067	4,298	-	737	-	46	67,625	45%
MISCELLANEOUS USES	342	96	-	2	-	839	-	284	1,563	1%
TOTAL FINAL DEMAND SECTORS	12,620	3,192	52,067	9,883	-	47,615	1,781	18,813	145,971	97%
TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	7,217	-	-2,297	4,920	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	7,217	-	-2,297	4,920	3%
TOTAL GROSS FLOWS	12,620	3,192	52,067	9,883	-	54,832	1,781	18,813	150,891	100%
LOSSES & OMISSIONS	729	0	-0	-413	-	-1,986	-3	1,881	207	0%
TOTAL NET USAGE	13,349	3,192	52,066	9,469	-	52,845	1,777	18,397	151,098	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	21,402	21,402	96%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	921	921	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	22,323	22,323	
NET IMPORTS OF REGION	13,349	3,192	52,066	9,469	-	52,845	1,777	-3,925	128,775	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.17%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 168 SACRAMENTO CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,533	113	-	5,814	-	38,623	-	21,144	67,227	29%
INDUSTRIAL	1,764	1,282	-	2,262	-	17,408	809	6,257	29,782	13%
TRANSPORTATION	12,840	2,606	91,285	8,757	-	1,505	1	138	117,132	51%
MISCELLANEOUS USES	1,017	286	-	8	-	2,506	-	850	4,667	2%
TOTAL FINAL DEMAND SECTORS	17,154	4,287	91,285	16,841	-	60,042	810	28,389	218,808	96%
TRANSFORMATION										
ELECTRICITY GEN.	1,735	-	-	-	-	10,892	-	-4,199	8,428	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,735	-	-	-	-	10,892	-	-4,199	8,428	4%
TOTAL GROSS FLOWS	18,889	4,287	91,285	16,841	-	70,934	810	28,389	227,236	100%
LOSSES & OMISSIONS	1,092	0	-0	-703	-	-2,569	-1	2,839	655	0%
TOTAL NET USAGE	19,981	4,287	91,284	16,137	-	68,364	809	27,029	227,891	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	30,357	30,666	-	-	61,023	48%
HYDROELECTRIC	-	-	-	-	-	-	-	54,308	54,308	43%
NUCLEAR	-	-	-	-	-	-	-	10,339	10,339	8%
GEO.&SOLAR	-	-	-	-	-	-	-	1,391	1,391	1%
TOTAL SUPPLY	-	-	-	-	30,357	30,666	-	66,038	127,061	
NET IMPORTS OF REGION	19,981	4,287	91,284	16,137	-30,357	37,698	809	-39,008	100,830	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 56.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 169 REDDING CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	262	20	-	980	-	6,577	-	3,643	11,482	27%
INDUSTRIAL	953	487	-	473	-	2,792	65	1,578	6,348	15%
TRANSPORTATION	2,723	914	15,425	3,084	-	531	-	24	22,701	53%
MISCELLANEOUS USES	98	28	-	1	-	226	-	74	427	1%
TOTAL FINAL DEMAND SECTORS	4,036	1,449	15,425	4,538	-	10,126	65	5,319	40,958	95%
TRANSFORMATION										
ELECTRICITY GEN.	1,157	-	-	-	-	2,041	-	-1,138	2,060	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,157	-	-	-	-	2,041	-	-1,138	2,060	5%
TOTAL GROSS FLOWS	5,193	1,449	15,425	4,538	-	12,167	65	5,319	43,018	100%
LOSSES & OMISSIONS	300	0	-0	-189	-	-440	-0	531	201	0%
TOTAL NET USAGE	5,493	1,449	15,424	4,348	-	11,726	64	4,712	43,219	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,064	1,077	-	-	2,141	5%
HYDROELECTRIC	-	-	-	-	-	-	-	40,356	40,356	94%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	261	261	1%
TOTAL SUPPLY	-	-	-	-	1,064	1,077	-	40,617	42,758	
NET IMPORTS OF REGION	5,493	1,449	15,424	4,348	-1,064	10,649	64	-35,904	461	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.42%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 170 EUREKA CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	125	6	-	517	-	3,301	-	1,671	5,620	23%
INDUSTRIAL	1,126	501	-	723	-	2,477	384	1,163	6,374	26%
TRANSPORTATION	874	191	8,110	646	-	111	-	4	9,936	41%
MISCELLANEOUS USES	23	6	-	-	-	55	-	18	102	0%
TOTAL FINAL DEMAND SECTORS	2,148	704	8,110	1,886	-	5,944	384	2,856	22,032	91%
TRANSFORMATION										
ELECTRICITY GEN.	-	2,276	-	-	-	1,095	-	-1,142	2,229	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-	2,276	-	-	-	1,095	-	-1,142	2,229	9%
TOTAL GROSS FLOWS	2,148	2,980	8,110	1,886	-	7,039	384	2,856	24,261	100%
LOSSES & OMISSIONS	124	0	-0	-78	-	-254	-0	285	75	0%
TOTAL NET USAGE	2,272	2,980	8,109	1,807	-	6,784	383	1,999	24,336	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	753	762	-	-	1,515	33%
HYDROELECTRIC	-	-	-	-	-	-	-	2,288	2,288	49%
NUCLEAR	-	-	-	-	-	-	-	713	713	15%
GEO.&SOLAR	-	-	-	-	-	-	-	140	140	3%
TOTAL SUPPLY	-	-	-	-	753	762	-	3,141	4,656	
NET IMPORTS OF REGION	2,272	2,980	8,109	1,807	-753	6,022	383	-1,141	19,680	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 171 SAN FRANCISCO-OAKLAND CALIFORNIA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,486	518	-	23,883	-	162,484	2	92,748	286,121	18%
INDUSTRIAL	13,644	51,585	-	164,132	-	127,296	17,730	45,945	420,332	27%
TRANSPORTATION	52,741	46,799	374,745	158,428	-	27,282	2	242	660,239	42%
MISCELLANEOUS USES	1,838	517	-	18	-	5,254	-	1,870	9,497	1%
TOTAL FINAL DEMAND SECTORS	74,709	99,419	374,745	346,461	-	322,316	17,734	140,805	1,376,189	87%
TRANSFORMATION										
ELECTRICITY GEN.	7,739	131,908	-	-	-	54,019	-	-66,402	127,264	8%
PETROLEUM PRODUCTS	-257,471	-307,119	-659,523	-447,920	1,669,114	6,751	-	-	3,832	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-249,732	-175,211	-659,523	-447,920	1,669,114	60,770	-	-66,402	131,096	8%
TOTAL GROSS FLOWS	82,448	231,327	374,745	346,461	1,669,114	383,086	17,734	140,805	1,507,285	95%
LOSSES & OMISSIONS	4,766	5	-1	-14,482	83,325	-13,876	-39	14,081	73,779	5%
TOTAL NET USAGE	-170,256	-75,786	-284,779	-115,941	1,752,439	369,209	17,694	88,484	1,581,064	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	122,069	36,192	-	-	158,261	85%
HYDROELECTRIC	-	-	-	-	-	-	-	1,093	1,093	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	27,027	27,027	15%
TOTAL SUPPLY	-	-	-	-	122,069	36,192	-	28,120	186,381	
NET IMPORTS OF REGION	-170,256	-75,786	-284,779	-115,941	1,630,370	333,017	17,694	60,364	1,394,683	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 172 ANCHORAGE ALASKA 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,265	123	-	5,076	-	13,798	73	9,631	40,966	14%
INDUSTRIAL	41,092	53,152	-	15,233	-	7,832	3,488	2,998	124,795	42%
TRANSPORTATION	18,764	5,209	23,611	65,605	-	269	-	-	114,458	39%
MISCELLANEOUS USES	799	332	-	8	-	2,351	2	529	4,021	1%
TOTAL FINAL DEMAND SECTORS	72,920	58,846	23,611	87,922	-	24,250	3,563	13,158	284,240	96%
TRANSFORMATION										
ELECTRICITY GEN.	692	-	-	-	-	-	-	-223	469	0%
PETROLEUM PRODUCTS	-28,688	-34,220	-73,486	-49,909	185,978	752	-	-	427	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-27,996	-34,220	-73,486	-49,909	185,978	752	-	-223	896	0%
TOTAL GROSS FLOWS	73,612	58,846	23,611	87,922	185,978	25,002	3,563	13,158	285,136	97%
LOSSES & OMISSIONS	4,255	1	-0	-3,675	9,284	-905	-7	1,315	10,268	3%
TOTAL NET USAGE	49,179	24,597	-49,875	34,337	195,262	24,096	3,555	14,250	295,404	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,055,960	4,328,608	14,560	-	8,399,228	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,066	1,066	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	4,055,960	4,328,608	14,560	1,066	8,400,294	
NET IMPORTS OF REGION	49,179	24,597	-49,875	34,337	-3,860,697	-4,304,511	-11,104	13,184	-8,104,889	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 173 HONOLULU HAWAII 1985

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,053	112	-	4,070	-	21,860	6	10,474	37,575	9%
INDUSTRIAL	28,769	139,791	-	45,523	-	1,910	1,731	2,818	220,542	51%
TRANSPORTATION	4,288	6,377	42,246	90,029	-	4,816	-	-	147,756	34%
MISCELLANEOUS USES	587	166	-	6	-	1,242	-	634	2,635	1%
TOTAL FINAL DEMAND SECTORS	34,697	146,446	42,246	139,628	-	29,828	1,737	13,926	408,508	94%
TRANSFORMATION										
ELECTRICITY GEN.	-	20,420	-	-	-	5,343	-	-8,812	16,951	4%
PETROLEUM PRODUCTS	-37,528	-44,764	-96,129	-65,287	243,282	984	-	-	558	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-37,528	-24,344	-96,129	-65,287	243,282	6,327	-	-8,812	17,509	4%
TOTAL GROSS FLOWS	34,697	166,866	42,246	139,628	243,282	36,155	1,737	13,926	426,017	98%
LOSSES & OMISSIONS	2,005	3	-0	-5,836	12,145	-1,309	-3	1,392	8,397	2%
TOTAL NET USAGE	-825	122,105	-53,883	68,504	255,427	34,845	1,733	6,506	434,414	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	108	108	14%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	683	683	86%
TOTAL SUPPLY	-	-	-	-	-	-	-	791	791	
NET IMPORTS OF REGION	-825	122,105	-53,883	68,504	255,427	34,845	1,733	5,715	433,623	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.80%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.23%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

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CENSUS REGION 1 NEW ENGLAND 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	785,728	213,406	-	121,355	-	235,413	33	215,017	1,570,952	42%
INDUSTRIAL	25,173	244,429	-	135,571	-	93,991	3,140	124,109	626,413	17%
TRANSPORTATION	67,651	17,480	850,879	84,680	-	10,571	11	100	1,031,372	27%
MISCELLANEOUS USES	11,955	8,344	-	162	-	14,237	-	3,144	37,842	1%
TOTAL FINAL DEMAND SECTORS	890,507	483,659	850,879	341,768	-	354,212	3,184	342,370	3,266,579	87%
TRANSFORMATION										
ELECTRICITY GEN.	49,002	193,400	-	-	-	-	218,106	-157,712	302,796	8%
PETROLEUM PRODUCTS	-1,303,805	-143,214	-1,457,324	-430,963	3,316,299	18,005	-	-	-1,002	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	59,830	-	-53,970	-	-	5,860	0%
NET FUEL USED IN TRANSFORMATION	-1,254,803	50,185	-1,457,324	-371,133	3,316,299	-35,964	218,106	-157,712	307,653	8%
TOTAL GROSS FLOWS	939,509	677,059	850,879	401,598	3,316,299	372,217	221,290	342,370	3,575,235	95%
LOSSES & EMISSIONS	58,477	13	4	-15,840	137,577	-10,058	2,995	28,407	201,577	5%
TOTAL NET USAGE	-305,818	533,857	-606,440	-45,206	3,453,877	308,188	224,285	213,065	3,775,809	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	20,890	20,890	9%
NUCLEAR	-	-	-	-	-	-	-	195,619	195,619	88%
GEO.&SOLAR	-	-	-	-	-	-	-	6,830	6,830	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	223,339	223,339	
NET IMPORTS OF REGION	-305,818	533,857	-606,440	-45,206	3,453,877	308,188	224,285	-10,273	3,552,470	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.79%

CENSUS REGION 2 MID ATLANTIC 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,254,248	476,037	-	274,359	-	904,208	2,293	712,689	3,563,834	30%
INDUSTRIAL	189,436	397,991	-	661,114	-	573,313	1,226,160	557,582	3,605,596	30%
TRANSPORTATION	231,330	99,137	2,159,276	300,156	-	44,097	86	10,755	2,844,887	24%
MISCELLANEOUS USES	16,355	18,916	-	318	-	28,901	74	12,065	76,629	1%
TOTAL FINAL DEMAND SECTORS	1,691,369	932,131	2,159,276	1,235,947	-	1,550,519	1,228,613	1,293,091	10,090,946	84%
TRANSFORMATION										
ELECTRICITY GEN.	137,916	401,094	-	-	-	1,008	1,811,849	-777,547	1,574,320	13%
PETROLEUM PRODUCTS	-1,292,753	-120,032	-1,221,423	-361,202	2,779,482	15,050	-	-	-838	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	203,660	-	-183,710	-	-	19,950	0%
NET FUEL USED IN TRANSFORMATION	-954,837	281,061	-1,221,423	-157,542	2,779,482	-167,611	1,811,849	-777,547	1,593,431	13%
TOTAL GROSS FLOWS	1,829,285	1,333,225	2,159,276	1,439,607	2,779,482	1,566,617	3,040,462	1,293,091	11,685,216	98%
LOSSES & OMISSIONS	113,860	26	10	-58,784	115,307	-42,333	41,155	107,292	278,535	2%
TOTAL NET USAGE	850,391	1,213,219	937,853	1,024,620	2,894,790	1,340,574	3,081,617	622,836	11,962,912	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	41,899	77,009	2,933,168	-	3,052,076	83%
HYDROELECTRIC	-	-	-	-	-	-	-	130,825	130,825	4%
NUCLEAR	-	-	-	-	-	-	-	508,517	508,517	14%
GEO.&SOLAR	-	-	-	-	-	-	-	6,832	6,832	0%
TOTAL SUPPLY	-	-	-	-	41,899	77,009	2,933,168	646,174	3,698,250	
NET IMPORTS OF REGION	850,391	1,213,219	937,863	1,024,620	2,852,891	1,263,565	148,449	-23,337	8,264,662	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.94%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

CENSUS REGION 3 E.N.CENTRAL 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,041,248	145,791	-	511,353	-	2,108,577	9,812	896,340	4,713,121	26%
INDUSTRIAL	406,001	368,247	-	1,327,931	-	617,079	2,291,074	1,115,847	6,126,179	34%
TRANSPORTATION	461,800	8,360	3,067,299	243,089	-	68,319	6	1,198	3,850,071	21%
MISCELLANEOUS USES	50,716	26,914	-	1,130	-	23,656	39	11,175	113,630	1%
TOTAL FINAL DEMAND SECTORS	1,959,765	549,312	3,067,299	2,083,503	-	2,817,631	2,300,931	2,024,560	14,803,001	82%
TRANSFORMATION										
ELECTRICITY GEN.	216,156	71,021	-	-	-	25,918	4,099,725	-1,569,263	2,843,557	16%
PETROLEUM PRODUCTS	-1,314,958	-526,689	-2,704,873	-1,188,757	5,645,610	125,448	-	-	35,780	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	313,510	-	-282,800	-	-	30,710	0%
NET FUEL USED IN TRANSFORMATION	-1,098,802	-455,668	-2,704,873	-875,247	5,645,610	-131,433	4,099,725	-1,569,263	2,910,047	16%
TOTAL GROSS FLOWS	2,175,921	620,333	3,067,299	2,397,013	5,645,610	2,968,997	6,400,656	2,024,560	17,713,048	98%
LOSSES & OMISSIONS	135,435	12	14	-94,548	234,209	-80,228	86,638	167,985	449,519	2%
TOTAL NET USAGE	996,398	93,656	362,440	1,113,706	5,879,820	2,605,968	6,487,294	623,282	18,162,568	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	436,991	142,239	4,533,078	-	5,112,308	88%
HYDROELECTRIC	-	-	-	-	-	-	-	17,414	17,414	0%
NUCLEAR	-	-	-	-	-	-	-	656,672	656,672	11%
GEO.&SOLAR	-	-	-	-	-	-	-	6,241	6,241	0%
TOTAL SUPPLY	-	-	-	-	436,991	142,239	4,533,078	680,327	5,792,635	
NET IMPORTS OF REGION	996,398	93,656	362,440	1,113,706	5,442,829	2,463,729	1,954,216	-57,044	12,369,933	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.44%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

CENSUS REGION 4 W.N. CENTRAL 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	333,456	17,705	-	295,269	-	706,245	1,304	440,863	1,764,842	23%
INDUSTRIAL	138,987	174,220	-	548,089	-	304,239	316,191	356,507	1,898,233	25%
TRANSPORTATION	257,162	2,656	1.508,763	119,979	-	31,484	8	99	1,930,151	25%
MISCELLANEOUS USES	28,899	7,038	-	1,035	-	9,895	12	5,085	51,964	1%
TOTAL FINAL DEMAND SECTORS	798,504	201,619	1,508,763	964,372	-	1,051,863	317,515	802,554	5,645,190	74%
TRANSFORMATION										
ELECTRICITY GEN.	43,085	3,079	-	-	-	86,069	2,183,665	-632,977	1,682,922	22%
PETROLEUM PRODUCTS	-429,426	-172,000	-883,331	-388,212	1,843,589	40,967	-	-	11,687	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-135,190	282,609	-	147,419	2%
NET FUEL USED IN TRANSFORMATION	-385,341	-168,921	-883,331	-388,212	1,843,689	-8,153	2,466,275	-632,977	1,842,028	24%
TOTAL GROSS FLOWS	841,539	204,698	1,508,763	964,372	1,843,689	1,178,899	2,783,790	802,554	7,487,218	98%
LOSSES & EMISSIONS	52,332	4	7	-38,039	76,485	-31,856	37,681	66,591	163,256	2%
TOTAL NET USAGE	464,545	32,701	625,438	538,120	1,920,175	1,011,853	2,821,471	236,168	7,650,475	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	526,181	728,144	1,097,220	-	2,351,545	92%
HYDROELECTRIC	-	-	-	-	-	-	-	47,243	47,243	2%
NUCLEAR	-	-	-	-	-	-	-	146,041	146,041	6%
GEO. &SOLAR	-	-	-	-	-	-	-	4,947	4,947	0%
TOTAL SUPPLY	-	-	-	-	526,181	728,144	1,097,220	198,231	2,549,776	
NET IMPORTS OF REGION	464,545	32,701	525,438	538,120	1,393,994	283,709	1,724,251	37,937	5,100,699	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =72.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

CENSUS REGION 5 S.ATLANTIC 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	486,458	80,355	-	319,328	-	424,292	5,977	1,425,111	2,741,521	19%
INDUSTRIAL	296,891	476,802	-	547,672	-	685,246	734,233	897,895	3,638,739	26%
TRANSPORTATION	397,772	104,457	3,156,513	513,107	-	41,990	86	746	4,214,671	30%
MISCELLANEOUS USES	37,392	19,183	-	1,225	-	40,617	117	25,707	124,241	1%
TOTAL FINAL DEMAND SECTORS	1,218,513	680,797	3,156,513	1,381,332	-	1,192,145	740,413	2,349,459	10,719,172	76%
TRANSFORMATION										
ELECTRICITY GEN.	244,118	431,212	-	-	-	1,410	4,040,701	-1,594,943	3,122,498	22%
PETROLEUM PRODUCTS	-374,640	-41,151	-418,753	-123,834	952,918	5,173	-	-	-288	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	250,490	-	-225,550	-	-	24,540	0%
NET FUEL USED IN TRANSFORMATION	-130,522	390,060	-418,753	126,655	952,918	-219,366	4,040,701	-1,594,943	3,146,749	22%
TOTAL GROSS FLOWS	1,462,631	1,112,009	3,156,513	1,631,822	952,918	1,198,728	4,781,114	2,349,459	13,866,210	98%
LOSSES & OMISSIONS	91,038	22	14	-64,366	39,532	-32,392	64,716	194,943	293,510	2%
TOTAL NET USAGE	1,179,028	1,070,879	2,737,774	1,443,621	992,450	940,386	4,845,830	949,459	14,159,431	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,058,827	441,970	5,181,761	-	6,682,558	91%
HYDROELECTRIC	-	-	-	-	-	-	-	88,288	88,288	1%
NUCLEAR	-	-	-	-	-	-	-	571,712	571,712	8%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1,058,827	441,970	5,181,761	660,000	7,342,558	
NET IMPORTS OF REGION	1,179,028	1,070,879	2,737,774	1,443,621	-66,376	498,416	-335,930	289,459	6,816,873	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.19%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

CENSUS REGION 6 E.S.CENTRAL 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	53,681	5,193	-	125,715	-	208,361	2,091	594,815	989,856	14%
INDUSTRIAL	33,391	51,658	-	267,985	-	558,264	379,743	749,780	2,040,826	29%
TRANSPORTATION	267,076	24,758	1,141,509	69,433	-	6,643	4	-	1,509,423	22%
MISCELLANEOUS USES	9,631	5,064	-	447	-	10,719	12	5,559	31,432	0%
TOTAL FINAL DEMAND SECTORS	363,779	86,673	1,141,509	453,580	-	783,987	381,855	1,350,154	4,571,537	66%
TRANSFORMATION										
ELECTRICITY GEN.	173,210	38,296	-	-	-	-	2,926,090	-1,073,698	2,063,898	30%
PETROLEUM PRODUCTS	-373,753	-58,847	-659,491	-560,962	1,557,011	109,224	-	-	13,170	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-39,608	-	100,843	-	61,235	1%
NET FUEL USED IN TRANSFORMATION	-200,553	-20,551	-659,491	-560,962	1,517,403	109,224	3,026,933	-1,073,698	2,138,303	31%
TOTAL GROSS FLOWS	535,939	124,969	1,141,509	463,580	1,557,011	893,211	3,408,788	1,350,154	6,709,840	97%
LOSSES & OMISSIONS	33,423	2	5	-18,285	64,593	-24,136	46,141	112,027	213,771	3%
TOTAL NET USAGE	195,649	66,123	482,022	-115,668	1,581,997	869,074	3,454,929	388,483	6,923,612	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	340,397	148,084	5,377,734	-	5,866,215	91%
HYDROELECTRIC	-	-	-	-	-	-	-	78,449	78,449	1%
NUCLEAR	-	-	-	-	-	-	-	487,609	487,609	8%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	340,397	148,084	5,377,734	566,058	6,432,273	
NET IMPORTS OF REGION	195,649	66,123	482,022	-115,668	1,241,600	720,990	-1,922,804	-177,574	491,339	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.78%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.79%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =60.72%

CENSUS REGION 7 W.S.CENTRAL 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	132,070	30,495	-	292,401	-	823,210	26	678,058	1,956,260	9%
INDUSTRIAL	241,318	906,069	-	4,509,485	-	7,277,704	148,041	687,750	13,770,367	64%
TRANSPORTATION	452,322	205,053	2,012,001	269,683	-	90,588	4	-	3,029,651	14%
MISCELLANEOUS USES	46,641	39,252	-	848	-	18,435	-	9,769	114,945	1%
TOTAL FINAL DEMAND SECTORS	872,351	1,180,869	2,012,001	5,072,417	-	8,209,937	148,071	1,375,577	18,871,223	88%
TRANSFORMATION										
ELECTRICITY GEN.	115,469	-	-	-	-	1,295,910	1,969,673	-1,114,112	2,266,940	11%
PETROLEUM PRODUCTS	-3,647,332	-331,450	-6,143,428	-6,070,259	15,066,552	1,262,458	-	-	136,540	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-248,511	-	-	-	-248,511	0%
NET FUEL USED IN TRANSFORMATION	-3,531,863	-331,450	-6,143,428	-6,070,259	14,818,041	2,558,368	1,969,673	-1,114,112	2,154,969	10%
TOTAL GROSS FLOWS	987,820	1,180,869	2,012,001	5,072,417	15,066,552	10,768,305	2,117,744	1,375,577	21,274,703	100%
LOSSES & EMISSIONS	61,484	23	9	-200,078	625,040	-290,982	28,665	114,137	338,299	2%
TOTAL NET USAGE	-2,598,028	849,442	-4,131,417	-1,197,920	15,443,082	10,477,322	2,146,409	375,602	21,364,492	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	8,581,369	7,899,012	1,189,171	-	17,669,552	98%
HYDROELECTRIC	-	-	-	-	-	-	-	32,832	32,832	0%
NUCLEAR	-	-	-	-	-	-	-	262,959	262,959	1%
GEO.&SOLAR	-	-	-	-	-	-	-	33,434	33,434	0%
TOTAL SUPPLY	-	-	-	-	8,581,369	7,899,012	1,189,171	329,225	17,998,777	
NET IMPORTS OF REGION	-2,598,028	849,442	-4,131,417	-1,197,920	6,861,713	2,578,310	957,238	46,377	3,365,715	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.84%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

CENSUS REGION 8 MOUNTAIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	103,933	17,064	-	162,123	-	524,880	305	382,767	1,191,072	21%
INDUSTRIAL	177,931	106,744	-	240,812	-	377,628	466,799	223,129	1,593,043	29%
TRANSPORTATION	230,639	1,229	1,064,261	202,242	-	20,709	12	-	1,519,092	27%
MISCELLANEOUS USES	21,142	3,482	-	672	-	9,052	1	6,765	46,114	1%
TOTAL FINAL DEMAND SECTORS	533,545	133,519	1,064,261	505,849	-	932,269	467,117	612,661	4,349,321	78%
TRANSFORMATION										
ELECTRICITY GEN.	49,544	30,556	-	-	-	84,021	1,379,068	-502,484	1,040,705	19%
PETROLEUM PRODUCTS	-438,965	-188,980	-863,308	-366,046	1,858,542	71,817	-	-	23,060	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-112,030	-93,920	221,587	-	15,597	0%
NET FUEL USED IN TRANSFORMATION	-439,421	-158,424	-863,308	-366,046	1,746,512	61,918	1,600,615	-502,484	1,079,362	19%
TOTAL GROSS FLOWS	533,189	164,075	1,064,261	505,849	1,858,542	1,088,107	2,067,732	612,661	5,428,683	98%
LOSSES & EMISSIONS	36,299	3	5	-23,897	77,102	-29,403	27,988	50,834	138,933	2%
TOTAL NET USAGE	130,523	-24,901	200,957	215,905	1,823,614	964,784	2,095,720	161,011	5,567,616	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,435,016	1,288,275	7,031,449	-	9,754,740	97%
HYDROELECTRIC	-	-	-	-	-	-	-	169,176	169,176	2%
NUCLEAR	-	-	-	-	-	-	-	56,709	56,709	1%
GEO.&SOLAR	-	-	-	-	-	-	-	33,589	33,589	0%
TOTAL SUPPLY	-	-	-	-	1,435,016	1,288,275	7,031,449	259,474	10,014,214	
NET IMPORTS OF REGION	130,523	-24,901	200,957	215,905	388,598	-323,490	-4,935,728	-98,462	-4,446,597	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.44%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.19%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 7.04%

CENSUS REGION 9 PACIFIC 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	202,303	28,949	-	191,697	-	643,843	404	797,821	1,865,017	20%
INDUSTRIAL	279,709	461,049	-	798,328	-	877,926	165,114	462,419	3,064,545	33%
TRANSPORTATION	306,828	140,670	2,189,922	620,630	-	90,104	14	901	3,349,069	37%
MISCELLANEOUS USES	15,149	4,621	-	109	-	17,509	7	11,662	49,057	1%
TOTAL FINAL DEMAND SECTORS	803,989	635,289	2,189,922	1,610,764	-	1,629,382	165,539	1,292,803	8,327,688	91%
TRANSFORMATION										
ELECTRICITY GEN.	82,121	411,944	-	-	-	208,164	78,500	-280,395	500,334	5%
PETROLEUM PRODUCTS	-1,055,554	-1,033,933	-2,469,070	-1,694,959	6,253,892	22,138	-	-	22,514	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	60,020	-	-54,300	-	-	5,720	0%
NET FUEL USED IN TRANSFORMATION	-973,433	-621,989	-2,469,070	-1,634,939	6,253,892	176,002	78,500	-280,395	528,568	6%
TOTAL GROSS FLOWS	886,110	1,047,233	2,189,922	1,670,784	6,253,892	1,859,684	244,039	1,292,803	8,856,256	97%
LOSSES & OMISSIONS	55,154	21	10	-65,902	259,444	-50,252	3,303	107,268	309,046	3%
TOTAL NET USAGE	-114,289	13,321	-279,137	-90,077	6,513,336	1,755,131	247,342	1,119,676	9,165,302	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,189,464	6,960,551	150,320	-	14,300,335	93%
HYDROELECTRIC	-	-	-	-	-	-	-	743,378	743,378	5%
NUCLEAR	-	-	-	-	-	-	-	307,890	307,890	2%
GEO.&SOLAR	-	-	-	-	-	-	-	75,492	75,492	0%
TOTAL SUPPLY	-	-	-	-	7,189,464	6,960,551	150,320	1,126,760	15,427,095	
NET IMPORTS OF REGION	-114,289	13,321	-279,137	-90,077	-676,127	-5,205,419	97,022	-7,083	-6,261,792	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.09%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.53%

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STATE 1 ALABAMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	13,124	1,882	-	32,901	-	49,993	261	154,986	253,147	14%
INDUSTRIAL	13,785	19,416	-	75,090	-	165,086	148,929	159,803	582,109	32%
TRANSPORTATION	68,954	22,143	301,632	11,877	-	2,590	1	-	407,197	22%
MISCELLANEOUS USES	3,195	1,679	-	144	-	3,355	5	1,591	9,969	1%
TOTAL FINAL DEMAND SECTORS	99,058	45,120	301,632	120,012	-	221,024	149,196	316,380	1,252,422	68%
TRANSFORMATION										
ELECTRICITY GEN.	40,582	-	-	-	-	-	763,222	-274,979	528,825	29%
PETROLEUM PRODUCTS	-106,853	-6,602	-176,238	-185,465	439,758	39,501	-	-	4,102	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-66,271	-6,602	-176,238	-185,465	439,758	39,501	763,222	-274,979	532,927	29%
TOTAL GROSS FLOWS	139,640	45,120	301,632	120,012	439,758	260,525	912,418	316,380	1,785,349	97%
LOSSES & EMISSIONS	8,691	0	1	-4,733	18,243	-7,039	12,350	26,251	53,765	3%
TOTAL NET USAGE	41,478	38,518	125,395	-70,186	458,002	253,485	924,768	67,652	1,839,114	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	48,399	35,543	325,424	-	409,366	71%
HYDROELECTRIC	-	-	-	-	-	-	-	36,011	36,011	6%
NUCLEAR	-	-	-	-	-	-	-	132,701	132,701	23%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	48,399	35,543	325,424	168,712	578,078	
NET IMPORTS OF REGION	41,478	38,518	125,395	-70,186	409,603	217,942	599,344	-101,059	1,261,036	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 2 ALASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,571	149	-	6,764	-	1,907	48	13,115	39,554	12%
INDUSTRIAL	61,295	65,566	-	20,396	-	-	4,687	3,361	155,305	46%
TRANSPORTATION	21,371	5,446	28,407	71,134	-	236	-	-	126,594	38%
MISCELLANEOUS USES	1,110	412	-	9	-	-	2	665	2,198	1%
TOTAL FINAL DEMAND SECTORS	101,347	71,573	28,407	98,303	-	2,143	4,737	17,141	323,651	96%
TRANSFORMATION										
ELECTRICITY GEN.	1,012	-	-	-	-	-	-	-356	656	0%
PETROLEUM PRODUCTS	-28,995	-28,401	-67,822	-46,559	171,787	608	-	-	618	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-27,983	-28,401	-67,822	-46,559	171,787	608	-	-356	1,274	0%
TOTAL GROSS FLOWS	102,359	71,573	28,407	98,303	171,787	2,751	4,737	17,141	324,925	97%
LOSSES & EMISSIONS	6,371	1	0	-3,877	7,126	-74	64	1,422	11,033	3%
TOTAL NET USAGE	79,735	43,173	-39,414	47,866	178,913	2,676	4,801	18,207	335,958	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,978,761	6,797,804	14,660	-	11,791,225	100%
HYDROELECTRIC	-	-	-	-	-	-	-	2,914	2,914	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	438	438	0%
TOTAL SUPPLY	-	-	-	-	4,978,761	6,797,804	14,660	3,352	11,794,577	
NET IMPORTS OF REGION	79,735	43,173	-39,414	47,866	-4,799,847	-6,795,127	-9,858	14,855	-11,458,618	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 4 ARIZONA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,751	2,350	-	15,586	-	66,365	10	68,337	165,399	18%
INDUSTRIAL	8,079	9,282	-	27,844	-	113,842	20,817	28,554	208,418	22%
TRANSPORTATION	53,982	-	261,105	56,087	-	6,882	2	-	378,058	40%
MISCELLANEOUS USES	1,176	295	-	9	-	2,027	-	895	4,402	0%
TOTAL FINAL DEMAND SECTORS	75,988	11,927	261,105	99,526	-	189,116	20,829	97,786	756,277	81%
TRANSFORMATION										
ELECTRICITY GEN.	32,837	30,556	-	-	-	32,093	147,064	-85,487	157,063	17%
PETROLEUM PRODUCTS	-67,346	-65,967	-157,531	-108,141	399,008	1,412	-	-	1,435	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-34,509	-35,411	-157,531	-108,141	399,008	33,505	147,064	-85,487	158,498	17%
TOTAL GROSS FLOWS	108,825	42,483	261,105	99,526	399,008	222,621	167,893	97,786	914,775	97%
LOSSES & EMISSIONS	6,773	0	1	-3,925	16,552	-6,015	2,272	8,113	23,773	3%
TOTAL NET USAGE	48,252	-23,483	103,575	-12,540	415,560	216,605	170,165	20,412	938,548	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,948	1,727	558,252	-	564,927	84%
HYDROELECTRIC	-	-	-	-	-	-	-	50,535	50,535	8%
NUCLEAR	-	-	-	-	-	-	-	49,435	49,435	7%
GEO.&SOLAR	-	-	-	-	-	-	-	6,141	6,141	1%
TOTAL SUPPLY	-	-	-	-	4,948	1,727	558,252	106,111	671,038	
NET IMPORTS OF REGION	48,252	-23,483	103,575	-12,540	410,612	214,878	-388,086	-85,698	267,510	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 5 ARKANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,505	7,560	-	29,945	-	99,017	6	59,016	218,049	16%
INDUSTRIAL	55,573	198,648	-	158,331	-	226,574	11,076	66,315	716,517	53%
TRANSPORTATION	65,028	-	195,292	13,277	-	5,741	1	-	279,339	21%
MISCELLANEOUS USES	3,538	2,979	-	58	-	1,373	-	609	8,557	1%
TOTAL FINAL DEMAND SECTORS	146,644	209,187	195,292	201,611	-	332,705	11,083	125,940	1,222,462	90%
TRANSFORMATION										
ELECTRICITY GEN.	10,568	-	-	-	-	46,179	290,287	-115,021	232,013	17%
PETROLEUM PRODUCTS	-26,546	-1,640	-43,784	-46,076	109,252	9,813	-	-	1,019	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-106,383	-	-	-	-106,383	-7%
NET FUEL USED IN TRANSFORMATION	-15,978	-1,640	-43,784	-46,076	2,869	55,992	290,287	-115,021	126,649	9%
TOTAL GROSS FLOWS	157,212	209,187	195,292	201,611	109,252	388,697	301,370	125,940	1,455,494	107%
LOSSES & EMISSIONS	9,785	4	0	-7,952	4,532	-10,503	4,079	10,449	10,395	1%
TOTAL NET USAGE	140,451	207,551	151,508	147,582	7,401	378,194	305,449	21,368	1,359,507	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	95,059	87,544	20,108	-	202,71[illegible]	79%
HYDROELECTRIC	-	-	-	-	-	-	-	14,969	14,969	5%
NUCLEAR	-	-	-	-	-	-	-	36,849	36,849	14%
GEO.&SOLAR	-	-	-	-	-	-	-	3,061	3,06[illegible]	1%
TOTAL SUPPLY	-	-	-	-	95,059	87,544	20,108	54,879	257,590	
NET IMPORTS OF REGION	140,451	207,551	151,508	147,582	-87,657	290,650	285,341	-33,510	1,101,917	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.86%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

STATE 6 CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	26,273	1,792	-	109,577	-	596,307	4	395,836	1,129,789	18%
INDUSTRIAL	67,050	144,946	-	518,710	-	875,692	88,194	219,737	1,914,329	31%
TRANSPORTATION	199,261	112,943	1,625,126	380,542	-	82,700	7	901	2,401,480	39%
MISCELLANEOUS USES	7,674	1,924	-	64	-	16,470	-	7,725	33,857	1%
TOTAL FINAL DEMAND SECTORS	300,258	261,605	1,625,126	1,008,893	-	1,571,169	88,205	624,199	5,479,455	90%
TRANSFORMATION										
ELECTRICITY GEN.	76,321	394,285	-	-	-	203,173	-	-245,313	428,466	7%
PETROLEUM PRODUCTS	-783,993	-767,935	-1,833,856	-1,258,899	4,644,964	16,442	-	-	16,723	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	60,020	-	-54,300	-	-	5,720	0%
NET FUEL USED IN TRANSFORMATION	-707,672	-373,650	-1,833,856	-1,198,879	4,644,964	165,315	-	-245,313	450,909	7%
TOTAL GROSS FLOWS	376,579	655,890	1,625,126	1,068,913	4,644,964	1,790,784	88,205	624,199	5,930,364	97%
LOSSES & EMISSIONS	23,439	13	7	-42,162	192,697	-48,390	1,193	51,792	178,590	3%
TOTAL NET USAGE	-383,974	-112,031	-208,722	-232,148	4,837,661	1,688,093	89,398	430,678	6,108,955	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,210,703	162,747	-	-	2,373,450	86%
HYDROELECTRIC	-	-	-	-	-	-	-	160,695	160,695	6%
NUCLEAR	-	-	-	-	-	-	-	158,812	158,812	6%
GEO.&SOLAR	-	-	-	-	-	-	-	57,843	57,843	2%
TOTAL SUPPLY	-	-	-	-	2,210,703	162,747	-	377,350	2,750,800	
NET IMPORTS OF REGION	-383,974	-112,031	-208,722	-232,148	2,626,958	1,525,346	89,398	53,328	3,358,155	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =63.59%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.53%

STATE 8 COLORADO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,849	4,611	-	60,342	-	208,920	79	109,508	403,309	30%
INDUSTRIAL	50,674	9,334	-	71,833	-	26,151	164,468	14,747	347,207	26%
TRANSPORTATION	27,097	73	248,699	65,981	-	3,777	3	-	345,630	26%
MISCELLANEOUS USES	6,483	2,049	-	279	-	2,550	-	2,131	13,492	1%
TOTAL FINAL DEMAND SECTORS	104,103	26,057	248,699	198,435	-	241,398	164,550	126,386	1,109,638	82%
TRANSFORMATION										
ELECTRICITY GEN.	4,387	-	-	-	-	1,047	321,471	-102,470	224,435	17%
PETROLEUM PRODUCTS	-43,017	-13,748	-72,138	-20,461	145,510	6,127	-	-	2,272	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-38.630	-13,748	-72,138	-20,461	145,510	7,174	321,471	-102,470	226,707	17%
TOTAL GROSS FLOWS	108.490	26,067	248,699	198,435	145,510	248,572	486,021	126,386	1,336,345	99%
LOSSES & EMISSIONS	6,752	0	1	-7,827	6,036	-6,716	6,578	10,486	15,312	1%
TOTAL NET USAGE	72,225	12,319	176,562	170,146	151,546	241,856	492,599	34,402	1,351,657	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	133,688	125,006	750,375	-	1,009,569	98%
HYDROELECTRIC	-	-	-	-	-	-	-	12,829	12,829	1%
NUCLEAR	-	-	-	-	-	-	-	2,047	2,047	0%
GEO. & SOLAR	-	-	-	-	-	-	-	8,030	8,030	1%
TOTAL SUPPLY	-	-	-	-	133,688	125,006	750,375	22,906	1,032,475	
NET IMPORTS OF REGION	72,225	12,319	176,562	170,146	17,858	116,850	-258,275	11,496	319,182	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 9 CONNECTICUT 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	121,944	25,403	-	26,123	-	53,460	17	61,629	288,576	32%
INDUSTRIAL	8,043	81,178	-	50,413	-	28,327	1,044	30,285	199,290	22%
TRANSPORTATION	20,820	643	212,155	20,282	-	2,408	3	-	256,311	28%
MISCELLANEOUS USES	1,957	1,367	-	36	-	3,243	-	681	7,284	1%
TOTAL FINAL DEMAND SECTORS	152,764	108,591	212,155	96,854	-	87,438	1,064	92,595	751,461	83%
TRANSFORMATION										
ELECTRICITY GEN.	11,259	63,361	-	-	-	-	53,006	-43,375	84,251	9%
PETROLEUM PRODUCTS	-465,645	-51,148	-520,473	-153,915	1,184,393	6,430	-	-	-357	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	59,830	-	-53,970	-	-	5,860	1%
NET FUEL USED IN TRANSFORMATION	-454,386	12,213	-520,473	-94,085	1,184,393	-47,539	53,006	-43,375	89,753	10%
TOTAL GROSS FLOWS	164,023	171,952	212,155	156,684	1,184,393	93,868	54,070	92,595	841,572	93%
LOSSES & OMISSIONS	10,209	3	1	-6,180	49,134	-2,536	731	7,682	59,046	7%
TOTAL NET USAGE	-291,412	120,807	-308,316	-3,411	1,233,527	37,361	54,801	56,902	900,261	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,423	2,423	3%
NUCLEAR	-	-	-	-	-	-	-	67,563	67,563	94%
GEO.&SOLAR	-	-	-	-	-	-	-	1,847	1,847	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	71,833	71,833	
NET IMPORTS OF REGION	-291,412	120,807	-308,316	-3,411	1,233,527	37,361	54,801	-14,930	828,428	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.01%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.79%

STATE 10 DELAWARE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,717	1,295	-	4,564	-	9,830	147	33,347	67,900	18%
INDUSTRIAL	17,504	51,395	-	46,709	-	19,957	7,860	57,008	200,443	52%
TRANSPORTATION	2,161	8,389	48,783	558	-	70[illegible]	3	-	60,595	16%
MISCELLANEOUS USES	362	181	-	7	-	438	2	178	1,168	0%
TOTAL FINAL DEMAND SECTORS	38,744	61,260	48,783	51,838	-	30,936	8,012	90,533	330,106	86%
TRANSFORMATION										
ELECTRICITY GEN.	2,096	9,667	-	-	-	-	40,972	-17,078	35,657	9%
PETROLEUM PRODUCTS	-81,488	-8,951	-91,083	-26,935	207,269	1,125	-	-	-62	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USEI IN TRANSFORMATION	-79,392	716	-91,083	-26,935	207,269	1,125	40,972	-17,078	35,594	9%
TOTAL GROSS FLOWS	40,840	70,927	48,783	51,838	207,269	32,051	48,984	90,533	365,763	96%
LOSSES & OMISSIONS	2,542	1	0	-2,044	8,598	-856	663	7,511	16,406	4%
TOTAL NET USAGE	-38,[illegible]05	61,977	-42,299	22,858	215,867	31,194	49,647	80,966	382,106	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTEIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	
NET IMPORTS OF REGION	-38,[illegible]05	61,977	-42,299	22,858	215,867	31,194	49,647	80,966	382,106	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.62%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 11 WASHINGTON, D.C. 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	32,186	12,161	-	3,930	-	15,978	55	19,673	83,983	50%
INDUSTRIAL	257	432	-	1,143	-	308	642	1,845	4,627	3%
TRANSPORTATION	5,209	8,286	44,494	21	-	2,290	1	34	60,295	36%
MISCELLANEOUS USES	2,746	1,372	-	43	-	3,158	11	1,399	8,729	5%
TOTAL FINAL DEMAND SECTORS	40,398	22,211	44,494	5,137	-	21,734	709	22,951	157,634	93%
TRANSFORMATION										
ELECTRICITY GEN.	1,985	8,338	-	-	-	-	-	-3,101	7,222	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,985	8,338	-	-	-	-	-	-3,101	7,222	4%
TOTAL GROSS FLOWS	42,383	30,549	44,494	5,137	-	21,734	709	22,951	164,856	98%
LOSSES & OMISSIONS	2,638	0	0	-202	-	-587	9	1,904	3,762	2%
TOTAL NET USAGE	45,021	30,549	44,494	4,934	-	21,146	718	21,754	168,618	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	
NET IMPORTS OF REGION	45,021	30,549	44,494	4,934	-	21,146	718	21,754	168,618	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =69.96%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 12 FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	74,451	16,701	-	104,051	-	33,264	1,511	537,708	767,686	22%
INDUSTRIAL	62,101	90,006	-	88,206	-	114,881	60,597	110,209	526,000	15%
TRANSPORTATION	87,420	17,687	978,308	256,027	-	11,980	2	-	1,351,424	38%
MISCELLANEOUS USES	7,982	4,196	-	355	-	7,045	16	5,511	25,105	1%
TOTAL FINAL DEMAND SECTORS	231,954	128,590	978,308	448,639	-	167,170	62,126	653,428	2,670,215	75%
TRANSFORMATION										
ELECTRICITY GEN.	84,705	287,261	-	-	-	-	873,303	-423,330	821,939	23%
PETROLEUM PRODUCTS	-3,317	-364	-3,708	-1,096	8,438	45	-	-	-2	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	81,387	286,896	-3,708	-1,096	8,438	45	873,303	-423,330	821,936	23%
TOTAL GROSS FLOWS	316,659	415,851	978,308	448,639	8,438	167,215	935,429	653,428	3,492,154	98%
LOSSES & OMISSIONS	19,709	8	4	-17,696	350	-4,518	12,661	54,217	64,737	2%
TOTAL NET USAGE	333,051	415,494	974,604	429,846	8,788	162,697	948,090	284,315	3,556,888	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,019,001	255,947	-	-	1,274,948	93%
HYDROELECTRIC	-	-	-	-	-	-	-	3,708	3,708	0%
NUCLEAR	-	-	-	-	-	-	-	88,981	88,981	7%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1,019,001	255,947	-	92,689	1,367,637	
NET IMPORTS OF REGION	333,051	415,494	974,604	429,846	-1,010,212	-93,249	948,090	191,626	2,189,251	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.00%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 13 GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	49,106	12,967	-	50,744	-	80,147	182	218,244	411,390	18%
INDUSTRIAL	33,403	63,485	-	72,234	-	142,761	64,619	134,612	511,114	22%
TRANSPORTATION	84,795	1,000	495,762	117,001	-	5,347	1	-	703,906	31%
MISCELLANEOUS USES	5,344	2,807	-	228	-	5,071	8	2,326	15,784	1%
TOTAL FINAL DEMAND SECTORS	172,648	80,259	495,762	240,207	-	233,326	64,810	355,182	1,642,194	72%
TRANSFORMATION										
ELECTRICITY GEN.	48,894	15,636	-	-	-	-	838,975	-309,058	594,447	26%
PETROLEUM PRODUCTS	-10,476	-1,150	-11,710	-3,463	26,648	144	-	-	-8	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	38,417	14,485	-11,710	-3,463	26,648	144	838,975	-309,058	594,438	26%
TOTAL GROSS FLOWS	221,542	95,895	495,762	240,207	26,648	233,470	903,785	355,182	2,236,641	98%
LOSSES & OMISSIONS	13,789	1	2	-9,474	1,105	-6,308	12,233	29,470	40,819	2%
TOTAL NET USAGE	224,854	94,746	484,053	227,269	27,754	227,161	916,018	75,594	2,277,452	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	26,442	26,442	24%
NUCLEAR	-	-	-	-	-	-	-	85,132	85,132	76%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	111,574	111,574	
NET IMPORTS OF REGION	224,854	94,746	484,053	227,269	27,754	227,161	916,018	-35,979	2,165,878	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 15 HAWAII 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,104	104	-	4,768	-	21,305	3	11,569	38,853	8%
INDUSTRIAL	31,719	156,787	-	51,652	-	2,234	1,985	3,140	247,517	52%
TRANSPORTATION	4,482	6,278	46,748	88,230	-	5,957	-	-	151,695	32%
MISCELLANEOUS USES	630	157	-	6	-	1,039	-	670	2,502	1%
TOTAL FINAL DEMAND SECTORS	37,935	163,326	46,748	144,656	-	30,535	1,988	15,379	440,567	93%
TRANSFORMATION										
ELECTRICITY GEN.	-	17,659	-	-	-	4,991	-	-7,993	14,657	3%
PETROLEUM PRODUCTS	-75,289	-73,747	-176,111	-120,896	446,069	1,579	-	-	1,605	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-75,289	-56,088	-176,111	-120,896	446,069	6,570	-	-7,993	16,262	3%
TOTAL GROSS FLOWS	37,935	180,985	46,748	144,656	446,069	37,105	1,988	15,379	456,829	97%
LOSSES & EMISSIONS	2,361	3	0	-5,705	18,505	-1,002	26	1,276	15,464	3%
TOTAL NET USAGE	-34,992	107,241	-129,362	18,054	464,574	36,102	2,014	8,662	472,293	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	276	276	22%
NUCLEAR	-	-	-	-	-	-	-	37	37	3%
GEO.&SOLAR	-	-	-	-	-	-	-	966	966	76%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,279	1,279	
NET IMPORTS OF REGION	-34,992	107,241	-129,362	18,054	464,574	36,102	2,014	7,383	471,014	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 16 IDAHO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,503	837	-	11,445	-	1,909	87	52,657	85,438	27%
INDUSTRIAL	7,488	2,603	-	8,529	-	-	39,471	43,556	101,647	32%
TRANSPORTATION	15,217	-	92,732	5,631	-	144	1	-	113,725	36%
MISCELLANEOUS USES	807	300	-	3	-	-	-	411	1,521	0%
TOTAL FINAL DEMAND SECTORS	42,015	3,740	92,732	25,608	-	2,053	39,559	96,624	302,331	97%
TRANSFORMATION										
ELECTRICITY GEN.	601	-	-	-	-	-	-	-211	390	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	601	-	-	-	-	-	-	-211	390	0%
TOTAL GROSS FLOWS	42,616	3,740	92,732	25,608	-	2,053	39,559	96,624	302,721	97%
LOSSES & OMISSIONS	2,652	0	0	-1,010	-	-55	535	8,017	10,140	3%
TOTAL NET USAGE	45,268	3,740	92,732	24,597	-	1,997	40,094	104,430	312,861	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	49,421	49,421	95%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2,468	2,468	5%
TOTAL SUPPLY	-	-	-	-	-	-	-	51,889	51,889	
NET IMPORTS OF REGION	45,268	3,740	92,732	24,597	-	1,997	40,094	52,541	260,972	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.89%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 17 ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	321,530	82,207	-	131,972	-	597,046	2,722	236,627	1,372,104	30%
INDUSTRIAL	128,130	75,846	-	385,738	-	158,470	409,144	235,240	1,392,568	30%
TRANSPORTATION	134,023	1,636	742,352	83,272	-	36,677	3	1,015	998,978	22%
MISCELLANEOUS USES	15,672	8,316	-	345	-	7,350	13	3,650	35,346	1%
TOTAL FINAL DEMAND SECTORS	599,355	168,005	742,352	601,327	-	799,543	411,882	476,532	3,798,996	82%
TRANSFORMATION										
ELECTRICITY GEN.	49,359	24,901	-	-	-	5,423	933,260	-359,956	652,987	14%
PETROLEUM PRODUCTS	-620,906	-248,695	-1,277,207	-561,316	2,665,785	59,235	-	-	16,894	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-571,547	-223,794	-1,277,207	-561,316	2,665,785	64,658	933,260	-359,956	669,881	14%
TOTAL GROSS FLOWS	648,774	192,906	742,352	601,327	2,665,785	864,201	1,345,142	476,532	4,468,877	97%
LOSSES & EMISSIONS	40,377	3	3	-23,718	110,590	-23,352	18,207	39,539	161,652	3%
TOTAL NET USAGE	68,185	-55,785	-534,852	16,291	2,776,376	840,843	1,363,349	156,115	4,630,529	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	154,475	11,782	2,107,574	-	2,273,831	89%
HYDROELECTRIC	-	-	-	-	-	-	-	1,208	1,208	0%
NUCLEAR	-	-	-	-	-	-	-	275,745	275,745	11%
GEO.&SOLAR	-	-	-	-	-	-	-	1,468	1,468	0%
TOTAL SUPPLY	-	-	-	-	154,475	11,782	2,107,574	278,421	2,552,252	
NET IMPORTS OF REGION	68,185	-55,785	-534,852	16,291	2,621,901	829,065	-744,224	-122,305	2,078,277	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 64.46%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 18 INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	198,746	36,384	-	70,345	-	217,851	1,670	122,386	647,382	21%
INDUSTRIAL	107,104	120,436	-	249,173	-	105,310	358,670	163,334	1,114,027	36%
TRANSPORTATION	85,009	1,931	442,854	95,164	-	4,410	1	63	629,432	20%
MISCELLANEOUS USES	6,641	3,522	-	142	-	2,957	4	1,332	14,598	0%
TOTAL FINAL DEMAND SECTORS	397,500	162,273	442,854	414,824	-	330,528	370,345	287,115	2,405,439	78%
TRANSFORMATION										
ELECTRICITY GEN.	32,168	13,603	-	-	-	3,165	805,079	-303,804	550,211	18%
PETROLEUM PRODUCTS	-286,661	-114,818	-589,663	-259,149	1,230,745	27,347	-	-	7,801	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	313,510	-	-282,800	-	-	30,710	1%
NET FUEL USED IN TRANSFORMATION	-254,493	-101,215	-589,663	54,361	1,230,745	-252,287	805,079	-303,804	588,722	19%
TOTAL GROSS FLOWS	429,668	175,876	442,854	728,334	1,230,745	361,040	1,175,424	287,115	2,994,161	97%
LOSSES & EMISSIONS	26,743	3	2	-28,728	51,057	-9,756	15,910	23,823	79,055	3%
TOTAL NET USAGE	169,750	61,060	-146,806	440,456	1,281,802	68,484	1,191,334	7,134	3,073,217	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	29,055	1,419	843,542	-	874,016	94%
HYDROELECTRIC	-	-	-	-	-	-	-	1,204	1,204	0%
NUCLEAR	-	-	-	-	-	-	-	53,635	53,635	6%
GEO.&SOLAR	-	-	-	-	-	-	-	884	884	0%
TOTAL SUPPLY	-	-	-	-	29,055	1,419	843,542	55,723	929,739	
NET IMPORTS OF REGION	169,750	61,060	-146,806	440,456	1,252,747	67,065	347,792	-48,588	2,143,478	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.43%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 19 ICWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	44,179	738	-	54,725	-	130,372	135	72,277	302,426	25%
INDUSTRIAL	37,020	18,276	-	85,843	-	37,582	66,347	72,332	317,400	26%
TRANSPORTATION	50,504	-	254,108	5,653	-	2,284	1	-	313,550	25%
MISCELLANEOUS USES	4,906	915	-	159	-	1,277	1	726	7,984	1%
TOTAL FINAL DEMAND SECTORS	136,609	19,929	254,108	147,380	-	171,515	66,484	145,335	941,360	76%
TRANSFORMATION										
ELECTRICITY GEN.	6,690	-	-	-	-	2,199	357,037	-92,829	273,097	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,690	-	-	-	-	2,199	357,037	-92,829	273,097	22%
TOTAL GROSS FLOWS	143,299	19,929	254,108	147,380	-	173,714	423,521	145,335	1,214,457	99%
LOSSES & OMISSIONS	8,919	0	1	-5,813	-	-4,694	5,732	12,059	16,205	1%
TOTAL NET USAGE	152,218	19,929	254,109	141,566	-	169,019	429,253	64,565	1,230,662	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	16,765	-	16,765	38%
HYDROELECTEIC	-	-	-	-	-	-	-	1,575	1,575	4%
NUCLEAR	-	-	-	-	-	-	-	26,140	26,140	59%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	16,765	27,715	44,480	
NET IMPORTS OF REGION	152,218	19,929	254,109	141,566	-	169,019	412,488	36,850	1,186,182	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.62%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 20 KANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,983	386	-	38,551	-	111,697	97	61,783	219,497	19%
INDUSTRIAL	18,123	33,017	-	122,473	-	88,740	10,849	68,194	341,396	29%
TRANSPORTATION	39,539	128	213,372	8,741	-	3,015	2	-	264,797	22%
MISCELLANEOUS USES	3,776	705	-	180	-	1,728	2	627	7,018	1%
TOTAL FINAL DEMAND SECTORS	68,421	34,236	213,372	169,945	-	205,180	10,950	130,604	832,708	70%
TRANSFORMATION										
ELECTRICITY GEN.	1,844	-	-	-	-	63,897	333,806	-103,134	296,413	25%
PETROLEUM PRODUCTS	-232,725	-93,215	-478,717	-210,390	999,177	22,202	-	-	6,332	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-230,881	-93,215	-478,717	-210,390	999,177	86,099	333,806	-103,134	302,745	26%
TOTAL GROSS FLOWS	70,265	34,236	213,372	169,945	999,177	291,279	344,756	130,604	1,135,453	96%
LOSSES & EMISSIONS	4,373	0	1	-6,703	41,451	-7,870	4,666	10,836	46,755	4%
TOTAL NET USAGE	-158,086	-58,978	-265,343	-47,148	1,040,628	283,408	349,422	38,306	1,182,208	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	350,587	690,041	23,361	-	1,064,089	98%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	17,683	17,683	2%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	350,687	690,041	23,361	17,683	1,081,772	
NET IMPORTS OF REGION	-158,086	-58,978	-265,343	-47,148	689,941	-406,632	326,061	20,623	100,436	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.19%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 21 KENTUCKY 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	13,078	999	-	3[illegible],262	-	76,604	620	122,348	244,911	13%
INDUSTRIAL	5,759	5,338	-	4[illegible],948	-	104,877	91,336	236,189	491,447	25%
TRANSPORTATION	65,696	39	272,556	1[illegible],638	-	1,084	2	-	357,015	18%
MISCELLANEOUS USES	2,637	1,387	-	127	-	3,236	3	1,951	9,341	0%
TOTAL FINAL DEMAND SECTORS	87,170	7,763	272,556	96,975	-	185,801	91,951	360,488	1,102,714	56%
TRANSFORMATION										
ELECTRICITY GEN.	46,273	11,705	-	-	-	-	1,044,436	-376,428	726,036	37%
PETROLEUM PRODUCTS	-83,258	-33,348	-171,261	-7[illegible],266	357,458	7,942	-	-	2,266	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-39,608	-	100,843	-	61,235	3%
NET FUEL USED IN TRANSFORMATION	-36,985	-21,643	-171,261	-7[illegible],266	317,850	7,942	1,145,329	-376,428	789,537	40%
TOTAL GROSS FLOWS	133,443	19,468	272,556	96,975	357,458	193,743	1,237,230	360,488	1,892,251	97%
LOSSES & OMISSIONS	8,305	0	1	-[illegible],825	14,829	-5,235	16,747	29,911	60,735	3%
TOTAL NET USAGE	58,490	-13,879	101,295	1[illegible],883	332,679	188,508	1,254,037	13,971	1,952,986	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	43,819	41,580	4,920,234	-	5,005,633	100%
HYDROELECTRIC	-	-	-	-	-	-	-	10,645	10,645	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	43,819	41,580	4,920,234	10,645	5,016,278	
NET IMPORTS OF REGION	58,490	-13,879	101,295	1[illegible],883	288,860	146,923	-3,666,196	3,326	-3,063,291	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.86%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =60.72%

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,245	1,500	-	46,731	-	113,122	11	105,656	272,265	5%
INDUSTRIAL	85,870	351,800	-	1,407,802	-	2,055,420	24,891	167,684	4,093,467	78%
TRANSPORTATION	77,729	56,444	259,431	27,364	-	21,463	1	-	442,432	8%
MISCELLANEOUS USES	5,550	4,670	-	107	-	2,235	-	1,270	13,832	0%
TOTAL FINAL DEMAND SECTORS	174,394	414,414	259,431	1,482,004	-	2,192,240	24,903	274,610	4,821,996	91%
TRANSFORMATION										
ELECTRICITY GEN.	23,045	-	-	-	-	238,867	199,877	-152,158	309,631	6%
PETROLEUM PRODUCTS	-1,173,965	-72,537	-1,936,291	-2,037,664	4,831,540	433,994	-	-	45,076	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,150,920	-72,537	-1,936,291	-2,037,664	4,831,540	672,861	199,877	-152,158	354,707	7%
TOTAL GROSS FLOWS	197,439	414,414	259,431	1,482,004	4,831,540	2,865,101	224,780	274,610	5,176,703	98%
LOSSES & OMISSIONS	12,289	8	1	-58,456	200,437	-77,421	3,042	22,785	102,686	2%
TOTAL NET USAGE	-964,236	341,884	-1,676,858	-614,116	5,031,977	2,787,680	227,822	145,237	5,279,390	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,505,284	3,294,318	-	-	5,799,602	99%
HYDROELECTRIC	-	-	-	-	-	-	-	379	379	0%
NUCLEAR	-	-	-	-	-	-	-	64,699	64,699	1%
GEO.&SOLAR	-	-	-	-	-	-	-	6,675	6,675	0%
TOTAL SUPPLY	-	-	-	-	2,505,284	3,294,318	-	71,753	5,871,355	
NET IMPORTS OF REGION	-964,236	341,884	-1,676,858	-614,116	2,526,693	-506,637	227,822	73,484	-591,964	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 23 MAINE 1990

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	76,547	20,832	-	11,102	-	1,824	6	17,105	127,416	29%
INDUSTRIAL	6,905	82,206	-	5,121	-	3,827	492	26,600	125,151	28%
TRANSPORTATION	8,937	13,275	88,093	7,098	-	604	5	-	118,012	26%
MISCELLANEOUS USES	1,379	963	-	15	-	1,104	-	291	3,752	1%
TOTAL FINAL DEMAND SECTORS	93,768	117,276	88,093	23,336	-	7,359	503	43,996	374,331	84%
TRANSFORMATION										
ELECTRICITY GEN.	4,874	18,223	-	-	-	-	25,186	-16,524	31,759	7%
PETROLEUM PRODUCTS	-291,028	-31,968	-325,296	-96,198	740,246	4,019	-	-	-225	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-286,154	-13,745	-325,296	-96,198	740,246	4,019	25,186	-16,524	31,534	7%
TOTAL GROSS FLOWS	98,642	135,499	88,093	23,336	740,246	11,378	25,689	43,996	406,090	91%
LOSSES & EMISSIONS	6,139	2	0	-920	30,709	-307	347	3,650	39,622	9%
TOTAL NET USAGE	-186,246	103,533	-237,202	-73,782	770,955	11,070	26,036	31,122	445,487	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,636	3,636	18%
NUCLEAR	-	-	-	-	-	-	-	15,967	15,967	78%
GEO.&SOLAR	-	-	-	-	-	-	-	878	878	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	20,481	20,481	
NET IMPORTS OF REGION	-186,246	103,533	-237,202	-73,782	770,955	11,070	26,036	10,641	425,006	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.78%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 24 MARYLAND 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	89,838	18,236	-	26,405	-	88,997	289	97,506	321,271	26%
INDUSTRIAL	39,469	49,145	-	39,721	-	33,752	103,665	52,013	317,765	26%
TRANSPORTATION	26,496	19,356	302,464	20,118	-	5,370	20	712	374,536	31%
MISCELLANEOUS USES	7,441	3,718	-	126	-	8,730	31	3,755	23,801	2%
TOTAL FINAL DEMAND SECTORS	163,244	90,455	302,464	86,370	-	136,849	104,005	153,986	1,037,373	86%
TRANSFORMATION										
ELECTRICITY GEN.	8,808	49,122	-	-	-	1,410	138,640	-63,587	134,393	11%
PETROLEUM PRODUCTS	-135,328	-14,865	-151,262	-44,732	344,214	1,868	-	-	-104	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	1%
NET FUEL USED IN TRANSFORMATION	-126,520	34,257	-151,262	80,513	344,214	-109,696	138,640	-63,587	146,558	12%
TOTAL GROSS FLOWS	172,052	139,577	302,464	211,615	344,214	140,127	242,645	153,986	1,184,036	98%
LOSSES & OMISSIONS	10,709	2	1	-8,347	14,279	-3,786	3,284	12,776	28,920	2%
TOTAL NET USAGE	47,433	124,714	151,203	158,535	358,493	23,366	245,929	103,175	1,212,852	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17,935	70,532	87,175	-	175,642	76%
HYDROELECTRIC	-	-	-	-	-	-	-	3,710	3,710	2%
NUCLEAR	-	-	-	-	-	-	-	50,487	50,487	22%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	17,935	70,532	87,175	54,197	229,839	
NET IMPORTS OF REGION	47,433	124,714	151,203	158,535	340,558	-47,165	158,754	48,978	983,013	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.88%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 25 MASSACHUSETTS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	455,710	140,197	-	61,383	-	148,346	3	97,946	903,585	51%
INDUSTRIAL	7,081	51,491	-	56,607	-	39,429	582	42,284	197,574	11%
TRANSPORTATION	26,842	3,265	377,991	54,942	-	6,147	3	100	469,290	27%
MISCELLANEOUS USES	5,321	3,714	-	75	-	6,870	-	1,448	17,428	1%
TOTAL FINAL DEMAND SECTORS	494,954	198,667	377,991	173,007	-	200,792	688	141,778	1,587,877	90%
TRANSFORMATION										
ELECTRICITY GEN.	25,350	98,184	-	-	-	-	86,650	-72,229	137,955	8%
PETROLEUM PRODUCTS	-58,206	-6,393	-65,059	-19,239	148,049	803	-	-	-44	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-32,856	91,790	-65,059	-19,239	148,049	803	86,650	-72,229	137,910	8%
TOTAL GROSS FLOWS	520,304	296,851	377,991	173,007	148,049	201,595	87,338	141,778	1,725,832	98%
LOSSES & OMISSIONS	32,385	5	1	-6,824	6,141	-5,447	1,182	11,763	39,209	2%
TOTAL NET USAGE	494,483	290,463	312,933	146,943	154,190	196,148	88,520	81,312	1,764,996	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	7,938	7,938	16%
NUCLEAR	-	-	-	-	-	-	-	37,773	37,773	78%
GEO.&SOLAR	-	-	-	-	-	-	-	2,829	2,829	6%
TOTAL SUPPLY	-	-	-	-	-	-	-	48,540	48,540	
NET IMPORTS OF REGION	494,483	290,463	312,933	146,943	154,190	196,148	88,520	32,772	1,716,456	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.64%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 26 MICHIGAN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	245,723	12,146	-	122,207	-	520,201	1,383	201,595	1,103,255	29%
INDUSTRIAL	56,951	94,442	-	269,951	-	112,857	510,752	257,012	1,301,965	34%
TRANSPORTATION	66,948	2,900	748,502	27,924	-	11,003	1	-	857,278	22%
MISCELLANEOUS USES	11,154	5,921	-	254	-	5,331	10	2,395	25,065	1%
TOTAL FINAL DEMAND SECTORS	380,776	115,409	748,502	420,336	-	649,392	512,146	461,002	3,287,563	86%
TRANSFORMATION										
ELECTRICITY GEN.	47,178	26,535	-	-	-	7,671	655,658	-261,272	475,770	12%
PETROLEUM PRODUCTS	-84,933	-34,018	-174,707	-76,781	364,649	8,102	-	-	2,310	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-37,755	-7,483	-174,707	-76,781	364,649	15,773	655,658	-261,272	478,080	12%
TOTAL GROSS FLOWS	427,954	141,944	748,502	420,336	364,649	665,165	1,167,804	461,002	3,765,643	98%
LOSSES & OMISSIONS	26,637	2	3	-16,579	15,127	-17,974	15,807	38,251	61,275	2%
TOTAL NET USAGE	369,657	107,928	573,798	326,974	379,777	647,191	1,183,611	237,981	3,826,919	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	147,841	66,147	-	-	213,988	62%
HYDROELECTRIC	-	-	-	-	-	-	-	9,026	9,026	3%
NUCLEAR	-	-	-	-	-	-	-	118,698	118,698	35%
GEO.&SOLAR	-	-	-	-	-	-	-	1,421	1,421	0%
TOTAL SUPPLY	-	-	-	-	147,841	66,147	-	129,145	343,133	
NET IMPORTS OF REGION	369,657	107,928	573,798	326,974	231,936	581,044	1,183,611	108,836	3,483,786	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.55%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 27 MINNESOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	141,459	8,428	-	57,569	-	155,929	669	84,593	448,657	28%
INDUSTRIAL	72,922	64,958	-	79,426	-	47,180	69,390	105,648	439,524	27%
TRANSPORTATION	44,228	1,616	355,660	35,675	-	13,092	1	-	450,272	28%
MISCELLANEOUS USES	3,932	2,086	-	88	-	1,773	3	837	8,719	1%
TOTAL FINAL DEMAND SECTORS	262,551	77,088	355,660	172,758	-	217,974	70,063	191,078	1,347,172	83%
TRANSFORMATION										
ELECTRICITY GEN.	20,142	3,079	-	-	-	2,084	316,493	-121,680	220,118	14%
PETROLEUM PRODUCTS	-110,063	-44,084	-226,400	-99,500	472,542	10,500	-	-	2,994	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-89,921	-41,005	-226,400	-99,500	472,542	12,584	316,493	-121,680	223,112	14%
TOTAL GROSS FLOWS	282,693	80,167	355,660	172,758	472,542	230,558	386,556	191,078	1,570,284	97%
LOSSES & OMISSIONS	17,595	1	1	-6,814	19,603	-6,230	5,232	15,854	45,244	3%
TOTAL NET USAGE	190,225	36,084	129,261	66,443	492,145	224,328	391,788	85,252	1,615,529	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,766	1,766	6%
NUCLEAR	-	-	-	-	-	-	-	29,098	29,098	93%
GEO.&SOLAR	-	-	-	-	-	-	-	589	589	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	31,453	31,453	
NET IMPORTS OF REGION	190,225	36,084	129,261	66,443	492,145	224,328	391,788	53,799	1,584,076	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.40%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 28 MISSISSIPPI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,570	735	-	21,683	-	30,090	302	91,094	154,474	14%
INDUSTRIAL	5,181	13,945	-	36,387	-	140,138	26,026	125,233	346,910	32%
TRANSPORTATION	51,744	2,576	203,182	5,515	-	1,294	-	-	264,311	24%
MISCELLANEOUS USES	1,290	680	-	65	-	1,503	1	754	4,293	0%
TOTAL FINAL DEMAND SECTORS	68,785	17,936	203,182	63,650	-	173,025	26,329	217,081	769,988	70%
TRANSFORMATION										
ELECTRICITY GEN.	27,865	26,591	-	-	-	-	354,601	-139,995	269,062	25%
PETROLEUM PRODUCTS	-161,365	-9,970	-266,148	-280,082	664,109	59,653	-	-	6,196	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-133,500	16,620	-266,148	-280,082	664,109	59,653	354,601	-139,995	275,258	25%
TOTAL GROSS FLOWS	96,650	44,527	203,182	63,650	664,109	232,678	380,930	217,081	1,045,246	96%
LOSSES & EMISSIONS	6,015	0	0	-2,510	27,550	-6,287	5,156	18,012	47,938	4%
TOTAL NET USAGE	-58,699	34,557	-62,965	-218,943	691,659	226,391	386,086	95,098	1,093,184	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	247,340	70,961	-	-	318,301	77%
HYDROELECTRIC	-	-	-	-	-	-	-	1,121	1,121	0%
NUCLEAR	-	-	-	-	-	-	-	91,378	91,378	22%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	247,340	70,961	-	92,499	410,800	
NET IMPORTS OF REGION	-58,699	34,557	-62,965	-218,943	444,319	155,430	386,086	2,599	682,384	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.78%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 29 MISSOURI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	70,279	5,438	-	88,896	-	193,936	189	118,051	476,789	21%
INDUSTRIAL	32,025	25,854	-	211,576	-	109,143	109,794	67,264	555,656	25%
TRANSPORTATION	74,263	144	413,726	54,325	-	9,832	3	67	552,360	24%
MISCELLANEOUS USES	11,451	2,140	-	414	-	3,458	6	1,761	19,230	1%
TOTAL FINAL DEMAND SECTORS	188,018	33,576	413,726	355,211	-	316,369	109,992	187,143	1,604,035	71%
TRANSFORMATION										
ELECTRICITY GEN.	7,761	-	-	-	-	13,681	822,933	-213,765	630,610	28%
PETROLEUM PRODUCTS	-54,321	-21,757	-111,738	-49,107	233,220	5,182	-	-	1,479	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-46,560	-21,757	-111,733	-49,107	233,220	18,863	822,933	-213,765	632,089	28%
TOTAL GROSS FLOWS	195,779	33,576	413,726	355,211	233,220	335,232	932,925	187,143	2,236,124	99%
LOSSES & EMISSIONS	12,185	0	1	-14,011	9,675	-9,058	12,627	15,527	26,949	1%
TOTAL NET USAGE	153,643	11,819	301,989	292,092	242,895	326,173	945,552	-11,094	2,263,074	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	705	74	169,573	-	170,352	80%
HYDROELECTRIC	-	-	-	-	-	-	-	7,392	7,392	3%
NUCLEAR	-	-	-	-	-	-	-	35,366	35,366	17%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	705	74	169,573	42,758	213,110	
NET IMPORTS OF REGION	153,643	11,819	301,989	292,092	242,190	326,099	775,979	-53,852	2,049,964	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 30 MONTANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,847	1,685	-	15,675	-	53,289	57	32,144	111,697	19%
INDUSTRIAL	23,081	17,139	-	29,987	-	11,337	42,455	80,924	204,923	35%
TRANSPORTATION	48,018	353	74,024	9,536	-	1,021	3	-	132,955	23%
MISCELLANEOUS USES	1,690	535	-	63	-	552	-	461	3,301	1%
TOTAL FINAL DEMAND SECTORS	81,636	19,712	74,024	55,261	-	66,199	42,515	113,529	452,876	78%
TRANSFORMATION										
ELECTRICITY GEN.	3,747	-	-	-	-	941	111,876	-36,590	79,974	14%
PETROLEUM PRODUCTS	-104,771	-33,434	-175,696	-49,836	354,400	14,925	-	-	5,537	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-9,902	-	25,211	-	15,309	3%
NET FUEL USED IN TRANSFORMATION	-101,024	-33,434	-175,696	-49,836	344,498	15,866	137,087	-36,590	100,820	17%
TOTAL GROSS FLOWS	85,383	19,712	74,024	55,261	354,400	82,065	179,602	113,529	553,696	95%
LOSSES & EMISSIONS	5,314	0	0	-2,179	14,702	-2,217	2,431	9,419	27,471	5%
TOTAL NET USAGE	-14,073	-13,772	-101,672	3,244	359,201	79,847	182,033	86,358	581,167	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	185,769	74,576	2,116,247	-	2,376,592	98%
HYDROELECTRIC	-	-	-	-	-	-	-	44,583	44,583	2%
NUCLEAR	-	-	-	-	-	-	-	1,840	1,840	0%
GEO.&SOLAR	-	-	-	-	-	-	-	7,213	7,213	0%
TOTAL SUPPLY	-	-	-	-	185,769	74,576	2,116,247	53,636	2,430,228	
NET IMPORTS OF REGION	-14,073	-13,772	-101,672	3,244	173,432	5,271	-1,934,213	32,722	-1,849,060	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.61%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =60.72%

STATE 31 NEBRASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	21,521	1,058	-	29,550	-	73,520	172	45,913	171,734	26%
INDUSTRIAL	18,027	10,909	-	30,170	-	18,594	25,809	33,390	136,899	20%
TRANSPORTATION	34,975	768	145,290	6,356	-	1,608	1	32	189,030	28%
MISCELLANEOUS USES	2,579	481	-	100	-	902	-	463	4,525	1%
TOTAL FINAL DEMAND SECTORS	77,102	13,216	145,290	66,176	-	94,624	25,982	79,798	502,188	75%
TRANSFORMATION										
ELECTRICITY GEN.	3,380	-	-	-	-	3,623	205,225	-53,876	158,352	24%
PETROLEUM PRODUCTS	-2,538	-1,016	-5,221	-2,294	10,898	242	-	-	69	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	341	-1,016	-5,221	-2,294	10,898	3,865	205,225	-53,876	158,421	24%
TOTAL GROSS FLOWS	80,482	13,216	145,290	66,176	10,898	98,489	231,207	79,798	660,609	99%
LOSSES & EMISSIONS	5,309	0	0	-2,610	452	-2,661	3,129	6,621	9,941	1%
TOTAL NET USAGE	82,953	12,199	140,069	61,271	11,350	95,827	234,336	32,543	670,550	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	49,139	5,086	-	-	54,225	57%
HYDROELECTRIC	-	-	-	-	-	-	-	4,387	4,387	5%
NUCLEAR	-	-	-	-	-	-	-	36,642	36,642	38%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	49,139	5,086	-	41,029	95,254	
NET IMPORTS OF REGION	82,953	12,199	140,069	61,271	-37,788	90,741	234,336	-8,485	575,296	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.61%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 32 NEVADA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,182	93	-	4,787	-	14,253	3	23,887	51,205	13%
INDUSTRIAL	8,620	6,187	-	10,327	-	45,009	8,954	26,733	105,830	26%
TRANSPORTATION	11,846	-	82,840	34,440	-	3,093	-	-	132,219	32%
MISCELLANEOUS USES	311	77	-	2	-	590	-	266	1,246	0%
TOTAL FINAL DEMAND SECTORS	28,959	6,357	82,840	49,556	-	62,945	8,957	50,886	290,500	71%
TRANSFORMATION										
ELECTRICITY GEN.	1,743	-	-	-	-	28,323	141,336	-58,389	113,013	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,743	-	-	-	-	28,323	141,336	-58,389	113,013	28%
TOTAL GROSS FLOWS	30,702	6,357	82,840	49,556	-	91,268	150,293	50,886	403,513	99%
LOSSES & OMISSIONS	1,910	0	0	-1,954	-	-2,466	2,034	4,222	3,747	1%
TOTAL NET USAGE	32,612	6,357	82,840	47,601	-	88,801	152,327	-3,280	407,260	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	887	-	-	-	887	17%
HYDROELECTRIC	-	-	-	-	-	-	-	932	932	18%
NUCLEAR	-	-	-	-	-	-	-	122	122	2%
GEO.&SOLAR	-	-	-	-	-	-	-	3,197	3,197	62%
TOTAL SUPPLY	-	-	-	-	887	-	-	4,251	5,138	
NET IMPORTS OF REGION	32,612	6,357	82,840	47,601	-887	88,801	152,327	-7,531	402,122	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.93%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 33 NEW HAMPSHIRE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	45,305	10,733	-	8,145	-	8,373	-	13,267	89,823	31%
INDUSTRIAL	1,632	16,193	-	5,615	-	6,570	232	11,709	41,951	15%
TRANSPORTATION	2,854	-	64,606	506	-	434	-	-	68,400	24%
MISCELLANEOUS USES	562	392	-	8	-	747	-	163	1,872	1%
TOTAL FINAL DEMAND SECTORS	54,353	27,318	64,606	14,274	-	16,124	232	25,139	202,046	71%
TRANSFORMATION										
ELECTRICITY GEN.	2,955	11,206	-	-	-	-	30,850	-15,294	29,757	10%
PETROLEUM PRODUCTS	-465,644	-51,148	-520,472	-153,916	1,184,392	6,430	-	-	-357	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-462,649	-39,942	-520,472	-153,916	1,184,392	6,430	30,850	-15,294	29,399	10%
TOTAL GROSS FLOWS	57,348	38,524	64,606	14,274	1,184,392	22,554	31,082	25,139	231,803	81%
LOSSES & EMISSIONS	3,569	0	0	-563	49,134	-609	420	2,085	54,039	19%
TOTAL NET USAGE	-404,726	-12,623	-455,865	-140,205	1,233,526	21,944	31,502	11,930	285,484	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	4,421	4,421	9%
NUCLEAR	-	-	-	-	-	-	-	42,903	42,903	90%
GEO. &SOLAR	-	-	-	-	-	-	-	501	501	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	47,825	47,825	
NET IMPORTS OF REGION	-404,726	-12,623	-455,865	-140,205	1,233,526	21,944	31,502	-35,894	237,659	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =56.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 34 NEW JERSEY 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	311,654	74,381	-	63,495	-	171,307	133	151,676	772,646	32%
INDUSTRIAL	44,353	170,801	-	235,915	-	78,811	78,377	110,023	718,280	29%
TRANSPORTATION	61,656	33,375	489,188	39,596	-	5,881	3	23	629,722	26%
MISCELLANEOUS USES	3,330	5,041	-	67	-	6,452	14	2,317	17,221	1%
TOTAL FINAL DEMAND SECTORS	420,993	283,598	489,188	339,073	-	262,451	78,527	264,039	2,137,869	87%
TRANSFORMATION										
ELECTRICITY GEN.	41,199	62,626	-	-	-	532	228,867	-111,876	221,348	9%
PETROLEUM PRODUCTS	-459,242	-50,445	-513,317	-151,799	1,168,108	6,342	-	-	-352	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	0%
NET FUEL USED IN TRANSFORMATION	-418,043	12,181	-513,317	-49,969	1,168,108	-84,981	228,867	-111,876	230,970	9%
TOTAL GROSS FLOWS	462,192	346,224	489,188	440,903	1,168,108	269,325	307,394	264,039	2,369,192	97%
LOSSES & OMISSIONS	28,768	6	2	-17,391	48,459	-7,277	4,160	21,908	78,637	3%
TOTAL NET USAGE	31,718	295,785	-24,126	271,712	1,216,567	170,192	311,554	174,071	2,447,476	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	12,973	12,973	9%
NUCLEAR	-	-	-	-	-	-	-	134,325	134,325	90%
GEO.&SOLAR	-	-	-	-	-	-	-	2,252	2,252	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	149,550	149,550	
NET IMPORTS OF REGION	31,718	295,785	-24,126	271,712	1,216,567	170,192	311,554	24,521	2,297,926	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.43%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 35 NEW MEXICO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,238	998	-	17,257	-	57,994	3	31,676	116,166	15%
INDUSTRIAL	2,961	5,974	-	6,969	-	148,934	2,707	7,292	174,837	23%
TRANSPORTATION	29,341	-	123,520	18,936	-	4,581	-	-	176,378	23%
MISCELLANEOUS USES	3,528	2,968	-	63	-	1,421	-	709	8,689	1%
TOTAL FINAL DEMAND SECTORS	44,068	9,940	123,520	43,225	-	212,930	2,710	39,677	476,070	62%
TRANSFORMATION										
ELECTRICITY GEN.	3,331	-	-	-	-	20,890	237,641	-86,721	175,141	23%
PETROLEUM PRODUCTS	-45,518	-2,812	-75,076	-79,006	187,334	16,827	-	-	1,748	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-93,920	196,336	-	102,416	13%
NET FUEL USED IN TRANSFORMATION	-42,187	-2,812	-75,076	-79,006	187,334	-56,202	433,977	-86,721	279,305	36%
TOTAL GROSS FLOWS	47,399	9,940	123,520	43,225	187,334	250,647	436,687	39,677	755,375	99%
LOSSES & EMISSIONS	2,950	0	0	-1,704	7,771	-6,773	5,910	3,292	11,447	1%
TOTAL NET USAGE	4,830	7,127	48,444	-37,485	195,106	149,954	442,597	-43,751	766,823	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	327,648	725,700	533,847	-	1,587,195	100%
HYDROELECTRIC	-	-	-	-	-	-	-	380	380	0%
NUCLEAR	-	-	-	-	-	-	-	1,841	1,841	0%
GEO.&SOLAR	-	-	-	-	-	-	-	964	964	0%
TOTAL SUPPLY	-	-	-	-	327,648	725,700	533,847	3,185	1,590,380	
NET IMPORTS OF REGION	4,830	7,127	48,444	-37,485	-132,541	-575,745	-91,249	-46,936	-823,556	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.88%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

STATE 36 NEW YORK 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	667,256	300,054	-	136,564	-	388,404	461	332,743	1,825,482	40%
INDUSTRIAL	32,319	68,832	-	145,938	-	168,068	165,701	189,927	770,785	17%
TRANSPORTATION	59,544	40,807	925,002	205,382	-	24,659	6	7,876	1,263,276	27%
MISCELLANEOUS USES	7,263	10,994	-	153	-	15,036	32	6,478	39,956	1%
TOTAL FINAL DEMAND SECTORS	766,382	420,687	925,002	488,037	-	596,167	166,200	537,024	3,899,499	84%
TRANSFORMATION										
ELECTRICITY GEN.	75,342	292,975	-	-	-	267	561,619	-308,186	622,017	13%
PETROLEUM PRODUCTS	-192,884	-21,187	-215,596	-63,756	490,512	2,663	-	-	-147	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	0%
NET FUEL USED IN TRANSFORMATION	-117,542	271,787	-215,596	38,073	490,612	-88,924	561,619	-308,186	631,844	14%
TOTAL GROSS FLOWS	841,724	713,662	925,002	589,867	490,612	599,097	727,819	537,024	4,531,491	98%
LOSSES & EMISSIONS	52,391	14	4	-23,266	20,353	-16,188	9,851	44,559	87,718	2%
TOTAL NET USAGE	701,231	692,489	709,410	502,843	510,966	491,053	737,670	273,397	4,619,061	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,158	7,379	-	-	13,537	4%
HYDROELECTRIC	-	-	-	-	-	-	-	113,553	113,553	34%
NUCLEAR	-	-	-	-	-	-	-	200,195	200,195	60%
GEO.&SOLAR	-	-	-	-	-	-	-	4,580	4,580	1%
TOTAL SUPPLY	-	-	-	-	6,158	7,379	-	318,328	331,865	
NET IMPORTS OF REGION	701,231	692,489	709,410	502,843	504,808	483,674	737,670	-44,930	4,287,196	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.87%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

STATE 37 NORTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	107,888	9,821	-	60,104	-	31,749	773	232,898	443,233	19%
INDUSTRIAL	56,400	83,874	-	96,570	-	111,821	98,208	186,814	633,687	27%
TRANSPORTATION	60,856	1,044	483,912	17,061	-	2,397	-	-	565,770	24%
MISCELLANEOUS USES	4,112	2,158	-	198	-	3,581	8	2,685	12,742	1%
TOTAL FINAL DEMAND SECTORS	229,256	96,897	483,912	173,933	-	150,048	98,989	422,397	1,655,432	71%
TRANSFORMATION										
ELECTRICITY GEN.	54,358	11,133	-	-	-	-	881,079	-324,049	622,521	27%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	54,358	11,133	-	-	-	-	881,079	-324,049	622,521	27%
TOTAL GROSS FLOWS	283,614	108,030	483,912	173,933	-	150,048	980,068	422,397	2,277,953	98%
LOSSES & OMISSIONS	17,652	2	2	-5,860	-	-4,054	13,266	35,047	55,056	2%
TOTAL NET USAGE	301,266	108,032	483,914	167,072	-	145,993	993,334	133,395	2,333,009	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	27,783	27,783	20%
NUCLEAR	-	-	-	-	-	-	-	111,676	111,676	80%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	139,459	139,459	
NET IMPORTS OF REGION	301,266	108,032	483,914	167,072	-	145,993	993,334	-6,063	2,193,550	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 38 NORTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,782	1,556	-	12,961	-	19,196	32	23,484	69,011	14%
INDUSTRIAL	10,877	19,242	-	13,588	-	2,338	31,535	5,589	83,169	17%
TRANSPORTATION	16,918	-	62,497	5,610	-	916	-	-	85,941	18%
MISCELLANEOUS USES	1,271	401	-	53	-	435	-	375	2,535	1%
TOTAL FINAL DEMAND SECTORS	40,848	21,199	62,497	32,212	-	22,885	31,567	29,448	240,656	49%
TRANSFORMATION										
ELECTRICITY GEN.	1,011	-	-	-	-	261	124,024	-39,257	86,039	18%
PETROLEUM PRODUCTS	-29,778	-11,927	-61,255	-26,920	127,852	2,840	-	-	811	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-135,190	282,609	-	147,419	30%
NET FUEL USED IN TRANSFORMATION	-28,767	-11,927	-61,255	-26,920	127,852	-132,088	406,633	-39,257	234,269	48%
TOTAL GROSS FLOWS	41,859	21,199	62,497	32,212	127,852	25,986	438,200	29,448	474,925	97%
LOSSES & OMISSIONS	2,605	0	0	-1,270	5,304	-702	5,931	2,443	14,312	3%
TOTAL NET USAGE	14,685	9,272	1,241	4,020	133,156	-109,905	444,131	-7,365	489,237	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	125,071	32,943	887,521	-	1,045,535	99%
HYDROELECTRIC	-	-	-	-	-	-	-	7,620	7,620	1%
NUCLEAR	-	-	-	-	-	-	-	477	477	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,871	1,871	0%
TOTAL SUPPLY	-	-	-	-	125,071	32,943	887,521	9,968	1,055,503	
NET IMPORTS OF REGION	14,685	9,272	1,241	4,020	8,085	-142,848	-443,389	-17,333	-566,265	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

STATE 39 OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	116,813	8,373	-	119,178	-	598,836	2,385	227,130	1,072,765	22%
INDUSTRIAL	79,057	56,625	-	345,772	-	190,438	780,896	343,037	1,795,875	37%
TRANSPORTATION	133,861	1,573	765,369	25,434	-	9,413	1	120	935,771	19%
MISCELLANEOUS USES	11,441	6,073	-	263	-	5,460	9	2,575	25,821	1%
TOTAL FINAL DEMAND SECTORS	341,172	72,644	765,369	490,647	-	804,247	783,291	572,862	3,830,232	79%
TRANSFORMATION										
ELECTRICITY GEN.	58,502	5,630	-	-	-	6,334	1,320,119	-495,244	895,341	18%
PETROLEUM PRODUCTS	-299,409	-119,924	-615,885	-270,674	1,285,475	28,563	-	-	8,146	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-240,907	-114,294	-615,885	-270,674	1,285,475	34,397	1,320,119	-495,244	903,487	19%
TOTAL GROSS FLOWS	399,674	78,274	765,369	490,647	1,285,475	839,144	2,103,410	572,862	4,733,719	98%
LOSSES & OMISSIONS	24,876	1	3	-19,353	53,328	-22,575	28,471	47,532	112,185	2%
TOTAL NET USAGE	125,141	-41,649	149,487	200,619	1,338,803	816,469	2,131,881	125,150	4,845,905	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	105,620	62,391	1,581,962	-	1,750,473	93%
HYDROELECTRIC	-	-	-	-	-	-	-	1,469	1,469	0%
NUCLEAR	-	-	-	-	-	-	-	125,290	125,290	7%
GEO.&SOLAR	-	-	-	-	-	-	-	1,768	1,768	0%
TOTAL SUPPLY	-	-	-	-	105,620	62,391	1,581,962	128,527	1,879,000	
NET IMPORTS OF REGION	125,141	-41,649	149,487	200,619	1,233,183	753,578	549,919	-3,376	2,966,905	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.39%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 40 OKLAHOMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19,752	2,477	-	37,244	-	138,605	9	80,019	278,106	15%
INDUSTRIAL	16,293	58,488	-	170,774	-	684,311	9,404	46,067	985,337	54%
TRANSPORTATION	47,801	-	274,213	21,428	-	9,888	-	-	353,330	19%
MISCELLANEOUS USES	8,207	6,907	-	143	-	3,445	-	1,772	20,474	1%
TOTAL FINAL DEMAND SECTORS	92,053	67,872	274,213	229,589	-	836,249	9,413	127,858	1,637,247	90%
TRANSFORMATION										
ELECTRICITY GEN.	10,763	-	-	-	-	150,794	252,248	-135,963	277,842	15%
PETROLEUM PRODUCTS	-313,169	-125,436	-644,190	-283,114	1,344,553	29,876	-	-	8,520	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-142,128	-	-	-	-142,128	-7%
NET FUEL USED IN TRANSFORMATION	-302,406	-125,436	-644,190	-283,114	1,202,425	180,670	252,248	-135,963	144,234	8%
TOTAL GROSS FLOWS	102,816	67,872	274,213	229,589	1,344,553	1,016,919	261,661	127,858	1,923,609	106%
LOSSES & OMISSIONS	6,399	1	1	-9,055	55,779	-27,479	3,541	10,608	39,796	2%
TOTAL NET USAGE	-203,953	-57,562	-369,975	-62,580	1,258,204	989,440	265,202	2,503	1,821,278	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	759,987	1,154,593	103,063	-	2,017,643	97%
HYDROELECTRIC	-	-	-	-	-	-	-	10,123	10,123	0%
NUCLEAR	-	-	-	-	-	-	-	48,211	48,211	2%
GEO.&SOLAR	-	-	-	-	-	-	-	3,106	3,106	0%
TOTAL SUPPLY	-	-	-	-	759,987	1,154,593	103,063	61,440	2,079,083	
NET IMPORTS OF REGION	-203,953	-57,562	-369,975	-62,580	498,217	-165,152	162,139	-58,936	-257,804	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

STATE 41 OREGON 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	70,638	13,703	-	23,237	-	10,143	234	152,824	276,779	30%
INDUSTRIAL	50,371	24,133	-	67,539	-	-	28,941	116,322	287,306	32%
TRANSPORTATION	44,715	2,703	219,679	15,190	-	337	3	-	282,627	31%
MISCELLANEOUS USES	1,817	675	-	10	-	-	1	798	3,301	0%
TOTAL FINAL DEMAND SECTORS	167,541	41,214	219,679	111,976	-	10,480	29,179	269,944	850,013	94%
TRANSFORMATION										
ELECTRICITY GEN.	2,328	-	-	-	-	-	22,622	-8,037	16,913	2%
PETROLEUM PRODUCTS	-46,782	-45,823	-109,428	-75,120	277,169	981	-	-	997	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-44,454	-45,823	-109,428	-75,120	277,169	981	22,622	-8,037	17,910	2%
TOTAL GROSS FLOWS	169,369	41,214	219,679	111,976	277,169	11,461	51,801	269,944	867,923	96%
LOSSES & EMISSIONS	10,573	0	1	-4,416	11,498	-309	701	22,398	40,446	4%
TOTAL NET USAGE	133,560	-4,608	110,252	32,439	288,667	11,151	52,502	284,305	908,369	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	176,148	176,148	82%
NUCLEAR	-	-	-	-	-	-	-	32,248	32,248	15%
GEO.&SOLAR	-	-	-	-	-	-	-	6,894	6,894	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	215,290	215,290	
NET IMPORTS OF REGION	133,660	-4,608	110,252	32,439	288,667	11,151	52,502	69,015	693,079	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.79%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 42 PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	275,338	41,602	-	74,300	-	344,497	1,699	228,270	965,706	20%
INDUSTRIAL	112,764	158,358	-	279,261	-	326,434	982,082	257,632	2,116,531	43%
TRANSPORTATION	110,130	25,005	745,086	55,178	-	13,557	77	2,856	951,889	19%
MISCELLANEOUS USES	5,762	2,881	-	98	-	7,413	28	3,270	19,452	0%
TOTAL FINAL DEMAND SECTORS	503,994	227,846	745,086	408,837	-	691,901	983,886	492,028	4,053,578	83%
TRANSFORMATION										
ELECTRICITY GEN.	21,375	45,493	-	-	-	209	1,021,363	-357,485	730,955	15%
PETROLEUM PRODUCTS	-440,627	-48,400	-492,510	-145,646	1,120,761	6,084	-	-	-337	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-419,252	-2,907	-492,510	-145,646	1,120,761	6,293	1,021,363	-357,485	730,617	15%
TOTAL GROSS FLOWS	525,369	273,339	745,086	408,837	1,120,761	698,194	2,005,249	492,028	4,784,533	98%
LOSSES & EMISSIONS	32,700	5	3	-16,126	46,495	-18,866	27,142	40,825	112,179	2%
TOTAL NET USAGE	117,441	224,944	252,579	247,064	1,167,256	679,328	2,032,391	175,368	4,896,374	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	35,741	69,630	2,933,168	-	3,038,539	94%
HYDROELECTRIC	-	-	-	-	-	-	-	4,299	4,299	0%
NUCLEAR	-	-	-	-	-	-	-	173,997	173,997	5%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	35,741	69,630	2,933,168	178,296	3,216,835	
NET IMPORTS OF REGION	117,441	224,944	252,579	247,064	1,131,515	609,698	-900,776	-2,927	1,679,539	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.16%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 44 RHODE ISLAND 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	58,725	15,983	-	9,324	-	21,019	5	14,736	119,792	47%
INDUSTRIAL	810	6,025	-	15,991	-	8,563	658	7,064	39,111	15%
TRANSPORTATION	4,863	297	66,651	929	-	613	-	-	73,353	29%
MISCELLANEOUS USES	2,405	1,678	-	22	-	1,620	-	414	6,139	2%
TOTAL FINAL DEMAND SECTORS	66,803	23,983	66,651	26,266	-	31,815	663	22,214	238,395	93%
TRANSFORMATION										
ELECTRICITY GEN.	2,296	2,426	-	-	-	-	12,716	-6,060	11,378	4%
PETROLEUM PRODUCTS	-23,282	-2,557	-26,024	-7,695	59,219	321	-	-	-18	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-20,986	-131	-26,024	-7,695	59,219	321	12,716	-6,060	11,359	4%
TOTAL GROSS FLOWS	69,099	26,409	66,651	26,266	59,219	32,136	13,379	22,214	249,773	97%
LOSSES & EMISSIONS	4,300	0	0	-1,036	2,456	-368	181	1,843	6,878	3%
TOTAL NET USAGE	50,117	23,852	40,627	17,534	61,676	31,268	13,560	17,997	256,633	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	448	448	2%
NUCLEAR	-	-	-	-	-	-	-	21,452	21,452	96%
GEO.&SOLAR	-	-	-	-	-	-	-	443	443	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	22,343	22,343	
NET IMPORTS OF REGION	50,117	23,852	40,627	17,534	61,676	31,268	13,560	-4,345	234,290	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.25%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 45 SOUTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	32,835	1,289	-	30,093	-	22,413	454	116,667	203,751	15%
INDUSTRIAL	24,759	45,760	-	83,624	-	113,954	79,310	149,632	497,039	37%
TRANSPORTATION	30,369	16,920	257,457	7,570	-	1,124	-	-	313,440	23%
MISCELLANEOUS USES	2,035	1,069	-	119	-	2,412	4	1,615	7,254	1%
TOTAL FINAL DEMAND SECTORS	89,998	65,038	257,457	121,406	-	139,903	79,768	267,914	1,021,484	76%
TRANSFORMATION										
ELECTRICITY GEN.	39,335	17,674	-	-	-	-	393,756	-154,941	295,824	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	39,335	17,674	-	-	-	-	393,756	-154,941	295,824	22%
TOTAL GROSS FLOWS	129,333	82,712	257,457	121,406	-	139,903	473,524	267,914	1,317,308	98%
LOSSES & EMISSIONS	8,050	1	1	-4,788	-	-3,780	6,409	22,229	28,123	2%
TOTAL NET USAGE	137,383	82,713	257,458	116,617	-	136,122	479,933	135,202	1,345,431	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	15,761	15,761	10%
NUCLEAR	-	-	-	-	-	-	-	140,961	140,961	90%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	156,722	156,722	
NET IMPORTS OF REGION	137,383	82,713	257,458	116,617	-	136,122	479,933	-21,519	1,188,709	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.63%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 46 SOUTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,243	101	-	13,017	-	21,595	10	34,762	76,728	39%
INDUSTRIAL	9,993	1,954	-	5,013	-	662	2,467	4,090	24,189	12%
TRANSPORTATION	6,735	-	64,110	2,619	-	737	-	-	74,201	37%
MISCELLANEOUS USES	984	310	-	41	-	322	-	296	1,953	1%
TOTAL FINAL DEMAND SECTORS	24,955	2,375	64,110	20,690	-	23,316	2,477	39,148	177,071	89%
TRANSFORMATION										
ELECTRICITY GEN.	2,257	-	-	-	-	324	24,148	-8,436	18,293	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,257	-	-	-	-	324	24,148	-8,436	18,293	9%
TOTAL GROSS FLOWS	27,212	2,375	64,110	20,690	-	23,640	26,625	39,148	195,364	98%
LOSSES & EMISSIONS	1,693	0	0	-816	-	-638	360	3,248	3,847	2%
TOTAL NET USAGE	28,905	2,375	64,110	19,873	-	23,001	26,985	33,960	199,211	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	579	-	-	-	579	2%
HYDROELECTRIC	-	-	-	-	-	-	-	24,503	24,503	87%
NUCLEAR	-	-	-	-	-	-	-	635	635	2%
GEO.&SOLAR	-	-	-	-	-	-	-	2,487	2,487	9%
TOTAL SUPPLY	-	-	-	-	579	-	-	27,625	28,204	
NET IMPORTS OF REGION	28,905	2,375	64,110	19,873	-579	23,001	26,985	6,335	171,007	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.44%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 47 TENNESSEE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	16,909	1,577	-	39,869	-	51,674	908	226,387	337,324	17%
INDUSTRIAL	8,666	12,959	-	108,560	-	148,163	113,457	228,555	620,360	30%
TRANSPORTATION	80,682	-	364,139	34,403	-	1,675	1	-	480,900	24%
MISCELLANEOUS USES	2,509	1,318	-	111	-	2,625	3	1,263	7,829	0%
TOTAL FINAL DEMAND SECTORS	108,766	15,854	364,139	182,943	-	204,137	114,369	456,205	1,446,413	71%
TRANSFORMATION										
ELECTRICITY GEN.	53,490	-	-	-	-	-	763,781	-282,296	539,975	26%
PETROLEUM PRODUCTS	-22,287	-8,926	-45,844	-20,148	95,685	2,126	-	-	605	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	36,203	-8,926	-45,844	-20,148	95,685	2,126	763,781	-282,296	540,580	27%
TOTAL GROSS FLOWS	167,256	15,854	364,139	182,943	95,685	206,263	878,150	456,205	1,986,993	97%
LOSSES & EMISSIONS	10,410	0	1	-7,216	3,969	-5,573	11,886	37,853	51,332	3%
TOTAL NET USAGE	155,379	6,927	318,296	155,578	99,654	200,689	890,036	211,762	2,038,325	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	839	-	132,076	-	132,915	31%
HYDROELECTRIC	-	-	-	-	-	-	-	30,672	30,672	7%
NUCLEAR	-	-	-	-	-	-	-	263,530	263,530	62%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	839	-	132,076	294,202	427,117	
NET IMPORTS OF REGION	155,379	6,927	318,296	155,578	98,815	200,689	757,960	-82,439	1,611,208	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 48 TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	86,568	18,958	-	178,481	-	472,466	-	433,367	1,187,840	9%
INDUSTRIAL	83,582	297,133	-	2,772,578	-	4,311,399	102,670	407,684	7,975,046	62%
TRANSPORTATION	261,764	148,509	1,283,065	207,614	-	53,496	2	-	1,954,550	15%
MISCELLANEOUS USES	29,346	24,596	-	540	-	11,382	-	6,118	72,082	1%
TOTAL FINAL DEMAND SECTORS	459,260	489,396	1,283,065	3,159,213	-	4,848,743	102,672	847,169	11,189,518	87%
TRANSFORMATION										
ELECTRICITY GEN.	71,093	-	-	-	-	860,070	1,227,261	-710,970	1,447,454	11%
PETROLEUM PRODUCTS	-2,133,652	-131,836	-3,519,163	-3,703,405	8,781,207	788,773	-	-	81,923	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-2,062,559	-131,836	-3,519,163	-3,703,405	8,781,207	1,648,843	1,227,261	-710,970	1,529,377	12%
TOTAL GROSS FLOWS	530,353	489,396	1,283,065	3,159,213	8,781,207	6,497,586	1,329,933	847,169	12,718,895	99%
LOSSES & EMISSIONS	33,010	9	6	-124,613	364,290	-175,578	18,001	70,292	185,420	1%
TOTAL NET USAGE	-1,570,289	357,569	-2,236,092	-668,805	9,145,498	6,322,007	1,347,934	206,491	12,904,316	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,221,039	3,362,557	1,066,000	-	9,649,596	99%
HYDROELECTRIC	-	-	-	-	-	-	-	7,361	7,361	0%
NUCLEAR	-	-	-	-	-	-	-	113,200	113,200	1%
GEO.&SOLAR	-	-	-	-	-	-	-	20,592	20,592	0%
TOTAL SUPPLY	-	-	-	-	5,221,039	3,362,557	1,066,000	141,153	9,790,749	
NET IMPORTS OF REGION	-1,570,289	357,569	-2,236,092	-668,805	3,924,459	2,959,450	281,934	65,338	3,113,567	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.06%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.85%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 49 UTAH 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,842	4,008	-	29,116	-	93,973	56	44,725	189,720	28%
INDUSTRIAL	32,989	34,062	-	68,462	-	14,009	132,338	13,381	295,241	44%
TRANSPORTATION	23,647	63	132,613	10,008	-	775	2	-	167,108	25%
MISCELLANEOUS USES	6,118	1,934	-	218	-	1,602	1	1,643	11,516	2%
TOTAL FINAL DEMAND SECTORS	80,596	40,067	132,613	107,804	-	110,359	132,397	59,749	663,585	98%
TRANSFORMATION										
ELECTRICITY GEN.	1,973	-	-	-	-	495	127,109	-40,621	88,956	13%
PETROLEUM PRODUCTS	-101,967	-32,588	-170,993	-48,503	344,914	14,525	-	-	5,388	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-102,128	-	-	-	-102,128	-14%
NET FUEL USED IN TRANSFORMATION	-99,994	-32,588	-170,993	-48,503	242,786	15,020	127,109	-40,621	-7,783	0%
TOTAL GROSS FLOWS	82,569	40,067	132,613	107,804	344,914	125,379	259,506	59,749	757,929	112%
LOSSES & OMISSIONS	5,139	0	0	-4,252	14,308	-3,388	3,512	4,957	20,279	3%
TOTAL NET USAGE	-14,258	7,479	-38,379	55,048	257,094	121,991	263,018	24,085	676,081	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	120,101	58,582	614,500	-	793,183	99%
HYDROELECTRIC	-	-	-	-	-	-	-	6,499	6,499	1%
NUCLEAR	-	-	-	-	-	-	-	969	969	0%
GEO.&SOLAR	-	-	-	-	-	-	-	3,797	3,797	0%
TOTAL SUPPLY	-	-	-	-	120,101	58,582	614,500	11,265	804,448	
NET IMPORTS OF REGION	-14,258	7,479	-38,379	55,048	136,993	63,409	-351,481	12,820	-128,366	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

STATE 50 VERMONT 1990

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	23,497	258	-	5,278	-	2,391	2	10,334	41,760	34%
INDUSTRIAL	702	7,336	-	1,824	-	7,275	32	6,167	23,336	19%
TRANSPORTATION	3,335	-	41,333	923	-	365	-	-	46,006	37%
MISCELLANEOUS USES	331	230	-	6	-	653	-	147	1,367	1%
TOTAL FINAL DEMAND SECTORS	27,865	7,824	41,333	8,031	-	10,684	34	16,648	112,469	91%
TRANSFORMATION										
ELECTRICITY GEN.	2,228	-	-	-	-	-	9,698	-4,230	7,696	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,228	-	-	-	-	-	9,698	-4,230	7,696	6%
TOTAL GROSS FLOWS	30,093	7,824	41,333	8,031	-	10,684	9,732	16,648	120,165	98%
LOSSES & EMISSIONS	1,873	0	0	-316	-	-288	131	1,381	2,781	2%
TOTAL NET USAGE	31,966	7,824	41,333	7,714	-	10,395	9,863	13,799	122,946	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,024	2,024	16%
NUCLEAR	-	-	-	-	-	-	-	9,961	9,961	81%
GEO.&SOLAR	-	-	-	-	-	-	-	332	332	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	12,317	12,317	
NET IMPORTS OF REGION	31,966	7,824	41,333	7,714	-	10.395	9,863	1,482	110,629	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.53%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 51 VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	72,199	6,053	-	30,782	-	74,210	1,639	132,659	317,542	19%
INDUSTRIAL	51,873	85,478	-	87,873	-	71,920	125,150	92,832	515,126	31%
TRANSPORTATION	65,614	31,815	427,793	93,096	-	9,904	36	-	628,258	38%
MISCELLANEOUS USES	6,502	3,250	-	134	-	9,023	34	7,722	26,665	2%
TOTAL FINAL DEMAND SECTORS	196,188	126,596	427,793	211,885	-	165,057	126,859	233,213	1,487,591	90%
TRANSFORMATION										
ELECTRICITY GEN.	3,842	31,712	-	-	-	-	152,648	-61,191	127,011	8%
PETROLEUM PRODUCTS	-132,709	-14,577	-148,335	-43,866	337,552	1,832	-	-	-102	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	1%
NET FUEL USED IN TRANSFORMATION	-128,867	17,135	-148,335	81,379	337,552	-111,142	152,648	-61,191	139,178	8%
TOTAL GROSS FLOWS	200,030	158,308	427,793	337,130	337,552	166,889	279,507	233,213	1,626,872	98%
LOSSES & EMISSIONS	12,450	3	2	-13,297	18,003	-4,509	3,783	19,350	31,785	2%
TOTAL NET USAGE	79,771	143,734	279,460	279,966	351,555	49,404	283,290	191,372	1,658,555	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	166	3,189	1,230,700	-	1,234,055	92%
HYDROELECTRIC	-	-	-	-	-	-	-	10,884	10,884	1%
NUCLEAR	-	-	-	-	-	-	-	94,475	94,475	7%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	166	3,189	1,230,700	105,359	1,339,414	
NET IMPORTS OF REGION	79,771	143,734	279,460	279,966	351,389	46,215	-947,409	86,013	319,141	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.49%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	86,717	13,201	-	41,351	-	14,181	115	224,477	380,042	28%
INDUSTRIAL	69,274	69,617	-	140,031	-	-	41,307	139,859	460,088	34%
TRANSPORTATION	36,999	13,300	269,962	65,534	-	874	4	-	386,673	29%
MISCELLANEOUS USES	3,918	1,453	-	20	-	-	4	1,804	7,199	1%
TOTAL FINAL DEMAND SECTORS	196,908	97,571	269,962	246,936	-	15,055	41,430	366,140	1,234,002	92%
TRANSFORMATION										
ELECTRICITY GEN.	2,460	-	-	-	-	-	55,878	-18,696	39,642	3%
PETROLEUM PRODUCTS	-120,495	-118,027	-281,853	-193,485	713,903	2,527	-	-	2,570	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-118,035	-118,027	-281,853	-193,485	713,903	2,527	55,878	-18,696	42,212	3%
TOTAL GROSS FLOWS	199,368	97,571	269,962	246,936	713,903	17,582	97,308	366,140	1,276,214	95%
LOSSES & OMISSIONS	12,409	1	1	-9,740	29,616	-475	1,317	30,380	63,510	5%
TOTAL NET USAGE	91,282	-20,454	-11,889	43,710	743,519	17,106	98,625	377,824	1,339,724	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	135,660	-	135,660	20%
HYDROELECTRIC	-	-	-	-	-	-	-	403,345	403,345	61%
NUCLEAR	-	-	-	-	-	-	-	116,793	116,793	18%
GEO.&SOLAR	-	-	-	-	-	-	-	9,351	9,351	1%
TOTAL SUPPLY	-	-	-	-	-	-	135,650	529,489	665,149	
NET IMPORTS OF REGION	91,282	-20,454	-11,889	43,710	743,519	17,106	-37,034	-151,664	674,575	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 54 WEST VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,238	1,832	-	8,655	-	67,704	927	36,409	124,765	10%
INDUSTRIAL	11,125	7,227	-	31,592	-	75,882	194,182	112,930	432,938	35%
TRANSPORTATION	34,852	-	117,540	1,655	-	2,377	23	-	156,447	13%
MISCELLANEOUS USES	868	432	-	15	-	1,159	3	516	2,993	0%
TOTAL FINAL DEMAND SECTORS	56,083	9,491	117,540	41,917	-	147,122	195,135	149,855	717,143	59%
TRANSFORMATION										
ELECTRICITY GEN.	95	669	-	-	-	-	721,328	-238,608	483,484	39%
PETROLEUM PRODUCTS	-11,320	-1,243	-12,653	-3,741	28,795	156	-	-	-8	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-11,225	-574	-12,653	-3,741	28,795	156	721,328	-238,608	483,475	39%
TOTAL GROSS FLOWS	56,178	10,160	117,540	41,917	28,795	147,278	916,463	149,855	1,200,627	98%
LOSSES & OMISSIONS	3,496	0	0	-1,653	1,194	-3,979	12,405	12,434	23,898	2%
TOTAL NET USAGE	48,353	8,916	104,886	36,521	29,990	143,298	928,868	-76,318	1,224,516	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	21,725	112,302	3,863,886	-	3,997,913	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	21,725	112,302	3,863,886	-	3,997,913	
NET IMPORTS OF REGION	48,353	8,916	104,886	36,521	8,265	30,996	-2,935,017	-76,318	-2,773,396	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.96%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 55 WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
BES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	158,436	6,631	-	67,651	-	174,593	1,552	108,602	517,615	29%
INDUSTRIAL	34,759	20,838	-	77,297	-	49,954	221,512	117,224	521,744	29%
TRANSPORTATION	41,959	320	368,222	11,295	-	6,816	-	-	428,612	24%
MISCELLANEOUS USES	5,808	3,082	-	126	-	2,558	3	1,223	12,800	1%
TOTAL FINAL DEMAND SECTORS	240,962	30,931	368,222	155,369	-	233,921	223,267	227,049	1,480,771	83%
TRANSFORMATION										
ELECTRICITY GEN.	28,949	352	-	-	-	3,325	385,609	-148,987	269,248	15%
PETROLEUM PRODUCTS	-23,048	-9,231	-47,410	-20,836	98,954	2,198	-	-	627	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,901	-8,879	-47,410	-20,836	98,954	5,523	385,609	-148,987	269,875	15%
TOTAL GROSS FLOWS	269,911	31,333	368,222	156,369	98,954	239,444	608,876	227,049	1,750,646	98%
LOSSES & EMISSIONS	16,800	0	1	-6,167	4,105	-6,470	8,241	18,839	35,350	2%
TOTAL NET USAGE	263,663	22,101	320,813	129,365	103,059	232,974	617,117	96,901	1,785,997	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	4,507	4,507	5%
NUCLEAR	-	-	-	-	-	-	-	83,304	83,304	94%
GEO.&SOLAR	-	-	-	-	-	-	-	700	700	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	88,511	88,511	
NET IMPORTS OF REGION	263,663	22,101	320,813	129,365	103,059	232,974	617,117	8,390	1,697,486	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =54.38%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

STATE 56 WYOMING 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,721	2,482	-	7,915	-	28,177	10	19,833	68,138	13%
INDUSTRIAL	44,039	12,163	-	16,861	-	18,346	55,589	7,942	154,940	29%
TRANSPORTATION	21,491	700	48,728	1,623	-	436	1	-	73,019	14%
MISCELLANEOUS USES	1,029	324	-	35	-	310	-	249	1,947	0%
TOTAL FINAL DEMAND SECTORS	76,280	15,709	48,728	26,434	-	47,269	55,600	28,024	298,044	56%
TRANSFORMATION										
ELECTRICITY GEN.	925	-	-	-	-	232	292,571	-91,995	201,733	38%
PETROLEUM PRODUCTS	-126,344	-40,379	-211,873	-60,098	427,374	17,998	-	-	6,677	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-125,419	-40,379	-211,873	-60,098	427,374	18,230	292,571	-91,995	208,410	39%
TOTAL GROSS FLOWS	77,205	15,709	48,728	26,434	427,374	65,499	348,171	28,024	506,454	95%
LOSSES & EMISSIONS	4,805	0	0	-1,042	17,729	-1,769	4,712	2,325	26,761	5%
TOTAL NET USAGE	-44,334	-24,670	-163,145	-34,706	445,104	63,729	352,883	-61,645	533,215	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	661,975	302,684	2,457,728	-	3,422,387	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,997	3,997	0%
NUCLEAR	-	-	-	-	-	-	-	455	455	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,779	1,779	0%
TOTAL SUPPLY	-	-	-	-	661,975	302,684	2,457,728	6,231	3,428,618	
NET IMPORTS OF REGION	-44,334	-24,670	-163,145	-34,706	-216,870	-238,954	-2,104,844	-67,876	-2,895,402	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

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REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	23,923	6,174	-	3,581	-	585	2	5,298	39,563	23%
INDUSTRIAL	3,291	42,357	-	1,181	-	2,341	137	12,623	61,930	36%
TRANSPORTATION	2,725	7,602	28,442	4,064	-	346	3	-	43,182	25%
MISCELLANEOUS USES	504	352	-	4	-	225	-	73	1,158	1%
TOTAL FINAL DEMAND SECTORS	30,443	56,485	28,442	8,830	-	3,497	142	17,994	145,833	84%
TRANSFORMATION										
ELECTRICITY GEN.	1,938	1,474	-	-	-	-	10,301	-4,764	8,889	5%
PETROLEUM PRODUCTS	-145,514	-15,984	-162,648	-48,099	370,123	2,009	-	-	-112	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-143,576	-14,510	-162,648	-48,099	370,123	2,009	10,301	-4,764	8,776	5%
TOTAL GROSS FLOWS	32,381	57,859	28,442	8,830	370,123	5,506	10,443	17,994	154,722	89%
LOSSES & EMISSIONS	2,015	1	0	-348	15,354	-148	141	1,493	18,508	11%
TOTAL NET USAGE	-111,117	41,916	-134,205	-39,617	385,477	5,357	10,584	14,723	173,118	
SUPPLY OF ENERGY										
FOSSIL FUEL *	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	625	625	64%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	359	359	36%
TOTAL SUPPLY	-	-	-	-	-	-	-	984	984	
NET IMPORTS OF REGION	-111,117	41,916	-134,205	-39,617	385,477	5,357	10,584	13,739	172,134	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.11%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 2 PORTLAND-SOUTH PORTLAND MAINE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	57,435	15,624	-	8,342	-	2,050	4	13,079	96,534	30%
INDUSTRIAL	3,788	4[illegible],203	-	4,825	-	2,665	373	15,310	68,170	21%
TRANSPORTATION	6,512	5,673	66,177	3,050	-	272	2	-	81,486	26%
MISCELLANEOUS USES	917	640	-	12	-	946	-	232	2,747	1%
TOTAL FINAL DEMAND SECTORS	68,652	63,145	66,177	16,229	-	5,933	379	28,621	248,937	78%
TRANSFORMATION										
ELECTRICITY GEN.	3,207	16,809	-	-	-	-	16,384	-12,381	24,019	8%
PETROLEUM PRODUCTS	-378,336	-41,558	-422,884	-125,057	962,319	5,224	-	-	-291	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-375,129	-24,749	-422,884	-125,057	962,319	5,224	16,384	-12,381	23,727	7%
TOTAL GROSS FLOWS	71,659	79,955	66,177	16,229	962,319	11,157	16,763	28,621	272,956	86%
LOSSES & OMISSIONS	4,460	1	0	-640	39,922	-301	226	2,374	46,044	14%
TOTAL NET USAGE	-302,216	38,398	-356,706	-109,468	1,002,241	10,856	16,989	18,614	318,709	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,064	3,064	16%
NUCLEAR	-	-	-	-	-	-	-	15,967	15,967	81%
GEO.&SOLAR	-	-	-	-	-	-	-	571	571	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	19,602	19,602	
NET IMPORTS OF REGION	-302,216	38,398	-356,706	-109,468	1,002,241	10,856	16,989	-987	299,107	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 3 BURLINGTON VERMONT 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	28,638	2,172	-	5,893	-	3,464	2	11,158	51,327	36%
INDUSTRIAL	902	9,185	-	1,846	-	6,926	84	8,269	27,212	19%
TRANSPORTATION	3,447	-	46,299	914	-	392	-	-	51,052	36%
MISCELLANEOUS USES	378	264	-	7	-	742	-	167	1,558	1%
TOTAL FINAL DEMAND SECTORS	33,365	11,621	46,299	8,660	-	11,524	86	19,594	131,149	91%
TRANSFORMATION										
ELECTRICITY GEN.	2,602	-	-	-	-	-	11,384	-4,959	9,027	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,602	-	-	-	-	-	11,384	-4,959	9,027	6%
TOTAL GROSS FLOWS	35,967	11,621	46,299	8,660	-	11,524	11,470	19,594	140,176	98%
LOSSES & EMISSIONS	2,238	0	0	-341	-	-311	155	1,625	3,367	2%
TOTAL NET USAGE	38,205	11,621	46,299	8,318	-	11,212	11,625	16,260	143,543	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	4,623	4,623	92%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	391	391	8%
TOTAL SUPPLY	-	-	-	-	-	-	-	5,014	5,014	
NET IMPORTS OF REGION	38,205	11,621	46,299	8,318	-	11,212	11,625	11,246	138,529	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.54%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 4 BOSTON MASSACHUSETT 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID.SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	480,490	143,351	-	67,731	-	154,601	8	108,078	958,759	49%
INDUSTRIAL	7,504	54,096	-	55,105	-	44,628	1,349	46,977	219,659	11%
TRANSPORTATION	29,575	3,314	436,005	52,080	-	6,623	2	77	527,676	27%
MISCELLANEOUS USES	7,292	5,089	-	93	-	8,068	-	1,783	22,325	1%
TOTAL FINAL DEMAND SECTORS	526,861	206,350	436,005	185,009	-	213,920	1,359	156,915	1,728,419	88%
TRANSFORMATION										
ELECTRICITY GEN.	20,473	104,729	-	-	-	-	111,774	-80,596	156,380	8%
PETROLEUM PRODUCTS	-314,310	-34,524	-351,319	-103,892	799,464	4,340	-	-	-241	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	59,830	-	-53,970	-	-	5,860	0%
NET FUEL USED IN TRANSFORMATION	-293,837	70,204	-351,319	-44,062	799,464	-49,629	111,774	-80,596	161,998	8%
TOTAL GROSS FLOWS	549,334	311,079	436,005	244,839	799,464	218,260	113,133	156,915	1,890,659	97%
LOSSES & OMISSIONS	34,192	6	2	-9,657	33,166	-5,897	1,531	13,019	66,362	3%
TOTAL NET USAGE	269,216	276,560	84,688	131,288	832,630	158,392	114,664	89,338	1,956,779	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,395	3,395	3%
NUCLEAR	-	-	-	-	-	-	-	98,864	98,864	94%
GEO.&SOLAR	-	-	-	-	-	-	-	3,131	3,131	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	105,390	105,390	
NET IMPORTS OF REGION	269,216	276,560	84,688	131,288	832,630	158,392	114,564	-16,051	1,851,389	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.79%

BEA ECONOMIC AREA 5 HARTFORD CONNECTICUT 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	150,844	36,368	-	27,822	-	58,598	13	60,461	334,606	36%
INDUSTRIAL	7,483	76,238	-	43,672	-	25,715	922	32,176	186,206	20%
TRANSPORTATION	20,606	515	212,146	16,342	-	1,956	3	20	251,688	27%
MISCELLANEOUS USES	2,450	1,710	-	39	-	3,468	-	717	8,384	1%
TOTAL FINAL DEMAND SECTORS	181,383	115,431	212,146	87,875	-	89,737	938	93,374	780,884	85%
TRANSFORMATION										
ELECTRICITY GEN.	17,607	50,410	-	-	-	-	53,452	-42,118	79,351	9%
PETROLEUM PRODUCTS	-465,645	-51,148	-520,473	-153,915	1,184,393	6,430	-	-	-357	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-448,038	-738	-520,473	-153,915	1,184,393	6,430	53,452	-42,118	78,993	9%
TOTAL GROSS FLOWS	198,990	165,341	212,146	87,875	1,184,393	96,167	54,390	93,374	860,235	93%
LOSSES & OMISSIONS	12,385	3	1	-3,466	49,134	-2,598	736	7,747	63,943	7%
TOTAL NET USAGE	-254,269	114,696	-308,325	-69,506	1,233,527	93,568	55,126	59,003	923,821	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	6,888	6,888	8%
NUCLEAR	-	-	-	-	-	-	-	80,788	80,788	90%
GEO.&SOLAR	-	-	-	-	-	-	-	1,862	1,862	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	89,538	89,538	
NET IMPORTS OF REGION	-254,269	114,696	-308,325	-69,506	1,233,527	93,568	55,126	-30,534	834,283	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.33%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 6 ALBANY-SCHENECTADY-TROY NEW YORK 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	57,630	21,017	-	11,620	-	30,613	26	24,529	145,435	42%
INDUSTRIAL	3,083	9,755	-	14,148	-	11,659	10,905	17,762	67,312	19%
TRANSPORTATION	4,826	676	78,263	3,803	-	459	1	840	88,868	25%
MISCELLANEOUS USES	576	1,403	-	20	-	1,992	4	824	5,219	2%
TOTAL FINAL DEMAND SECTORS	56,515	32,851	78,263	29,591	-	44,723	10,936	43,955	306,834	89%
TRANSFORMATION										
ELECTRICITY GEN.	6,171	7,920	-	-	-	7	33,832	-16,172	31,758	9%
PETROLEUM PRODUCTS	-11,641	-1,278	-13,012	-3,847	29,609	160	-	-	-8	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-5,470	6,641	-13,012	-3,847	29,609	167	33,832	-16,172	31,749	9%
TOTAL GROSS FLOWS	72,686	40,771	78,263	29,591	29,609	44,890	44,758	43,955	338,592	98%
LOSSES & OMISSIONS	4,524	0	0	-1,167	1,228	-1,213	605	3,647	7,626	2%
TOTAL NET USAGE	55,569	35,493	65,251	24,575	30,838	43,677	45,373	31,430	346,209	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	11,723	11,723	34%
NUCLEAR	-	-	-	-	-	-	-	22,298	22,298	65%
GEO.&SOLAR	-	-	-	-	-	-	-	432	432	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	34,453	34,453	
NET IMPORTS OF REGION	55,569	35,493	65,251	24,575	30,838	43,677	45,373	-3,022	311,756	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.26%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 7 SYRACUSE NEW YORK 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	53,762	22,481	-	11,318	-	31,501	35	26,171	145,268	34%
INDUSTRIAL	3,116	5,232	-	9,615	-	16,580	29,354	21,564	85,461	20%
TRANSPORTATION	4,248	1,352	76,739	6,809	-	817	-	302	90,267	21%
MISCELLANEOUS USES	509	770	-	9	-	889	1	423	2,601	1%
TOTAL FINAL DEMAND SECTORS	61,635	29,835	76,739	27,751	-	49,787	29,390	48,460	323,597	76%
TRANSFORMATION										
ELECTRICITY GEN.	6,624	41,084	-	-	-	8	66,433	-37,564	76,585	18%
PETROLEUM PRODUCTS	-116,411	-12,787	-130,118	-38,479	296,098	1,607	-	-	-89	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	2%
NET FUEL USED IN TRANSFORMATION	-109,787	28,297	-130,118	63,351	296,098	-90,239	66,433	-37,564	86,470	20%
TOTAL GROSS FLOWS	68,259	70,919	76,739	129,581	296,098	51,402	95,823	48,460	410,157	96%
LOSSES & OMISSIONS	4,248	1	0	-5,111	12,283	-1,389	1,297	4,020	15,351	4%
TOTAL NET USAGE	-43,903	58,133	-53,378	85,990	308,381	-41,841	97,120	14,916	425,419	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	10,495	10,495	13%
NUCLEAR	-	-	-	-	-	-	-	68,026	68,026	86%
GEO.&SOLAR	-	-	-	-	-	-	-	413	413	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	78,934	78,934	
NET IMPORTS OF REGION	-43,903	58,133	-53,378	85,990	308,381	-41,841	97,120	-64,017	346,485	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.09%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 8 ROCHESTER NEW YORK 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	41,838	17,164	-	8,866	-	24,568	25	20,317	112,778	39%
INDUSTRIAL	4,678	7,178	-	4,432	-	18,403	14,382	19,450	68,523	24%
TRANSPORTATION	2,650	647	60,147	3,258	-	390	-	195	67,327	24%
MISCELLANEOUS USES	280	424	-	6	-	614	1	257	1,582	1%
TOTAL FINAL DEMAND SECTORS	49,486	25,413	60,147	16,562	-	43,975	14,408	40,219	250,210	87%
TRANSFORMATION										
ELECTRICITY GEN.	5,505	2,218	-	-	-	100	38,091	-15,455	30,459	11%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,505	2,218	-	-	-	100	38,091	-15,455	30,459	11%
TOTAL GROSS FLOWS	54,991	27,631	60,147	16,562	-	44,075	52,499	40,219	280,669	98%
LOSSES & EMISSIONS	3,422	0	0	-653	-	-1,191	710	3,337	5,627	2%
TOTAL NET USAGE	58,413	27,631	60,147	15,908	-	42,883	53,209	28,101	286,296	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-		
HYDROELECTRIC	-	-	-	-	-	-	-	2,843	2,843	24%
NUCLEAR	-	-	-	-	-	-	-	8,733	8,733	73%
GEO.&SOLAR	-	-	-	-	-	-	-	343	343	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	11,919	11,919	
NET IMPORTS OF REGION	58,413	27,631	60,147	15,908	-	42,883	53,209	16,182	274,377	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.34%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 9 BUFFALO NEW YORK 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	59,901	24,137	-	12,798	-	36,089	45	29,573	162,543	30%
INDUSTRIAL	5,192	10,618	-	18,319	-	41,043	49,632	32,432	157,236	29%
TRANSPORTATION	6,630	672	88,073	3,146	-	392	1	1,402	100,316	19%
MISCELLANEOUS USES	460	680	-	9	-	981	2	414	2,546	0%
TOTAL FINAL DEMAND SECTORS	72,183	36,107	88,073	34,272	-	78,505	49,680	63,821	422,641	79%
TRANSFORMATION										
ELECTRICITY GEN.	8,310	-	-	-	-	10	137,819	-48,541	97,598	18%
PETROLEUM PRODUCTS	-73,853	-8,112	-82,550	-24,412	187,852	1,019	-	-	-55	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-65,543	-8,112	-82,550	-24,412	187,852	1,029	137,819	-48,541	97,542	18%
TOTAL GROSS FLOWS	80,493	36,107	88,073	34,272	187,852	79,534	187,499	63,821	520,239	97%
LOSSES & OMISSIONS	5,010	0	0	-1,351	7,793	-2,149	2,537	5,295	17,136	3%
TOTAL NET USAGE	11,649	27,995	5,523	8,508	195,645	77,385	190,036	20,575	537,319	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17,501	8,224	-	-	25,725	26%
HYDROELECTRIC	-	-	-	-	-	-	-	71,719	71,719	73%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	519	519	1%
TOTAL SUPPLY	-	-	-	-	17,501	8,224	-	72,238	97,963	
NET IMPORTS OF REGION	11,649	27,995	5,523	8,508	178,144	69,161	190,036	-51,662	439,356	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.78%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 10 ERIE PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,033	1,587	-	3,038	-	13,916	67	9,087	38,728	19%
INDUSTRIAL	5,016	7,307	-	10,846	-	18,935	56,878	13,332	112,314	55%
TRANSPORTATION	4,708	459	30,479	1,018	-	249	4	154	37,081	18%
MISCELLANEOUS USES	231	116	-	4	-	302	1	136	790	0%
TOTAL FINAL DEMAND SECTORS	20,988	9,479	30,479	14,906	-	33,402	56,950	22,709	188,913	93%
TRANSFORMATION										
ELECTRICITY GEN.	435	-	-	-	-	-	10,963	-3,746	7,652	4%
PETROLEUM PRODUCTS	-39,242	-4,310	-43,863	-12,971	99,814	541	-	-	-29	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-38,807	-4,310	-43,863	-12,971	99,814	541	10,963	-3,746	7,622	4%
TOTAL GROSS FLOWS	21,423	9,479	30,479	14,906	99,814	33,943	67,913	22,709	196,565	97%
LOSSES & EMISSIONS	1,333	0	0	-587	4,140	-917	919	1,884	6,772	3%
TOTAL NET USAGE	-16,485	5,158	-13,383	1,347	103,955	33,026	68,832	20,847	203,308	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	9,499	10,301	16,170	-	35,970	98%
HYDROELECTRIC	-	-	-	-	-	-	-	830	830	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	9,499	10,301	16,170	830	36,800	
NET IMPORTS OF REGION	-16,485	5,158	-13,383	1,347	94,456	22,725	52,662	20,017	166,508	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.13%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 11 WILLIAMSPORT PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,559	1,620	-	2,832	-	13,184	64	8,741	37,000	22%
INDUSTRIAL	4,374	3,632	-	4,601	-	11,766	31,825	9,622	65,820	40%
TRANSPORTATION	3,854	1,203	28,389	2,675	-	658	1	35	36,815	22%
MISCELLANEOUS USES	191	96	-	3	-	249	1	111	651	0%
TOTAL FINAL DEMAND SECTORS	18,978	6,551	28,389	10,111	-	25,857	31,891	18,509	140,286	85%
TRANSFORMATION										
ELECTRICITY GEN.	538	403	-	-	-	-	32,279	-10,942	22,278	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	538	403	-	-	-	-	32,279	-10,942	22,278	13%
TOTAL GROSS FLOWS	19,516	6,954	28,389	10,111	-	25,857	64,170	18,509	162,564	98%
LOSSES & OMISSIONS	1,214	0	0	-398	-	-698	868	1,535	2,521	2%
TOTAL NET USAGE	20,730	6,954	28,389	9,712	-	25,158	65,038	9,102	165,085	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,708	25,522	393,530	-	424,760	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	5,708	25,522	393,530	-	424,760	
NET IMPORTS OF REGION	20,730	6,954	28,389	9,712	-5,708	-363	-328,491	9,102	-259,674	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.06%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 12 BINGHAMTON NEW YORK-PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	24,768	8,934	-	5,540	-	16,574	29	12,674	68,519	38%
INDUSTRIAL	2,411	3,329	-	5,280	-	9,165	15,645	12,243	48,073	26%
TRANSPORTATION	3,726	290	40,236	1,205	-	166	1	445	46,069	25%
MISCELLANEOUS USES	267	357	-	6	-	564	1	232	1,427	1%
TOTAL FINAL DEMAND SECTORS	31,172	12,910	40,236	12,031	-	26,469	15,676	25,594	164,088	90%
TRANSFORMATION										
ELECTRICITY GEN.	2,755	-	-	-	-	212	19,253	-7,480	14,740	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,755	-	-	-	-	212	19,253	-7,480	14,740	8%
TOTAL GROSS FLOWS	33,927	12,910	40,236	12,031	-	26,681	34,929	25,594	178,828	98%
LOSSES & EMISSIONS	2,111	0	0	-474	-	-720	472	2,123	3,513	2%
TOTAL NET USAGE	36,038	12,910	40,236	11,556	-	25,960	35,401	20,237	182,341	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	17,639	-	17,639	94%
HYDROELECTRIC	-	-	-	-	-	-	-	990	990	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	172	172	1%
TOTAL SUPPLY	-	-	-	-	-	-	17,639	1,162	18,801	
NET IMPORTS OF REGION	36,038	12,910	40,236	11,556	-	25,960	17,762	19,075	163,540	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.34%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 13 WILKES-BARRE-HAZLETON PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	15,374	1,957	-	4,420	-	19,687	97	12,352	53,887	31%
INDUSTRIAL	6,230	6,357	-	5,488	-	13,050	13,852	14,959	59,936	34%
TRANSPORTATION	6,795	662	44,451	1,480	-	362	-	15	53,765	31%
MISCELLANEOUS USES	425	213	-	7	-	555	2	250	1,452	1%
TOTAL FINAL DEMAND SECTORS	28,824	9,189	44,451	11,395	-	33,654	13,951	27,576	169,040	97%
TRANSFORMATION										
ELECTRICITY GEN.	633	-	-	-	-	-	2,547	-1,021	2,159	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	633	-	-	-	-	-	2,547	-1,021	2,159	1%
TOTAL GROSS FLOWS	29,457	9,189	44,451	11,395	-	33,654	16,498	27,576	171,199	98%
LOSSES & EMISSIONS	1,833	0	0	-449	-	-909	223	2,288	2,986	2%
TOTAL NET USAGE	31,290	9,189	44,451	10,945	-	32,744	16,721	28,843	174,185	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	66,530	-	66,530	64%
HYDROELECTRIC	-	-	-	-	-	-	-	308	308	0%
NUCLEAR	-	-	-	-	-	-	-	37,293	37,293	36%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	66,530	37,601	104,131	
NET IMPORTS OF REGION	31,290	9,189	44,451	10,945	-	32,744	-49,808	-8,757	70,054	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.89%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 14 NEW YORK NEW YORK 1990

REGIONAL ENERGY BALANCE STATEMENT
BIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	695,040	269,322	-	140,496	-	392,357	424	348,299	1,845,938	37%
INDUSTRIAL	5[illegible],104	781,770	-	237,357	-	150,566	115,910	181,868	978,575	20%
TRANSPORTATION	92,991	65,349	1,001,166	228,629	-	28,384	7	4,740	1,421,266	29%
MISCELLANEOUS USES	7,041	10,395	-	150	-	14,678	31	6,003	38,298	1%
TOTAL FINAL DEMAND SECTORS	846,176	526,836	1,001,166	666,632	-	585,985	116,372	540,910	4,284,077	87%
TRANSFORMATION										
ELECTRICITY GEN.	76,876	317,151	-	-	-	659	440,124	-277,120	557,690	11%
PETROLEUM PRODUCTS	-263,671	-28,963	-294,718	-87,155	670,663	3,641	-	-	-202	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-186,795	288,188	-294,718	-87,155	670,663	4,300	440,124	-277,120	557,487	11%
TOTAL GROSS FLOWS	923,052	843,987	1,001,166	666,632	670,663	590,285	556,496	540,910	4,841,767	98%
LOSSES & EMISSIONS	57,453	16	4	-36,294	27,822	-15,950	7,532	44,881	95,466	2%
TOTAL NET USAGE	716,834	815,040	706,452	553,182	698,485	574,334	564,028	308,671	4,937,030	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	27,492	27,492	21%
NUCLEAR	-	-	-	-	-	-	-	101,138	101,138	76%
GEO.&SOLAR	-	-	-	-	-	-	-	4,851	4,851	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	133,481	133,481	
NET IMPORTS OF REGION	716,834	815,040	706,452	553,182	698,485	574,334	564,028	175,190	4,803,549	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.80%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 15 PHILADELPHIA PENNSYLVANIA-NEW JERSEY 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	225,822	41,127	-	54,005	-	207,662	887	169,369	698,872	24%
INDUSTRIAL	69,383	175,077	-	256,859	-	163,010	338,725	177,089	1,180,143	41%
TRANSPORTATION	54,528	24,946	500,665	34,246	-	8,243	32	1,055	623,715	22%
MISCELLANEOUS USES	4,850	3,983	-	85	-	6,831	22	2,680	18,451	1%
TOTAL FINAL DEMAND SECTORS	354,583	245,133	500,665	345,195	-	385,746	339,666	350,193	2,521,181	87%
TRANSFORMATION										
ELECTRICITY GEN.	30,223	50,487	-	-	-	12	299,409	-124,475	255,656	9%
PETROLEUM PRODUCTS	-665,465	-73,097	-743,821	-219,964	1,692,646	9,189	-	-	-511	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	101,830	-	-91,855	-	-	9,975	0%
NET FUEL USED IN TRANSFORMATION	-635,242	-22,610	-743,821	-118,134	1,692,646	-82,653	299,409	-124,475	265,119	9%
TOTAL GROSS FLOWS	384,806	295,620	500,665	447,025	1,692,646	394,947	639,075	350,193	2,786,812	96%
LOSSES & OMISSIONS	23,951	5	2	-17,632	70,219	-10,672	8,650	29,056	103,582	4%
TOTAL NET USAGE	-256,707	222,528	-243,153	209,428	1,762,865	292,420	647,725	254,774	2,889,882	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	113,572	-	113,572	39%
HYDROELECTRIC	-	-	-	-	-	-	-	3,559	3,559	1%
NUCLEAR	-	-	-	-	-	-	-	171,795	171,795	59%
GEO.&SOLAR	-	-	-	-	-	-	-	618	618	0%
TOTAL SUPPLY	-	-	-	-	-	-	113,572	175,972	289,544	
NET IMPORTS OF REGION	-256,707	222,528	-243,153	209,428	1,762,865	292,420	534,153	78,802	2,600,338	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.25%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 16 HARRISBURG PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	43,361	6,170	-	11,982	-	54,719	273	35,653	152,158	22%
INDUSTRIAL	17,899	15,883	-	16,233	-	42,310	104,271	42,427	239,023	35%
TRANSPORTATION	23,775	1,896	120,290	4,131	-	1,008	15	556	151,671	22%
MISCELLANEOUS USES	736	367	-	13	-	937	4	408	2,465	0%
TOTAL FINAL DEMAND SECTORS	85,771	24,316	120,290	32,359	-	98,974	104,563	79,044	545,317	80%
TRANSFORMATION										
ELECTRICITY GEN.	2,325	137	-	-	-	-	184,927	-61,813	125,576	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,325	137	-	-	-	-	184,927	-61,813	125,576	18%
TOTAL GROSS FLOWS	88,096	24,453	120,290	32,359	-	98,974	289,490	79,044	670,893	98%
LOSSES & OMISSIONS	5,483	0	0	-1,276	-	-2,674	3,918	6,558	12,010	2%
TOTAL NET USAGE	93,579	24,453	120,290	31,082	-	96,299	293,408	23,789	682,903	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	2	43,587	-	43,589	38%
HYDROELECTRIC	-	-	-	-	-	-	-	2,972	2,972	3%
NUCLEAR	-	-	-	-	-	-	-	66,736	66,736	59%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	2	43,587	69,708	113,297	
NET IMPORTS OF REGION	93,579	24,453	120,290	31,082	-	96,297	249,821	-45,918	569,606	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.0 %
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 17 BALTIMORE MARYLAND 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	58,622	10,760	-	17,327	-	55,965	224	67,361	210,259	24%
INDUSTRIAL	34,329	39,967	-	33,925	-	30,153	97,673	50,768	286,815	33%
TRANSPORTATION	19,924	11,779	198,196	11,095	-	2,991	16	565	244,566	28%
MISCELLANEOUS USES	3,995	1,997	-	68	-	4,717	17	2,028	12,822	1%
TOTAL FINAL DEMAND SECTORS	116,870	64,503	198,196	62,415	-	93,826	97,930	120,722	754,462	87%
TRANSFORMATION										
ELECTRICITY GEN.	7,409	29,147	-	-	-	1,410	68,434	-33,906	72,494	8%
PETROLEUM PRODUCTS	-135,328	-14,865	-151,262	-44,732	344,214	1,868	-	-	-104	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	1%
NET FUEL USED IN TRANSFORMATION	-127,919	14,282	-151,262	80,513	344,214	-109,696	68,434	-33,906	84,659	10%
TOTAL GROSS FLOWS	124,279	93,650	198,196	187,660	344,214	97,104	166,364	120,722	839,226	97%
LOSSES & OMISSIONS	7,735	1	0	-7,402	14,279	-2,623	2,251	10,016	24,260	3%
TOTAL NET USAGE	-3,313	78,786	46,934	135,525	358,493	-18,494	168,615	96,832	863,382	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,584	3,584	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	3,584	3,584	
NET IMPORTS OF REGION	-3,313	78,786	46,934	135,525	358,493	-18,494	168,615	93,248	859,798	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.13%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 18 WASHINGTON-DC MARYLAND-VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	85,107	21,338	-	21,327	-	68,742	576	93,000	290,090	33%
INDUSTRIAL	8,621	15,739	-	11,182	-	7,536	7,363	16,068	66,509	7%
TRANSPORTATION	20,682	23,447	261,827	42,840	-	8,294	3	69	362,162	41%
MISCELLANEOUS USES	9,326	4,660	-	162	-	11,459	42	6,149	31,798	4%
TOTAL FINAL DEMAND SECTORS	123,736	73,184	261,827	75,511	-	96,031	7,984	115,286	750,559	85%
TRANSFORMATION										
ELECTRICITY GEN.	5,045	41,288	-	-	-	-	136,481	-59,105	123,709	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,045	41,288	-	-	-	-	136,481	-59,105	123,709	14%
TOTAL GROSS FLOWS	128,781	114,472	261,827	75,511	-	96,031	144,465	115,286	874,268	98%
LOSSES & OMISSIONS	3,015	2	1	-2,978	-	-2,594	1,955	9,565	13,966	2%
TOTAL NET USAGE	135,736	111,474	261,828	72,532	-	93,436	146,420	65,746	888,234	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	50,487	50,487	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	50,487	50,487	
NET IMPORTS OF REGION	135,736	111,474	261,828	72,532	-	93,436	146,420	15,259	837,747	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 19 STAUNTON VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,632	554	-	2,722	-	9,898	177	11,776	30,759	15%
INDUSTRIAL	4,251	8,526	-	6,691	-	10,089	14,692	15,160	59,409	28%
TRANSPORTATION	8,977	1,358	37,604	4,099	-	589	2	-	52,629	25%
MISCELLANEOUS USES	251	127	-	4	-	334	1	154	871	0%
TOTAL FINAL DEMAND SECTORS	19,111	10,565	37,604	13,516	-	20,910	14,872	27,090	143,668	69%
TRANSFORMATION										
ELECTRICITY GEN.	95	348	-	-	-	-	92,242	-30,616	62,069	30%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	95	348	-	-	-	-	92,242	-30,616	62,069	30%
TOTAL GROSS FLOWS	19,206	10,913	37,604	13,516	-	20,910	107,114	27,090	205,737	98%
LOSSES & EMISSIONS	1,195	0	0	-533	-	-565	1,449	2,247	3,795	2%
TOTAL NET USAGE	20,401	10,913	37,604	12,982	-	20,344	108,563	-1,278	209,532	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	55,855	-	55,855	88%
HYDROELECTRIC	-	-	-	-	-	-	-	7,721	7,721	12%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	55,855	7,721	63,576	
NET IMPORTS OF REGION	20,401	10,913	37,604	12,982	-	20,344	52,708	-8,999	145,956	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.97%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 20 ROANOKE VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,342	902	-	5,440	-	12,195	279	21,708	52,866	15%
INDUSTRIAL	14,458	23,910	-	27,648	-	24,763	54,878	30,247	175,904	50%
TRANSPORTATION	17,141	2,335	74,488	6,794	-	722	18	-	101,498	29%
MISCELLANEOUS USES	335	167	-	6	-	438	1	210	1,157	0%
TOTAL FINAL DEMAND SECTORS	44,276	27,314	74,488	39,888	-	38,118	55,176	52,165	331,425	94%
TRANSFORMATION										
ELECTRICITY GEN.	577	-	-	-	-	-	22,252	-7,588	15,351	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	577	-	-	-	-	-	22,252	-7,588	15,351	4%
TOTAL GROSS FLOWS	44,853	27,314	74,488	39,888	-	38,118	77,438	52,165	346,776	98%
LOSSES & OMISSIONS	2,798	0	0	-1,573	-	-1,030	1,048	4,328	5,572	2%
TOTAL NET USAGE	47,751	27,314	74,488	38,314	-	37,087	78,486	48,905	352,348	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,589	1,589	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	1,589	1,589	
NET IMPORTS OF REGION	47,751	27,314	74,488	38,314	-	37,087	78,486	47,316	350,759	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.92%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 21 RICHMOND VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	15,621	1,431	-	6,545	-	16,268	353	29,652	69,870	17%
INDUSTRIAL	16,187	22,289	-	25,542	-	24,520	36,734	24,847	150,119	37%
TRANSPORTATION	16,918	5,065	90,825	14,823	-	1,576	6	-	129,213	32%
MISCELLANEOUS USES	1,016	508	-	19	-	1,372	5	901	3,821	1%
TOTAL FINAL DEMAND SECTORS	49,742	29,293	90,825	46,929	-	43,736	37,098	55,400	353,023	87%
TRANSFORMATION										
ELECTRICITY GEN.	490	3,610	-	-	-	-	67,936	-23,689	48,347	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	490	3,610	-	-	-	-	67,936	-23,689	48,347	12%
TOTAL GROSS FLOWS	50,232	32,903	90,825	46,929	-	43,736	105,034	55,400	401,370	98%
LOSSES & OMISSIONS	3,126	0	0	-1,851	-	-1,181	1,421	4,596	6,113	2%
TOTAL NET USAGE	53,358	32,903	90,825	45,077	-	42,554	106,455	36,307	407,483	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,568	1,568	2%
NUCLEAR	-	-	-	-	-	-	-	66,488	66,488	98%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	68,056	68,056	
NET IMPORTS OF REGION	53,358	32,903	90,825	45,077	-	42,554	106,455	-31,748	339,427	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 22 NORFOLK-PORTSMOUTH VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,299	1,453	-	8,169	-	17,129	384	33,741	79,175	20%
INDUSTRIAL	8,414	23,067	-	19,969	-	9,223	18,036	19,028	97,737	25%
TRANSPORTATION	11,836	9,970	106,647	29,398	-	3,147	8	-	161,006	41%
MISCELLANEOUS USES	1,901	951	-	49	-	2,764	11	3,513	9,189	2%
TOTAL FINAL DEMAND SECTORS	40,450	35,441	106,647	57,585	-	32,263	18,439	56,282	347,107	88%
TRANSFORMATION										
ELECTRICITY GEN.	2,746	16,007	-	-	-	-	9,965	-9,155	19,563	5%
PETROLEUM PRODUCTS	-132,709	-14,577	-148,335	-43,366	337,552	1,832	-	-	-102	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	125,245	-	-112,975	-	-	12,270	3%
NET FUEL USED IN TRANSFORMATION	-129,963	1,430	-148,335	81,379	337,552	-111,142	9,965	-9,155	31,730	8%
TOTAL GROSS FLOWS	43,196	51,448	106,647	182,830	337,552	34,095	28,404	56,282	378,940	97%
LOSSES & EMISSIONS	2,638	1	0	-7,211	14,003	-921	384	4,669	13,615	3%
TOTAL NET USAGE	-86,824	36,872	-41,687	131,752	351,555	-79,800	28,788	51,796	392,452	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	57	57	0%
NUCLEAR	-	-	-	-	-	-	-	27,987	27,987	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	28,044	28,044	
NET IMPORTS OF REGION	-86,824	36,872	-41,687	131,752	351,555	-79,800	28,788	23,752	364,408	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATUERAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

EEA ECONOMIC AREA 23 RALEIGH NORTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	35,494	3,434	-	19,527	-	10,672	255	78,174	147,576	20%
INDUSTRIAL	14,591	20,776	-	23,280	-	26,284	21,436	46,561	152,928	21%
TRANSPORTATION	11,885	231	156,887	3,708	-	631	-	-	173,342	23%
MISCELLANEOUS USES	1,868	931	-	92	-	1,615	4	1,265	5,825	1%
TOTAL FINAL DEMAND SECTORS	63,838	25,442	156,887	46,607	-	39,202	21,695	126,000	479,671	65%
TRANSFORMATION										
ELECTRICITY GEN.	16,231	-	-	-	-	-	349,436	-124,959	240,708	33%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	16,231	-	-	-	-	-	349,436	-124,959	240,708	33%
TOTAL GROSS FLOWS	80,069	25,442	156,887	46,607	-	39,202	371,131	126,000	720,379	98%
LOSSES & OMISSIONS	4,983	0	0	-1,838	-	-1,059	5,023	10,454	17,565	2%
TOTAL NET USAGE	85,052	25,442	156,887	44,768	-	38,142	376,154	11,495	737,944	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	5,415	5,415	25%
NUCLEAR	-	-	-	-	-	-	-	16,340	16,340	75%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	21,755	21,755	
NET IMPORTS OF REGION	85,052	25,442	156,887	44,768	-	38,142	376,154	-10,259	716,189	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.83%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 24 WILMINGTON NORTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,413	668	-	5,451	-	2,582	58	19,069	37,251	19%
INDUSTRIAL	5,085	9,026	-	12,871	-	12,204	7,123	14,413	60,722	32%
TRANSPORTATION	2,854	206	44,168	3,401	-	583	-	-	51,212	27%
MISCELLANEOUS USES	372	459	-	51	-	723	2	707	2,814	1%
TOTAL FINAL DEMAND SECTORS	18,224	10,359	44,168	21,774	-	16,092	7,193	34,189	151,999	79%
TRANSFORMATION										
ELECTRICITY GEN.	4,398	11,133	-	-	-	-	40,824	-19,218	37,137	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,398	11,133	-	-	-	-	40,824	-19,218	37,137	19%
TOTAL GROSS FLOWS	22,622	21,492	44,168	21,774	-	16,092	48,017	34,189	189,136	98%
LOSSES & OMISSIONS	1,408	0	0	-858	-	-434	649	2,836	3,601	2%
TOTAL NET USAGE	24,030	21,492	44,168	20,915	-	15,657	48,666	17,807	192,737	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	177	177	1%
NUCLEAR	-	-	-	-	-	-	-	29,249	29,249	99%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	29,426	29,426	
NET IMPORTS OF REGION	24,030	21,492	44,168	20,915	-	15,657	48,665	-11,618	163,311	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.90%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 25 GREENSBORO-WINSTON SALEM-HIGH POINT N.C. 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	23,172	2,048	-	12,889	-	7,183	176	49,440	94,908	19%
INDUSTRIAL	13,706	18,370	-	20,848	-	25,367	25,337	48,299	152,427	30%
TRANSPORTATION	15,782	268	105,428	3,072	-	500	-	-	125,050	25%
MISCELLANEOUS USES	455	238	-	18	-	415	1	238	1,365	0%
TOTAL FINAL DEMAND SECTORS	53,115	21,424	105,428	36,827	-	33,465	25,514	97,977	373,750	74%
TRANSFORMATION										
ELECTRICITY GEN.	12,269	-	-	-	-	-	166,455	-61,331	117,393	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	12,269	-	-	-	-	-	166,455	-61,331	117,393	23%
TOTAL GROSS FLOWS	65,384	21,424	105,428	36,827	-	33,465	191,969	97,977	491,143	98%
LOSSES & OMISSIONS	4,069	0	0	-1,452	-	-904	2,598	8,129	12,441	2%
TOTAL NET USAGE	69,453	21,424	105,428	35,374	-	32,560	194,567	44,775	503,584	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,997	2,997	11%
NUCLEAR	-	-	-	-	-	-	-	23,239	23,239	89%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	26,236	26,236	
NET IMPORTS OF REGION	69,453	21,424	105,428	35,374	-	32,560	194,567	18,539	477,348	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 26 CHARLOTTE NORTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	30,789	2,821	-	17,729	-	9,913	233	69,656	131,141	17%
INDUSTRIAL	18,878	29,036	-	38,838	-	48,012	39,026	70,273	244,063	32%
TRANSPORTATION	27,954	1,478	143,491	5,657	-	944	-	-	179,524	23%
MISCELLANEOUS USES	617	323	-	25	-	551	1	319	1,846	0%
TOTAL FINAL DEMAND SECTORS	78,238	33,658	143,491	62,249	-	59,430	39,260	140,248	556,574	72%
TRANSFORMATION										
ELECTRICITY GEN.	18,071	-	-	-	-	-	284,520	-103,679	198,912	26%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	18,071	-	-	-	-	-	284,520	-103,679	198,912	26%
TOTAL GROSS FLOWS	96,309	33,658	143,491	62,249	-	59,430	323,780	140,248	755,486	98%
LOSSES & OMISSIONS	5,994	0	0	-2,455	-	-1,605	4,382	11,636	17,954	2%
TOTAL NET USAGE	102,303	33,658	143,491	59,793	-	57,824	328,162	48,205	773,440	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	10,102	10,102	11%
NUCLEAR	-	-	-	-	-	-	-	84,715	84,715	89%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	94,817	94,817	
NET IMPORTS OF REGION	102,303	33,658	143,491	59,793	-	57,824	328,162	-46,611	678,623	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.74%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 27 ASHEVILLE NORTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,552	706	-	4,844	-	2,447	60	18,060	34,669	20%
INDUSTRIAL	5,930	10,056	-	6,391	-	8,728	9,191	15,700	55,996	32%
TRANSPORTATION	3,388	106	39,111	1,729	-	295	-	-	44,629	25%
MISCELLANEOUS USES	267	140	-	10	-	242	-	137	796	0%
TOTAL FINAL DEMAND SECTORS	18,137	11,008	39,111	12,974	-	11,712	9,251	33,897	136,090	78%
TRANSFORMATION										
ELECTRICITY GEN.	4,346	-	-	-	-	-	48,763	-18,267	34,842	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,346	-	-	-	-	-	48,763	-18,267	34,842	20%
TOTAL GROSS FLOWS	22,483	11,008	39,111	12,974	-	11,712	58,014	33,897	170,932	98%
LOSSES & EMISSIONS	1,399	0	0	-511	-	-316	785	2,812	4,169	2%
TOTAL NET USAGE	23,882	11,008	39,111	12,462	-	11,395	58,799	18,442	175,101	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9,004	9,004	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO. &SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	9,004	9,004	
NET IMPORTS OF REGION	23,882	11,008	39,111	12,462	-	11,395	58,799	9,438	166,097	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.60%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 28 GREENVILLE SOUTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,287	361	-	9,434	-	6,697	144	35,333	62,256	14%
INDUSTRIAL	7,466	12,615	-	34,008	-	47,782	31,424	51,713	185,008	43%
TRANSPORTATION	10,992	2,742	80,805	1,248	-	183	-	-	95,970	22%
MISCELLANEOUS USES	243	128	-	9	-	226	-	129	735	0%
TOTAL FINAL DEMAND SECTORS	28,988	15,846	80,805	44,699	-	54,888	31,568	87,175	343,969	79%
TRANSFORMATION										
ELECTRICITY GEN.	11,191	572	-	-	-	-	110,905	-42,251	80,417	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	11,191	572	-	-	-	-	110,905	-42,251	80,417	19%
TOTAL GROSS FLOWS	40,179	16,418	80,805	44,699	-	54,888	142,473	87,175	424,386	98%
LOSSES & EMISSIONS	2,500	0	0	-1,763	-	-1,483	1,928	7,233	8,417	2%
TOTAL NET USAGE	42,679	16,418	80,805	42,935	-	53,404	144,401	52,157	432,803	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,291	3,291	4%
NUCLEAR	-	-	-	-	-	-	-	70,680	70,680	96%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	73,971	73,971	
NET IMPORTS OF REGION	42,679	16,418	80,805	42,935	-	53,404	144,401	-21,813	358,832	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 29 COLUMBIA SOUTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,034	365	-	7,288	-	5,765	111	29,655	51,218	17%
INDUSTRIAL	4,621	7,233	-	21,591	-	25,342	18,355	29,058	106,200	35%
TRANSPORTATION	6,678	3,149	62,159	1,411	-	209	-	-	73,606	24%
MISCELLANEOUS USES	652	342	-	42	-	824	2	572	2,434	1%
TOTAL FINAL DEMAND SECTORS	19,985	11,089	62,159	30,332	-	32,140	18,468	59,285	233,458	76%
TRANSFORMATION										
ELECTRICITY GEN.	7,668	733	-	-	-	-	91,709	-34,391	65,719	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	7,668	733	-	-	-	-	91,709	-34,391	65,719	22%
TOTAL GROSS FLOWS	27,653	11,822	62,159	30,332	-	32,140	110,177	59,285	299,177	98%
LOSSES & EMISSIONS	1,721	0	0	-1,196	-	-868	1,491	4,919	6,067	2%
TOTAL NET USAGE	29,374	11,822	62,159	29,135	-	31,271	111,668	29,813	305,244	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	8,949	8,949	35%
NUCLEAR	-	-	-	-	-	-	-	16,340	16,340	65%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	25,289	25,289	
NET IMPORTS OF REGION	29,374	11,822	62,159	29,135	-	31,271	111,668	4,524	279,955	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 30 FLORENCE SOUTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,347	218	-	4,887	-	3,657	72	18,895	33,076	14%
INDUSTRIAL	6,163	13,216	-	5,995	-	14,129	11,612	29,964	85,079	35%
TRANSPORTATION	5,574	4,287	41,800	1,913	-	285	-	-	53,859	22%
MISCELLANEOUS USES	271	142	-	12	-	265	-	157	847	0%
TOTAL FINAL DEMAND SECTORS	17,355	17,863	41,800	16,807	-	18,336	11,684	49,016	172,861	71%
TRANSFORMATION										
ELECTRICITY GEN.	11,110	2,681	-	-	-	-	83,496	-33,611	63,676	26%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	11,110	2,681	-	-	-	-	83,496	-33,611	63,676	26%
TOTAL GROSS FLOWS	28,465	20,544	41,800	16,807	-	18,336	95,180	49,016	236,537	98%
LOSSES & OMISSIONS	1,771	0	0	-662	-	-495	1,288	4,067	5,969	2%
TOTAL NET USAGE	30,236	20,544	41,800	16,144	-	17,840	96,468	19,472	242,506	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	253	253	2%
NUCLEAR	-	-	-	-	-	-	-	12,074	12,074	98%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	12,327	12,327	
NET IMPORTS OF REGION	30,236	20,544	41,800	16,144	-	17,840	96,468	7,145	230,179	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.45%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 31 CHARLESTON SOUTH CAROLINA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,543	229	-	5,065	-	3,865	76	20,142	34,920	19%
INDUSTRIAL	2,097	4,217	-	5,779	-	7,804	5,767	14,476	40,140	21%
TRANSPORTATION	4,782	4,682	43,295	2,087	-	311	-	-	55,157	29%
MISCELLANEOUS USES	736	387	-	51	-	970	2	685	2,831	2%
TOTAL FINAL DEMAND SECTORS	13,158	9,515	43,295	12,982	-	12,950	5,845	35,303	133,048	71%
TRANSFORMATION										
ELECTRICITY GEN.	4,562	13,688	-	-	-	-	58,033	-25,949	50,334	27%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,562	13,688	-	-	-	-	58,033	-25,949	50,334	27%
TOTAL GROSS FLOWS	17,720	23,203	43,295	12,982	-	12,950	63,878	35,303	183,382	98%
LOSSES & OMISSIONS	1,102	0	0	-512	-	-349	864	2,929	4,035	2%
TOTAL NET USAGE	18,822	23,203	43,295	12,469	-	12,600	64,742	12,283	187,417	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,600	1,600	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	1,600	1,600	
NET IMPORTS OF REGION	18,822	23,203	43,295	12,469	-	12,600	64,742	10,683	185,817	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.98%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 32 AUGUSTA GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,924	554	-	4,141	-	4,784	32	15,798	29,233	15%
INDUSTRIAL	4,710	9,536	-	10,959	-	20,132	10,432	20,800	76,619	40%
TRANSPORTATION	4,160	630	38,715	2,346	-	136	-	-	45,987	24%
MISCELLANEOUS USES	543	285	-	26	-	533	1	177	1,586	1%
TOTAL FINAL DEMAND SECTORS	13,337	11,005	38,715	17,472	-	25,655	10,465	36,775	153,425	80%
TRANSFORMATION										
ELECTRICITY GEN.	5,362	-	-	-	-	-	49,184	-18,815	35,731	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,362	-	-	-	-	-	49,184	-18,815	35,731	19%
TOTAL GROSS FLOWS	18,699	11,006	38,715	17,472	-	25,655	59,649	36,775	189,156	98%
LOSSES & EMISSIONS	1,163	0	0	-689	-	-693	807	3,051	3,640	2%
TOTAL NET USAGE	19,862	11,006	38,715	16,782	-	24,951	60,456	21,011	192,796	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	279	279	1%
NUCLEAR	-	-	-	-	-	-	-	41,758	41,758	99%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	42,037	42,037	
NET IMPORTS OF REGION	19,862	11,006	38,715	16,782	-	24,961	60,456	-21,025	150,759	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.51%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 33 SAVANNAH GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,343	765	-	3,772	-	5,501	13	15,046	28,440	17%
INDUSTRIAL	3,379	8,162	-	7,608	-	11,999	5,479	13,138	49,765	30%
TRANSPORTATION	4,945	354	36,917	8,252	-	390	-	-	50,858	30%
MISCELLANEOUS USES	435	228	-	19	-	422	-	173	1,277	1%
TOTAL FINAL DEMAND SECTORS	12,102	9,509	36,917	19,651	-	18,312	5,492	28,357	130,340	78%
TRANSFORMATION										
ELECTRICITY GEN.	3,663	13,188	-	-	-	-	33,860	-17,232	33,479	20%
PETROLEUM PRODUCTS	-7,566	-831	-8,457	-2,501	19,246	104	-	-	-5	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,903	12,356	-8,457	-2,501	19,246	104	33,860	-17,232	33,473	20%
TOTAL GROSS FLOWS	15,765	22,697	36,917	19,651	19,246	18,416	39,352	28,357	163,819	98%
LOSSES & OMISSIONS	981	0	0	-775	798	-497	532	2,352	3,393	2%
TOTAL NET USAGE	9,179	21,866	28,459	16,374	20,044	17,918	39,884	13,477	167,206	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	147	147	0%
NUCLEAR	-	-	-	-	-	-	-	43,374	43,374	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	43,521	43,521	
NET IMPORTS OF REGION	9,179	21,866	28,459	16,374	20,044	17,918	39,884	-30,043	123,685	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.02%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 34 JACKSONVILLE FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,261	2,438	-	13,459	-	6,416	177	69,408	102,159	19%
INDUSTRIAL	16,265	35,458	-	12,839	-	22,702	15,511	21,775	124,550	24%
TRANSPORTATION	24,898	1,278	126,872	19,797	-	923	1	-	173,769	33%
MISCELLANEOUS USES	1,398	734	-	67	-	1,220	3	1,084	4,506	1%
TOTAL FINAL DEMAND SECTORS	52,822	39,908	126,872	46,162	-	31,261	15,692	92,267	404,984	77%
TRANSFORMATION										
ELECTRICITY GEN.	14,601	42,012	-	-	-	-	110,174	-56,842	109,945	21%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	14,601	42,012	-	-	-	-	110,174	-56,842	109,945	21%
TOTAL GROSS FLOWS	67,423	81,920	126,872	46,162	-	31,261	125,866	92,267	514,929	98%
LOSSES & EMISSIONS	4,196	1	0	-1,820	-	-844	1,703	7,655	10,892	2%
TOTAL NET USAGE	71,619	81,921	126,872	44,341	-	30,416	127,569	43,080	525,821	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	477	477	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	477	477	
NET IMPORTS OF REGION	71,619	81,921	126,872	44,341	-	30,416	127,569	42,603	525,344	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.92%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 35 ORLANDO FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,536	2,465	-	14,294	-	4,748	207	75,506	107,756	24%
INDUSTRIAL	5,133	5,175	-	8,260	-	6,906	10,753	14,135	50,362	11%
TRANSPORTATION	11,912	1,660	134,066	24,046	-	1,125	-	-	172,809	38%
MISCELLANEOUS USES	1,477	777	-	64	-	1,312	3	957	4,590	1%
TOTAL FINAL DEMAND SECTORS	29,058	10,077	134,066	46,664	-	14,091	10,963	90,598	335,517	74%
TRANSFORMATION										
ELECTRICITY GEN.	11,801	43,996	-	-	-	-	108,181	-55,698	108,280	24%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	11,801	43,996	-	-	-	-	108,181	-55,698	108,280	24%
TOTAL GROSS FLOWS	40,859	54,073	134,066	46,664	-	14,091	119,144	90,598	443,797	98%
LOSSES & OMISSIONS	2,543	1	0	-1,840	-	-380	1,612	7,517	9,453	2%
TOTAL NET USAGE	43,402	54,074	134,066	44,823	-	13,710	120,756	42,417	453,250	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	122	-	-	-	122	21%
HYDROELECTRIC	-	-	-	-	-	-	-	468	468	79%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	122	-	-	468	590	
NET IMPORTS OF REGION	43,402	54,074	134,066	44,823	-122	13,710	120,756	41,949	452,660	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 36 MIAMI FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	27,490	6,196	-	38,289	-	12,285	559	198,432	283,251	23%
INDUSTRIAL	14,122	15,017	-	17,609	-	25,428	13,050	28,092	113,318	9%
TRANSPORTATION	23,496	11,168	359,883	161,587	-	7,564	-	-	563,698	45%
MISCELLANEOUS USES	2,098	1,103	-	90	-	1,872	4	1,316	6,483	1%
TOTAL FINAL DEMAND SECTORS	67,206	33,484	359,883	217,575	-	47,149	13,613	227,840	956,750	78%
TRANSFORMATION										
ELECTRICITY GEN.	29,528	89,744	-	-	-	-	272,059	-133,212	258,119	21%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	29,528	89,744	-	-	-	-	272,059	-133,212	258,119	21%
TOTAL GROSS FLOWS	96,734	123,228	359,883	217,575	-	47,149	285,672	227,840	1,224,869	98%
LOSSES & EMISSIONS	6,021	2	1	-8,582	-	-1,274	3,866	18,904	18,940	2%
TOTAL NET USAGE	102,755	123,230	359,884	208,992	-	45,874	289,538	113,532	1,243,809	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	106,397	2,107	-	-	108,504	59%
HYDROELECTRIC	-	-	-	-	-	-	-	1,177	1,177	1%
NUCLEAR	-	-	-	-	-	-	-	74,003	74,003	40%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	106,397	2,107	-	75,180	183,684	
NET IMPORTS OF REGION	102,755	123,230	359,884	208,992	-106,397	43,767	289,538	38,352	1,060,125	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.96%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 37 TAMPA-SAINT PETERSBURG FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	21,620	4,669	-	30,998	-	9,576	452	157,295	224,610	22%
INDUSTRIAL	18,146	19,607	-	23,163	-	30,876	17,267	29,938	138,997	14%
TRANSPORTATION	24,608	2,135	292,027	30,935	-	1,446	1	-	351,152	35%
MISCELLANEOUS USES	1,684	885	-	69	-	1,512	3	994	5,147	1%
TOTAL FINAL DEMAND SECTORS	66,058	27,296	292,027	85,165	-	43,410	17,723	188,227	719,906	71%
TRANSFORMATION										
ELECTRICITY GEN.	24,418	97,320	-	-	-	-	285,595	-138,232	269,101	27%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	24,418	97,320	-	-	-	-	285,595	-138,232	269,101	27%
TOTAL GROSS FLOWS	90,476	124,616	292,027	85,165	-	43,410	303,318	188,227	989,007	98%
LOSSES & EMISSIONS	5,631	2	1	-3,359	-	-1,173	4,105	15,617	20,826	2%
TOTAL NET USAGE	96,107	124,618	292,028	81,805	-	42,236	307,423	65,612	1,009,833	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	18,785	463	-	-	19,248	55%
HYDROELECTRIC	-	-	-	-	-	-	-	972	972	3%
NUCLEAR	-	-	-	-	-	-	-	14,978	14,978	43%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	18,785	463	-	15,950	35,198	
NET IMPORTS OF REGION	96,107	124,618	292,028	81,805	-18,785	41,773	307,423	49,662	974,635	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.06%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 38 TALLAHASSEE FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
BIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,504	831	-	4,704	-	1,589	67	25,002	35,697	20%
INDUSTRIAL	4,356	8,414	-	3,959	-	5,392	3,361	5,776	31,258	17%
TRANSPORTATION	3,496	511	44,082	7,395	-	345	-	-	55,830	31%
MISCELLANEOUS USES	749	394	-	31	-	673	1	436	2,284	1%
TOTAL FINAL DEMAND SECTORS	12,105	10,150	44,082	16,089	-	8,000	3,429	31,214	125,069	69%
TRANSFORMATION										
ELECTRICITY GEN.	4,022	16,637	-	-	-	-	57,474	-26,504	51,629	29%
PETROLEUM PRODUCTS	-3,317	-364	-3,708	-1,096	8,438	45	-	-	-2	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	704	16,272	-3,708	-1,096	8,438	45	57,474	-26,504	51,626	29%
TOTAL GROSS FLOWS	16,127	26,787	44,082	16,089	8,438	8,045	60,903	31,214	176,698	98%
LOSSES & EMISSIONS	1,003	0	0	-634	350	-217	824	2,589	3,916	2%
TOTAL NET USAGE	13,813	26,423	40,373	14,357	8,788	7,828	61,727	7,299	180,612	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	494	494	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	494	494	
NET IMPORTS OF REGION	13,813	26,423	40,373	14,357	8,788	7,828	61,727	6,805	180,118	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.08%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 39 PENSACOLA FLORIDA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,622	469	-	4,273	-	1,570	57	20,208	29,199	12%
INDUSTRIAL	6,747	12,459	-	28,816	-	35,918	7,915	20,758	112,613	45%
TRANSPORTATION	3,306	1,237	40,446	13,858	-	675	-	-	59,522	24%
MISCELLANEOUS USES	717	377	-	41	-	590	2	784	2,511	1%
TOTAL FINAL DEMAND SECTORS	13,392	14,542	40,446	46,988	-	38,753	7,974	41,750	203,845	81%
TRANSFORMATION										
ELECTRICITY GEN.	5,355	-	-	-	-	-	61,872	-23,115	44,112	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,355	-	-	-	-	-	61,872	-23,115	44,112	18%
TOTAL GROSS FLOWS	18,747	14,542	40,446	46,988	-	38,753	69,846	41,750	247,957	99%
LOSSES & OMISSIONS	1,166	0	0	-1,853	-	-1,047	945	3,464	2,676	1%
TOTAL NET USAGE	19,913	14,542	40,446	45,134	-	37,705	70,791	22,099	250,633	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	912,917	280,174	-	-	1,193,091	100%
HYDROELECTRIC	-	-	-	-	-	-	-	216	216	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	912,917	280,174	-	216	1,193,307	
NET IMPORTS OF REGION	19,913	14,542	40,446	45,134	-912,917	-242,468	70,791	21,883	-942,673	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.62%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 40 MONTGOMERY ALABAMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,610	364	-	6,804	-	9,883	53	30,741	50,255	18%
INDUSTRIAL	2,022	2,389	-	4,709	-	17,589	12,320	21,634	60,063	22%
TRANSPORTATION	16,519	11,836	60,614	6,322	-	1,386	-	-	96,677	35%
MISCELLANEOUS USES	848	446	-	45	-	1,05[illegible]	2	410	2,802	1%
TOTAL FINAL DEMAND SECTORS	21,999	15,035	60,614	17,180	-	29,909	12,375	52,785	209,797	75%
TRANSFORMATION										
ELECTRICITY GEN.	6,768	-	-	-	-	-	63,029	-24,069	45,728	17%
PETROLEUM PRODUCTS	-65,507	-4,047	-108,044	-113,301	269,598	24,216	-	-	2,515	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-58,739	-4,047	-108,044	-113,301	269,598	24,216	63,029	-24,069	48,243	18%
TOTAL GROSS FLOWS	28,767	15,035	60,614	17,180	269,598	54,125	75,404	52,785	258,040	94%
LOSSES & OMISSIONS	8,790	0	0	-573	11,184	-1,462	1,020	4,379	16,239	5%
TOTAL NET USAGE	-30,949	10,987	-47,429	-97,394	280,782	52,663	76,424	33,095	274,279	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9,721	9,721	24%
NUCLEAR	-	-	-	-	-	-	-	30,647	30,647	75%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	40,368	40,368	
NET IMPORTS OF REGION	-30,949	10,987	-47,429	-97,394	280,782	52,663	76,424	-7,272	233,911	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.52%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 41 ALBANY GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,996	938	-	4,565	-	6,747	13	18,145	34,404	21%
INDUSTRIAL	3,379	5,076	-	4,253	-	10,983	6,272	14,244	44,207	26%
TRANSPORTATION	4,678	30	44,852	3,479.	-	159	-	-	53,198	32%
MISCELLANEOUS USES	445	234	-	19	-	423	1	192	1,314	1%
TOTAL FINAL DEMAND SECTORS	12,498	6,278	44,852	12,316	-	18,312	6,286	32,581	133,123	79%
TRANSFORMATION										
ELECTRICITY GEN.	4,202	-	-	-	-	-	43,248	-16,340	31,110	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,202	-	-	-	-	-	43,248	-16,340	31,110	19%
TOTAL GROSS FLOWS	16,700	6,278	44,852	12,316	-	18,312	49,534	32,581	164,233	98%
LOSSES & OMISSIONS	1,039	0	0	-485	-	-494	670	2,703	3,433	2%
TOTAL NET USAGE	17,739	6,278	44,852	11,830	-	17,817	50,204	18,944	167,666	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,947	1,947	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	1,947	1,947	
NET IMPORTS OF REGION	17,739	6,278	44,852	11,830	-	17,817	50,204	16,997	165,719	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EBA ECONOMIC AREA 42 MACON GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,246	1,029	-	4,730	-	7,108	16	19,326	36,455	11%
INDUSTRIAL	4,113	6,126	-	5,341	-	12,659	5,048	13,009	46,296	14%
TRANSPORTATION	5,116	31	46,427	3,577	-	163	-	-	55,314	17%
MISCELLANEOUS USES	731	384	-	30	-	678	1	346	2,170	1%
TOTAL FINAL DEMAND SECTORS	14,206	7,570	46,427	13,678	-	20,508	5,065	32,681	140,235	43%
TRANSFORMATION										
ELECTRICITY GEN.	4,197	-	-	-	-	-	268,388	-92,682	179,903	55%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,197	-	-	-	-	-	268,388	-92,682	179,903	55%
TOTAL GROSS FLOWS	18,403	7,570	46,427	13,678	-	20,608	273,453	32,681	320,138	98%
LOSSES & OMISSIONS	1,145	0	0	-539	-	-556	3,701	2,711	6,462	2%
TOTAL NET USAGE	19,548	7,570	46,427	13,138	-	20,051	277,154	-57,289	326,600	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	3,503	3,503	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	3,503	3,503	
NET IMPORTS OF REGION	19,548	7,570	46,427	13,138	-	20,051	277,154	-60,792	323,097	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.00%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 43 COLUMBUS GEORGIA-ALABAMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,693	543	-	3,929	-	5,573	18	15,886	28,642	19%
INDUSTRIAL	1,848	3,325	-	6,701	-	14,157	10,311	14,646	50,988	33%
TRANSPORTATION	4,125	199	37,904	1,099	-	67	-	-	43,394	28%
MISCELLANEOUS USES	704	370	-	34	-	727	1	214	2,050	1%
TOTAL FINAL DEMAND SECTORS	9,370	4,437	37,904	11,763	-	20,524	10,330	30,746	125,074	81%
TRANSFORMATION										
ELECTRICITY GEN.	3,942	-	-	-	-	-	36,713	-14,020	26,635	17%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,942	-	-	-	-	-	36,713	-14,020	26,635	17%
TOTAL GROSS FLOWS	13,312	4,437	37,904	11,763	-	20,524	47,043	30,746	151,709	98%
LOSSES & EMISSIONS	828	0	0	-463	-	-554	636	2,551	2,998	2%
TOTAL NET USAGE	14,140	4,437	37,904	11,299	-	19,969	47,679	19,277	154,707	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC.	-	-	-	-	-	-	-	3,846	3,846	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	3,846	3,846	
NET IMPORTS OF REGION	14,140	4,437	37,904	11,299	-	19,969	47,679	15,431	150,861	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.51%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATUEAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EPA ECONOMIC AREA 44 ATLANTA GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	30,050	8,525	-	28,902	-	47,984	115	131,467	247,043	20%
INDUSTRIAL	14,570	27,096	-	36,590	-	71,206	32,605	62,101	244,168	20%
TRANSPORTATION	57,836	845	280,979	96,643	-	4,420	1	-	440,724	35%
MISCELLANEOUS USES	2,506	1,316	-	100	-	2,294	4	1,248	7,468	1%
TOTAL FINAL DEMAND SECTORS	104,962	37,782	280,979	162,235	-	125,904	32,725	194,816	939,403	75%
TRANSFORMATION										
ELECTRICITY GEN.	25,017	-	-	-	-	-	413,776	-150,278	288,515	23%
PETROLEUM PRODUCTS	-2,910	-319	-3,253	-962	7,402	40	-	-	-2	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	22,106	-319	-3,253	-962	7,402	40	413,776	-150,278	288,512	23%
TOTAL GROSS FLOWS	129,979	37,782	280,979	162,235	7,402	125,944	446,501	194,816	1,227,918	98%
LOSSES & EMISSIONS	8,090	0	1	-6,399	307	-3,403	6,043	16,164	20,805	2%
TOTAL NET USAGE	135,158	37,463	277,727	154,873	7,709	122,540	452,544	60,702	1,248,721	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	12,187	12,187	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	12,187	12,187	
NET IMPORTS OF REGION	135,158	37,463	277,727	154,873	7,709	122,540	452,544	48,515	1,236,534	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.7%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.0%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 45 BIRMINGHAM ALABAMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,757	919	-	15,963	-	24,431	147	74,941	123,158	14%
INDUSTRIAL	5,756	7,162	-	31,633	-	65,763	64,111	66,991	241,416	28%
TRANSPORTATION	36,113	4,322	146,710	2,653	-	578	1	-	190,377	22%
MISCELLANEOUS USES	1,037	545	-	46	-	1,057	1	533	3,219	0%
TOTAL FINAL DEMAND SECTORS	49,663	12,948	146,710	50,295	-	91,829	64,260	142,465	558,170	66%
TRANSFORMATION										
ELECTRICITY GEN.	18,274	-	-	-	-	-	394,524	-141,064	271,734	32%
PETROLEUM PRODUCTS	-19,161	-1,183	-31,603	-33,257	78,857	7,083	-	-	735	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-887	-1,183	-31,603	-33,257	78,857	7,083	394,524	-141,064	272,469	32%
TOTAL GROSS FLOWS	67,937	12,948	146,710	50,295	78,857	98,912	458,784	142,465	830,639	98%
LOSSES & OMISSIONS	4,228	0	0	-1,983	3,271	-2,672	6,210	11,820	20,875	2%
TOTAL NET USAGE	53,004	11,764	115,107	15,054	82,128	96,239	464,994	13,221	851,515	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,653	4,417	312,234	-	318,304	97%
HYDROELECTRIC	-	-	-	-	-	-	-	10,532	10,532	3%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1,653	4,417	312,234	10,532	328,836	
NET IMPORTS OF REGION	53,004	11,764	115,107	15,054	80,475	91,822	152,760	2,689	522,679	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.83%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 46 MEMPHIS TENNESSEE-ARKANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,779	1,415	-	17,455	-	32,102	270	76,868	136,889	17%
INDUSTRIAL	13,796	38,013	-	63,186	-	77,499	29,784	76,307	298,585	37%
TRANSPORTATION	42,390	216	147,154	13,134	-	1,285	1	-	204,180	25%
MISCELLANEOUS USES	1,237	778	-	50	-	1,154	1	492	3,712	0%
TOTAL FINAL DEMAND SECTORS	66,202	40,422	147,154	93,825	-	112,040	30,056	153,667	643,366	79%
TRANSFORMATION										
ELECTRICITY GEN.	18,828	-	-	-	-	19,102	197,919	-80,728	155,121	19%
PETROLEUM PRODUCTS	-22,287	-8,926	-45,844	-20,148	95,685	2,126	-	-	605	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,459	-8,926	-45,844	-20,148	95,685	21,228	197,919	-80,728	155,726	19%
TOTAL GROSS FLOWS	85,030	40,422	147,154	93,825	95,685	133,258	227,975	153,667	799,092	98%
LOSSES & EMISSIONS	5,292	0	0	-3,700	3,969	-3,601	3,085	12,750	17,797	2%
TOTAL NET USAGE	68,035	31,496	101,310	69,976	99,654	129,657	231,060	85,689	816,890	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	719	719	34%
NUCLEAR	-	-	-	-	-	-	-	916	916	43%
GEO.&SOLAR	-	-	-	-	-	-	-	479	479	23%
TOTAL SUPPLY	-	-	-	-	-	-	-	2,114	2,114	
NET IMPORTS OF REGION	68,035	31,496	101,310	69,976	99,654	129,667	231,060	83,575	814,776	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 47 HUNTSVILLE ALABAMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,695	359	-	6,589	-	9,936	68	32,178	51,825	16%
INDUSTRIAL	2,249	2,826	-	17,752	-	31,220	27,694	31,868	113,609	35%
TRANSPORTATION	8,618	2,043	60,370	2,419	-	313	-	-	73,763	23%
MISCELLANEOUS USES	1,226	643	-	50	-	1,181	2	619	3,721	1%
TOTAL FINAL DEMAND SECTORS	14,798	5,871	60,370	26,810	-	42,650	27,764	64,665	242,918	75%
TRANSFORMATION										
ELECTRICITY GEN.	8,290	-	-	-	-	-	104,038	-38,582	73,746	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	8,290	-	-	-	-	-	104,038	-38,582	73,746	23%
TOTAL GROSS FLOWS	23,078	5,871	60,370	26,810	-	42,650	131,802	64,665	316,664	98%
LOSSES & OMISSIONS	1,436	0	0	-1,057	-	-1,152	1,784	5,365	6,376	2%
TOTAL NET USAGE	24,514	5,871	60,370	25,752	-	41,497	133,586	31,448	323,040	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	15,919	15,919	13%
NUCLEAR	-	-	-	-	-	-	-	103,997	103,997	87%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	119,916	119,916	
NET IMPORTS OF REGION	24,514	5,871	60,370	25,752	-	41,497	133,586	-88,467	203,124	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 48 CHATTANOOGA TENNESSEE-GEORGIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,572	604	-	7,842	-	10,150	116	38,452	61,536	13%
INDUSTRIAL	3,714	5,766	-	28,090	-	39,772	26,842	51,942	156,126	34%
TRANSPORTATION	11,235	143	73,231	2,710	-	144	-	-	87,463	19%
MISCELLANEOUS USES	246	130	-	9	-	225	-	126	736	0%
TOTAL FINAL DEMAND SECTORS	19,567	6,643	73,231	38,651	-	50,291	26,958	90,520	305,861	67%
TRANSFORMATION										
ELECTRICITY GEN.	11,606	-	-	-	-	-	202,717	-73,365	140,958	31%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	11,606	-	-	-	-	-	202,717	-73,365	140,958	31%
TOTAL GROSS FLOWS	31,173	6,643	73,231	38,651	-	50,291	229,675	90,520	446,819	98%
LOSSES & EMISSIONS	1,940	0	0	-1,524	-	-1,358	3,108	7,510	9,676	2%
TOTAL NET USAGE	33,113	6,643	73,231	37,126	-	48,932	232,783	24,665	456,495	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	28,232	-	28,232	16%
HYDROELECTRIC	-	-	-	-	-	-	-	16,882	16,882	10%
NUCLEAR	-	-	-	-	-	-	-	128,470	128,470	74%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	28,232	145,352	173,584	
NET IMPORTS OF REGION	33,113	6,643	73,231	37,126	-	48,932	204,551	-120,686	282,911	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EPA ECONOMIC AREA 49 NASHVILLE TENNESSEE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,358	578	-	14,999	-	22,298	334	80,004	124,571	18%
INDUSTRIAL	2,403	2,894	-	15,858	-	32,891	29,989	65,450	149,485	22%
TRANSPORTATION	25,511	3	135,914	10,642	-	534	-	-	172,604	25%
MISCELLANEOUS USES	1,014	533	-	50	-	1,245	1	653	3,496	1%
TOTAL FINAL DEMAND SECTORS	35,286	4,008	135,914	41,549	-	56,968	30,324	146,107	450,156	66%
TRANSFORMATION										
ELECTRICITY GEN.	18,732	-	-	-	-	-	303,056	-110,227	211,561	31%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	18,732	-	-	-	-	-	303,056	-110,227	211,561	31%
TOTAL GROSS FLOWS	54,018	4,008	135,914	41,549	-	56,968	333,380	146,107	661,717	98%
LOSSES & OMISSIONS	3,362	0	0	-1,638	-	-1,539	4,512	12,123	16,820	2%
TOTAL NET USAGE	57,380	4,008	135,914	39,910	-	55,428	337,892	48,003	678,537	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,652	1,415	19,609	-	22,676	19%
HYDROELECTRIC	-	-	-	-	-	-	-	6,853	6,853	6%
NUCLEAR	-	-	-	-	-	-	-	89,544	89,544	75%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	1,652	1,415	19,609	96,397	119,073	
NET IMPORTS OF REGION	57,380	4,008	135,914	39,910	-1,652	54,013	318,283	-48,393	559,464	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 50 KNOXVILLE TENNESSEE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,987	335	-	9,543	-	13,989	213	50,371	78,438	17%
INDUSTRIAL	1,691	1,812	-	26,091	-	31,136	28,255	54,662	143,647	31%
TRANSPORTATION	14,997	3	86,559	8,073	-	409	-	-	110,041	23%
MISCELLANEOUS USES	564	296	-	22	-	522	1	287	1,692	0%
TOTAL FINAL DEMAND SECTORS	21,239	2,446	86,559	43,729	-	46,056	28,469	105,320	333,818	71%
TRANSFORMATION										
ELECTRICITY GEN.	13,503	-	-	-	-	-	177,172	-65,458	125,217	27%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	13,503	-	-	-	-	-	177,172	-65,458	125,217	27%
TOTAL GROSS FLOWS	34,742	2,446	86,559	43,729	-	46,056	205,641	105,320	459,035	98%
LOSSES & OMISSIONS	2,152	0	0	-1,724	-	-1,244	2,783	8,738	10,715	2%
TOTAL NET USAGE	36,904	2,446	86,559	42,004	-	44,811	208,424	48,600	469,750	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,658	10,811	802,001	-	816,470	99%
HYDROELECTRIC	-	-	-	-	-	-	-	9,674	9,674	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	3,658	10,811	802,001	9,674	826,144	
NET IMPORTS OF REGION	36,904	2,446	86,559	42,004	-3,658	34,000	-593,576	38,926	-356,393	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 51 BRISTOL VIRGINIA-TENNESSEE 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,138	470	-	5,928	-	12,623	235	28,271	53,665	14%
INDUSTRIAL	7,544	4,627	-	31,259	-	34,906	26,062	44,683	149,081	39%
TRANSPORTATION	13,293	1,319	65,884	7,473	-	735	4	-	88,708	23%
MISCELLANEOUS USES	263	134	-	7	-	293	-	148	845	0%
TOTAL FINAL DEMAND SECTORS	27,238	6,550	65,884	44,667	-	48,557	26,301	73,102	292,299	76%
TRANSFORMATION										
ELECTRICITY GEN.	6,900	-	-	-	-	-	120,416	-43,245	84,071	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,900	-	-	-	-	-	120,416	-43,245	84,071	22%
TOTAL GROSS FLOWS	34,138	6,550	65,884	44,667	-	48,557	146,717	73,102	376,370	98%
LOSSES & OMISSIONS	2,124	0	0	-1,761	-	-1,312	1,985	6,065	7,102	2%
TOTAL NET USAGE	36,262	6,550	65,884	42,905	-	47,244	148,702	35,922	383,472	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	166	3,189	1,675,532	-	1,678,887	95%
HYDROELECTRIC	-	-	-	-	-	-	-	2,460	2,460	0%
NUCLEAR	-	-	-	-	-	-	-	89,562	89,562	5%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	166	3,189	1,675,532	92,022	1,770,909	
NET IMPORTS OF REGION	36,262	6,550	65,884	42,905	-166	44,055	-1,526,829	-56,099	-1,387,436	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 52 HUNTINGTON-ASHLAND WEST VIRGINIA-KENTUCKY-OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,028	963	-	8,313	-	45,567	518	27,683	90,072	9%
INDUSTRIAL	7,910	5,162	-	36,012	-	51,670	118,060	85,498	304,312	32%
TRANSPORTATION	27,498	56	88,044	2,883	-	1,517	17	9	120,024	13%
MISCELLANEOUS USES	760	390	-	17	-	784	2	368	2,321	0%
TOTAL FINAL DEMAND SECTORS	43,196	6,571	88,044	47,225	-	99,538	118,597	113,558	516,729	54%
TRANSFORMATION										
ELECTRICITY GEN.	5,778	-	-	-	-	119	509,694	-176,553	339,038	36%
PETROLEUM PRODUCTS	-71,794	-27,927	-145,000	-63,267	303,247	6,616	-	-	1,873	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-39,608	-	100,843	-	61,235	6%
NET FUEL USED IN TRANSFORMATION	-66,016	-27,927	-145,000	-63,267	263,639	6,735	610,537	-176,553	402,146	42%
TOTAL GROSS FLOWS	48,974	5,571	88,044	47,225	303,247	106,273	729,134	113,558	918,875	97%
LOSSES & EMISSIONS	3,048	0	0	-17,862	12,580	-2,871	9,869	9,422	30,186	3%
TOTAL NET USAGE	-19,771	-21,356	-56,956	-17,905	276,219	103,401	739,003	-53,572	949,062	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,720	4,987	3,293,955	-	3,305,662	100%
HYDROELECTRIC	-	-	-	-	-	-	-	543	543	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	34	34	0%
TOTAL SUPPLY	-	-	-	-	6,720	4,987	3,293,955	577	3,306,239	
NET IMPORTS OF REGION	-19,771	-21,356	-56,956	-17,905	269,499	98,414	-2,554,951	-54,149	-2,357,176	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.60%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =60.72%

BEA ECONOMIC AREA 53 LEXINGTON KENTUCKY 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,643	314	-	8,549	-	21,911	171	34,997	69,585	21%
INDUSTRIAL	1,260	860	-	3,509	-	17,009	13,097	37,841	73,576	22%
TRANSPORTATION	15,438	12	74,251	5,671	-	349	-	-	95,721	28%
MISCELLANEOUS USES	1,058	556	-	41	-	972	1	545	3,173	1%
TOTAL FINAL DEMAND SECTORS	21,399	1,742	74,251	17,770	-	40,241	13,269	73,383	242,055	72%
TRANSFORMATION										
ELECTRICITY GEN.	9,420	9,632	-	-	-	-	113,352	-45,324	87,080	26%
PETROLEUM PRODUCTS	-1,523	-610	-3,132	-1,376	6,538	145	-	-	41	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	7,897	9,022	-3,132	-1,376	6,538	145	113,352	-45,324	87,121	26%
TOTAL GROSS FLOWS	30,819	11,374	74,251	17,770	6,538	40,386	126,621	73,383	329,176	98%
LOSSES & EMISSIONS	1,918	0	0	-700	271	-1,091	1,713	6,088	8,200	2%
TOTAL NET USAGE	31,214	10,764	71,118	15,692	6,810	39,294	128,334	34,147	337,377	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	13,992	13,719	992,258	-	1,019,969	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,259	3,259	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	13,992	13,719	992,258	3,259	1,023,228	
NET IMPORTS OF REGION	31,214	10,764	71,118	15,692	-7,181	25,575	-863,923	30,888	-685,850	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 54 LOUISVILLE KENTUCKY-INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,000	1,729	-	12,110	-	31,964	255	40,828	99,286	14%
INDUSTRIAL	6,757	4,773	-	29,588	-	43,415	44,131	90,814	218,882	32%
TRANSPORTATION	28,092	81	97,736	6,586	-	348	1	4	132,848	19%
MISCELLANEOUS USES	1,014	534	-	52	-	1,374	2	860	3,836	1%
TOTAL FINAL DEMAND SECTORS	47,663	7,117	97,736	48,336	-	77,105	44,389	132,506	454,852	66%
TRANSFORMATION										
ELECTRICITY GEN.	16,617	894	-	-	-	154	308,161	-113,017	212,809	31%
PETROLEUM PRODUCTS	-12,793	-5,124	-26,316	-11,565	54,926	1,220	-	-	348	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,824	-4,230	-26,316	-11,565	54,926	1,374	308,161	-113,017	213,157	31%
TOTAL GROSS FLOWS	64,280	8,011	97,736	48,336	54,926	78,479	352,550	132,506	668,009	97%
LOSSES & OMISSIONS	4,000	0	0	-1,906	2,278	-2,120	4,772	10,994	18,019	3%
TOTAL NET USAGE	55,487	2,886	71,420	34,864	57,205	76,358	357,322	30,483	686,029	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	94	-	-	-	94	6%
HYDROELECTRIC	-	-	-	-	-	-	-	1,348	1,348	91%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	43	43	3%
TOTAL SUPPLY	-	-	-	-	94	-	-	1,391	1,485	
NET IMPORTS OF REGION	55,487	2,886	71,420	34,864	57,111	76,358	357,322	29,092	684,544	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.31%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 55 EVANSVILLE INDIANA-KENTUCKY 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,762	3,387	-	8,954	-	27,309	198	20,252	78,862	12%
INDUSTRIAL	12,923	5,061	-	16,621	-	24,926	35,530	39,142	134,203	20%
TRANSPORTATION	9,439	125	61,535	6,641	-	374	-	13	78,127	12%
MISCELLANEOUS USES	998	528	-	24	-	508	1	255	2,314	0%
TOTAL FINAL DEMAND SECTORS	42,122	9,101	61,535	32,240	-	53,117	35,729	59,662	293,506	43%
TRANSFORMATION										
ELECTRICITY GEN.	9,521	11,409	-	-	-	329	526,825	-190,696	357,388	53%
PETROLEUM PRODUCTS	-54,110	-21,673	-111,305	-48,917	232,314	5,162	-	-	1,471	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-44,589	-10,264	-111,305	-48,917	232,314	5,491	526,825	-190,696	358,859	53%
TOTAL GROSS FLOWS	51,643	20,510	61,535	32,240	232,314	58,608	562,554	59,662	652,365	97%
LOSSES & EMISSIONS	3,214	0	0	-1,271	9,637	-1,583	7,614	4,950	22,562	3%
TOTAL NET USAGE	747	-1,162	-49,769	-17,948	241,952	57,024	570,168	-126,083	674,927	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	103,383	13,526	2,644,846	-	2,761,755	99%
HYDROELECTRIC	-	-	-	-	-	-	-	222	222	0%
NUCLEAR	-	-	-	-	-	-	-	41,726	41,726	1%
GEO.&SOLAR	-	-	-	-	-	-	-	83	83	0%
TOTAL SUPPLY	-	-	-	-	103,383	13,526	2,644,846	42,031	2,803,786	
NET IMPORTS OF REGION	747	-1,162	-49,769	-17,948	138,569	43,498	-2,074,677	-168,114	-2,128,858	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.21%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 56 TERRE HAUTE INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,696	1,840	-	3,505	-	11,448	80	6,086	32,655	17%
INDUSTRIAL	3,611	1,679	-	4,000	-	3,302	4,919	6,016	23,527	12%
TRANSPORTATION	4,067	109	21,778	5,380	-	321	-	3	31,658	16%
MISCELLANEOUS USES	530	281	-	11	-	231	-	110	1,163	1%
TOTAL FINAL DEMAND SECTORS	17,904	3,909	21,778	12,896	-	15,302	4,999	12,215	89,003	46%
TRANSFORMATION										
ELECTRICITY GEN.	1,278	-	-	-	-	133	125,162	-45,095	81,478	42%
PETROLEUM PRODUCTS	-98,996	-39,651	-203,635	-89,495	425,026	9,444	-	-	2,693	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-97,718	-39,651	-203,635	-89,495	425,026	9,577	125,162	-45,095	84,171	43%
TOTAL GROSS FLOWS	19,182	3,909	21,778	12,896	425,026	24,879	130,161	12,215	173,174	89%
LOSSES & OMISSIONS	1,193	0	0	-508	17,632	-672	1,761	1,013	20,420	11%
TOTAL NET USAGE	-78,620	-35,741	-181,856	-77,107	442,658	24,207	131,922	-31,866	193,595	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	10,631	119	304,718	-	315,468	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	38	38	0%
TOTAL SUPPLY	-	-	-	-	10,631	119	304,718	61	315,529	
NET IMPORTS OF REGION	-78,620	-35,741	-181,856	-77,107	432,027	24,088	-172,795	-31,927	-121,933	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.37%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 57 SPRINGFIELD ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,112	3,379	-	6,113	-	27,080	124	10,319	61,127	26%
INDUSTRIAL	7,330	2,341	-	4,787	-	5,013	13,722	11,711	44,904	19%
TRANSPORTATION	6,104	49	34,495	816	-	353	-	61	41,878	17%
MISCELLANEOUS USES	1,033	549	-	22	-	448	1	218	2,271	1%
TOTAL FINAL DEMAND SECTORS	28,579	6,318	34,495	11,738	-	32,894	13,847	22,309	150,180	63%
TRANSFORMATION										
ELECTRICITY GEN.	2,367	2,556	-	-	-	243	126,735	-46,897	85,004	35%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,367	2,556	-	-	-	243	126,735	-46,897	85,004	35%
TOTAL GROSS FLOWS	30,946	8,874	34,495	11,738	-	33,137	140,582	22,309	235,184	98%
LOSSES & OMISSIONS	1,926	0	0	-462	-	-895	1,902	1,851	4,322	2%
TOTAL NET USAGE	32,872	8,874	34,495	11,275	-	32,241	142,484	-22,736	239,506	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,588	-	145,664	-	149,252	81%
HYDROELECTRIC	-	-	-	-	-	-	-	44	44	0%
NUCLEAR	-	-	-	-	-	-	-	35,080	35,080	19%
GEO.&SOLAR	-	-	-	-	-	-	-	69	69	0%
TOTAL SUPPLY	-	-	-	-	3,588	-	145,664	35,193	184,445	
NET IMPORTS OF REGION	32,872	8,374	34,495	11,275	-3,588	32,241	-3,179	-57,929	55,061	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.45%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 58 CHAMPAIGN-URBANA ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,460	2,944	-	4,687	-	21,233	97	8,416	48,837	41%
INDUSTRIAL	4,115	1,520	-	4,111	-	2,806	6,791	7,345	26,688	23%
TRANSPORTATION	2,382	13	26,355	532	-	232	-	11	29,525	25%
MISCELLANEOUS USES	810	430	-	19	-	460	-	239	1,958	2%
TOTAL FINAL DEMAND SECTORS	18,767	4,907	26,355	9,349	-	24,731	6,888	16,011	107,008	90%
TRANSFORMATION										
ELECTRICITY GEN.	1,632	-	-	-	-	175	13,011	-5,280	9,538	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,532	-	-	-	-	175	13,011	-5,280	9,538	8%
TOTAL GROSS FLOWS	20,399	4,907	26,355	9,349	-	24,906	19,899	16,011	116,546	98%
LOSSES & OMISSIONS	1,269	0	0	-368	-	-673	259	1,328	1,825	2%
TOTAL NET USAGE	21,568	4,907	26,355	8,980	-	24,232	20,158	12,059	118,371	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,898	10,605	65,574	-	82,077	100%
HYDROELECTRIC	-	-	-	-	-	-	-	31	31	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	49	49	0%
TOTAL SUPPLY	-	-	-	-	5,898	10,605	65,574	80	82,157	
NET IMPORTS OF REGION	21,568	4,907	26,355	8,980	-5,898	13,627	-45,405	11,979	36,214	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.37%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 59 LAFAYETTE-WEST LAFAYETTE INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,972	1,954	-	3,405	-	10,780	79	6,193	32,383	35%
INDUSTRIAL	3,358	3,735	-	5,152	-	2,219	5,754	5,877	26,145	28%
TRANSPORTATION	3,632	56	21,390	3,264	-	151	-	1	28,504	31%
MISCELLANEOUS USES	354	137	-	7	-	157	-	71	776	1%
TOTAL FINAL DEMAND SECTORS	17,316	5,992	21,390	11,828	-	13,307	5,833	12,142	87,808	95%
TRANSFORMATION										
ELECTRICITY GEN.	1,235	210	-	-	-	132	3,369	-1,756	3,190	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,235	210	-	-	-	132	3,369	-1,756	3,190	3%
TOTAL GROSS FLOWS	18,551	6,202	21,390	11,828	-	13,439	9,202	12,142	90,998	98%
LOSSES & OMISSIONS	1,154	0	0	-466	-	-363	124	1,007	1,457	2%
TOTAL NET USAGE	19,705	6,202	21,390	11,361	-	13,075	9,326	11,393	92,455	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	1,636	-	1,636	93%
HYDROELECTRIC	-	-	-	-	-	-	-	90	90	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	37	37	2%
TOTAL SUPPLY	-	-	-	-	-	-	1,636	127	1,763	
NET IMPORTS OF REGION	19,705	6,202	21,390	11,361	-	13,075	7,690	11,266	90,692	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.50%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 60 INDIANAPOLIS INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	65,664	12,717	-	22,581	-	71,151	539	40,738	213,390	31%
INDUSTRIAL	18,595	18,987	-	48,813	-	21,061	51,607	33,179	192,242	28%
TRANSPORTATION	29,421	576	141,871	28,405	-	1,316	-	25	201,615	29%
MISCELLANEOUS USES	2,756	1,463	-	60	-	1,255	3	535	6,072	1%
TOTAL FINAL DEMAND SECTORS	116,436	33,743	141,871	99,859	-	94,783	52,150	74,477	613,319	89%
TRANSFORMATION										
ELECTRICITY GEN.	7,567	1,783	-	-	-	812	65,876	-27,030	49,008	7%
PETROLEUM PRODUCTS	-16,245	-6,506	-33,417	-14,686	69,747	1,549	-	-	442	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	313,510	-	-282,800	-	-	30,710	4%
NET FUEL USED IN TRANSFORMATION	-8,678	-4,723	-33,417	298,824	69,747	-280,433	65,876	-27,030	80,160	12%
TOTAL GROSS FLOWS	124,003	35,526	141,871	413,369	69,747	97,144	118,026	74,477	693,479	100%
LOSSES & EMISSIONS	7,718	0	0	-16,305	2,893	-2,625	1,597	6,179	-539	0%
TOTAL NET USAGE	115,476	29,019	108,454	382,377	72,641	-188,280	119,623	53,626	692,940	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	517	-	517	58%
HYDROELECTRIC	-	-	-	-	-	-	-	146	146	16%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	230	230	26%
TOTAL SUPPLY	-	-	-	-	-	-	517	376	893	
NET IMPORTS OF REGION	115,476	29,019	108,454	382,377	72,641	-188,280	119,106	53,250	692,047	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.45%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.80%

BEA ECONOMIC AREA 61 ANDERSON INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,370	3,161	-	6,694	-	20,383	157	11,209	59,974	27%
INDUSTRIAL	9,906	6,968	-	13,944	-	9,376	37,173	16,414	93,781	42%
TRANSPORTATION	5,879	158	42,226	7,796	-	361	-	3	56,423	25%
MISCELLANEOUS USES	433	229	-	9	-	190	-	89	950	0%
TOTAL FINAL DEMAND SECTORS	34,588	10,516	42,226	28,443	-	30,310	37,330	27,715	211,128	94%
TRANSFORMATION										
ELECTRICITY GEN.	2,795	-	-	-	-	302	14,139	-6,143	11,093	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,795	-	-	-	-	302	14,139	-6,143	11,093	5%
TOTAL GROSS FLOWS	37,383	10,516	42,226	28,443	-	30,612	51,469	27,715	222,221	99%
LOSSES & EMISSIONS	2,326	0	0	-1,121	-	-827	696	2,299	3,374	1%
TOTAL NET USAGE	39,709	10,516	42,226	27,321	-	29,784	52,165	23,871	225,595	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	11	-	-	-	11	7%
HYDROELECTRIC	-	-	-	-	-	-	-	55	55	36%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	85	85	56%
TOTAL SUPPLY	-	-	-	-	11	-	-	140	151	
NET IMPORTS OF REGION	39,709	10,516	42,226	27,321	-11	29,784	52,165	23,731	225,444	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.36%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 62 CINCINNATI OHIO-KENTUCKY-INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	20,734	1,672	-	20,733	-	93,075	418	44,228	180,860	16%
INDUSTRIAL	12,078	10,005	-	69,174	-	37,097	114,637	77,601	320,592	29%
TRANSPORTATION	29,034	203	139,911	5,990	-	1,199	-	13	176,350	16%
MISCELLANEOUS USES	2,097	1,112	-	50	-	1,049	1	523	4,832	0%
TOTAL FINAL DEMAND SECTORS	63,943	12,992	139,911	95,947	-	132,420	115,056	122,365	682,634	61%
TRANSFORMATION										
ELECTRICITY GEN.	14,007	256	-	-	-	972	622,904	-222,963	415,176	37%
PETROLEUM PRODUCTS	-21,373	-8,560	-43,964	-19,322	91,762	2,039	-	-	581	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-7,366	-8,304	-43,964	-19,322	91,762	3,011	622,904	-222,963	415,757	37%
TOTAL GROSS FLOWS	77,950	13,248	139,911	95,947	91,762	135,431	737,960	122,365	1,098,391	98%
LOSSES & EMISSIONS	4,851	0	0	-3,784	3,806	-3,659	9,988	10,153	21,357	2%
TOTAL NET USAGE	61,428	4,687	95,947	72,840	95,568	131,771	747,948	-90,444	1,119,748	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	834	834	5%
NUCLEAR	-	-	-	-	-	-	-	14,623	14,623	93%
GEO.&SOLAR	-	-	-	-	-	-	-	275	275	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	15,732	15,732	
NET IMPORTS OF REGION	61,428	4,687	95,947	72,840	95,568	131,771	747,948	-106,176	1,104,016	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.06%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 63 DAYTON OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,293	876	-	12,557	-	63,283	252	24,112	113,373	30%
INDUSTRIAL	5,898	3,297	-	12,587	-	14,320	59,268	28,985	124,355	33%
TRANSPORTATION	9,931	167	80,613	2,689	-	999	-	1	94,400	25%
MISCELLANEOUS USES	1,478	784	-	39	-	868	1	388	3,558	1%
TOTAL FINAL DEMAND SECTORS	29,600	5,124	80,613	27,872	-	79,470	59,521	53,486	335,686	90%
TRANSFORMATION										
ELECTRICITY GEN.	5,536	966	-	-	-	583	45,856	-18,832	34,109	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,536	966	-	-	-	583	45,856	-18,832	34,109	9%
TOTAL GROSS FLOWS	35,136	6,090	80,613	27,872	-	80,053	105,377	53,486	369,795	99%
LOSSES & EMISSIONS	2,186	0	0	-1,099	-	-2,163	1,426	4,437	4,789	1%
TOTAL NET USAGE	37,322	6,090	80,613	26,772	-	77,889	106,803	39,091	374,584	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17	-	-	-	17	6%
HYDROELECTRIC	-	-	-	-	-	-	-	105	105	37%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	165	165	57%
TOTAL SUPPLY	-	-	-	-	17	-	-	270	287	
NET IMPORTS OF REGION	37,322	6,090	80,613	26,772	-17	77,889	106,803	38,821	374,297	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.43%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 64 COLUMBUS OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	21,414	1,684	-	21,567	-	111,363	484	43,547	200,159	25%
INDUSTRIAL	11,525	7,254	-	46,415	-	42,849	110,870	55,802	274,715	34%
TRANSPORTATION	27,032	286	142,951	4,590	-	1,805	-	21	176,785	22%
MISCELLANEOUS USES	2,871	1,521	-	67	-	1,441	3	675	6,578	1%
TOTAL FINAL DEMAND SECTORS	62,842	10,745	142,951	72,339	-	157,458	111,357	100,045	658,237	81%
TRANSFORMATION										
ELECTRICITY GEN.	8,855	846	-	-	-	1,033	211,364	-76,962	145,136	18%
PETROLEUM PRODUCTS	-2,823	-310	-3,155	-933	7,180	39	-	-	-2	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,032	535	-3,155	-933	7,180	1,072	211,364	-76,962	145,133	18%
TOTAL GROSS FLOWS	71,697	11,591	142,951	72,339	7,180	158,530	322,721	100,045	803,373	99%
LOSSES & EMISSIONS	4,462	0	0	-2,873	297	-4,283	4,368	8,301	10,273	1%
TOTAL NET USAGE	73,336	11,281	139,796	69,032	7,478	154,246	327,089	31,384	813,644	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	37,658	29,307	353,629	-	420,594	100%
HYDROELECTRIC	-	-	-	-	-	-	-	170	170	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	268	268	0%
TOTAL SUPPLY	-	-	-	-	37,658	29,307	353,629	438	421,032	
NET IMPORTS OF REGION	73,336	11,281	139,796	69,032	-30,179	124,939	-26,539	30,946	392,612	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.35%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 65 CLARKSBURG WEST VIRGINIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,175	477	-	1,901	-	15,537	205	8,722	29,017	12%
INDUSTRIAL	2,388	894	-	660	-	12,675	13,723	16,986	47,326	19%
TRANSPORTATION	6,293	-	25,738	453	-	657	2	-	33,143	14%
MISCELLANEOUS USES	233	116	-	4	-	310	1	139	803	0%
TOTAL FINAL DEMAND SECTORS	11,089	1,487	25,738	3,018	-	29,179	13,931	25,847	110,289	45%
TRANSFORMATION										
ELECTRICITY GEN.	-	669	-	-	-	-	190,852	-63,275	128,246	53%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-	669	-	-	-	-	190,852	-63,275	128,246	53%
TOTAL GROSS FLOWS	11,089	2,156	25,738	3,018	-	29,179	204,783	25,847	238,535	98%
LOSSES & OMISSIONS	690	0	0	-119	-	-788	2,771	2,144	4,699	2%
TOTAL NET USAGE	11,779	2,156	25,738	2,898	-	28,390	207,554	-35,283	243,234	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17,953	112,302	1,072,582	-	1,202,837	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	17,953	112,302	1,072,582	-	1,202,837	
NET IMPORTS OF REGION	11,779	2,156	25,738	2,898	-17,953	-83,911	-865,027	-35,283	-959,602	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.96%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EPA ECONOMIC AREA 66 PITTSBURGH PENNSYLVANIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	69,115	10,159	-	21,047	-	99,830	544	62,217	262,912	12%
INDUSTRIAL	40,941	47,041	-	96,437	-	119,612	527,054	104,533	935,618	44%
TRANSPORTATION	33,276	8,476	207,989	19,161	-	4,966	30	1,018	274,916	13%
MISCELLANEOUS USES	1,204	605	-	22	-	1,460	5	650	3,946	0%
TOTAL FINAL DEMAND SECTORS	144,536	66,281	207,989	136,667	-	225,868	527,633	168,418	1,477,392	70%
TRANSFORMATION										
ELECTRICITY GEN.	3,663	10,966	-	-	-	144	910,586	-312,084	613,275	29%
PETROLEUM PRODUCTS	-9,603	-1,055	-10,734	-3,174	24,428	132	-	-	-7	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-5,940	9,911	-10,734	-3,174	24,428	276	910,586	-312,084	613,267	29%
TOTAL GROSS FLOWS	148,199	77,247	207,989	136,667	24,428	226,144	1,438,219	168,418	2,090,667	98%
LOSSES & EMISSIONS	9,224	1	0	-5,390	1,013	-6,110	19,467	13,974	32,180	2%
TOTAL NET USAGE	147,819	75,193	197,255	128,101	25,441	220,033	1,457,686	-129,691	2,122,840	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	28,000	103,914	3,627,922	-	3,759,836	99%
HYDROELECTRIC	-	-	-	-	-	-	-	341	341	0%
NUCLEAR	-	-	-	-	-	-	-	32,498	32,498	1%
GEO.&SOLAR	-	-	-	-	-	-	-	41	41	0%
TOTAL SUPPLY	-	-	-	-	28,000	103,914	3,627,922	32,880	3,792,716	
NET IMPORTS OF REGION	147,819	76,193	197,255	128,101	-2,558	116,119	-2,170,235	-162,571	-1,669,875	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =56.27%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS =-0.03%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 67 YOUNGSTOWN-WARREN OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,829	1,107	-	7,304	-	35,799	148	15,186	70,373	20%
INDUSTRIAL	6,692	5,148	-	24,637	-	17,744	96,470	24,935	175,626	51%
TRANSPORTATION	10,150	372	52,071	1,521	-	472	3	126	64,715	19%
MISCELLANEOUS USES	532	281	-	11	-	296	-	139	1,259	0%
TOTAL FINAL DEMAND SECTORS	28,203	6,908	52,071	33,473	-	54,311	96,621	40,386	311,973	91%
TRANSFORMATION										
ELECTRICITY GEN.	3,136	-	-	-	-	339	39,479	-14,710	28,244	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,136	-	-	-	-	339	39,479	-14,710	28,244	8%
TOTAL GROSS FLOWS	31,339	6,908	52,071	33,473	-	54,650	136,100	40,386	340,217	99%
LOSSES & EMISSIONS	1,950	0	0	-1,320	-	-1,476	1,842	3,350	4,347	1%
TOTAL NET USAGE	33,289	6,908	52,071	32,152	-	53,173	137,942	29,026	344,564	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,246	2,969	42,907	-	48,122	100%
HYDROELECTRIC	-	-	-	-	-	-	-	61	61	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	96	96	0%
TOTAL SUPPLY	-	-	-	-	2,246	2,969	42,907	157	48,279	
NET IMPORTS OF REGION	33,289	6,908	52,071	32,152	-2,246	50,204	95,035	28,869	296,285	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.75%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 68 CLEVELAND OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	44,293	3,341	-	44,851	-	226,207	901	86,449	406,042	23%
INDUSTRIAL	32,575	23,234	-	160,002	-	83,431	335,761	142,348	777,351	43%
TRANSPORTATION	49,214	641	287,831	10,339	-	3,832	1	42	351,900	20%
MISCELLANEOUS USES	3,838	2,037	-	85	-	1,730	4	828	8,522	0%
TOTAL FINAL DEMAND SECTORS	129,920	29,253	287,831	215,277	-	315,200	336,667	229,667	1,543,815	86%
TRANSFORMATION										
ELECTRICITY GEN.	23,297	2,414	-	-	-	2,504	309,766	-120,340	217,641	12%
PETROLEUM PRODUCTS	-32,191	-13,014	-66,834	-29,373	139,496	3,099	-	-	883	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-9,194	-10,600	-66,834	-29,373	139,496	5,603	309,766	-120,340	218,524	12%
TOTAL GROSS FLOWS	153,217	31,667	287,831	215,277	139,496	320,803	646,433	229,667	1,762,339	99%
LOSSES & EMISSIONS	9,536	0		-8,491	5,787	-8,663	8,750	19,056	25,971	1%
TOTAL NET USAGE	130,262	18,653	220,998	177,412	145,283	312,134	655,183	128,383	1,788,311	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	64,530	29,531	202,140	-	296,201	87%
HYDROELECTRIC	-	-	-	-	-	-	-	450	450	0%
NUCLEAR	-	-	-	-	-	-	-	43,905	43,905	13%
GEO.&SOLAR	-	-	-	-	-	-	-	708	708	0%
TOTAL SUPPLY	-	-	-	-	64,530	29,531	202,140	45,063	341,264	
NET IMPORTS OF REGION	130,262	18,653	220,998	177,412	80,753	282,603	453,043	83,320	1,447,047	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.39%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 69 LIMA OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,200	215	-	3,288	-	16,340	64	6,090	29,197	26%
INDUSTRIAL	1,637	1,728	-	5,960	-	3,703	11,007	8,964	32,999	30%
TRANSPORTATION	3,817	29	21,155	473	-	174	-	1	25,649	23%
MISCELLANEOUS USES	164	87	-	4	-	74	-	35	364	0%
TOTAL FINAL DEMAND SECTORS	8,818	2,059	21,155	9,725	-	20,291	11,071	15,090	88,209	80%
TRANSFORMATION										
ELECTRICITY GEN.	1,522	80	-	-	-	165	3,747	-1,963	3,551	3%
PETROLEUM PRODUCTS	-85,289	-34,161	-175,439	-77,103	366,176	8,136	-	-	2,320	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-83,767	-34,081	-175,439	-77,103	366,176	8,301	3,747	-1,963	5,871	5%
TOTAL GROSS FLOWS	10,340	2,139	21,155	9,725	366,176	28,592	14,818	15,090	94,080	85%
LOSSES & OMISSIONS	643	0	0	-383	15,190	-772	200	1,252	16,131	15%
TOTAL NET USAGE	-74,305	-32,021	-154,283	-67,761	381,366	27,819	15,018	14,379	110,211	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	30	30	39%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	47	47	61%
TOTAL SUPPLY	-	-	-	-	-	-	-	77	77	
NET IMPORTS OF REGION	-74,305	-32,021	-154,283	-67,761	381,366	27,819	15,018	14,302	110,134	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.40%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 70 TOLEDO OHIO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	15,184	876	-	12,751	-	61,467	230	23,198	113,706	21%
INDUSTRIAL	7,643	7,689	-	26,317	-	14,710	60,341	29,923	146,623	27%
TRANSPORTATION	16,506	168	81,146	2,307	-	856	-	19	101,002	18%
MISCELLANEOUS USES	605	321	-	13	-	275	-	132	1,346	0%
TOTAL FINAL DEMAND SECTORS	39,938	9,054	81,146	41,388	-	77,308	60,571	53,272	362,677	66%
TRANSFORMATION										
ELECTRICITY GEN.	5,506	1,187	-	-	-	581	219,123	-80,619	145,778	27%
PETROLEUM PRODUCTS	-160,256	-64,189	-329,648	-144,876	688,041	15,288	-	-	4,360	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-154,750	-63,002	-329,648	-144,876	688,041	15,869	219,123	-80,619	150,138	27%
TOTAL GROSS FLOWS	45,444	10,241	81,146	41,388	688,041	93,177	279,694	53,272	512,815	94%
LOSSES & OMISSIONS	2,828	0	0	-1,632	28,543	-2,517	3,785	4,420	35,428	6%
TOTAL NET USAGE	-111,933	-53,947	-248,501	-105,120	716,584	90,659	283,479	-22,926	548,244	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	50	-	-	-	50	0%
HYDROELECTRIC	-	-	-	-	-	-	-	104	104	0%
NUCLEAR	-	-	-	-	-	-	-	86,942	86,942	100%
GEO.&SOLAR	-	-	-	-	-	-	-	164	164	0%
TOTAL SUPPLY	-	-	-	-	50	-	-	87,210	87,260	
NET IMPORTS OF REGION	-111,933	-53,947	-248,501	-105,120	716,534	90,659	283,479	-110,136	460,984	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.39%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 71 DETROIT MICHIGAN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	137,227	7,135	-	67,966	-	292,428	776	114,744	620,277	32%
INDUSTRIAL	24,642	23,377	-	107,572	-	57,622	262,899	115,784	591,896	31%
TRANSPORTATION	39,539	1,907	415,763	19,310	-	7,615	1	-	484,135	25%
MISCELLANEOUS USES	6,011	3,191	-	134	-	2,744	6	1,276	13,362	1%
TOTAL FINAL DEMAND SECTORS	207,419	35,611	415,763	194,982	-	360,409	263,682	231,804	1,709,670	89%
TRANSFORMATION										
ELECTRICITY GEN.	23,635	14,472	-	-	-	3,726	254,169	-104,770	191,232	10%
PETROLEUM PRODUCTS	-32,999	-13,217	-67,878	-29,832	141,675	3,148	-	-	897	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-9,364	1,255	-67,878	-29,832	141,675	6,874	254,169	-104,770	192,129	10%
TOTAL GROSS FLOWS	231,054	50,083	415,763	194,982	141,675	367,283	517,851	231,804	1,901,799	99%
LOSSES & OMISSIONS	14,381	1	1	-7,690	5,877	-9,924	7,009	19,233	28,889	1%
TOTAL NET USAGE	212,436	36,867	347,886	157,459	147,552	357,358	524,860	146,267	1,930,688	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	9,972	8,782	-	-	18,754	44%
HYDROELECTRIC	-	-	-	-	-	-	-	454	454	1%
NUCLEAR	-	-	-	-	-	-	-	22,303	22,303	53%
GEO.&SOLAR	-	-	-	-	-	-	-	715	715	2%
TOTAL SUPPLY	-	-	-	-	9,972	8,782	-	23,472	42,226	
NET IMPORTS OF REGION	212,436	36,867	347,886	157,459	137,580	348,576	524,860	122,795	1,888,462	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.60%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 72 SAGINAW MICHIGAN 1990

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	25,356	1,168	-	12,673	-	52,962	143	20,102	112,404	20%
INDUSTRIAL	8,533	52,160	-	90,230	-	11,901	67,507	60,770	291,101	52%
TRANSPORTATION	5,338	214	77,784	1,876	-	738	-	-	85,950	15%
MISCELLANEOUS USES	1,142	606	-	29	-	698	1	262	2,738	0%
TOTAL FINAL DEMAND SECTORS	40,369	54,148	77,784	104,808	-	66,299	67,651	81,134	492,193	88%
TRANSFORMATION										
ELECTRICITY GEN.	8,255	9,531	-	-	-	1,144	57,274	-26,761	49,443	9%
PETROLEUM PRODUCTS	-45,132	-18,077	-92,836	-40,800	193,768	4,305	-	-	1,228	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-36,877	-8,546	-92,836	-40,800	193,768	5,449	57,274	-26,761	50,671	9%
TOTAL GROSS FLOWS	48,624	63,679	77,784	104,808	193,768	71,748	124,925	81,134	542,864	98%
LOSSES & OMISSIONS	3,026	1	0	-4,134	8,038	-1,938	1,690	6,732	13,416	2%
TOTAL NET USAGE	6,518	45,603	-15,051	59,873	201,806	69,809	126,615	61,105	556,281	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	50,425	7,118	-	-	57,543	70%
HYDROELECTRIC	-	-	-	-	-	-	-	1,193	1,193	1%
NUCLEAR	-	-	-	-	-	-	-	23,466	23,466	28%
GEO. &SOLAR	-	-	-	-	-	-	-	250	250	0%
TOTAL SUPPLY	-	-	-	-	50,425	7,118	-	24,909	82,452	
NET IMPORTS OF REGION	6,518	45,603	-15,051	59,873	151,381	62,691	126,615	36,196	473,829	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.88%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 73 GRAND RAPIDS MICHIGAN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	34,507	1,646	-	17,209	-	72,669	194	27,946	154,171	28%
INDUSTRIAL	9,427	7,139	-	36,951	-	18,059	78,310	31,764	181,650	34%
TRANSPORTATION	10,266	313	105,491	2,861	-	1,124	-	-	120,055	22%
MISCELLANEOUS USES	1,382	734	-	31	-	626	1	293	3,067	1%
TOTAL FINAL DEMAND SECTORS	55,582	9,832	105,491	57,052	-	92,478	78,505	60,003	458,943	85%
TRANSFORMATION										
ELECTRICITY GEN.	6,093	193	-	-	-	1,634	109,161	-41,580	75,501	14%
PETROLEUM PRODUCTS	-3,147	-1,260	-6,474	-2,845	13,513	300	-	-	85	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,945	-1,067	-6,474	-2,845	13,513	1,934	109,161	-41,580	75,586	14%
TOTAL GROSS FLOWS	61,675	10,025	105,491	57,052	13,513	94,412	187,666	60,003	534,529	99%
LOSSES & EMISSIONS	3,838	0	0	-2,250	560	-2,551	2,540	4,978	7,117	1%
TOTAL NET USAGE	62,366	8,764	99,016	51,956	14,074	91,861	190,206	23,401	541,647	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	43,336	30,600	-	-	73,936	91%
HYDROELECTRIC	-	-	-	-	-	-	-	5,725	5,725	7%
NUCLEAR	-	-	-	-	-	-	-	1,311	1,311	2%
GEO.&SOLAR	-	-	-	-	-	-	-	185	185	0%
TOTAL SUPPLY	-	-	-	-	43,336	30,600	-	7,221	81,157	
NET IMPORTS OF REGION	62,366	8,764	99,016	51,956	-29,261	61,261	190,206	16,180	460,490	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.49%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 74 LANSING MICHIGAN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	29,516	1,424	-	14,720	-	62,864	165	24,376	133,065	33%
INDUSTRIAL	7,676	7,785	-	21,268	-	15,024	54,580	27,209	133,542	33%
TRANSPORTATION	5,715	248	90,124	2,009	-	791	-	-	98,887	24%
MISCELLANEOUS USES	1,989	1,056	-	43	-	879	2	419	4,388	1%
TOTAL FINAL DEMAND SECTORS	44,896	10,513	90,124	38,040	-	79,558	54,747	52,004	369,882	91%
TRANSFORMATION										
ELECTRICITY GEN.	5,251	909	-	-	-	774	39,974	-16,653	30,255	7%
PETROLEUM PRODUCTS	-3,655	-1,464	-7,518	-3,304	15,693	348	-	-	99	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,595	-555	-7,518	-3,304	15,693	1,122	39,974	-16,653	30,354	7%
TOTAL GROSS FLOWS	50,147	11,422	90,124	38,040	15,693	80,680	94,721	52,004	400,236	99%
LOSSES & OMISSIONS	3,121	0	0	-1,500	651	-2,180	1,282	4,314	5,689	1%
TOTAL NET USAGE	49,613	9,958	82,605	33,235	16,344	78,500	96,003	39,665	405,925	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	44,064	19,647	-	-	63,711	83%
HYDROELECTRIC	-	-	-	-	-	-	-	159	159	0%
NUCLEAR	-	-	-	-	-	-	-	12,666	12,666	17%
GEO.&SOLAR	-	-	-	-	-	-	-	160	160	0%
TOTAL SUPPLY	-	-	-	-	44,064	19,647	-	12,985	76,696	
NET IMPORTS OF REGION	49,613	9,958	82,605	33,235	-27,719	58,853	96,003	26,680	329,229	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.50%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 75 FORT WAYNE INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,723	4,485	-	8,341	-	28,645	196	15,529	79,919	28%
INDUSTRIAL	10,609	8,147	-	15,967	-	11,698	44,606	20,012	111,039	39%
TRANSPORTATION	14,374	177	52,504	8,530	-	428	-	8	76,021	27%
MISCELLANEOUS USES	622	331	-	13	-	271	-	129	1,366	0%
TOTAL FINAL DEMAND SECTORS	48,328	13,140	52,504	32,851	-	41,042	44,802	35,678	268,345	95%
TRANSFORMATION										
ELECTRICITY GEN.	3,676	170	-	-	-	389	6,796	-3,927	7,104	3%
PETROLEUM PRODUCTS	-12,222	-4,895	-25,141	-11,049	52,474	1,166	-	-	333	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-8,546	-4,725	-25,141	-11,049	52,474	1,555	6,796	-3,927	7,437	3%
TOTAL GROSS FLOWS	52,004	13,310	52,504	32,851	52,474	42,597	51,598	35,678	275,782	98%
LOSSES & OMISSIONS	3,236	0	0	-1,295	2,176	-1,151	698	2,960	6,626	2%
TOTAL NET USAGE	43,018	8,414	27,363	20,506	54,651	41,445	52,296	34,711	282,408	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6	-	-	-	6	3%
HYDROELECTRIC	-	-	-	-	-	-	-	77	77	40%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	110	110	57%
TOTAL SUPPLY	-	-	-	-	6	-	-	187	193	
NET IMPORTS OF REGION	43,018	8,414	27,363	20,506	54,645	41,445	52,296	34,524	282,215	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.40%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 76 SOUTH BEND INDIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	25,252	3,583	-	10,019	-	33,954	195	16,270	89,273	29%
INDUSTRIAL	9,734	7,696	-	28,248	-	13,521	40,931	22,407	122,537	40%
TRANSPORTATION	7,173	215	62,675	8,546	-	558	-	3	79,166	26%
MISCELLANEOUS USES	509	270	-	11	-	227	-	105	1,122	0%
TOTAL FINAL DEMAND SECTORS	42,668	11,764	62,675	46,824	-	48,256	41,126	38,785	292,098	96%
TRANSFORMATION										
ELECTRICITY GEN.	3,917	1,335	-	-	-	423	7,388	-4,606	8,457	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,917	1,335	-	-	-	423	7,388	-4,606	8,457	3%
TOTAL GROSS FLOWS	46,585	13,099	62,675	46,824	-	48,679	48,514	38,785	300,555	99%
LOSSES & OMISSIONS	2,899	0	0	-1,846	-	-1,315	656	3,218	3,612	1%
TOTAL NET USAGE	49,484	13,099	62,675	44,977	-	47,353	49,170	37,397	304,167	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	410	410	1%
NUCLEAR	-	-	-	-	-	-	-	38,772	38,772	99%
GEO.&SOLAR	-	-	-	-	-	-	-	119	119	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	39,301	39,301	
NET IMPORTS OF REGION	49,484	13,099	62,675	44,977	-	47,353	49,170	-1,903	264,866	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.74%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 77 CHICAGO ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	244,217	60,632	-	97,990	-	429,145	2,064	176,266	1,010,314	27%
INDUSTRIAL	114,532	121,142	-	432,022	-	142,743	462,849	196,073	1,469,361	39%
TRANSPORTATION	105,609	1,766	558,174	97,766	-	33,953	2	653	797,923	21%
MISCELLANEOUS USES	10,301	5,466	-	227	-	4,844	9	2,396	23,243	1%
TOTAL FINAL DEMAND SECTORS	474,659	189,006	558,174	628,005	-	610,685	464,924	375,388	3,300,841	88%
TRANSFORMATION										
ELECTRICITY GEN.	38,744	17,869	-	-	-	4,272	433,195	-175,366	318,714	8%
PETROLEUM PRODUCTS	-494,725	-198,156	-1,017,651	-447,245	2,124,041	47,197	-	-	13,461	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-455,981	-180,287	-1,017,651	-447,245	2,124,041	51,469	433,195	-175,366	332,175	9%
TOTAL GROSS FLOWS	513,403	206,875	558,174	628,005	2,124,041	662,154	898,119	375,388	3,633,016	97%
LOSSES & OMISSIONS	31,955	4	2	-24,771	88,116	-17,892	12,156	31,147	120,719	3%
TOTAL NET USAGE	50,633	8,723	-459,474	155,988	2,212,157	644,261	910,275	231,169	3,753,735	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	9,800	-	9,800	6%
HYDROELECTRIC	-	-	-	-	-	-	-	910	910	1%
NUCLEAR	-	-	-	-	-	-	-	161,404	161,404	93%
GEO.&SOLAR	-	-	-	-	-	-	-	1,157	1,157	1%
TOTAL SUPPLY	-	-	-	-	-	-	9,800	163,471	173,271	
NET IMPORTS OF REGION	50,633	8,723	-459,474	155,988	2,212,157	644,261	900,475	67,698	3,580,464	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.51%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 78 PEORIA ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	21.391	5,694	-	8,464	-	38,828	175	15,782	90,334	27%
INDUSTRIAL	7,069	2,862	-	8,802	-	5,818	20,729	12,831	58,111	18%
TRANSPORTATION	7,370	60	47,499	1,114	-	433	-	74	56,600	17%
MISCELLANEOUS USES	827	439	-	18	-	351	1	175	1,821	1%
TOTAL FINAL DEMAND SECTORS	36,657	9,055	47,499	18,398	-	45,490	20,905	28,862	206,866	62%
TRANSFORMATION										
ELECTRICITY GEN.	2,918	-	-	-	-	363	181,551	-65,844	118,988	36%
PETROLEUM PRODUCTS	-507	-203	-1,044	-458	2,179	48	-	-	13	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,410	-203	-1,044	-458	2,179	411	181,551	-65,844	119,001	36%
TOTAL GROSS FLOWS	39,575	9,055	47,499	18,398	2,179	45,901	202,456	28,862	325,867	98%
LOSSES & OMISSIONS	2,463	0	0	-725	90	-1,240	2,740	2,394	5,723	2%
TOTAL NET USAGE	41,530	8,851	46,454	17,213	2,270	44,661	205,196	-34,587	331,591	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	181	-	197,232	-	197,413	100%
HYDROELECTRIC	-	-	-	-	-	-	-	57	57	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	89	89	0%
TOTAL SUPPLY	-	-	-	-	181	-	197,232	146	197,559	
NET IMPORTS OF REGION	41,530	8,851	46,454	17,213	2,089	44,661	7,964	-34,733	134,032	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.38%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.52%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 79 DAVENPORT-ROCK ISLAND-MOLINE IOWA-ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,093	2,495	-	9,319	-	31,167	100	13,986	71,160	22%
INDUSTRIAL	10,417	7,557	-	42,310	-	19,434	41,213	19,286	140,317	44%
TRANSPORTATION	8,812	31	47,614	1,015	-	407	-	36	57,915	18%
MISCELLANEOUS USES	1,421	525	-	37	-	505	1	261	2,750	1%
TOTAL FINAL DEMAND SECTORS	34,743	10,708	47,614	52,681	-	51,513	41,314	33,569	272,142	85%
TRANSFORMATION										
ELECTRICITY GEN.	2,296	659	-	-	-	189	59,595	-16,438	46,301	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,296	659	-	-	-	189	59,595	-16,438	46,301	14%
TOTAL GROSS FLOWS	37,039	11,367	47,614	52,681	-	51,702	100,909	33,569	318,443	99%
LOSSES & EMISSIONS	2,305	0	0	-2,077	-	-1,397	1,365	2,785	2,982	1%
TOTAL NET USAGE	39,344	11,367	47,614	50,603	-	50,304	102,274	19,916	321,425	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	317	-	317	1%
HYDROELECTRIC	-	-	-	-	-	-	-	84	84	0%
NUCLEAR	-	-	-	-	-	-	-	49,813	49,813	99%
GEO.&SOLAR	-	-	-	-	-	-	-	53	53	0%
TOTAL SUPPLY	-	-	-	-	-	-	317	49,950	50,267	
NET IMPORTS OF REGION	39,344	11,367	47,614	50,603	-	50,304	101,957	-30,033	271,158	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =73.80%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 80 CEDAR RAPIDS IOWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,382	95	-	6,649	-	16,088	16	9,021	37,251	30%
INDUSTRIAL	4,623	1,646	-	4,636	-	3,477	7,612	7,642	29,636	24%
TRANSPORTATION	4,220	-	30,782	463	-	159	-	-	35,624	29%
MISCELLANEOUS USES	637	119	-	21	-	163	-	94	1,034	1%
TOTAL FINAL DEMAND SECTORS	14,862	1,860	30,782	11,769	-	19,887	7,628	16,757	103,545	84%
TRANSFORMATION										
ELECTRICITY GEN.	455	-	-	-	-	-	23,793	-6,147	18,101	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	455	-	-	-	-	-	23,793	-6,147	18,101	15%
TOTAL GROSS FLOWS	15,317	1,860	30,782	11,769	-	19,887	31,421	16,757	121,646	99%
LOSSES & OMISSIONS	953	0	0	-464	-	-537	425	1,390	1,767	1%
TOTAL NET USAGE	16,270	1,860	30,782	11,304	-	19,349	31,846	12,000	123,413	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	7,688	7,688	100%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	7,688	7,688	
NET IMPORTS OF REGION	16,270	1,860	30,782	11,304	-	19,349	31,846	4,312	115,725	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 81 DUBUQUE IOWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,425	268	-	5,397	-	13,343	41	7,205	32,679	30%
INDUSTRIAL	4,287	1,153	-	3,296	-	2,792	6,065	8,900	26,493	24%
TRANSPORTATION	3,111	3	26,331	1,042	-	447	-	1	30,935	28%
MISCELLANEOUS USES	294	85	-	9	-	93	-	49	530	0%
TOTAL FINAL DEMAND SECTORS	14,117	1,509	26,331	9,744	-	16,675	6,106	16,155	90,637	83%
TRANSFORMATION										
ELECTRICITY GEN.	754	-	-	-	-	56	23,342	-7,555	16,597	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	754	-	-	-	-	56	23,342	-7,555	16,597	15%
TOTAL GROSS FLOWS	14,871	1,509	26,331	9,744	-	16,731	29,448	16,155	107,234	98%
LOSSES & OMISSIONS	925	0	0	-384	-	-452	398	1,340	1,828	2%
TOTAL NET USAGE	15,796	1,509	26,331	9,359	-	16,278	29,846	9,940	109,062	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	35	35	70%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	15	15	30%
TOTAL SUPPLY	-	-	-	-	-	-	-	50	50	
NET IMPORTS OF REGION	15,796	1,509	26,331	9,359	-	16,278	29,846	9,890	109,012	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.72%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 82 ROCKFORD ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	16,148	2,945	-	6,864	-	26,550	108	11,471	64,126	36%
INDUSTRIAL	6,432	2,984	-	5,229	-	6,068	13,373	13,728	47,754	27%
TRANSPORTATION	4,689	13	38,311	835	-	389	-	4	44,241	25%
MISCELLANEOUS USES	517	274	-	12	-	224	-	109	1,136	1%
TOTAL FINAL DEMAND SECTORS	27,786	6,216	38,311	12,940	-	33,231	13,461	25,312	157,257	89%
TRANSFORMATION										
ELECTRICITY GEN.	4,377	369	-	-	-	276	19,925	-8,903	16,044	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,377	369	-	-	-	276	19,925	-8,903	16,044	9%
TOTAL GROSS FLOWS	32,163	6,585	38,311	12,940	-	33,507	33,386	25,312	173,301	98%
LOSSES & OMISSIONS	2,001	0	0	-510	-	-905	451	2,100	3,138	2%
TOTAL NET USAGE	34,164	6,585	38,311	12,429	-	32,601	33,837	18,509	176,439	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	140	140	0%
NUCLEAR	-	-	-	-	-	-	-	74,590	74,590	100%
GEO.&SOLAR	-	-	-	-	-	-	-	78	78	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	74,808	74,808	
NET IMPORTS OF REGION	34,164	6,585	38,311	12,429	-	32,601	33,837	-56,298	101,631	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.31%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 83 MADISON WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,758	952	-	7,902	-	21,058	194	13,598	62,462	40%
INDUSTRIAL	3,418	1,348	-	5,643	-	3,930	8,794	9,050	32,183	20%
TRANSPORTATION	3,073	13	42,829	1,025	-	620	-	-	47,560	30%
MISCELLANEOUS USES	1,299	689	-	28	-	566	1	273	2,856	2%
TOTAL FINAL DEMAND SECTORS	26,548	3,002	42,829	14,598	-	26,174	8,989	22,921	145,061	92%
TRANSFORMATION										
ELECTRICITY GEN.	2,342	102	-	-	-	970	12,078	-5,423	10,069	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,342	102	-	-	-	970	12,078	-5,423	10,069	6%
TOTAL GROSS FLOWS	28,890	3,104	42,829	14,598	-	27,144	21,067	22,921	155,130	98%
LOSSES & OMISSIONS	1,798	0	0	-575	-	-733	285	1,901	2,676	2%
TOTAL NET USAGE	30,688	3,104	42,829	14,022	-	26,410	21,352	19,399	157,806	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	665	665	90%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	71	71	10%
TOTAL SUPPLY	-	-	-	-	-	-	-	736	736	
NET IMPORTS OF REGION	30,688	3,104	42,829	14,022	-	26,410	21,352	18,663	157,070	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 84 MILWAUKEE WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	69,452	2,903	-	29,695	-	76,934	730	48,096	227,810	28%
INDUSTRIAL	14,458	7,898	-	53,089	-	22,653	91,102	38,955	228,155	28%
TRANSPORTATION	21,116	140	161,541	3,034	-	1,816	-	-	187,647	23%
MISCELLANEOUS USES	2,026	1,075	-	45	-	397	2	427	4,472	1%
TOTAL FINAL DEMAND SECTORS	107,052	12,016	161,541	85,863	-	102,300	91,834	87,478	648,084	81%
TRANSFORMATION										
ELECTRICITY GEN.	9,120	-	-	-	-	1,035	208,248	-77,810	140,593	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	9,120	-	-	-	-	1,035	208,248	-77,810	140,593	18%
TOTAL GROSS FLOWS	116,172	12,016	161,541	85,863	-	103,335	300,082	87,478	788,677	98%
LOSSES & EMISSIONS	7,230	0	0	-3,386	-	-2,792	4,061	7,258	12,373	2%
TOTAL NET USAGE	123,402	12,016	161,541	82,476	-	100,542	304,143	16,926	801,050	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	171	171	39%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	270	270	61%
TOTAL SUPPLY	-	-	-	-	-	-	-	441	441	
NET IMPORTS OF REGION	123,402	12,016	161,541	82,476	-	100,542	304,143	16,485	800,609	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.37%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 85 APPLETON-OSHKOSH WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	31,434	1,242	-	13,948	-	40,557	298	21,630	109,109	26%
INDUSTRIAL	9,517	6,970	-	11,603	-	15,169	90,157	39,870	173,286	41%
TRANSPORTATION	7,534	159	78,228	2,330	-	1,201	-	-	89,452	21%
MISCELLANEOUS USES	960	510	-	23	-	530	-	214	2,237	1%
TOTAL FINAL DEMAND SECTORS	49,445	8,881	78,228	27,904	-	57,457	90,455	61,714	374,084	88%
TRANSFORMATION										
ELECTRICITY GEN.	6,369	369	-	-	-	699	56,911	-22,916	41,432	10%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	6,369	369	-	-	-	699	56,911	-22,916	41,432	10%
TOTAL GROSS FLOWS	55,814	9,250	78,228	27,904	-	58,156	147,366	61,714	415,516	98%
LOSSES & OMISSIONS	3,474	0	0	-1,100	-	-1,571	1,994	5,120	7,917	2%
TOTAL NET USAGE	59,288	9,250	78,228	26,803	-	56,584	149,360	43,918	423,433	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,702	1,702	6%
NUCLEAR	-	-	-	-	-	-	-	27,953	27,953	94%
GEO.&SOLAR	-	-	-	-	-	-	-	191	191	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	29,846	29,846	
NET IMPORTS OF REGION	59,288	9,250	78,228	26,803	-	56,584	149,360	14,072	393,587	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.39%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 86 WAUSAU WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,214	614	-	6,052	-	15,551	147	9,624	46,202	26%
INDUSTRIAL	3,254	3,279	-	1,500	-	4,751	24,884	14,930	51,598	29%
TRANSPORTATION	4,575	31	32,962	1,794	-	1,036	-	-	40,448	23%
MISCELLANEOUS USES	562	298	-	12	-	245	-	118	1,235	1%
TOTAL FINAL DEMAND SECTORS	22,605	3,222	32,962	9,358	-	21,633	25,031	24,672	139,483	78%
TRANSFORMATION										
ELECTRICITY GEN.	2,539	-	-	-	-	291	52,785	-19,813	35,802	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,539	-	-	-	-	291	52,785	-19,813	35,802	20%
TOTAL GROSS FLOWS	25,144	3,222	32,962	9,358	-	21,924	77,816	24,672	175,285	98%
LOSSES & OMISSIONS	1,565	0	0	-369	-	-592	1,053	2,047	3,704	2%
TOTAL NET USAGE	26,709	3,222	32,962	8,988	-	21,331	78,869	6,906	178,989	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	506	506	87%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	76	76	13%
TOTAL SUPPLY	-	-	-	-	-	-	-	582	582	
NET IMPORTS OF REGION	26,709	3,222	32,962	8,988	-	21,331	78,869	6,324	178,407	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.37%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 87 DULUTH-SUPERIOR MINNESOTA-WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,228	591	-	5,141	-	13,890	69	7,196	39,115	21%
INDUSTRIAL	11,844	6,296	-	5,313	-	6,104	14,754	13,856	58,167	31%
TRANSPORTATION	2,654	134	31,188	2,777	-	1,196	-	-	37,949	20%
MISCELLANEOUS USES	420	223	-	11	-	212	-	94	960	1%
TOTAL FINAL DEMAND SECTORS	27,146	7,244	31,188	13,242	-	21,402	14,823	21,146	136,191	72%
TRANSFORMATION										
ELECTRICITY GEN.	2,256	1,471	-	-	-	230	61,257	-23,180	42,034	22%
PETROLEUM PRODUCTS	-34,978	-14,010	-71,951	-31,621	150,175	3,337	-	-	952	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-32,722	-12,539	-71,951	-31,621	150,175	3,567	61,257	-23,180	42,986	23%
TOTAL GROSS FLOWS	29,402	8,715	31,188	13,242	150,175	24,969	76,080	21,146	179,177	95%
LOSSES & OMISSIONS	1,830	0	0	-522	6,230	-674	1,029	1,754	9,647	5%
TOTAL NET USAGE	-3,745	-5,295	-40,762	-18,901	156,405	24,294	77,109	-279	188,825	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,158	1,158	95%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	65	65	5%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,223	1,223	
NET IMPORTS OF REGION	-3,745	-5,295	-40,762	-18,901	156,405	24,294	77,109	-1,502	187,602	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.46%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 88 EAU CLAIRE WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,087	459	-	4,282	-	11,145	104	7,004	33,081	42%
INDUSTRIAL	1,431	486	-	897	-	1,258	2,704	4,340	11,116	14%
TRANSPORTATION	2,236	21	23,281	1,503	-	912	-	-	27,953	35%
MISCELLANEOUS USES	504	267	-	11	-	219	-	106	1,107	1%
TOTAL FINAL DEMAND SECTORS	14,258	1,233	23,281	6,693	-	13,534	2,808	11,450	73,257	93%
TRANSFORMATION										
ELECTRICITY GEN.	4,033	-	-	-	-	125	2,181	-2,303	4,036	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,033	-	-	-	-	125	2,181	-2,303	4,036	5%
TOTAL GROSS FLOWS	18,291	1,233	23,281	6,693	-	13,659	4,989	11,450	77,293	98%
LOSSES & OMISSIONS	1,138	0	0	-264	-	-369	67	950	1,523	2%
TOTAL NET USAGE	19,429	1,233	23,281	6,428	-	13,289	5,055	10,097	78,816	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,810	1,810	8%
NUCLEAR	-	-	-	-	-	-	-	21,232	21,232	92%
GEO.&SOLAR	-	-	-	-	-	-	-	35	35	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	23,077	23,077	
NET IMPORTS OF REGION	19,429	1,233	23,281	6,428	-	13,289	5,055	-12,979	55,739	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =63.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 89 LA CROSSE WISCONSIN 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,098	456	-	4,266	-	11,016	89	6,543	32,468	28%
INDUSTRIAL	3,011	1,160	-	1,912	-	1,797	4,529	6,189	18,598	16%
TRANSPORTATION	2,083	41	23,993	1,442	-	778	-	-	28,337	25%
MISCELLANEOUS USES	528	281	-	11	-	235	-	111	1,166	1%
TOTAL FINAL DEMAND SECTORS	15,720	1,938	23,993	7,631	-	13,826	4,618	12,843	80,569	70%
TRANSFORMATION										
ELECTRICITY GEN.	2,240	68	-	-	-	140	46,674	-17,514	31,608	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,240	68	-	-	-	140	46,674	-17,514	31,608	28%
TOTAL GROSS FLOWS	17,960	2,006	23,993	7,631	-	13,966	51,292	12,843	112,177	98%
LOSSES & OMISSIONS	1,117	0	0	-300	-	-377	694	1,065	2,199	2%
TOTAL NET USAGE	19,077	2,006	23,993	7,330	-	13,588	51,986	-3,605	114,376	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	210	210	18%
NUCLEAR	-	-	-	-	-	-	-	886	886	78%
GEO.&SOLAR	-	-	-	-	-	-	-	40	40	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,136	1,136	
NET IMPORTS OF REGION	19,077	2,006	23,993	7,330	-	13,588	51,986	-4,741	113,240	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.35%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 90 ROCHESTER MINNESOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,780	492	-	3,590	-	9,564	40	5,119	27,585	32%
INDUSTRIAL	4,766	1,863	-	1,640	-	2,819	4,302	6,955	22,365	26%
TRANSPORTATION	2,633	53	22,233	1,192	-	437	-	-	26,548	31%
MISCELLANEOUS USES	274	145	-	6	-	119	-	57	601	1%
TOTAL FINAL DEMAND SECTORS	16,473	2,553	22,233	6,428	-	12,939	4,342	12,131	77,099	89%
TRANSFORMATION										
ELECTRICITY GEN.	1,266	273	-	-	-	132	10,436	-4,305	7,802	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USE IN TRANSFORMATION	1,266	273	-	-	-	132	10,436	-4,305	7,802	9%
TOTAL GROSS FLOWS	17,739	2,826	22,233	6,428	-	13,071	14,778	12,131	84,901	98%
LOSSES & OMISSIONS	1,104	0	0	-253	-	-353	200	1,006	1,704	2%
TOTAL NET USAGE	18,843	2,826	22,233	6,174	-	12,717	14,978	8,832	86,605	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	49	49	57%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	37	37	43%
TOTAL SUPPLY	-	-	-	-	-	-	-	86	86	
NET IMPORTS OF REGION	18,843	2,826	22,233	6,174	-	12,717	14,978	8,746	86,519	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.44%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 91 MINNEAPOLIS-SAINT PAUL MINNESOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	112,515	6,798	-	45,758	-	124,450	556	68,237	358,314	28%
INDUSTRIAL	51,629	56,462	-	73,494	-	38,253	55,423	82,680	357,941	28%
TRANSPORTATION	36,611	1,331	281,412	29,617	-	10,958	1	-	359,930	28%
MISCELLANEOUS USES	2,932	1,556	-	65	-	1,309	3	622	6,487	1%
TOTAL FINAL DEMAND SECTORS	203,687	66,147	281,412	148,934	-	174,970	55,983	151,539	1,082,672	84%
TRANSFORMATION										
ELECTRICITY GEN.	15,952	1,295	-	-	-	1,653	240,991	-92,562	167,329	13%
PETROLEUM PRODUCTS	-98,133	-39,306	-201,859	-88,715	421,321	9,362	-	-	2,670	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-82,181	-38,011	-201,859	-88,715	421,321	11,015	240,991	-92,562	169,999	13%
TOTAL GROSS FLOWS	219,639	67,442	281,412	148,934	421,321	185,985	296,974	151,539	1,252,671	97%
LOSSES & OMISSIONS	13,670	1	1	-5,874	17,478	-5,025	4,019	12,573	36,845	3%
TOTAL NET USAGE	135,176	28,137	79,554	54,344	438,799	180,959	300,993	71,550	1,289,516	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,053	1,053	3%
NUCLEAR	-	-	-	-	-	-	-	29,098	29,098	95%
GEO.&SOLAR	-	-	-	-	-	-	-	467	467	2%
TOTAL SUPPLY	-	-	-	-	-	-	-	30,618	30,618	
NET IMPORTS OF REGION	135,176	28,137	79,554	54,344	438,799	180,959	300,993	40,932	1,258,898	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.38%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 92 GRAND FORKS NORTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,146	554	-	4,355	-	8,134	23	7,340	26,552	33%
INDUSTRIAL	3,150	740	-	1,351	-	577	9,392	2,691	17,901	22%
TRANSPORTATION	5,594	50	22,928	2,412	-	619	-	-	31,603	39%
MISCELLANEOUS USES	495	189	-	19	-	204	-	141	1,048	1%
TOTAL FINAL DEMAND SECTORS	15,385	1,533	22,928	8,137	-	9,534	9,415	10,172	77,104	96%
TRANSFORMATION										
ELECTRICITY GEN.	620	-	-	-	-	95	1,903	-875	1,743	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	620	-	-	-	-	95	1,903	-875	1,743	2%
TOTAL GROSS FLOWS	16,005	1,533	22,928	8,137	-	9,629	11,318	10,172	78,847	98%
LOSSES & OMISSIONS	996	0	0	-320	-	-260	153	844	1,412	2%
TOTAL NET USAGE	17,001	1,533	22,928	7,816	-	9,368	11,471	10,141	80,259	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	277	277	35%
NUCLEAR	-	-	-	-	-	-	-	103	103	13%
GEO.&SOLAR	-	-	-	-	-	-	-	416	416	52%
TOTAL SUPPLY	-	-	-	-	-	-	-	796	796	
NET IMPORTS OF REGION	17,001	1,533	22,928	7,816	-	9,368	11,471	9,345	79,463	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.58%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 93 MINOT NORTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,870	390	-	3,388	-	5,985	9	6,197	18,839	19%
INDUSTRIAL	3,757	1,079	-	1,291	-	2,371	7,857	4,611	20,966	21%
TRANSPORTATION	4,790	3	16,305	2,081	-	313	-	-	23,492	23%
MISCELLANEOUS USES	350	111	-	18	-	148	-	113	740	1%
TOTAL FINAL DEMAND SECTORS	11,767	1,583	16,305	6,778	-	8,817	7,866	10,921	64,037	64%
TRANSFORMATION										
ELECTRICITY GEN.	364	-	-	-	-	107	47,954	-15,172	33,253	33%
PETROLEUM PRODUCTS	-4,041	-1,483	-7,676	-2,935	15,825	464	-	-	152	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-3,677	-1,483	-7,676	-2,935	15,825	571	47,954	-15,172	33,405	33%
TOTAL GROSS FLOWS	12,131	1,583	16,305	6,778	15,825	9,388	55,820	10,921	97,442	97%
LOSSES & OMISSIONS	755	0	0	-267	656	-253	755	906	2,552	3%
TOTAL NET USAGE	8,844	99	8,628	3,575	16,482	9,134	56,575	-3,344	99,995	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	117,292	18,383	169,084	-	304,759	100%
HYDROELECTRIC	-	-	-	-	-	-	-	441	441	0%
NUCLEAR	-	-	-	-	-	-	-	176	176	0%
GEO.&SOLAR	-	-	-	-	-	-	-	693	693	0%
TOTAL SUPPLY	-	-	-	-	117,292	18,383	169,084	1,310	306,069	
NET IMPORTS OF REGION	8,844	99	8,628	3,575	-100,809	-9,248	-112,508	-4,654	-206,073	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.94%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 94 GREAT FALLS MONTANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,226	402	-	4,239	-	14,176	15	8,190	29,248	19%
INDUSTRIAL	4,031	1,806	-	9,896	-	3,438	19,253	27,088	65,522	42%
TRANSPORTATION	15,554	132	20,089	2,051	-	219	1	-	38,046	24%
MISCELLANEOUS USES	582	216	-	28	-	281	-	194	1,401	1%
TOTAL FINAL DEMAND SECTORS	22,493	2,556	20,089	16,214	-	18,114	19,279	35,472	134,217	86%
TRANSFORMATION										
ELECTRICITY GEN.	1,171	-	-	-	-	294	-	-487	978	1%
PETROLEUM PRODUCTS	-10,586	-3,383	-17,753	-5,035	35,809	1,508	-	-	559	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-9,902	-	25,211	-	15,309	10%
NET FUEL USED IN TRANSFORMATION	-9,415	-3,383	-17,753	-5,035	25,907	1,802	25,211	-487	16,846	11%
TOTAL GROSS FLOWS	23,564	2,556	20,089	16,214	35,809	19,916	44,490	35,472	151,063	97%
LOSSES & OMISSIONS	1,472	0	0	-639	1,485	-538	602	2,943	5,326	3%
TOTAL NET USAGE	14,550	-827	2,336	10,538	27,393	19,377	45,092	37,928	156,390	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	43,707	52,536	-	-	96,243	92%
HYDROELECTRIC	-	-	-	-	-	-	-	5,556	5,556	5%
NUCLEAR	-	-	-	-	-	-	-	575	575	1%
GEO.&SOLAR	-	-	-	-	-	-	-	2,254	2,254	2%
TOTAL SUPPLY	-	-	-	-	43,707	52,536	-	8,385	104,628	
NET IMPORTS OF REGION	14,550	-827	2,336	10,538	-16,313	-33,158	45,092	29,543	51,762	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.76%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =60.72%

BEA ECONOMIC AREA 95 BILLINGS MONTANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,807	792	-	5,765	-	19,761	19	12,211	42,355	15%
INDUSTRIAL	15,288	13,996	-	18,914	-	6,165	8,872	25,268	88,503	31%
TRANSPORTATION	18,458	157	28,539	2,876	-	349	1	-	50,380	18%
MISCELLANEOUS USES	455	144	-	16	-	123	-	121	859	0%
TOTAL FINAL DEMAND SECTORS	38,008	15,089	28,539	27,571	-	26,398	8,892	37,600	182,097	64%
TRANSFORMATION										
ELECTRICITY GEN.	1,241	-	-	-	-	312	109,721	-34,872	76,402	27%
PETROLEUM PRODUCTS	-100,517	-32,124	-168,563	-47,813	340,011	14,319	-	-	5,312	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-99,276	-32,124	-168,563	-47,813	340,011	14,631	109,721	-34,872	81,714	29%
TOTAL GROSS FLOWS	39,249	15,089	28,539	27,571	340,011	41,029	118,613	37,600	263,811	93%
LOSSES & OMISSIONS	2,442	0	0	-1,087	14,105	-1,108	1,605	3,119	19,078	7%
TOTAL NET USAGE	-58,825	-17,035	-140,023	-21,329	354,117	39,920	120,218	5,847	282,889	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	329,324	68,648	2,062,414	-	2,460,386	100%
HYDROELECTRIC	-	-	-	-	-	-	-	7,814	7,814	0%
NUCLEAR	-	-	-	-	-	-	-	610	610	0%
GEO.&SOLAR	-	-	-	-	-	-	-	2,389	2,389	0%
TOTAL SUPPLY	-	-	-	-	329,324	68,648	2,062,414	10,813	2,471,199	
NET IMPORTS OF REGION	-58,825	-17,035	-140,023	-21,329	24,793	-28,727	-1,942,195	-4,965	-2,188,309	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.66%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 96 BISMARK NORTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,873	369	-	3,230	-	4,79[illegible]	8	5,726	16,997	6%
INDUSTRIAL	3,562	17,552	-	10,330	-	325	6,146	1,937	39,852	14%
TRANSPORTATION	2,897	-	15,601	1,468	-	240	-	-	20,206	7%
MISCELLANEOUS USES	297	93	-	10	-	77	-	79	556	0%
TOTAL FINAL DEMAND SECTORS	9,629	18,014	15,601	15,038	-	5,433	6,154	7,742	77,611	27%
TRANSFORMATION										
ELECTRICITY GEN.	258	-	-	-	-	64	77,049	-24,233	53,138	18%
PETROLEUM PRODUCTS	-27,414	-10,980	-56,391	-24,783	117,700	2,615	-	-	747	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-135,190	282,609	-	147,419	51%
NET FUEL USED IN TRANSFORMATION	-27,156	-10,980	-56,391	-24,783	117,700	-132,510	359,658	-24,233	201,304	70%
TOTAL GROSS FLOWS	9,887	18,014	15,601	15,038	117,700	8,112	365,812	7,742	278,915	96%
LOSSES & OMISSIONS	615	0	0	-593	4,882	-219	4,951	642	10,280	4%
TOTAL NET USAGE	-16,911	7,034	-40,789	-10,338	122,582	-127,296	370,763	-15,848	289,195	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	36,180	17,600	773,237	-	827,017	99%
HYDROELECTRIC	-	-	-	-	-	-	-	6,743	6,743	1%
NUCLEAR	-	-	-	-	-	-	-	126	126	0%
GEO.&SOLAR	-	-	-	-	-	-	-	492	492	0%
TOTAL SUPPLY	-	-	-	-	36,180	17,600	773,237	7,361	834,378	
NET IMPORTS OF REGION	-16,911	7,034	-40,789	-10,338	86,402	-144,896	-402,473	-23,209	-545,182	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.68%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =52.16%

BEA ECONOMIC AREA 97 FARGO-MOORHEAD NORTH DAKOTA-MINNESOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,622	781	-	5,974	-	11,328	33	10,223	36,961	33%
INDUSTRIAL	4,449	1,125	-	2,151	-	659	9,965	4,092	22,441	20%
TRANSPORTATION	7,578	63	31,543	2,641	-	715	-	-	42,540	38%
MISCELLANEOUS USES	491	188	-	14	-	158	-	121	972	1%
TOTAL FINAL DEMAND SECTORS	21,140	2,157	31,543	10,780	-	12,860	9,998	14,436	102,914	93%
TRANSFORMATION										
ELECTRICITY GEN.	891	227	-	-	-	134	7,516	-3,106	5,662	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	891	227	-	-	-	134	7,516	-3,106	5,662	5%
TOTAL GROSS FLOWS	22,031	2,384	31,543	10,780	-	12,994	17,514	14,436	108,576	98%
LOSSES & OMISSIONS	1,371	0	0	-425	-	-351	237	1,197	2,030	2%
TOTAL NET USAGE	23,402	2,384	31,543	10,354	-	12,642	17,751	12,527	110,606	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	416	416	36%
NUCLEAR	-	-	-	-	-	-	-	145	145	13%
GEO.&SOLAR	-	-	-	-	-	-	-	586	586	51%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,147	1,147	
NET IMPORTS OF REGION	23,402	2,384	31,543	10,354	-	12,642	17,751	11,380	109,459	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.58%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,419	24	-	2,516	-	4,123	2	6,582	14,666	29%
INDUSTRIAL	1,695	135	-	1,034	-	47	621	871	4,403	9%
TRANSPORTATION	1,379	-	12,421	768	-	217	-	-	14,785	29%
MISCELLANEOUS USES	225	71	-	8	-	59	-	59	422	1%
TOTAL FINAL DEMAND SECTORS	4,718	230	12,421	4,326	-	4,446	623	7,512	34,276	68%
TRANSFORMATION										
ELECTRICITY GEN.	268	-	-	-	-	62	21,552	-6,859	15,023	30%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	268	-	-	-	-	62	21,552	-6,859	15,023	30%
TOTAL GROSS FLOWS	4,986	230	12,421	4,326	-	4,508	22,175	7,512	49,299	98%
LOSSES & OMISSIONS	310	0	0	-170	-	-121	300	623	941	2%
TOTAL NET USAGE	5,296	230	12,421	4,155	-	4,386	22,475	1,276	50,240	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	304	304	34%
NUCLEAR	-	-	-	-	-	-	-	122	122	14%
GEO.&SOLAR	-	-	-	-	-	-	-	477	477	53%
TOTAL SUPPLY	-	-	-	-	-	-	-	903	903	
NET IMPORTS OF REGION	5,296	230	12,421	4,155	-	4,386	22,475	373	49,337	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.65%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 99 SIOUX FALLS SOUTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,954	199	-	6,058	-	11,644	18	14,094	37,967	39%
INDUSTRIAL	6,176	1,581	-	2,867	-	1,079	2,678	4,909	19,290	20%
TRANSPORTATION	2,641	17	31,423	1,163	-	364	-	-	35,608	37%
MISCELLANEOUS USES	426	148	-	14	-	128	-	107	823	1%
TOTAL FINAL DEMAND SECTORS	15,197	1,945	31,423	10,102	-	13,215	2,696	19,110	93,688	97%
TRANSFORMATION										
ELECTRICITY GEN.	1,114	142	-	-	-	161	874	-800	1,491	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,114	142	-	-	-	161	874	-800	1,491	2%
TOTAL GROSS FLOWS	16,311	2,087	31,423	10,102	-	13,376	3,570	19,110	95,179	98%
LOSSES & OMISSIONS	1,015	0	0	-398	-	-361	48	1,585	1,889	2%
TOTAL NET USAGE	17,326	2,087	31,423	9,703	-	13,014	3,618	19,895	97,068	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	549	549	34%
NUCLEAR	-	-	-	-	-	-	-	217	217	13%
GEO.&SOLAR	-	-	-	-	-	-	-	864	864	53%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,630	1,630	
NET IMPORTS OF REGION	17,326	2,087	31,423	9,703	-	13,014	3,618	18,265	95,438	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.08%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 100 RAPID CITY SOUTH DAKOTA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,890	31	-	5,025	-	8,716	4	13,220	29,946	38%
INDUSTRIAL	5,366	1,304	-	1,618	-	1,190	1,537	1,602	12,617	16%
TRANSPORTATION	3,199	7	25,069	1,139	-	320	-	-	29,734	37%
MISCELLANEOUS USES	375	118	-	19	-	161	-	134	807	1%
TOTAL FINAL DEMAND SECTORS	11,830	1,520	25,069	7,801	-	10,387	1,541	14,956	73,104	92%
TRANSFORMATION										
ELECTRICITY GEN.	720	-	-	-	-	124	4,065	-1,558	3,351	4%
PETROLEUM PRODUCTS	-7,043	-2,251	-11,812	-3,350	23,826	1,003	-	-	372	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-6,323	-2,251	-11,812	-3,350	23,826	1,127	4,065	-1,558	3,723	5%
TOTAL GROSS FLOWS	12,550	1,520	25,069	7,801	23,826	11,514	5,606	14,956	76,827	97%
LOSSES & OMISSIONS	781	0	0	-307	988	-311	75	1,240	2,467	3%
TOTAL NET USAGE	6,287	-731	13,257	4,142	24,814	11,203	5,681	14,638	79,295	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	26,990	1,200	-	-	28,190	61%
HYDROELECTRIC	-	-	-	-	-	-	-	17,203	17,203	37%
NUCLEAR	-	-	-	-	-	-	-	242	242	1%
GEO.&SOLAR	-	-	-	-	-	-	-	950	950	2%
TOTAL SUPPLY	-	-	-	-	26,990	1,200	-	18,395	46,585	
NET IMPORTS OF REGION	6.287	-731	13,257	4,142	-2,175	10,003	5,681	-3,756	32,710	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.25%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 101 SCOTTSBLUFF NEBRASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,208	90	-	1,609	-	4,080	8	2,453	9,448	29%
INDUSTRIAL	1,677	418	-	761	-	2,884	1,791	2,354	9,885	31%
TRANSPORTATION	1,891	64	8,164	959	-	247	-	2	11,327	35%
MISCELLANEOUS USES	88	18	-	3	-	23	-	14	146	0%
TOTAL FINAL DEMAND SECTORS	4,864	590	8,164	3,332	-	7,234	1,799	4,823	30,806	95%
TRANSFORMATION										
ELECTRICITY GEN.	20	-	-	-	-	780	-	-232	568	2%
PETROLEUM PRODUCTS	-2,538	-1,016	-5,221	-2,294	10,898	242	-	-	69	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-2,518	-1,016	-5,221	-2,294	10,898	1,022	-	-232	637	2%
TOTAL GROSS FLOWS	4,884	590	8,164	3,332	10,898	8,256	1,799	4,823	31,443	97%
LOSSES & OMISSIONS	303	0	0	-131	452	-223	24	400	826	3%
TOTAL NET USAGE	2,649	-426	2,942	905	11,350	8,033	1,823	4,991	32,269	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	32,226	5,084	-	-	37,310	100%
HYDROELECTRIC	-	-	-	-	-	-	-	24	24	0%
NUCLEAR	-	-	-	-	-	-	-	10	10	0%
GEO.&SOLAR	-	-	-	-	-	-	-	38	38	0%
TOTAL SUPPLY	-	-	-	-	32,226	5,084	-	72	37,382	
NET IMPORTS OF REGION	2,649	-426	2,942	905	-20,875	2,949	1,823	4,919	-5,112	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.00%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 102 GRAND ISLAND NEBRASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,476	219	-	6,171	-	15,381	36	9,621	35,904	20%
INDUSTRIAL	3,522	903	-	4,823	-	3,314	4,435	8,020	25,017	14%
TRANSPORTATION	5,150	169	30,327	2,583	-	659	-	7	39,895	22%
MISCELLANEOUS USES	511	95	-	16	-	133	-	77	832	0%
TOTAL FINAL DEMAND SECTORS	13,659	1,386	30,327	13,593	-	19,487	4,471	17,725	101,648	57%
TRANSFORMATION										
ELECTRICITY GEN.	877	-	-	-	-	2,848	94,541	-24,922	73,344	41%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	877	-	-	-	-	2,848	94,541	-24,922	73,344	41%
TOTAL GROSS FLOWS	15,536	1,386	30,327	13,593	-	22,335	99,012	17,725	174,992	99%
LOSSES & OMISSIONS	957	0	0	-536	-	-603	1,340	1,470	2,638	1%
TOTAL NET USAGE	16,503	1,386	30,327	13,056	-	21,731	100,352	-5,726	177,630	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	16,596	2	-	-	16,598	94%
HYDROELECTRIC	-	-	-	-	-	-	-	1,071	1,071	6%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	16,596	2	-	1,071	17,669	
NET IMPORTS OF REGION	16,503	1,386	30,327	13,056	-16,596	21,729	100,352	-6,797	159,961	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.64%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 103 SIOUX CITY IOWA-NEBRASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,793	137	-	7,948	-	18,032	24	12,618	44,552	21%
INDUSTRIAL	5,697	1,179	-	4,886	-	2,806	7,143	9,484	31,195	15%
TRANSPORTATION	8,344	13	38,054	1,228	-	387	-	1	48,027	23%
MISCELLANEOUS USES	626	127	-	21	-	163	-	102	1,039	0%
TOTAL FINAL DEMAND SECTORS	20,460	1,456	38,054	14,083	-	21,388	7,167	22,205	124,813	59%
TRANSFORMATION										
ELECTRICITY GEN.	1,426	-	-	-	-	34	110,403	-28,289	83,574	39%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,426	-	-	-	-	34	110,403	-28,289	83,574	39%
TOTAL GROSS FLOWS	21,886	1,456	38,054	14,083	-	21,422	117,570	22,205	208,387	98%
LOSSES & OMISSIONS	1,362	0	0	-555	-	-578	1,591	1,842	3,661	2%
TOTAL NET USAGE	23,248	1,456	38,054	13,527	-	20,843	119,161	-4,241	212,048	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	9,103	9,103	97%
NUCLEAR	-	-	-	-	-	-	-	67	67	1%
GEO.&SOLAR.	-	-	-	-	-	-	-	261	261	3%
TOTAL SUPPLY	-	-	-	-	-	-	-	9,431	9,431	
NET IMPORTS OF REGION	23,248	1,456	38,054	13,527	-	20,843	119,161	-13,672	202,617	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 104 FORT DODGE IOWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,734	58	-	4,728	-	11,107	12	6,102	25,801	31%
INDUSTRIAL	3,579	2,520	-	4,726	-	1,868	4,209	6,961	23,863	28%
TRANSPORTATION	5,757	-	22,015	963	-	333	-	-	29,078	35%
MISCELLANEOUS USES	467	87	-	15	-	119	-	69	757	1%
TOTAL FINAL DEMAND SECTORS	13,637	2,665	22,015	10,432	-	13,427	4,221	13,132	79,499	94%
TRANSFORMATION										
ELECTRICITY GEN.	650	-	-	-	-	613	3,509	-1,288	3,484	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	650	-	-	-	-	613	3,509	-1,288	3,484	4%
TOTAL GROSS FLOWS	14,287	2,665	22,015	10,432	-	14,040	7,730	13,132	82,983	98%
LOSSES & OMISSIONS	857	0	0	-411	-	-379	104	1,089	1,290	2%
TOTAL NET USAGE	15,144	2,665	22,015	10,020	-	13,660	7,834	12,933	84,273	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	
NET IMPORTS OF REGION	15,144	2,665	22,015	10,020	-	13,660	7,834	12,933	84,273	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =73.01%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 105 WATERLOO IOWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,431	93	-	8,026	-	18,965	19	10,438	43,978	34%
INDUSTRIAL	4,923	1,292	-	7,282	-	3,368	6,642	10,250	33,757	26%
TRANSPORTATION	4,911	-	37,332	1,117	-	387	-	-	43,747	34%
MISCELLANEOUS USES	644	120	-	21	-	166	-	95	1,046	1%
TOTAL FINAL DEMAND SECTORS	16,909	1,511	37,332	16,446	-	22,886	6,661	20,783	122,528	94%
TRANSFORMATION										
ELECTRICITY GEN.	1,693	-	-	-	-	1,568	4,632	-2,214	5,679	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,693	-	-	-	-	1,568	4,632	-2,214	5,679	4%
TOTAL GROSS FLOWS	18,602	1,511	37,332	16,446	-	24,454	11,293	20,783	128,207	99%
LOSSES & OMISSIONS	1,157	0	0	-648	-	-660	152	1,724	1,725	1%
TOTAL NET USAGE	19,759	1,511	37,332	15,797	-	23,793	11,445	20,293	129,932	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	49	49	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	49	49	
NET IMPORTS OF REGION	19,759	1,511	37,332	15,797	-	23,793	11,445	20,244	129,883	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 106 DES MOINES IOWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,774	239	-	15,684	-	37,904	41	21,227	87,869	29%
INDUSTRIAL	7,335	2,946	-	15,973	-	5,184	8,655	16,730	56,823	19%
TRANSPORTATION	14,381	-	72,635	1,567	-	535	1	-	89,119	30%
MISCELLANEOUS USES	1,550	289	-	51	-	402	1	229	2,522	1%
TOTAL FINAL DEMAND SECTORS	36,040	3,474	72,635	33,275	-	44,025	8,698	38,186	236,333	79%
TRANSFORMATION										
ELECTRICITY GEN.	2,418	-	-	-	-	18	78,538	-20,616	60,358	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,418	-	-	-	-	18	78,538	-20,616	60,358	20%
TOTAL GROSS FLOWS	38,458	3,474	72,635	33,275	-	44,043	87,236	38,186	296,691	99%
LOSSES & OMISSIONS	2,393	0	0	-1,312	-	-1,190	1,130	3,168	4,240	1%
TOTAL NET USAGE	40,851	3,474	72,635	31,962	-	42,852	88,416	20,738	300,931	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	16,765	-	16,765	48%
HYDROELECTRIC	-	-	-	-	-	-	-	37	37	0%
NUCLEAR	-	-	-	-	-	-	-	18,452	18,452	52%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	16,765	18,489	35,254	
NET IMPORTS OF REGION	40,851	3,474	72,635	31,962	-	42,852	71,651	2,249	265,677	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.54%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 107 OMAHA NEBRASKA-IOWA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	12,641	510	-	16,880	-	41,551	86	25,276	96,944	25%
INDUSTRIAL	10,762	9,080	-	22,881	-	9,251	16,588	17,330	85,892	22%
TRANSPORTATION	25,186	407	81,810	1,898	-	499	1	17	109,818	29%
MISCELLANEOUS USES	1,247	233	-	56	-	561	-	264	2,361	1%
TOTAL FINAL DEMAND SECTORS	49,836	10,230	81,810	41,715	-	51,862	16,675	42,887	295,015	77%
TRANSFORMATION										
ELECTRICITY GEN.	1,394	-	-	-	-	-	109,842	-28,129	83,107	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,394	-	-	-	-	-	109,842	-28,129	83,107	22%
TOTAL GROSS FLOWS	51,230	10,230	81,810	41,715	-	51,862	126,517	42,887	378,122	99%
LOSSES & OMISSIONS	3,188	0	0	-1,645	-	-1,401	1,712	3,558	5,413	1%
TOTAL NET USAGE	54,418	10,230	81,810	40,069	-	50,460	128,229	18,316	383,535	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	591	591	2%
NUCLEAR	-	-	-	-	-	-	-	24,679	24,679	98%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	25,270	25,270	
NET IMPORTS OF REGION	54,418	10,230	81,810	40,069	-	50,460	128,229	-6,953	358,265	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 108 LINCOLN NEBRASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,936	259	-	6,523	-	16,645	39	10,596	39,098	25%
INDUSTRIAL	4,046	2,455	-	7,176	-	4,223	6,651	7,497	32,088	20%
TRANSPORTATION	5,313	123	32,477	927	-	233	-	5	40,078	25%
MISCELLANEOUS USES	773	184	-	25	-	201	-	115	1,258	1%
TOTAL FINAL DEMAND SECTORS	15,068	3,021	32,477	14,751	-	21,302	6,690	18,213	112,522	71%
TRANSFORMATION										
ELECTRICITY GEN.	967	-	-	-	-	-	56,149	-14,468	42,648	27%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	967	-	-	-	-	-	56,149	-14,468	42,648	27%
TOTAL GROSS FLOWS	16,035	3,021	32,477	14,751	-	21,302	62,839	18,213	155,170	99%
LOSSES & OMISSIONS	1,060	0	0	-581	-	-575	850	1,511	2,264	1%
TOTAL NET USAGE	18,095	3,021	32,477	14,169	-	20,726	63,689	5,256	157,434	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	296	-	-	-	296	2%
HYDROELECTRIC	-	-	-	-	-	-	-	111	111	1%
NUCLEAR	-	-	-	-	-	-	-	11,963	11,963	97%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	296	-	-	12,074	12,370	
NET IMPORTS OF REGION	18,095	3,021	32,477	14,169	-296	20,726	63,689	-6,817	145,064	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 109 SALINA KANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	902	41	-	5,307	-	14,914	13	7,579	28,756	22%
INDUSTRIAL	3,431	5,918	-	16,480	-	14,504	1,094	14,214	55,641	42%
TRANSPORTATION	3,129	9	29,629	468	-	160	-	-	33,395	25%
MISCELLANEOUS USES	278	52	-	10	-	84	-	42	466	0%
TOTAL FINAL DEMAND SECTORS	7,740	6,020	29,629	22,265	-	29,662	1,107	21,835	118,258	90%
TRANSFORMATION										
ELECTRICITY GEN.	19	-	-	-	-	3,713	-	-1,081	2,651	2%
PETROLEUM PRODUCTS	-48,000	-19,226	-98,737	-43,394	206,083	4,579	-	-	1,305	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-47,981	-19,226	-98,737	-43,394	206,083	8,292	-	-1,081	3,956	3%
TOTAL GROSS FLOWS	7,759	6,020	29,629	22,265	206,083	37,954	1,107	21,835	122,214	93%
LOSSES & OMISSIONS	482	0	0	-878	8,549	-1,025	14	1,811	8,955	7%
TOTAL NET USAGE	-39,758	-13,205	-69,107	-22,007	214,632	36,928	1,121	22,565	131,169	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	133,433	2,500	-	-	135,933	88%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	17,683	17,683	12%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	133,433	2,500	-	17,683	153,616	
NET IMPORTS OF REGION	-39,758	-13,205	-69,107	-22,007	81,199	34,428	1,121	4,882	-22,446	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =71.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 110 WICHITA KANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,975	100	-	11,260	-	32,314	27	17,377	63,053	22%
INDUSTRIAL	5,417	14,188	-	37,981	-	23,001	3,081	22,255	105,923	37%
TRANSPORTATION	7,480	19	62,500	1,164	-	399	-	-	71,562	25%
MISCELLANEOUS USES	633	118	-	30	-	283	-	104	1,168	0%
TOTAL FINAL DEMAND SECTORS	15,505	14,425	62,500	50,435	-	55,997	3,108	39,736	241,706	84%
TRANSFORMATION										
ELECTRICITY GEN.	512	-	-	-	-	30,768	-	-9,082	22,198	8%
PETROLEUM PRODUCTS	-112,921	-45,229	-232,279	-102,084	484,813	10,772	-	-	3,072	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-112,409	-45,229	-232,279	-102,084	484,813	41,540	-	-9,082	25,270	9%
TOTAL GROSS FLOWS	16,017	14,425	62,500	50,435	484,813	97,537	3,108	39,736	266,976	93%
LOSSES & OMISSIONS	996	0	0	-1,989	20,112	-2,635	42	3,297	19,824	7%
TOTAL NET USAGE	-95,907	-30,803	-169,778	-53,638	504,925	94,902	3,150	33,951	286,800	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	206,055	686,243	-	-	892,298	100%
HYDROELECTEIC	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	206,055	686,243	-	-	892,298	
NET IMPORTS OF REGION	-95,907	-30,803	-169,778	-53,638	298,870	-591,340	3,150	33,951	-605,497	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =70.97%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 111 KANSAS CITY MISSOURI-KANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	22,248	1,690	-	41,663	-	104,879	99	62,329	232,908	18%
INDUSTRIAL	16,853	24,108	-	138,714	-	75,263	38,121	43,256	336,315	25%
TRANSPORTATION	50,732	157	209,259	34,194	-	7,263	3	22	301,630	23%
MISCELLANEOUS USES	5,856	1,094	-	244	-	2,215	3	934	10,346	1%
TOTAL FINAL DEMAND SECTORS	95,689	27,049	209,259	214,815	-	189,620	38,226	106,541	881,199	67%
TRANSFORMATION										
ELECTRICITY GEN.	5,969	-	-	-	-	31,778	515,939	-141,121	412,565	31%
PETROLEUM PRODUCTS	-100,011	-40,058	-205,723	-90,412	429,386	9,541	-	-	2,723	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-94,042	-40,058	-205,723	-90,412	429,386	41,319	515,939	-141,121	415,288	31%
TOTAL GROSS FLOWS	101,658	27,049	209,259	214,815	429,386	230,939	554,165	106,541	1,296,487	98%
LOSSES & OMISSIONS	6,327	0	0	-8,473	17,813	-6,240	7,501	8,840	25,769	2%
TOTAL NET USAGE	7,974	-13,008	3,536	115,929	447,199	224,698	561,666	-25,739	1,322,256	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,286	482	99,890	-	105,658	100%
HYDROELECTRIC	-	-	-	-	-	-	-	419	419	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	5,286	482	99,890	419	106,077	
NET IMPORTS OF REGION	7,974	-13,008	3,536	115,929	441,913	224,216	461,776	-26,158	1,216,179	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.51%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 112 COLUMBIA MISSOURI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,485	604	-	9,199	-	20,293	18	12,468	50,067	22%
INDUSTRIAL	2,292	730	-	9,551	-	4,667	7,546	6,679	31,465	14%
TRANSPORTATION	5,016	9	42,691	3,319	-	600	-	6	51,641	22%
MISCELLANEOUS USES	1,392	260	-	46	-	353	1	206	2,263	1%
TOTAL FINAL DEMAND SECTORS	16,185	1,603	42,691	22,115	-	25,913	7,565	19,359	135,436	58%
TRANSFORMATION										
ELECTRICITY GEN.	1,209	-	-	-	-	1,027	122,756	-31,611	93,381	40%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,209	-	-	-	-	1,027	122,756	-31,611	93,381	40%
TOTAL GROSS FLOWS	17,394	1,603	42,691	22,115	-	26,945	130,321	19,359	228,817	99%
LOSSES & EMISSIONS	1,082	0	0	-872	-	-728	1,764	1,606	2,852	1%
TOTAL NET USAGE	18,476	1,603	42,691	21,242	-	26,216	132,085	-10,645	231,669	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	50,269	-	50,269	57%
HYDROELECTRIC	-	-	-	-	-	-	-	3,022	3,022	3%
NUCLEAR	-	-	-	-	-	-	-	35,366	35,366	40%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	50,269	38,388	88,657	
NET IMPORTS OF REGION	18,476	1,603	42,691	21,242	-	26,216	81,816	-49,033	143,012	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 113 QUINCY ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,397	790	-	4,275	-	12,650	34	5,799	28,945	27%
INDUSTRIAL	3,535	1,586	-	11,523	-	5,729	8,127	8,266	38,766	36%
TRANSPORTATION	3,679	9	21,437	1,092	-	345	-	8	26,570	24%
MISCELLANEOUS USES	208	61	-	5	-	66	-	36	376	0%
TOTAL FINAL DEMAND SECTORS	12,819	2,446	21,437	16,895	-	18,790	8,161	14,109	94,657	87%
TRANSFORMATION										
ELECTRICITY GEN.	995	-	-	-	-	64	16,664	-4,793	12,930	12%
PETROLEUM PRODUCTS	-913	-366	-1,879	-826	3,923	87	-	-	24	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	81	-366	-1,879	-826	3,923	151	16,664	-4,793	12,954	12%
TOTAL GROSS FLOWS	13,814	2,446	21,437	16,895	3,923	18,941	24,825	14,109	107,611	99%
LOSSES & OMISSIONS	859	0	0	-666	162	-511	336	1,170	1,351	1%
TOTAL NET USAGE	13,760	2,080	19,557	15,402	4,086	18,429	25,161	10,486	108,963	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	24	-	-	-	24	2%
HYDROELECTRIC	-	-	-	-	-	-	-	1,489	1,489	97%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	18	18	1%
TOTAL SUPPLY	-	-	-	-	24	-	-	1,507	1,531	
NET IMPORTS OF REGION	13,760	2,080	19,557	15,402	4,062	18,429	25,161	8,979	107,432	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =72.96%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 114 ST. LOUIS MISSOURI-ILLINOIS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	58,534	9,166	-	50,027	-	137,085	335	71,565	326,712	21%
INDUSTRIAL	30,207	15,889	-	135,372	-	78,469	83,694	52,853	396,484	25%
TRANSPORTATION	42,749	196	244,649	20,219	-	4,584	2	193	312,592	20%
MISCELLANEOUS USES	7,031	1,903	-	246	-	2,608	5	1,249	13,042	1%
TOTAL FINAL DEMAND SECTORS	138,521	27,154	244,649	205,864	-	222,746	84,035	125,860	1,048,830	67%
TRANSFORMATION										
ELECTRICITY GEN.	5,383	3,323	-	-	-	515	647,775	-195,505	461,492	29%
PETROLEUM PRODUCTS	-229,848	-92,062	-472,798	-207,789	986,824	21,927	-	-	6,254	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-224,465	-88,739	-472,798	-207,789	986,824	22,442	647,775	-195,505	467,746	30%
TOTAL GROSS FLOWS	143,904	30,477	244,649	205,864	986,824	245,188	731,812	125,860	1,516,576	96%
LOSSES & OMISSIONS	8,957	0	1	-8,120	40,938	-6,625	9,905	10,443	55,500	4%
TOTAL NET USAGE	-76,986	-61,584	-228,147	-10,045	1,027,762	238,563	741,717	-59,201	1,572,077	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	82,617	261	1,525,377	-	1,608,255	100%
HYDROELECTRIC	-	-	-	-	-	-	-	867	867	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	146	146	0%
TOTAL SUPPLY	-	-	-	-	82,617	261	1,525,377	1,013	1,609,268	
NET IMPORTS OF REGION	-76,986	-61,584	-228,147	-10,045	945,145	238,302	-783,659	-60,214	-37,190	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =70.24%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 115 PADUCAH KENTUCKY 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,987	803	-	8,604	-	20,540	69	17,471	54,474	15%
INDUSTRIAL	4,038	2,451	-	12,622	-	12,631	19,292	28,450	79,484	22%
TRANSPORTATION	7,998	21	49,796	5,819	-	827	-	7	64,468	18%
MISCELLANEOUS USES	910	287	-	29	-	379	-	209	1,814	0%
TOTAL FINAL DEMAND SECTORS	19,933	3,562	49,796	27,074	-	34,377	19,361	46,137	200,240	55%
TRANSFORMATION										
ELECTRICITY GEN.	4,318	-	-	-	-	661	223,610	-71,237	157,352	43%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,318	-	-	-	-	661	223,610	-71,237	157,352	43%
TOTAL GROSS FLOWS	24,251	3,562	49,796	27,074	-	35,038	242,971	46,137	357,592	98%
LOSSES & OMISSIONS	1,509	0	0	-1,067	-	-946	3,288	3,828	6,612	2%
TOTAL NET USAGE	25,760	3,562	49,796	26,006	-	34,091	246,259	-21,271	364,204	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	176	-	176	4%
HYDROELECTRIC	-	-	-	-	-	-	-	4,686	4,686	96%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	8	8	0%
TOTAL SUPPLY	-	-	-	-	-	-	176	4,694	4,870	
NET IMPORTS OF REGION	25,760	3,562	49,796	26,006	-	34,091	246,083	-25,965	359,334	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 116 SPRINGFIELD MISSOURI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,483	896	-	17,240	-	41,856	33	24,199	94,707	24%
INDUSTRIAL	8,587	8,947	-	30,452	-	27,336	21,320	18,955	116,097	30%
TRANSPORTATION	16,070	25	87,516	5,223	-	1,212	1	10	110,057	28%
MISCELLANEOUS USES	1,299	344	-	39	-	347	-	194	2,223	1%
TOTAL FINAL DEMAND SECTORS	36,439	10,212	87,516	52,954	-	70,751	21,354	43,358	323,084	83%
TRANSFORMATION										
ELECTRICITY GEN.	1,759	-	-	-	-	9,661	67,357	-20,597	58,680	15%
PETROLEUM PRODUCTS	-26,114	-10,459	-53,716	-23,607	112,115	2,491	-	-	710	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-24,355	-10,459	-53,716	-23,607	112,115	12,152	67,357	-20,597	59,390	15%
TOTAL GROSS FLOWS	38,198	10,212	87,516	52,954	112,115	82,903	89,711	43,358	382,474	98%
LOSSES & OMISSIONS	2,377	0	0	-2,088	4,651	-2,240	1,214	3,597	7,512	2%
TOTAL NET USAGE	14,461	-246	33,800	27,258	116,766	80,563	90,925	26,358	389,986	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,420	911	78,015	-	85,346	88%
HYDROELECTRIC	-	-	-	-	-	-	-	11,124	11,124	11%
NUCLEAR	-	-	-	-	-	-	-	265	265	0%
GEO.&SOLAR	-	-	-	-	-	-	-	138	138	0%
TOTAL SUPPLY	-	-	-	-	6,420	911	78,015	11,527	96,873	
NET IMPORTS OF REGION	14,461	-246	33,800	27,258	110,346	79,752	12,910	14,831	293,113	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =74.02%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 117 LITTLE ROCK-NORTH LITTLE ROCK ARKANSAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	10,968	3,813	-	14,273	-	47,754	3	28,870	105,681	14%
INDUSTRIAL	25,890	95,924	-	72,983	-	98,684	5,801	34,506	333,788	43%
TRANSPORTATION	34,654	-	92,988	6,492	-	2,791	1	-	136,926	18%
MISCELLANEOUS USES	1,954	1,645	-	32	-	788	-	343	4,762	1%
TOTAL FINAL DEMAND SECTORS	73,466	101,382	92,988	93,780	-	150,017	5,805	63,719	581,157	76%
TRANSFORMATION										
ELECTRICITY GEN.	5,347	-	-	-	-	19,620	246,037	-89,862	181,142	24%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,347	-	-	-	-	19,620	246,037	-89,862	181,142	24%
TOTAL GROSS FLOWS	78,813	101,382	92,988	93,780	-	169,637	251,842	63,719	762,299	99%
LOSSES & EMISSIONS	4,905	2	0	-3,699	-	-4,583	3,408	5,287	5,320	1%
TOTAL NET USAGE	83,718	101,384	92,988	90,080	-	165,053	255,250	-20,855	767,619	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,664	13,387	7,464	-	25,515	40%
HYDROELECTRIC	-	-	-	-	-	-	-	3,489	3,489	5%
NUCLEAR	-	-	-	-	-	-	-	33,960	33,960	53%
GEO.&SOLAR	-	-	-	-	-	-	-	1,549	1,549	2%
TOTAL SUPPLY	-	-	-	-	4,664	13,387	7,464	38,998	64,513	
NET IMPORTS OF REGION	83,718	101,384	92,988	90,080	-4,664	151,666	247,786	-59,853	703,106	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 118 FORT SMITH ARKANSAS-OKLAHOMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,779	1,509	-	6,636	-	23,911	2	14,640	51,477	29%
INDUSTRIAL	4,693	15,783	-	3,180	-	21,284	849	4,373	50,262	29%
TRANSPORTATION	11,056	-	45,419	5,501	-	2,521	-	-	64,497	37%
MISCELLANEOUS USES	1,494	1,258	-	22	-	492	-	241	3,507	2%
TOTAL FINAL DEMAND SECTORS	22,022	18,550	45,419	15,339	-	48,308	851	19,254	169,743	96%
TRANSFORMATION										
ELECTRICITY GEN.	1,616	-	-	-	-	1,388	4,692	-2,571	5,125	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,616	-	-	-	-	1,388	4,692	-2,571	5,125	3%
TOTAL GROSS FLOWS	23,638	18,550	45,419	15,339	-	49,696	5,543	19,254	174,868	99%
LOSSES & OMISSIONS	1,471	0	0	-605	-	-1,342	75	1,597	1,196	1%
TOTAL NET USAGE	25,109	18,550	45,419	14,733	-	48,353	5,618	18,280	176,064	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	45,374	214,048	33,829	-	293,251	98%
HYDROELECTRIC	-	-	-	-	-	-	-	5,691	5,691	2%
NUCLEAR	-	-	-	-	-	-	-	894	894	0%
GEO.&SOLAR	-	-	-	-	-	-	-	467	467	0%
TOTAL SUPPLY	-	-	-	-	45,374	214,048	33,829	7,052	300,303	
NET IMPORTS OF REGION	25,109	18,550	45,419	14,733	-45,374	-165,694	-28,210	11,228	-124,238	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.59%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 119 TULSA OKLAHOMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,257	1,332	-	14,796	-	54,386	3	31,655	110,429	12%
INDUSTRIAL	10,913	38,003	-	122,398	-	348,814	6,057	27,553	553,738	61%
TRANSPORTATION	19,275	-	107,214	12,247	-	5,725	-	-	144,461	16%
MISCELLANEOUS USES	1,459	1,227	-	21	-	486	-	240	3,433	0%
TOTAL FINAL DEMAND SECTORS	39,904	40,562	107,214	149,462	-	409,411	6,060	59,448	812,061	89%
TRANSFORMATION										
ELECTRICITY GEN.	4,989	-	-	-	-	55,424	264,665	-107,603	217,475	24%
PETROLEUM PRODUCTS	-168,547	-67,509	-346,701	-152,371	723,634	16,079	-	-	4,585	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-142,128	-	-	-	-142,128	-15%
NET FUEL USED IN TRANSFORMATION	-163,558	-67,509	-346,701	-152,371	581,506	71,503	264,665	-107,603	79,932	9%
TOTAL GROSS FLOWS	44,893	40,562	107,214	149,462	723,634	480,914	270,725	59,448	1,034,121	113%
LOSSES & EMISSIONS	2,794	0	0	-5,895	30,020	-12,995	3,664	4,932	22,522	2%
TOTAL NET USAGE	-120,859	-26,946	-239,486	-8,804	611,526	467,919	274,389	-43,222	914,515	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	80,627	7,902	46,638	-	135,167	72%
HYDROELECTRIC	-	-	-	-	-	-	-	6,436	6,436	3%
NUCLEAR	-	-	-	-	-	-	-	45,035	45,035	24%
GEO.&SOLAR	-	-	-	-	-	-	-	1,445	1,445	1%
TOTAL SUPPLY	-	-	-	-	80,627	7,902	46,638	52,916	188,083	
NET IMPORTS OF REGION	-120,859	-26,946	-239,486	-8,804	530,899	460,017	227,751	-96,138	726,432	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.90%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

BEA ECONOMIC AREA 120 OKLAHOMA CITY OKLAHOMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,946	1,163	-	16,781	-	63,094	4	37,122	127,110	17%
INDUSTRIAL	5,667	20,063	-	43,023	-	269,306	2,978	15,397	356,454	48%
TRANSPORTATION	27,819	-	123,395	5,442	-	2,378	-	-	159,034	22%
MISCELLANEOUS USES	5,028	4,231	-	78	-	1,761	-	881	11,979	2%
TOTAL FINAL DEMAND SECTORS	47,480	25,457	123,395	65,324	-	336,539	2,982	53,400	654,577	89%
TRANSFORMATION										
ELECTRICITY GEN.	4,482	-	-	-	-	79,923	13,013	-31,593	65,825	9%
PETROLEUM PRODUCTS	-112,893	-45,218	-232,222	-102,059	484,693	10,770	-	-	3,071	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-108,411	-45,218	-232,222	-102,059	484,693	90,693	13,013	-31,593	68,896	9%
TOTAL GROSS FLOWS	54,962	25,457	123,395	65,324	484,693	427,232	15,995	53,400	723,473	98%
LOSSES & EMISSIONS	3,234	0	0	-2,576	20,107	-11,544	216	4,430	13,868	2%
TOTAL NET USAGE	-57,696	-19,760	-108,826	-39,311	504,800	415,687	16,211	26,237	737,342	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	444,646	635,618	-	-	1,080,264	100%
HYDROELECTRIC	-	-	-	-	-	-	-	74	74	0%
NUCLEAR	-	-	-	-	-	-	-	2,479	2,479	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,298	1,298	0%
TOTAL SUPPLY	-	-	-	-	444,646	635,618	-	3,851	1,084,115	
NET IMPORTS OF REGION	-57,696	-19,760	-108,826	-39,311	60,154	-219,930	16,211	22,386	-346,772	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.57%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 121 WICHITA FALLS TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,366	269	-	4,987	-	15,251	1	9,292	32,166	12%
INDUSTRIAL	2,572	8,494	-	9,325	-	118,222	1,879	10,002	150,494	58%
TRANSPORTATION	2,625	780	36,629	1,596	-	513	-	-	42,143	16%
MISCELLANEOUS USES	1,245	1,048	-	45	-	1,177	-	676	4,191	2%
TOTAL FINAL DEMAND SECTORS	8,808	10,591	36,629	15,953	-	135,163	1,880	19,970	228,994	89%
TRANSFORMATION										
ELECTRICITY GEN.	1,707	-	-	-	-	31,632	4,866	-12,245	25,960	10%
PETROLEUM PRODUCTS	-31,860	-12,717	-65,483	-28,911	136,765	3,075	-	-	868	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-30,153	-12,717	-65,483	-28,911	136,765	34,707	4,866	-12,245	26,828	10%
TOTAL GROSS FLOWS	10,515	10,591	36,629	15,953	136,765	169,870	6,746	19,970	255,822	99%
LOSSES & EMISSIONS	654	0	0	-629	5,673	-4,590	91	1,656	2,857	1%
TOTAL NET USAGE	-20,690	-2,125	-28,853	-13,587	142,438	165,280	6,837	9,381	258,680	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	190,214	54,315	-	-	244,529	99%
HYDROELECTRIC	-	-	-	-	-	-	-	28	28	0%
NUCLEAR	-	-	-	-	-	-	-	927	927	0%
GEO.&SOLAR	-	-	-	-	-	-	-	485	485	0%
TOTAL SUPPLY	-	-	-	-	190,214	54,315	-	1,440	245,969	
NET IMPORTS OF REGION	-20,690	-2,125	-28,853	-13,587	-47,775	110,965	6,837	7,941	12,711	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 122 AMARILLO TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,267	374	-	4,967	-	13,587	-	10,167	31,462	9%
INDUSTRIAL	3,430	11,123	-	33,197	-	140,373	1,751	14,375	204,749	57%
TRANSPORTATION	14,701	4,178	35,908	6,994	-	1,313	-	-	63,594	18%
MISCELLANEOUS USES	373	314	-	8	-	201	-	103	999	0%
TOTAL FINAL DEMAND SECTORS	20,771	15,989	35,908	45,166	-	156,574	1,751	24,645	300,804	83%
TRANSFORMATION										
ELECTRICITY GEN.	2,069	-	-	-	-	13,974	56,483	-24,012	48,514	13%
PETROLEUM PRODUCTS	-74,896	-4,627	-123,530	-129,998	308,240	27,687	-	-	2,876	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-72,827	-4,627	-123,530	-129,998	308,240	41,661	56,483	-24,012	51,390	14%
TOTAL GROSS FLOWS	22,840	15,989	35,908	45,166	308,240	198,235	58,234	24,645	352,194	97%
LOSSES & OMISSIONS	1,421	0	0	-1,781	12,787	-5,356	788	2,044	9,904	3%
TOTAL NET USAGE	-50,634	11,361	-87,621	-86,613	321,027	192,878	59,022	2,677	362,098	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	333,664	770,585	-	-	1,104,249	100%
HYDROELECTRIC	-	-	-	-	-	-	-	35	35	0%
NUCLEAR	-	-	-	-	-	-	-	1,144	1,144	0%
GEO.&SOLAR	-	-	-	-	-	-	-	599	599	0%
TOTAL SUPPLY	-	-	-	-	333,664	770,585	-	1,778	1,106,027	
NET IMPORTS OF REGION	-50,634	11,361	-87,621	-85,613	-12,636	-577,706	59,022	899	-743,928	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.89%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 123 LUBBOCK TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,008	471	-	4,158	-	10,902	-	9,769	27,308	13%
INDUSTRIAL	1,752	4,341	-	4,017	-	59,621	1,163	10,156	81,050	39%
TRANSPORTATION	6,774	1,687	29,943	2,416	-	607	-	-	41,427	20%
MISCELLANEOUS USES	324	273	-	7	-	132	-	73	809	0%
TOTAL FINAL DEMAND SECTORS	10,858	6,772	29,943	10,598	-	71,262	1,163	19,998	150,594	73%
TRANSFORMATION										
ELECTRICITY GEN.	1,678	-	-	-	-	27,602	55,651	-28,005	56,926	27%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,678	-	-	-	-	27,602	55,651	-28,005	56,926	27%
TOTAL GROSS FLOWS	12,536	6,772	29,943	10,598	-	98,864	56,814	19,998	207,520	100%
LOSSES & OMISSIONS	780	0	0	-418	-	-2,671	769	1,659	119	0%
TOTAL NET USAGE	13,316	6,772	29,943	10,179	-	96,192	57,583	-6,347	207,639	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	577,297	39,194	-	-	616,491	100%
HYDROELECTRIC	-	-	-	-	-	-	-	28	28	0%
NUCLEAR	-	-	-	-	-	-	-	928	928	0%
GEO.&SOLAR	-	-	-	-	-	-	-	486	486	0%
TOTAL SUPPLY	-	-	-	-	577,297	39,194	-	1,442	617,933	
NET IMPORTS OF REGION	13,316	6,772	29,943	10,179	-577,297	56,998	57,583	-7,789	-410,293	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 124 ODESSA TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,607	245	-	3,757	-	9,432	-	7,475	22,516	3%
INDUSTRIAL	7,635	27,741	-	141,666	-	426,064	2,591	22,792	628,489	90%
TRANSPORTATION	2,381	926	27,240	1,309	-	334	-	-	32,190	5%
MISCELLANEOUS USES	250	219	-	6	-	111	-	61	657	0%
TOTAL FINAL DEMAND SECTORS	11,883	29,131	27,240	146,738	-	435,941	2,591	30,328	683,852	98%
TRANSFORMATION										
ELECTRICITY GEN.	2,545	-	-	-	-	19,794	5,265	-9,087	18,517	3%
PETROLEUM PRODUCTS	-49,557	-3,062	-81,753	-36,034	203,996	18,323	-	-	1,903	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-47,022	-3,062	-81,753	-36,034	203,996	38,117	5,265	-9,087	20,420	3%
TOTAL GROSS FLOWS	14,428	29,131	27,240	146,738	203,996	474,058	7,856	30,328	704,272	101%
LOSSES & EMISSIONS	838	0	0	-5,787	8,462	-12,810	106	2,516	-6,613	0%
TOTAL NET USAGE	-34,240	26,068	-54,512	54,916	212,458	461,248	7,962	23,757	697,658	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,533,551	963,600	-	-	2,497,151	100%
HYDROELECTRIC	-	-	-	-	-	-	-	42	42	0%
NUCLEAR	-	-	-	-	-	-	-	1,408	1,408	0%
GEO.&SOLAR	-	-	-	-	-	-	-	738	738	0%
TOTAL SUPPLY	-	-	-	-	1,533,551	963,600	-	2,188	2,499,339	
NET IMPORTS OF REGION	-34,240	26,068	-54,512	54,916	-1,321,092	-502,351	7,962	21,569	-1,801,680	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.08%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 125 ABILENE TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,466	254	-	3,328	-	8,434	-	6,915	20,397	11%
INDUSTRIAL	2,142	6,685	-	6,250	-	87,407	1,475	9,744	113,703	59%
TRANSPORTATION	3,481	1,023	24,101	1,445	-	367	-	-	30,417	16%
MISCELLANEOUS USES	283	238	-	7	-	148	-	88	764	0%
TOTAL FINAL DEMAND SECTORS	7,372	8,200	24,101	11,030	-	96,356	1,475	16,747	165,281	86%
TRANSFORMATION										
ELECTRICITY GEN.	1,405	-	-	-	-	33,146	4,081	-12,663	25,969	13%
PETROLEUM PRODUCTS	-15,940	-984	-26,291	-27,667	65,602	5,892	-	-	611	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-14,535	-984	-26,291	-27,667	65,602	39,038	4,081	-12,663	26,580	14%
TOTAL GROSS FLOWS	8,777	8,200	24,101	11,030	65,602	135,394	5,556	16,747	191,861	100%
LOSSES & EMISSIONS	546	0	0	-435	2,721	-3,658	75	1,389	639	0%
TOTAL NET USAGE	-6,616	7,215	-2,189	-17,072	68,323	131,736	5,631	5,473	192,501	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	448,781	55,831	-	-	504,612	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	778	778	0%
GEO.&SOLAR	-	-	-	-	-	-	-	407	407	0%
TOTAL SUPPLY	-	-	-	-	448,781	55,831	-	1,208	505,820	
NET IMPORTS OF REGION	-6,616	7,215	-2,189	-17,072	-380,457	75,905	5,631	4,265	-313,318	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.22%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 126 SAN ANGELO TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,098	295	-	2,153	-	5,760	-	5,406	14,712	19%
INDUSTRIAL	755	1,784	-	867	-	23,267	331	3,938	30,942	40%
TRANSPORTATION	2,385	2,483	15,459	3,441	-	894	-	-	24,662	32%
MISCELLANEOUS USES	450	379	-	8	-	181	-	99	1,117	1%
TOTAL FINAL DEMAND SECTORS	4,688	4,941	15,459	6,469	-	30,102	331	9,443	71,433	92%
TRANSFORMATION										
ELECTRICITY GEN.	792	-	-	-	-	5,888	2,301	-2,938	6,043	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	792	-	-	-	-	5,888	2,301	-2,938	6,043	8%
TOTAL GROSS FLOWS	5,480	4,941	15,459	6,469	-	35,990	2,632	9,443	77,476	100%
LOSSES & EMISSIONS	341	0	0	-255	-	-972	35	783	-67	0%
TOTAL NET USAGE	5,821	4,941	15,459	6,213	-	35,017	2,667	7,288	77,408	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	50,652	38,755	-	-	89,407	99%
HYDROELECTRIC	-	-	-	-	-	-	-	13	13	0%
NUCLEAR	-	-	-	-	-	-	-	438	438	0%
GEO.&SOLAR	-	-	-	-	-	-	-	230	230	0%
TOTAL SUPPLY	-	-	-	-	50,652	38,755	-	681	90,088	
NET IMPORTS OF REGION	5,821	4,941	15,459	6,213	-50,652	-3,737	2,667	6,607	-12,679	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.29%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 127 DALLAS TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	20,420	4,932	-	41,898	-	113,670	-	108,400	289,320	15%
INDUSTRIAL	12,652	45,100	-	248,873	-	580,419	21,239	70,069	978,352	50%
TRANSPORTATION	82,097	53,232	300,220	74,422	-	19,248	1	-	529,220	27%
MISCELLANEOUS USES	4,961	4,175	-	83	-	1,772	-	920	11,911	1%
TOTAL FINAL DEMAND SECTORS	120,130	107,439	300,220	365,276	-	715,109	21,240	179,389	1,808,803	92%
TRANSFORMATION										
ELECTRICITY GEN.	15,054	-	-	-	-	197,894	43,714	-84,312	172,350	9%
PETROLEUM PRODUCTS	-11,354	-701	-18,728	-19,708	46,730	4,197	-	-	436	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,700	-701	-18,728	-19,708	46,730	202,091	43,714	-84,312	172,786	9%
TOTAL GROSS FLOWS	135,184	107,439	300,220	365,276	46,730	917,200	64,954	179,389	1,981,589	101%
LOSSES & EMISSIONS	8,414	2	1	-14,408	1,938	-24,784	879	14,884	-13,072	0%
TOTAL NET USAGE	132,244	106,739	281,493	331,159	48,668	892,415	65,833	109,961	1,968,516	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	161,010	79,041	-	-	240,051	83%
HYDROELECTRIC	-	-	-	-	-	-	-	1,331	1,331	0%
NUCLEAR	-	-	-	-	-	-	-	44,754	44,754	15%
GEO.&SOLAR	-	-	-	-	-	-	-	4,360	4,360	2%
TOTAL SUPPLY	-	-	-	-	161,010	79,041	-	50,445	290,496	
NET IMPORTS OF REGION	132,244	106,739	281,493	331,159	-112,341	813,374	65,833	59,516	1,678,020	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.15%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 128 KILLEEN-TEMPLE TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,459	762	-	7,335	-	19,179	-	17,080	47,815	16%
INDUSTRIAL	1,917	5,631	-	9,178	-	62,044	3,402	11,641	93,813	32%
TRANSPORTATION	9,502	3,282	52,842	4,631	-	1,180	-	-	71,437	25%
MISCELLANEOUS USES	1,500	1,262	-	46	-	904	-	557	4,269	1%
TOTAL FINAL DEMAND SECTORS	16,378	10,937	52,842	21,190	-	83,307	3,402	29,278	217,334	75%
TRANSFORMATION										
ELECTRICITY GEN.	2,457	-	-	-	-	38,980	67,367	-35,921	72,883	25%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,457	-	-	-	-	38,980	67,367	-35,921	72,883	25%
TOTAL GROSS FLOWS	18,835	10,937	52,842	21,190	-	122,287	70,769	29,278	290,217	100%
LOSSES & EMISSIONS	1,172	0	0	-835	-	-3,304	957	2,429	419	0%
TOTAL NET USAGE	20,007	10,937	52,842	20,354	-	118,982	71,726	-4,213	290,636	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,523	7,023	627,372	-	637,918	100%
HYDROELECTRIC	-	-	-	-	-	-	-	447	447	0%
NUCLEAR	-	-	-	-	-	-	-	1,359	1,359	0%
GEO.&SOLAR	-	-	-	-	-	-	-	712	712	0%
TOTAL SUPPLY	-	-	-	-	3,523	7,023	627,372	2,518	640,436	
NET IMPORTS OF REGION	20,007	10,937	52,842	20,354	-3,523	111,959	-555,645	-6,731	-349,799	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 129 AUSTIN TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,833	1,497	-	11,727	-	31,947	-	31,538	82,542	21%
INDUSTRIAL	2,388	5,880	-	12,958	-	65,984	4,025	13,342	104,577	26%
TRANSPORTATION	9,668	5,381	83,882	7,520	-	1,937	-	-	108,388	27%
MISCELLANEOUS USES	3,572	3,006	-	56	-	1,212	-	613	8,459	2%
TOTAL FINAL DEMAND SECTORS	21,461	15,764	83,882	32,261	-	101,080	4,025	45,493	303,966	77%
TRANSFORMATION										
ELECTRICITY GEN.	3,818	-	-	-	-	57,132	70,399	-43,305	88,044	22%
PETROLEUM PRODUCTS	-14,237	-879	-23,482	-24,711	58,592	5,263	-	-	545	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-10,419	-879	-23,482	-24,711	58,592	62,395	70,399	-43,305	88,589	22%
TOTAL GROSS FLOWS	25,279	15,764	83,882	32,261	58,592	163,475	74,424	45,493	392,555	99%
LOSSES & OMISSIONS	1,573	0	0	-1,272	2,430	-4,417	1,007	3,774	3,097	1%
TOTAL NET USAGE	12,615	14,884	60,400	6,277	61,023	159,057	75,431	5,962	395,652	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	13,872	8,062	398,766	-	420,700	99%
HYDROELECTRIC	-	-	-	-	-	-	-	3,180	3,180	1%
NUCLEAR	-	-	-	-	-	-	-	2,112	2,112	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,106	1,106	0%
TOTAL SUPPLY	-	-	-	-	13,872	8,062	398,766	6,398	427,098	
NET IMPORTS OF REGION	12,615	14,884	60,400	6,277	47,151	150,995	-323,334	-435	-31,445	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.85%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 130 TYLER TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,993	850	-	8,553	-	22,244	-	19,494	55,134	7%
INDUSTRIAL	4,506	15,442	-	92,381	-	214,416	9,053	24,792	360,590	48%
TRANSPORTATION	13,236	2,675	61,681	3,848	-	961	-	-	82,401	11%
MISCELLANEOUS USES	1,021	859	-	15	-	332	-	164	2,391	0%
TOTAL FINAL DEMAND SECTORS	22,756	19,826	61,681	104,797	-	237,953	9,053	44,450	500,516	67%
TRANSFORMATION										
ELECTRICITY GEN.	3,730	-	-	-	-	59,376	307,546	-122,680	247,972	33%
PETROLEUM PRODUCTS	-24,717	-1,527	-40,767	-42,902	101,725	9,137	-	-	949	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-20,987	-1,527	-40,767	-42,902	101,725	68,513	307,546	-122,680	248,921	33%
TOTAL GROSS FLOWS	26,486	19,826	61,681	104,797	101,725	306,466	316,599	44,450	749,437	100%
LOSSES & OMISSIONS	9,648	0	0	-4,133	4,220	-8,281	4,285	3,688	1,427	0%
TOTAL NET USAGE	3,417	18,299	20,914	57,761	105,945	298,185	320,884	-74,541	750,865	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	546,989	145,219	18,801	-	711,009	100%
HYDROELECTRIC	-	-	-	-	-	-	-	61	61	0%
NUCLEAR	-	-	-	-	-	-	-	2,064	2,064	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,080	1,080	0%
TOTAL SUPPLY	-	-	-	-	546,989	145,219	18,801	3,205	714,214	
NET IMPORTS OF REGION	3,417	18,299	20,914	57,761	-441,043	152,965	302,083	-77,746	36,651	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.90%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,960	732	-	5,275	-	15,457	-	10,998	35,422	10%
INDUSTRIAL	4,965	18,303	-	12,922	-	51,427	3,450	10,763	101,830	30%
TRANSPORTATION	8,691	1,942	37,016	4,018	-	1,271	-	-	52,938	16%
MISCELLANEOUS USES	1,081	910	-	16	-	352	-	174	2,533	1%
TOTAL FINAL DEMAND SECTORS	17,697	21,887	37,016	22,231	-	68,507	3,450	21,935	192,723	57%
TRANSFORMATION										
ELECTRICITY GEN.	1,840	-	-	-	-	5,505	206,048	-70,774	142,619	42%
PETROLEUM PRODUCTS	-11,354	-701	-18,728	-19,708	46,730	4,197	-	-	436	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-9,514	-701	-18,728	-19,708	46,730	9,702	206,048	-70,774	143,055	42%
TOTAL GROSS FLOWS	19,537	21,887	37,016	22,231	46,730	78,209	209,498	21,935	335,778	99%
LOSSES & EMISSIONS	1,216	0	0	-876	1,938	-2,113	2,835	1,820	4,820	1%
TOTAL NET USAGE	9,399	21,185	18,288	1,646	48,668	76,096	212,333	-47,018	340,599	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	38,885	21,215	21,061	-	81,161	96%
HYDROELECTRIC	-	-	-	-	-	-	-	1,412	1,412	2%
NUCLEAR	-	-	-	-	-	-	-	1,018	1,018	1%
GEO.&SOLAR	-	-	-	-	-	-	-	533	533	1%
TOTAL SUPPLY	-	-	-	-	38,885	21,215	21,061	2,963	84,124	
NET IMPORTS OF REGION	9,399	21,185	18,288	1,646	9,783	54,881	191,272	-49,981	256,475	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.83%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 132 SHREVEPORT LOUISIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	590	152	-	5,524	-	13,101	1	11,683	31,051	8%
INDUSTRIAL	10,280	45,204	-	14,962	-	196,990	3,231	13,396	285,063	76%
TRANSPORTATION	8,732	1,725	30,776	943	-	655	-	-	42,832	11%
MISCELLANEOUS USES	516	518	-	12	-	258	-	150	1,554	0%
TOTAL FINAL DEMAND SECTORS	20,218	48,599	30,776	21,441	-	211,005	3,232	25,229	360,500	96%
TRANSFORMATION										
ELECTRICITY GEN.	2,117	-	-	-	-	10,821	6,148	-6,307	12,779	3%
PETROLEUM PRODUCTS	-29,314	-1,842	-49,174	-51,749	122,703	11,021	-	-	1,145	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-27,597	-1,842	-49,174	-51,749	122,703	21,842	6,148	-6,307	13,924	4%
TOTAL GROSS FLOWS	22,335	48,599	30,776	27,441	122,703	232,847	9,330	25,229	374,424	100%
LOSSES & OMISSIONS	1,390	0	0	-845	5,090	-6,292	126	2,093	1,564	0%
TOTAL NET USAGE	-6,088	46,757	-18,397	-37,153	127,793	226,555	9,506	21,015	375,988	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	112,876	165,145	-	-	278,021	99%
HYDROELECTRIC	-	-	-	-	-	-	-	35	35	0%
NUCLEAR	-	-	-	-	-	-	-	1,171	1,171	0%
GEO.&SOLAR	-	-	-	-	-	-	-	613	613	0%
TOTAL SUPPLY	-	-	-	-	112,876	165,145	-	1,819	279,840	
NET IMPORTS OF REGION	-6,088	46,757	-18,397	-37,153	14,917	61,410	9,506	19,196	96,148	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 133 MONROE LOUISIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	785	249	-	6,616	-	16,005	2	14,947	38,604	9%
INDUSTRIAL	10,295	52,254	-	31,155	-	166,661	3,289	18,166	281,820	67%
TRANSPORTATION	9,801	4,636	36,724	2,332	-	1,782	-	-	55,325	13%
MISCELLANEOUS USES	855	719	-	15	-	312	-	167	2,068	0%
TOTAL FINAL DEMAND SECTORS	21,736	57,908	36,724	40,118	-	184,760	3,291	33,280	377,817	90%
TRANSFORMATION										
ELECTRICITY GEN.	2,793	-	-	-	-	29,013	34,306	-21,726	44,386	11%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,793	-	-	-	-	29,013	34,306	-21,726	44,386	11%
TOTAL GROSS FLOWS	24,529	57,908	36,724	40,118	-	213,773	37,597	33,280	422,203	101%
LOSSES & OMISSIONS	1,526	1	0	-1,582	-	-5,776	508	2,761	-2,560	0%
TOTAL NET USAGE	26,055	57,909	36,724	38,535	-	207,996	38,105	14,315	419,642	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	88,946	88,497	-	-	177,443	99%
HYDROELECTRIC	-	-	-	-	-	-	-	46	46	0%
NUCLEAR	-	-	-	-	-	-	-	1,545	1,545	1%
GEO.&SOLAR	-	-	-	-	-	-	-	808	808	0%
TOTAL SUPPLY	-	-	-	-	88,946	88,497	-	2,399	179,842	
NET IMPORTS OF REGION	26,055	57,909	36,724	38,535	-88,946	119,499	38,105	11,916	239,800	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 134 GREENVILLE MISSISSIPPI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,627	494	-	4,538	-	9,974	33	13,058	30,724	11%
INDUSTRIAL	7,364	31,450	-	36,540	-	56,102	3,533	23,596	158,590	57%
TRANSPORTATION	8,428	317	36,364	1,460	-	496	-	-	47,065	17%
MISCELLANEOUS USES	261	192	-	7	-	139	-	73	672	0%
TOTAL FINAL DEMAND SECTORS	18,680	32,453	36,364	42,545	-	66,711	3,571	36,727	237,051	85%
TRANSFORMATION										
ELECTRICITY GEN.	4,123	13,403	-	-	-	3,152	31,290	-17,561	34,407	12%
PETROLEUM PRODUCTS	-25,546	-1,640	-43,784	-46,076	109,252	9,813	-	-	1,019	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-22,423	11,762	-43,784	-46,076	109,252	12,965	31,290	-17,561	35,426	13%
TOTAL GROSS FLOWS	22,803	45,856	36,364	42,545	109,252	79,676	34,861	36,727	272,477	98%
LOSSES & OMISSIONS	1,419	0	0	-1,678	4,532	-2,153	471	3,047	5,640	2%
TOTAL NET USAGE	-2,323	44,216	-7,419	-5,209	113,784	77,523	35,332	22,213	278,118	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	52,228	11,926	-	-	64,154	98%
HYDROELECTRIC	-	-	-	-	-	-	-	139	139	0%
NUCLEAR	-	-	-	-	-	-	-	614	614	1%
GEO.&SOLAR	-	-	-	-	-	-	-	321	321	0%
TOTAL SUPPLY	-	-	-	-	52,228	11,926	-	1,074	65,228	
NET IMPORTS OF REGION	-2,323	44,216	-7,419	-5,209	61,556	65,597	35,332	21,139	212,890	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.21%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 135 JACKSON MISSISSIPPI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,781	222	-	5,591	-	8,287	79	25,000	41,960	18%
INDUSTRIAL	1,163	2,713	-	6,760	-	30,404	6,962	24,929	72,931	31%
TRANSPORTATION	16,328	796	52,182	1,705	-	400	-	-	71,411	30%
MISCELLANEOUS USES	466	245	-	18	-	429	1	239	1,398	1%
TOTAL FINAL DEMAND SECTORS	20,738	3,976	52,182	14,074	-	39,520	7,042	50,168	187,700	79%
TRANSFORMATION										
ELECTRICITY GEN.	6,434	-	-	-	-	-	59,904	-22,877	43,461	18%
PETROLEUM PRODUCTS	-1,834	-113	-3,025	-3,183	7,548	678	-	-	70	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	4,599	-113	-3,025	-3,183	7,548	678	59,904	-22,877	43,531	18%
TOTAL GROSS FLOWS	27,172	3,976	52,182	14,074	7,548	40,198	66,946	50,168	231,231	98%
LOSSES & OMISSIONS	1,691	0	0	-555	313	-1,086	906	4,162	5,432	2%
TOTAL NET USAGE	27,029	3,862	49,157	10,335	7,861	39,111	67,852	31,453	236,663	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	34,090	26,802	-	-	60,892	57%
HYDROELECTRIC	-	-	-	-	-	-	-	259	259	0%
NUCLEAR	-	-	-	-	-	-	-	45,389	45,389	43%
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	34,090	26,802	-	45,648	106,540	
NET IMPORTS OF REGION	27,029	3,862	49,157	10,335	-26,228	12,309	67,852	-14,194	130,123	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.51%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 136 MERIDIAN MISSISSIPPI 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,851	156	-	3,944	-	5,660	51	17,228	28,930	14%
INDUSTRIAL	1,028	2,471	-	5,844	-	30,685	4,519	21,661	66,208	33%
TRANSPORTATION	12,287	1,036	36,785	1,474	-	342	-	-	51,924	26%
MISCELLANEOUS USES	330	173	-	14	-	337	-	179	1,033	1%
TOTAL FINAL DEMAND SECTORS	15,536	3,836	36,785	11,276	-	37,024	4,570	39,068	148,095	73%
TRANSFORMATION										
ELECTRICITY GEN.	5,021	3,002	-	-	-	-	61,833	-23,945	45,911	23%
PETROLEUM PRODUCTS	-19,783	-1,222	-32,629	-34,338	81,418	7,313	-	-	759	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-14,762	1,779	-32,629	-34,338	81,418	7,313	61,833	-23,945	46,670	23%
TOTAL GROSS FLOWS	20,557	6,838	36,785	11,276	81,418	44,337	66,403	39,068	194,765	96%
LOSSES & OMISSIONS	1,279	0	0	-444	3,377	-1,193	898	3,241	7,155	4%
TOTAL NET USAGE	2,053	5,615	4,156	-23,506	84,796	43,139	67,301	18,364	201,920	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	167,296	14,067	-	-	181,363	100%
HYDROELECTRIC	-	-	-	-	-	-	-	202	202	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	167,296	14,067	-	202	181,565	
NET IMPORTS OF REGION	2,053	5,615	4,156	-23,506	-82,499	29,072	67,301	18,162	20,355	

NOTES:

1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.72%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATUERAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTEETICS = 0.0 %

BEA ECONOMIC AREA 137 MOBILE ALABAMA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,173	336	-	7,495	-	10,680	74	33,004	54,762	9%
INDUSTRIAL	4,295	12,049	-	32,089	-	77,403	38,983	69,490	234,309	40%
TRANSPORTATION	14,687	3,234	69,402	2,111	-	468	-	-	89,952	15%
MISCELLANEOUS USES	257	136	-	22	-	499	-	202	1,116	0%
TOTAL FINAL DEMAND SECTORS	22,412	15,805	69,402	41,717	-	89,050	39,057	102,696	380,139	64%
TRANSFORMATION										
ELECTRICITY GEN.	13,197	10,186	-	-	-	-	231,870	-87,198	168,055	28%
PETROLEUM PRODUCTS	-161,933	-10,005	-267,085	-281,068	666,445	59,863	-	-	6,217	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-148,736	180	-267,085	-281,068	666,445	59,863	231,870	-87,198	174,272	29%
TOTAL GROSS FLOWS	35,609	25,991	69,402	41,717	666,445	148,913	270,927	102,696	554,411	94%
LOSSES & OMISSIONS	2,216	0	0	-1,645	27,647	-4,023	3,667	8,521	36,383	6%
TOTAL NET USAGE	-124,107	15,985	-197,682	-240,996	694,093	144,889	274,594	24,019	590,795	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	20,458	6,635	-	-	27,093	95%
HYDROELECTRIC	-	-	-	-	-	-	-	1,384	1,384	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	20,458	6,635	-	1,384	28,477	
NET IMPORTS OF REGION	-124,107	15,985	-197,682	-240,996	673,635	138,254	274,594	22,635	562,318	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.84%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 138 NEW ORLEANS LOUISIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,925	886	-	27,509	-	64,632	37	67,730	164,719	5%
INDUSTRIAL	39,268	156,551	-	1,143,479	-	1,228,810	16,352	106,740	2,691,700	77%
TRANSPORTATION	48,567	37,687	161,212	18,528	-	14,359	1	-	280,354	8%
MISCELLANEOUS USES	2,948	2,456	-	47	-	1,038	-	530	7,019	0%
TOTAL FINAL DEMAND SECTORS	94,708	197,580	161,212	1,189,563	-	1,308,839	16,390	175,000	3,143,792	90%
TRANSFORMATION										
ELECTRICITY GEN.	15,561	-	-	-	-	145,961	141,500	-100,267	202,755	6%
PETROLEUM PRODUCTS	-987,044	-60,988	-1,627,991	-1,713,223	4,062,252	364,893	-	-	37,899	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-971,483	-50,988	-1,627,991	-1,713,223	4,062,252	510,854	141,500	-100,267	240,654	7%
TOTAL GROSS FLOWS	110,269	197,580	161,212	1,189,563	4,062,252	1,819,693	158,390	175,000	3,384,446	97%
LOSSES & EMISSIONS	6,863	3	0	-46,921	168,523	-49,172	2,143	14,520	95,962	3%
TOTAL NET USAGE	-369,911	136,595	-1,466,778	-570,581	4,230,775	1,770,520	160,533	89,253	3,480,408	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,455,092	1,490,238	-	-	2,945,330	98%
HYDROELECTRIC	-	-	-	-	-	-	-	316	316	0%
NUCLEAR	-	-	-	-	-	-	-	59,157	59,157	2%
GEO.&SOLAR	-	-	-	-	-	-	-	3,774	3,774	0%
TOTAL SUPPLY	-	-	-	-	1,455,092	1,490,238	-	63,247	3,008,577	
NET IMPORTS OF REGION	-369,911	136,595	-1,466,778	-570,581	2,775,683	280,282	160,533	26,006	471,831	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.91%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 139 LAKE CHARLES LOUISIANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,028	280	-	9,341	-	22,424	2	20,517	53,592	5%
INDUSTRIAL	26,665	98,109	-	220,620	-	487,108	3,824	39,883	876,209	79%
TRANSPORTATION	15,081	12,579	51,929	6,059	-	4,783	-	-	90,431	8%
MISCELLANEOUS USES	1,210	1,019	-	36	-	701	-	464	3,430	0%
TOTAL FINAL DEMAND SECTORS	43,984	111,987	51,929	236,056	-	515,016	3,826	60,864	1,023,662	93%
TRANSFORMATION										
ELECTRICITY GEN.	5,108	-	-	-	-	53,072	41,522	-32,869	66,833	6%
PETROLEUM PRODUCTS	-157,107	-9,707	-259,126	-272,692	646,585	58,079	-	-	6,032	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-151,999	-9,707	-259,126	-272,692	646,585	111,151	41,522	-32,869	72,865	7%
TOTAL GROSS FLOWS	49,092	111,987	51,929	236,056	646,585	626,167	45,348	60,864	1,096,527	99%
LOSSES & OMISSIONS	3,055	2	0	-9,311	26,823	-16,920	613	5,050	9,314	1%
TOTAL NET USAGE	-104,959	102,281	-207,196	-45,947	673,408	609,247	45,961	33,045	1,105,841	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	901,166	1,578,006	-	-	2,479,172	100%
HYDROELECTRIC	-	-	-	-	-	-	-	84	84	0%
NUCLEAR	-	-	-	-	-	-	-	2,826	2,826	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,480	1,480	0%
TOTAL SUPPLY	-	-	-	-	901,166	1,578,006	-	4,390	2,483,562	
NET IMPORTS OF REGION	-104,959	102,281	-207,196	-45,947	-227,757	-968,758	45,961	28,655	-1,377,720	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.03%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 140 BEAUMONT-PORT ARTHUR-ORANGE TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,281	401	-	5,042	-	12,862	-	10,733	31,279	3%
INDUSTRIAL	6,635	28,111	-	458,515	-	414,171	6,770	31,324	945,546	81%
TRANSPORTATION	5,576	4,319	36,469	5,996	-	1,554	-	-	53,914	5%
MISCELLANEOUS USES	412	364	-	7	-	149	-	76	1,028	0%
TOTAL FINAL DEMAND SECTORS	14,904	33,195	36,469	469,560	-	428,735	6,770	42,133	1,031,767	89%
TRANSFORMATION										
ELECTRICITY GEN.	3,536	-	-	-	-	44,344	10,267	-19,108	39,039	3%
PETROLEUM PRODUCTS	-593,360	-36,663	-978,664	-1,029,901	2,442,015	219,354	-	-	22,781	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-589,824	-36,663	-978,664	-1,029,901	2,442,015	263,698	10,267	-19,108	61,820	5%
TOTAL GROSS FLOWS	18,440	33,195	36,469	469,560	2,442,015	692,434	17,037	42,133	1,093,587	94%
LOSSES & OMISSIONS	1,147	0	0	-18,521	101,307	-18,711	230	3,495	68,950	6%
TOTAL NET USAGE	-573,772	-3,467	-942,194	-578,862	2,543,322	673,722	17,267	26,520	1,162,537	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	67,450	66,085	-	-	133,536	98%
HYDROELECTRIC	-	-	-	-	-	-	-	58	58	0%
NUCLEAR	-	-	-	-	-	-	-	1,956	1,956	1%
GEO.&SOLAR	-	-	-	-	-	-	-	1,024	1,024	1%
TOTAL SUPPLY	-	-	-	-	67,450	66,085	-	3,038	136,574	
NET IMPORTS OF REGION	-573,772	-3,467	-942,194	-578,862	2,475,872	607,635	17,267	23,482	1,025,963	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.14%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 141 HOUSTON TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	20,891	4,865	-	43,529	-	116,192	-	108,696	294,173	6%
INDUSTRIAL	26,548	103,104	-	1,534,107	-	1,658,327	34,764	130,081	3,486,931	74%
TRANSPORTATION	67,653	42,521	312,469	59,311	-	15,309	1	-	497,264	11%
MISCELLANEOUS USES	5,264	4,430	-	80	-	1,735	-	865	12,374	0%
TOTAL FINAL DEMAND SECTORS	120,356	154,920	312,469	1,637,027	-	1,791,563	34,765	239,642	4,290,742	91%
TRANSFORMATION										
ELECTRICITY GEN.	20,111	-	-	-	-	202,862	252,153	-155,652	319,474	7%
PETROLEUM PRODUCTS	-1,036,632	-64,052	-1,709,780	-1,799,294	4,266,337	383,225	-	-	39,804	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-1,016,521	-64,052	-1,709,780	-1,799,294	4,266,337	586,087	252,153	-155,652	359,278	8%
TOTAL GROSS FLOWS	140,467	154,920	312,469	1,637,027	4,266,337	2,377,650	286,918	239,642	4,650,020	98%
LOSSES & EMISSIONS	8,743	3	1	-64,571	176,990	-64,249	3,883	19,884	80,684	2%
TOTAL NET USAGE	-887,421	90,871	-1,397,309	-226,838	4,443,327	2,313,400	290,801	103,874	4,730,704	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	705,103	556,150	-	-	1,261,253	96%
HYDROELECTRIC	-	-	-	-	-	-	-	330	330	0%
NUCLEAR	-	-	-	-	-	-	-	48,569	48,569	4%
GEO.&SOLAR	-	-	-	-	-	-	-	5,825	5,825	0%
TOTAL SUPPLY	-	-	-	-	705,103	556,150	-	54,724	1,315,977	
NET IMPORTS OF REGION	-887,421	90,871	-1,397,309	-226,838	3,738,224	1,757,250	290,801	49,150	3,414,727	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.24%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 142 SAN ANTONIO TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,700	1,850	-	18,670	-	48,958	-	43,969	122,157	15%
INDUSTRIAL	4,385	13,323	-	113,636	-	205,259	6,327	24,849	367,789	45%
TRANSPORTATION	20,056	7,974	134,431	11,226	-	2,859	-	-	176,556	22%
MISCELLANEOUS USES	5,367	4,517	-	112	-	2,311	-	1,292	13,599	2%
TOTAL FINAL DEMAND SECTORS	38,508	27,664	134,431	143,644	-	259,417	6,327	70,110	680,101	83%
TRANSFORMATION										
ELECTRICITY GEN.	5,884	-	-	-	-	76,517	128,056	-69,474	140,983	17%
PETROLEUM PRODUCTS	-2,017	-124	-3,327	-3,502	8,303	745	-	-	77	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	3,866	-124	-3,327	-3,502	8,303	77,262	128,056	-69,474	141,060	17%
TOTAL GROSS FLOWS	44,392	27,664	134,431	143,644	8,303	336,679	134,383	70,110	821,161	100%
LOSSES & OMISSIONS	2,763	0	0	-5,665	344	-9,097	1,818	5,817	-4,018	0%
TOTAL NET USAGE	45,137	27,539	131,103	134,476	8,648	327,582	136,201	6,453	817,142	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	182,072	142,699	-	-	324,771	98%
HYDROELECTRIC	-	-	-	-	-	-	-	1,235	1,235	0%
NUCLEAR	-	-	-	-	-	-	-	3,255	3,255	1%
GEO.&SOLAR	-	-	-	-	-	-	-	1,704	1,704	1%
TOTAL SUPPLY	-	-	-	-	182,072	142,699	-	6,194	330,965	
NET IMPORTS OF REGION	45,137	27,539	131,103	134,476	-173,423	184,883	136,201	259	486,177	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.85%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 143 CORPUS CHRISTI TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,057	535	-	6,738	-	17,537	-	15,480	43,407	8%
INDUSTRIAL	4,574	16,351	-	91,370	-	220,634	3,417	16,904	353,250	63%
TRANSPORTATION	8,708	7,406	48,573	10,287	-	2,667	-	-	77,641	14%
MISCELLANEOUS USES	1,873	1,576	-	35	-	744	-	403	4,631	1%
TOTAL FINAL DEMAND SECTORS	18,212	25,928	48,573	108,430	-	241,582	3,417	32,787	478,929	85%
TRANSFORMATION										
ELECTRICITY GEN.	2,751	-	-	-	-	45,685	7,990	-18,519	37,907	7%
PETROLEUM PRODUCTS	-258,631	-15,931	-426,576	-448,909	1,064,416	95,611	-	-	9,930	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-255,880	-15,931	-426,576	-448,909	1,064,416	141,296	7,990	-18,519	47,837	9%
TOTAL GROSS FLOWS	20,963	25,928	48,573	108,430	1,064,416	382,878	11,407	32,787	526,766	94%
LOSSES & OMISSIONS	1,304	0	0	-4,276	44,157	-10,346	154	2,720	33,714	6%
TOTAL NET USAGE	-236,363	9,947	-378,002	-344,755	1,108,573	372,532	11,561	16,988	560,481	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	531,574	671,005	-	-	1,202,579	100%
HYDROELECTRIC	-	-	-	-	-	-	-	45	45	0%
NUCLEAR	-	-	-	-	-	-	-	1,522	1,522	0%
GEO.&SOLAR	-	-	-	-	-	-	-	797	797	0%
TOTAL SUPPLY	-	-	-	-	531,574	671,005	-	2,364	1,204,943	
NET IMPORTS OF REGION	-236,363	9,947	-378,002	-344,755	576,999	-298,472	11,561	14,624	-644,461	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.18%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 144 MCALLEN-PHARR-EDINBURG TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,508	655	-	7,254	-	18,781	-	16,336	46,334	26%
INDUSTRIAL	1,112	2,145	-	4,870	-	28,180	407	6,897	43,611	24%
TRANSPORTATION	5,588	5,902	52,343	8,177	-	2,125	-	-	74,135	42%
MISCELLANEOUS USES	953	802	-	14	-	311	-	155	2,235	1%
TOTAL FINAL DEMAND SECTORS	10,961	9,504	52,343	20,315	-	49,397	407	23,388	166,315	93%
TRANSFORMATION										
ELECTRICITY GEN.	1,963	-	-	-	-	9,363	5,699	-5,628	11,397	6%
PETROLEUM PRODUCTS	-2,385	-147	-3,934	-4,140	9,816	881	-	-	91	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-422	-147	-3,934	-4,140	9,816	10,244	5,699	-5,628	11,488	6%
TOTAL GROSS FLOWS	12,924	9,504	52,343	20,315	9,816	59,641	6,106	23,388	177,803	100%
LOSSES & OMISSIONS	604	0	0	-801	407	-1,611	82	1,940	822	0%
TOTAL NET USAGE	11,343	9,356	48,409	15,373	10,224	58,030	6,188	19,700	178,626	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	66,854	107,122	-	-	173,976	99%
HYDROELECTRIC	-	-	-	-	-	-	-	479	479	0%
NUCLEAR	-	-	-	-	-	-	-	1,086	1,086	1%
GEO.&SOLAR	-	-	-	-	-	-	-	568	568	0%
TOTAL SUPPLY	-	-	-	-	66,854	107,122	-	2,133	176,109	
NET IMPORTS OF REGION	11,343	9,356	48,409	15,373	-56,629	-49,091	6,188	17,567	2,517	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.94%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 145 EL PASO TEXAS 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,114	831	-	10,981	-	32,251	1	22,734	71,912	19%
INDUSTRIAL	2,235	6,253	-	10,760	-	136,629	2,841	7,688	166,406	43%
TRANSPORTATION	16,837	2,898	78,927	8,227	-	2,041	-	-	108,930	28%
MISCELLANEOUS USES	2,659	2,237	-	54	-	1,173	-	635	6,758	2%
TOTAL FINAL DEMAND SECTORS	26,845	12,219	78,927	30,022	-	172,094	2,842	31,057	354,006	91%
TRANSFORMATION										
ELECTRICITY GEN.	2,607	-	-	-	-	21,326	7,568	-10,097	21,404	6%
PETROLEUM PRODUCTS	-68,927	-4,258	-113,684	-119,635	283,671	25,480	-	-	2,646	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-66,320	-4,258	-113,684	-119,635	283,671	46,806	7,568	-10,097	24,050	6%
TOTAL GROSS FLOWS	29,452	12,219	78,927	30,022	283,671	218,900	10,410	31,057	378,056	98%
LOSSES & OMISSIONS	1,833	0	0	-1,184	11,768	-5,915	140	2,576	9,220	2%
TOTAL NET USAGE	-37,641	7,960	-34,756	-90,797	295,439	212,985	10,550	23,536	387,277	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	263,785	393,939	-	-	657,724	100%
HYDROELECTRIC	-	-	-	-	-	-	-	368	368	0%
NUCLEAR	-	-	-	-	-	-	-	1,442	1,442	0%
GEO.&SOLAR	-	-	-	-	-	-	-	755	755	0%
TOTAL SUPPLY	-	-	-	-	263,785	393,939	-	2,565	660,289	
NET IMPORTS OF REGION	-37,641	7,950	-34,756	-90,797	31,654	-180,953	10,550	20,971	-273,011	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.95%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.86%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 146 ALBUQUERQUE NEW MEXICO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,551	646	-	10,255	-	34,931	2	19,921	70,706	31%
INDUSTRIAL	1,065	1,301	-	2,281	-	16,008	1,439	2,609	24,703	11%
TRANSPORTATION	16,278	-	73,244	12,304	-	2,982	-	-	104,808	47%
MISCELLANEOUS USES	2,158	1,816	-	36	-	789	-	392	5,191	2%
TOTAL FINAL DEMAND SECTORS	24,452	3,763	73,244	24,876	-	54,710	1,441	22,922	205,408	91%
TRANSFORMATION										
ELECTRICITY GEN.	1,524	-	-	-	-	8,304	14,483	-8,182	16,529	7%
PETROLEUM PRODUCTS	-7,860	-485	-12,965	-13,644	32,351	2,906	-	-	302	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-5,536	-485	-12,965	-13,644	32,351	11,210	14,483	-8,182	16,831	7%
TOTAL GROSS FLOWS	26,376	3,763	73,244	24,876	32,351	65,920	15,924	22,922	222,239	99%
LOSSES & OMISSIONS	1,641	0	0	-981	1,342	-1,781	215	1,901	2,339	1%
TOTAL NET USAGE	20,156	3,277	60,279	10,250	33,693	64,138	16,139	16,641	224,578	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	21,699	107,805	84,232	-	213,736	99%
HYDROELECTRIC	-	-	-	-	-	-	-	32	32	0%
NUCLEAR	-	-	-	-	-	-	-	1,064	1,064	0%
GEO.&SOLAR	-	-	-	-	-	-	-	557	557	0%
TOTAL SUPPLY	-	-	-	-	21,699	107,805	84,232	1,653	215,389	
NET IMPORTS OF REGION	20,156	3,277	60,279	10,250	11,994	-43,666	-68,092	14,988	9,189	

BEA ECONOMIC AREA 147 COLORADO SPRINGS COLORADO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	4,154	953	-	13,014	-	44,710	16	22,806	85,653	30%
INDUSTRIAL	8,412	2,500	-	18,380	-	1,859	47,822	2,502	81,475	28%
TRANSPORTATION	5,299	21	53,745	9,055	-	518	1	-	68,639	24%
MISCELLANEOUS USES	2,512	794	-	124	-	1,270	-	960	5,660	2%
TOTAL FINAL DEMAND SECTORS	20,377	4,268	53,745	40,573	-	48,357	47,839	26,268	241,427	83%
TRANSFORMATION										
ELECTRICITY GEN.	878	-	-	-	-	218	66,861	-21,301	46,656	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	878	-	-	-	-	218	66,861	-21,301	46,656	16%
TOTAL GROSS FLOWS	21,255	4,268	53,745	40,573	-	48,575	114,700	26,268	288,083	99%
LOSSES & OMISSIONS	1,322	0	0	-1,600	-	-1,312	1,552	2,179	2,142	1%
TOTAL NET USAGE	22,577	4,268	53,745	38,972	-	47,262	116,252	7,146	290,225	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,176	5,798	89,156	-	98,130	97%
HYDROELECTRIC	-	-	-	-	-	-	-	1,197	1,197	1%
NUCLEAR	-	-	-	-	-	-	-	426	426	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,669	1,669	2%
TOTAL SUPPLY	-	-	-	-	3,176	5,798	89,156	3,292	101,422	
NET IMPORTS OF REGION	22,577	4,268	53,745	38,972	-3,176	41,464	27,096	3,854	188,803	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.66%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 148 DENVER COLORADO 1990

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	14,059	3,242	-	42,156	-	146,032	57	77,186	282,732	32%
INDUSTRIAL	29,996	15,056	-	50,930	-	22,521	105,652	10,760	234,915	26%
TRANSPORTATION	19,838	46	173,836	51,223	-	2,940	2	-	247,885	28%
MISCELLANEOUS USES	3,467	1,092	-	137	-	1,148	-	1,034	6,878	1%
TOTAL FINAL DEMAND SECTORS	67,360	19,436	173,836	144,446	-	172,641	105,711	88,980	772,410	87%
TRANSFORMATION										
ELECTRICITY GEN.	3,122	-	-	-	-	731	152,678	-49,091	107,440	12%
PETROLEUM PRODUCTS	-36,846	-11,776	-61,788	-17,526	124,634	5,248	-	-	1,946	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-33,724	-11,776	-61,788	-17,526	124,634	5,979	152,678	-49,091	109,386	.12%
TOTAL GROSS FLOWS	70,482	19,436	173,836	144,446	124,634	178,620	258,389	88,980	881,796	99%
LOSSES & EMISSIONS	4,387	0	0	-5,697	5,170	-4,826	3,497	7,383	9,914	1%
TOTAL NET USAGE	38,023	7,660	112,048	121,222	129,804	173,794	261,886	47,272	891,711	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	45,935	37,739	46,322	-	129,996	90%
HYDROELECTRIC	-	-	-	-	-	-	-	8,173	8,173	6%
NUCLEAR	-	-	-	-	-	-	-	1,430	1,430	1%
GEO.&SOLAR	-	-	-	-	-	-	-	5,609	5,609	4%
TOTAL SUPPLY	-	-	-	-	45,935	37,739	46,322	15,212	145,208	
NET IMPORTS OF REGION	38,023	7,660	112,048	121,222	83,869	136,055	215,564	32,060	746,503	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.54%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 149 GRAND JUNCTION COLORADO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,607	534	-	7,025	-	23,945	8	12,261	46,380	12%
INDUSTRIAL	13,665	2,912	-	3,373	-	29,301	11,848	2,738	63,837	17%
TRANSPORTATION	3,273	8	32,664	7,344	-	707	-	-	43,996	12%
MISCELLANEOUS USES	753	331	-	24	-	208	-	180	1,496	0%
TOTAL FINAL DEMAND SECTORS	20,298	3,785	32,664	17,766	-	54,161	11,856	15,179	155,709	41%
TRANSFORMATION										
ELECTRICITY GEN.	637	-	-	-	-	105	321,608	-105,025	217,325	57%
PETROLEUM PRODUCTS	-13,333	-2,414	-22,163	-15,366	50,352	3,526	-	-	600	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-106,383	-93,920	196,336	-	-3,967	0%
NET FUEL USED IN TRANSFORMATION	-12,696	-2,414	-22,163	-15,366	-56,030	-90,288	517,944	-105,025	213,958	56%
TOTAL GROSS FLOWS	20,935	3,785	32,664	17,766	50,352	57,792	529,800	15,179	373,634	99%
LOSSES & OMISSIONS	1,303	0	0	-700	2,088	-1,561	7,171	1,259	9,560	3%
TOTAL NET USAGE	8,904	1,370	10,501	1,698	-53,941	-37,688	536,971	-88,586	379,228	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	159,065	326,558	1,064,554	-	1,550,177	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,497	3,497	0%
NUCLEAR	-	-	-	-	-	-	-	320	320	0%
GEO.&SOLAR	-	-	-	-	-	-	-	868	868	0%
TOTAL SUPPLY	-	-	-	-	159,065	326,558	1,064,554	4,685	1,554,862	
NET IMPORTS OF REGION	8,904	1,370	10,501	1,698	-213,006	-364,246	-527,582	-93,271	-1,175,633	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =67.42%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.12%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =-2.02%

BEA ECONOMIC AREA 150 CHEYENNE WYOMING 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,046	1,814	-	5,545	-	19,862	8	14,362	48,637	16%
INDUSTRIAL	29,082	7,451	-	7,961	-	10,499	28,339	4,888	88,220	30%
TRANSPORTATION	15,645	520	33,994	1,056	-	282	1	-	51,498	17%
MISCELLANEOUS USES	833	264	-	28	-	259	-	199	1,583	1%
TOTAL FINAL DEMAND SECTORS	52,606	10,049	33,994	14,590	-	30,902	28,348	19,449	189,938	64%
TRANSFORMATION										
ELECTRICITY GEN.	642	-	-	-	-	161	119,174	-37,583	82,394	28%
PETROLEUM PRODUCTS	-108,742	-34,754	-182,355	-51,725	367,832	15,490	-	-	5,746	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-108,100	-34,754	-182,355	-51,725	367,832	15,651	119,174	-37,583	88,140	30%
TOTAL GROSS FLOWS	53,248	10,049	33,994	14,590	367,832	46,553	147,522	19,449	278,078	93%
LOSSES & OMISSIONS	3,314	0	0	-575	15,259	-1,257	1,996	1,613	20,351	7%
TOTAL NET USAGE	-52,179	-24,704	-148,360	-37,710	383,091	45,295	149,518	-16,520	298,430	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	329,560	126,685	1,920,150	-	2,376,395	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,316	3,316	0%
NUCLEAR	-	-	-	-	-	-	-	315	315	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,235	1,235	0%
TOTAL SUPPLY	-	-	-	-	329,560	126,685	1,920,150	4,866	2,381,261	
NET IMPORTS OF REGION	-52,179	-24,704	-148,360	-37,710	53,531	-81,389	-1,770,631	-21,386	-2,082,830	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 58.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 151 SALT LAKE CITY UTAH 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	18,411	4,104	-	28,623	-	91,977	56	45,576	188,747	23%
INDUSTRIAL	38,123	35,620	-	72,641	-	17,003	152,086	15,555	331,028	40%
TRANSPORTATION	26,894	232	132,742	9,779	-	778	2	-	170,427	21%
MISCELLANEOUS USES	6,073	1,919	-	216	-	1,587	1	1,633	11,429	1%
TOTAL FINAL DEMAND SECTORS	89,501	41,875	132,742	111,259	-	111,345	152,145	62,764	701,631	86%
TRANSFORMATION										
ELECTRICITY GEN.	2,007	-	-	-	-	500	274,546	-86,801	190,252	23%
PETROLEUM PRODUCTS	-104,516	-33,402	-175,267	-49,715	353,536	14,888	-	-	5,523	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-102,128	-	-	-	-102,128	-11%
NET FUEL USED IN TRANSFORMATION	-102,509	-33,402	-175,267	-49,715	251,408	15,388	274,546	-86,801	93,647	11%
TOTAL GROSS FLOWS	91,508	41,875	132,742	111,259	353,536	126,733	426,691	62,764	897,406	110%
LOSSES & EMISSIONS	5,695	0	0	-4,388	14,666	-3,424	5,775	5,207	23,534	3%
TOTAL NET USAGE	-7,312	8,473	-42,525	57,154	266,075	123,309	432,466	-18,829	818,812	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	169,455	158,708	1,151,569	-	1,479,732	99%
HYDROELECTRIC	-	-	-	-	-	-	-	7,471	7,471	1%
NUCLEAR	-	-	-	-	-	-	-	978	978	0%
GEO.&SOLAR	-	-	-	-	-	-	-	3,896	3,896	0%
TOTAL SUPPLY	-	-	-	-	169,455	158,708	1,151,569	12,345	1,492,077	
NET IMPORTS OF REGION	-7,312	8,473	-42,525	57,154	96,620	-35,398	-719,102	-31,174	-673,264	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.67%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.50%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS =*****%

BEA ECONOMIC AREA 152 IDAHO FALLS IDAHO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	7,962	408	-	4,929	-	1,291	37	22,701	37,328	28%
INDUSTRIAL	2,673	663	-	2,705	-	18	18,467	16,042	40,568	30%
TRANSPORTATION	8,634	-	39,660	2,776	-	87	1	-	51,158	38%
MISCELLANEOUS USES	298	110	-	2	-	5	-	143	558	0%
TOTAL FINAL DEMAND SECTORS	19,567	1,181	39,660	10,412	-	1,401	18,505	38,886	129,612	97%
TRANSFORMATION										
ELECTRICITY GEN.	254	-	-	-	-	4	-	-90	168	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	254	-	-	-	-	4	-	-90	168	0%
TOTAL GROSS FLOWS	19,821	1,181	39,660	10,412	-	1,405	18,505	38,886	129,780	97%
LOSSES & OMISSIONS	1,233	0	0	-410	-	-37	250	3,226	4,262	3%
TOTAL NET USAGE	21,054	1,181	39,660	10,001	-	1,367	18,755	42,022	134,042	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	16,796	16,796	94%
NUCLEAR	-	-	-	-	-	-	-	7	7	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,010	1,010	6%
TOTAL SUPPLY	-	-	-	-	-	-	-	17,813	17,813	
NET IMPORTS OF REGION	21,054	1,181	39,660	10,001	-	1,367	18,755	24,209	116,229	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =65.12%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 153 BUTTE MONTANA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,537	689	-	6,048	-	20,725	22	12,765	43,786	27%
INDUSTRIAL	8,279	3,071	-	5,527	-	3,828	17,708	26,323	64,736	40%
TRANSPORTATION	14,436	92	28,505	4,371	-	469	1	-	47,874	29%
MISCELLANEOUS USES	580	184	-	20	-	154	-	153	1,091	1%
TOTAL FINAL DEMAND SECTORS	26,832	4,036	28,505	15,966	-	25,176	17,731	39,241	157,487	97%
TRANSFORMATION										
ELECTRICITY GEN.	1,295	-	-	-	-	325	-	-539	1,081	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,295	-	-	-	-	325	-	-539	1,081	1%
TOTAL GROSS FLOWS	28,127	4,036	28,505	15,966	-	25,501	17,731	39,241	158,568	98%
LOSSES & OMISSIONS	1,750	0	0	-629	-	-689	240	3,255	3,928	2%
TOTAL NET USAGE	29,877	4,036	28,505	15,336	-	24,811	17,971	41,957	162,496	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	31,300	31,300	91%
NUCLEAR	-	-	-	-	-	-	-	636	636	2%
GEO.&SOLAR	-	-	-	-	-	-	-	2,493	2,493	7%
TOTAL SUPPLY	-	-	-	-	-	-	-	34,429	34,429	
NET IMPORTS OF REGION	29,877	4,036	28,505	15,336	-	24,811	17,971	7,528	128,067	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.73%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 154 SPOKANE WASHINGTON 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,454	2,247	-	8,888	-	2,662	33	45,582	76,866	30%
INDUSTRIAL	12,644	4,575	-	16,168	-	-	14,031	42,814	90,232	35%
TRANSPORTATION	9,524	994	61,505	5,403	-	80	1	-	77,507	30%
MISCELLANEOUS USES	522	193	-	2	-	-	-	242	959	0%
TOTAL FINAL DEMAND SECTORS	40,144	8,009	61,505	30,461	-	2,742	14,065	88,638	245,564	96%
TRANSFORMATION										
ELECTRICITY GEN.	616	-	-	-	-	-	-	-217	399	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	616	-	-	-	-	-	-	-217	399	0%
TOTAL GROSS FLOWS	40,760	8,009	61,505	30,461	-	2,742	14,065	88,638	245,963	97%
LOSSES & OMISSIONS	2,537	0	0	-1,201	-	-74	190	7,354	8,806	3%
TOTAL NET USAGE	43,297	8,009	61,505	29,259	-	2,667	14,255	95,775	254,769	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	303,449	303,449	99%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	2,264	2,264	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	305,713	305,713	
NET IMPORTS OF REGION	43,297	8,009	61,505	29,259	-	2,667	14,255	-209,937	-50,943	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 155 SEATTLE-EVERETT WASHINGTON 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	58,573	9,043	-	27,656	-	9,484	80	151,208	256,044	28%
INDUSTRIAL	39,438	52,163	-	109,330	-	-	23,677	78,722	303,330	33%
TRANSPORTATION	22,395	10,926	180,540	54,054	-	721	2	-	268,638	29%
MISCELLANEOUS USES	3,104	1,151	-	16	-	-	4	1,427	5,702	1%
TOTAL FINAL DEMAND SECTORS	123,510	73,283	180,540	191,056	-	10,205	23,763	231,357	833,714	90%
TRANSFORMATION										
ELECTRICITY GEN.	1,557	-	-	-	-	-	54,294	-17,873	37,978	4%
PETROLEUM PRODUCTS	-120,495	-118,027	-281,853	-193,485	713,903	2,527	-	-	2,570	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-118,938	-118,027	-281,853	-193,485	713,903	2,527	54,294	-17,873	40,548	4%
TOTAL GROSS FLOWS	125,067	73,283	180,540	191,056	713,903	12,732	78,057	231,357	874,262	95%
LOSSES & OMISSIONS	7,784	1	0	-7,536	29,616	-344	1,056	19,196	49,776	5%
TOTAL NET USAGE	12,356	-44,742	-101,312	-9,965	743,519	12,388	79,113	232,680	924,038	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	135,660	-	135,660	48%
HYDROELECTRIC	-	-	-	-	-	-	-	70,545	70,545	25%
NUCLEAR	-	-	-	-	-	-	-	68,219	68,219	24%
GEO.&SOLAR	-	-	-	-	-	-	-	5,909	5,909	2%
TOTAL SUPPLY	-	-	-	-	-	-	135,660	144,673	280,333	
NET IMPORTS OF REGION	12,356	-44,742	-101,312	-9,965	743,519	12,388	-56,546	88,007	643,705	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.00%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 156 YAKIMA WASHINGTON 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	11,295	1,863	-	5,159	-	1,774	20	28,192	48,303	34%
INDUSTRIAL	7,207	1,876	-	4,723	-	-	2,246	11,997	28,049	20%
TRANSPORTATION	6,032	757	34,879	3,681	-	55	1	-	45,405	32%
MISCELLANEOUS USES	383	142	-	2	-	-	-	176	703	0%
TOTAL FINAL DEMAND SECTORS	24,917	4,638	34,879	13,565	-	1,829	2,267	40,365	122,460	86%
TRANSFORMATION										
ELECTRICITY GEN.	251	-	-	-	-	-	22,622	-7,307	15,566	11%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	251	-	-	-	-	-	22,622	-7,307	15,566	11%
TOTAL GROSS FLOWS	25,168	4,638	34,879	13,565	-	1,829	24,889	40,365	138,026	97%
LOSSES & OMISSIONS	1,566	0	0	-535	-	-49	336	3,349	4,668	3%
TOTAL NET USAGE	26,734	4,638	34,879	13,029	-	1,779	25,225	36,407	142,694	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	55,669	55,669	46%
NUCLEAR	-	-	-	-	-	-	-	65,575	65,575	54%
GEO.&SOLAR	-	-	-	-	-	-	-	1,031	1,031	1%
TOTAL SUPPLY	-	-	-	-	-	-	-	122,275	122,275	
NET IMPORTS OF REGION	26,734	4,638	34,879	13,029	-	1,779	25,225	-85,867	20,419	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =68.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 157 PORTLAND OREGON-WASHINGTON 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	52,654	9,919	-	22,255	-	7,709	163	116,356	209,056	27%
INDUSTRIAL	49,270	32,401	-	68,447	-	-	37,198	118,179	305,495	40%
TRANSPORTATION	33,331	2,556	164,211	14,087	-	280	2	-	214,467	28%
MISCELLANEOUS USES	1,192	442	-	7	-	-	1	535	2,177	0%
TOTAL FINAL DEMAND SECTORS	136,447	45,318	164,211	104,796	-	7,989	37,364	235,070	731,195	95%
TRANSFORMATION										
ELECTRICITY GEN.	2,112	-	-	-	-	-	1,584	-1,247	2,449	0%
PETROLEUM PRODUCTS	-46,782	-45,823	-109,428	-75,120	277,169	981	-	-	997	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-44,670	-45,823	-109,428	-75,120	277,169	981	1,584	-1,247	3,446	0%
TOTAL GROSS FLOWS	138,559	45,318	164,211	104,796	277,169	8,970	38,948	235,070	734,641	95%
LOSSES & OMISSIONS	8,624	0	0	-4,133	11,498	-242	527	19,504	35,780	5%
TOTAL NET USAGE	100,401	-504	54,783	25,542	288,667	8,727	39,475	253,327	770,421	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	144,972	144,972	87%
NUCLEAR	-	-	-	-	-	-	-	15,247	15,247	9%
GEO.&SOLAR	-	-	-	-	-	-	-	6,003	6,003	4%
TOTAL SUPPLY	-	-	-	-	-	-	-	166,222	166,222	
NET IMPORTS OF REGION	100,401	-504	54,783	25,542	288,667	8,727	39,475	87,105	604,199	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.26%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 158 EUGENE OREGON 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**9 BTU'S)							
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	19.711	3,763	-	8,301	-	2,880	65	42,847	77,567	35%
INDUSTRIAL	13.630	4,241	-	12,023	-	-	4,701	19,894	54,489	25%
TRANSPORTATION	11.821	728	62,378	3,916	-	87	1	-	78,931	36%
MISCELLANEOUS USES	574	213	-	3	-	-	-	243	1,033	0%
TOTAL FINAL DEMAND SECTORS	45.736	8,945	62,378	24,243	-	2,967	4,767	62,984	212,020	97%
TRANSFORMATION										
ELECTRICITY GEN.	391	-	-	-	-	-	-	-138	253	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	391	-	-	-	-	-	-	-138	253	0%
TOTAL GROSS FLOWS	46.127	8,945	62,378	24,243	-	2,967	4,767	62,984	212,273	97%
LOSSES & OMISSIONS	2.871	0	0	-956	-	-80	64	5,226	7,129	3%
TOTAL NET USAGE	48.998	8,945	62,378	23,286	-	2,886	4,831	68,072	219,398	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	20,150	20,150	93%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	1,609	1,609	7%
TOTAL SUPPLY	-	-	-	-	-	-	-	21,759	21,759	
NET IMPORTS OF REGION	48.998	8,945	62,378	23,286	-	2,886	4,831	46,313	197,639	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 159 BOISE CITY IDAHO 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	8,037	539	-	4,739	-	884	36	22,502	36,737	33%
INDUSTRIAL	2,234	424	-	1,775	-	-	9,149	10,677	24,259	22%
TRANSPORTATION	4,945	42	38,068	2,476	-	62	-	-	45,593	41%
MISCELLANEOUS USES	475	178	-	2	-	-	-	245	900	1%
TOTAL FINAL DEMAND SECTORS	15,691	1,183	38,068	8,992	-	946	9,185	33,424	107,489	97%
TRANSFORMATION										
ELECTRICITY GEN.	208	-	-	-	-	-	-	-73	135	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	208	-	-	-	-	-	-	-73	135	0%
TOTAL GROSS FLOWS	15,899	1,183	38,068	8,992	-	946	9,185	33,424	107,624	97%
LOSSES & OMISSIONS	989	0	0	-354	-	-25	124	2,773	3,507	3%
TOTAL NET USAGE	16,888	1,183	38,068	8,637	-	920	9,309	36,124	111,131	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	16,515	16,515	95%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	853	853	5%
TOTAL SUPPLY	-	-	-	-	-	-	-	17,368	17,368	
NET IMPORTS OF REGION	16,888	1,183	38,068	8,637	-	920	9,309	18,756	93,763	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.90%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 160 RENO NEVADA 1990

REGIONAL ENERGY BALANCE STATEMENT
EIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,457	40	-	3,022	-	6,007	1	9,999	21,526	15%
INDUSTRIAL	3,599	2,543	-	3,171	-	21,273	3,757	11,898	45,246	31%
TRANSPORTATION	7,530	-	34,982	11,394	-	1,023	-	-	55,029	38%
MISCELLANEOUS USES	149	37	-	1	-	263	-	115	565	0%
TOTAL FINAL DEMAND SECTORS	14,835	2,620	34,982	15,588	-	28,571	3,758	22,012	122,366	84%
TRANSFORMATION										
ELECTRICITY GEN.	18	-	-	-	-	17,367	15,999	-11,960	21,424	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	18	-	-	-	-	17,367	15,999	-11,960	21,424	15%
TOTAL GROSS FLOWS	14,853	2,620	34,982	15,588	-	45,938	19,757	22,012	143,790	99%
LOSSES & OMISSIONS	924	0	0	-614	-	-1,241	257	1,826	1,162	1%
TOTAL NET USAGE	15,777	2,620	34,982	14,973	-	44,696	20,024	11,878	144,952	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	413	413	22%
NUCLEAR	-	-	-	-	-	-	-	53	53	3%
GEO.&SOLAR	-	-	-	-	-	-	-	1,383	1,383	75%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,849	1,849	
NET IMPORTS OF REGION	15,777	2,620	34,982	14,973	-	44,696	20,024	10,029	143,103	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.1%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 161 LAS VEGAS NEVADA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	5,309	171	-	3,938	-	11,982	4	15,462	36,866	12%
INDUSTRIAL	6,173	3,836	-	8,581	-	23,938	6,579	15,186	64,293	22%
TRANSPORTATION	4,958	3	53,243	23,347	-	2,093	-	-	83,644	28%
MISCELLANEOUS USES	253	69	-	4	-	351	-	176	853	0%
TOTAL FINAL DEMAND SECTORS	16,693	4,079	53,243	35,870	-	38,364	6,583	30,824	185,656	62%
TRANSFORMATION										
ELECTRICITY GEN.	1,789	-	-	-	-	10,972	149,828	-54,124	108,465	36%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,789	-	-	-	-	10,972	149,828	-54,124	108,465	36%
TOTAL GROSS FLOWS	18,482	4,079	53,243	35,870	-	49,336	156,411	30,824	294,121	99%
LOSSES & OMISSIONS	1,150	0	0	-1,414	-	-1,333	2,117	2,557	3,077	1%
TOTAL NET USAGE	19,632	4,079	53,243	34,455	-	48,002	158,528	-20,742	297,198	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	6,844	-	-	-	6,844	72%
HYDROELECTRIC	-	-	-	-	-	-	-	684	684	7%
NUCLEAR	-	-	-	-	-	-	-	101	101	1%
GEO.&SOLAR	-	-	-	-	-	-	-	1,938	1,938	20%
TOTAL SUPPLY	-	-	-	-	6,844	-	-	2,723	9,567	
NET IMPORTS OF REGION	19,632	4,079	53,243	34,455	-6,844	48,002	158,528	-23,465	287,631	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =66.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 162 PHOENIX ARIZONA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	9,706	7,783	-	11,885	-	50,579	8	51,947	125,913	17%
INDUSTRIAL	6,789	8,453	-	26,062	-	93,619	17,380	23,327	175,630	23%
TRANSPORTATION	42,188	-	199,117	43,594	-	5,349	1	-	290,249	38%
MISCELLANEOUS USES	790	198	-	6	-	1,358	-	597	2,949	0%
TOTAL FINAL DEMAND SECTORS	59,473	10,439	199,117	81,547	-	150,905	17,389	75,871	594,741	78%
TRANSFORMATION										
ELECTRICITY GEN.	27,276	19,627	-	-	-	24,933	147,064	-76,655	142,293	19%
PETROLEUM PRODUCTS	-67,346	-65,967	-157,531	-108,141	399,008	1,412	-	-	1,435	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-40,070	-46,340	-157,531	-108,141	399,008	26,393	147,064	-76,655	143,728	19%
TOTAL GROSS FLOWS	86,749	30,066	199,117	81,547	399,008	177,298	164,453	75,871	738,469	97%
LOSSES & EMISSIONS	5,399	0	0	-3,216	16,552	-4,790	2,226	6,295	22,467	3%
TOTAL NET USAGE	24,302	-35,900	41,586	-29,810	415,560	172,507	166,679	5,511	760,937	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,948	1,727	558,252	-	564,927	84%
HYDROELECTRIC	-	-	-	-	-	-	-	50,141	50,141	7%
NUCLEAR	-	-	-	-	-	-	-	49,383	49,383	7%
GEO.&SOLAR	-	-	-	-	-	-	-	4,765	4,765	1%
TOTAL SUPPLY	-	-	-	-	4,948	1,727	558,252	104,289	669,216	
NET IMPORTS OF REGION	24,302	-35,900	41,586	-29,810	410,612	170,780	-391,572	-98,777	91,721	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.99%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 163 TUCSON ARIZONA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	3,045	562	-	3,701	-	15,786	2	16,390	39,486	22%
INDUSTRIAL	1,290	829	-	1,782	-	20,223	3,437	5,227	32,788	18%
TRANSPORTATION	11,794	-	61,988	12,493	-	1,533	1	-	87,809	49%
MISCELLANEOUS USES	386	97	-	3	-	669	-	298	1,453	1%
TOTAL FINAL DEMAND SECTORS	16,515	1,488	61,988	17,979	-	38,211	3,440	21,915	161,536	91%
TRANSFORMATION										
ELECTRICITY GEN.	5,561	10,929	-	-	-	7,112	-	-8,832	14,770	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	5,561	10,929	-	-	-	7,112	-	-8,832	14,770	8%
TOTAL GROSS FLOWS	22,076	12,417	61,988	17,979	-	45,323	3,440	21,915	176,306	99%
LOSSES & OMISSIONS	1,374	0	0	-709	-	-1,224	46	1,818	1,305	1%
TOTAL NET USAGE	23,450	12,417	61,988	17,269	-	44,098	3,486	14,901	177,611	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	394	394	22%
NUCLEAR	-	-	-	-	-	-	-	52	52	3%
GEO.&SOLAR	-	-	-	-	-	-	-	1,376	1,376	76%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,822	1,822	
NET IMPORTS OF REGION	23,450	12,417	61,988	17,269	-	44,098	3,486	13,079	175,789	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =62.56%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 164 SAN DIEGO CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	2,131	135	-	9,121	-	48,757	-	31,275	91,419	26%
INDUSTRIAL	1,692	1,196	-	3,238	-	16,832	870	8,263	32,091	9%
TRANSPORTATION	6,686	7,076	135,330	23,860	-	5,183	-	6	178,146	51%
MISCELLANEOUS USES	663	166	-	10	-	2,394	-	1,261	4,494	1%
TOTAL FINAL DEMAND SECTORS	11,172	8,573	135,330	36,229	-	73,171	870	40,805	306,150	87%
TRANSFORMATION										
ELECTRICITY GEN.	5,895	35,824	-	-	-	13,244	-	-19,912	35,051	10%
PETROLEUM PRODUCTS	-32,487	-31,822	-75,992	-52,166	192,479	681	-	-	693	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-26,592	4,002	-75,992	-52,166	192,479	13,925	-	-19,912	35,744	10%
TOTAL GROSS FLOWS	17,067	44,397	135,330	35,229	192,479	87,096	870	40,805	341,894	98%
LOSSES & OMISSIONS	1,062	0	0	-1,429	7,985	-2,353	11	3,385	8,663	2%
TOTAL NET USAGE	-14,357	12,575	59,338	-17,366	200,464	84,742	881	24,278	350,558	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	734	734	1%
NUCLEAR	-	-	-	-	-	-	-	51,288	51,288	94%
GEO.&SOLAR	-	-	-	-	-	-	-	2,563	2,563	5%
TOTAL SUPPLY	-	-	-	-	-	-	-	54,585	54,585	
NET IMPORTS OF REGION	-14,357	12,575	59,338	-17,366	200,464	84,742	881	-30,306	295,973	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =63.77%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.35%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 165 LOS ANGELES-LONG BEACH CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	13,281	926	-	54,969	-	301,603	3	203,356	574,138	17%
INDUSTRIAL	39,230	78,902	-	317,163	-	555,667	61,476	127,117	1,179,555	36%
TRANSPORTATION	100,803	51,919	815,078	174,985	-	38,024	3	353	1,181,165	36%
MISCELLANEOUS USES	3,198	802	-	25	-	6,324	-	2,889	13,238	0%
TOTAL FINAL DEMAND SECTORS	156,512	132,549	815,078	547,142	-	901,618	61,482	333,715	2,948,096	89%
TRANSFORMATION										
ELECTRICITY GEN.	54,253	239,049	-	-	-	108,895	-	-146,901	255,296	8%
PETROLEUM PRODUCTS	-419,876	-411,276	-982,142	-674,218	2,487,662	8,806	-	-	8,956	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	60,020	-	-54,300	-	-	5,720	0%
NET FUEL USED IN TRANSFORMATION	-365,623	-172,227	-982,142	-614,198	2,487,662	63,401	-	-146,901	269,972	8%
TOTAL GROSS FLOWS	210,765	371,598	815,078	607,162	2,487,662	1,019,319	61,482	333,715	3,218,068	97%
LOSSES & EMISSIONS	13,118	7	3	-23,949	103,201	-27,544	832	27,689	93,359	3%
TOTAL NET USAGE	-195,992	-39,670	-167,060	-91,005	2,590,863	937,474	62,314	214,503	3,311,427	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,254,254	49,200	-	-	1,303,454	93%
HYDROELECTRIC	-	-	-	-	-	-	-	16,281	16,281	1%
NUCLEAR	-	-	-	-	-	-	-	62,836	62,836	4%
GEO.&SOLAR	-	-	-	-	-	-	-	21,649	21,649	2%
TOTAL SUPPLY	-	-	-	-	1,254,254	49,200	-	100,766	1,404,220	
NET IMPORTS OF REGION	-195,992	-39,570	-167,060	-91,005	1,336,609	888,274	62,314	113,737	1,907,207	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =63.48%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 9.53%

BEA ECONOMIC AREA 166 FRESNO CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,279	76	-	5,603	-	29,675	-	18,523	55,156	17%
INDUSTRIAL	3,596	3,190	-	6,556	-	100,122	3,169	12,823	129,856	41%
TRANSPORTATION	13,118	2,082	83,131	6,990	-	1,516	1	90	106,928	34%
MISCELLANEOUS USES	377	94	-	2	-	750	-	344	1,567	0%
TOTAL FINAL DEMAND SECTORS	18,770	5,442	83,131	19,151	-	132,063	3,170	31,780	293,507	92%
TRANSFORMATION										
ELECTRICITY GEN.	-	3,374	-	-	-	10,314	-	-4,984	8,704	3%
PETROLEUM PRODUCTS	-51,661	-60,398	-144,232	-99,012	365,325	1,293	-	-	1,315	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-51,661	-57,024	-144,232	-99,012	365,325	11,607	-	-4,984	10,019	3%
TOTAL GROSS FLOWS	18,770	8,816	83,131	19,151	365,325	143,670	3,170	31,780	303,526	95%
LOSSES & EMISSIONS	1,168	0	0	-755	15,155	-3,882	42	2,636	14,366	5%
TOTAL NET USAGE	-41,722	-57,581	-61,100	-80,616	380,480	139,787	3,212	29,432	317,892	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	801,230	34,268	-	-	835,498	94%
HYDROELECTRIC	-	-	-	-	-	-	-	23,787	23,787	3%
NUCLEAR	-	-	-	-	-	-	-	25,275	25,275	3%
GEO.&SOLAR	-	-	-	-	-	-	-	1,996	1,996	0%
TOTAL SUPPLY	-	-	-	-	801,230	34,268	-	51,058	886,556	
NET IMPORTS OF REGION	-41,722	-57,581	-61,100	-80,616	-420,749	105,519	3,212	-21,625	-568,663	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =63.59%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 167 STOCKTON CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	865	46	-	3,909	-	20,271	-	12,078	37,169	22%
INDUSTRIAL	2,689	2,094	-	2,696	-	31,135	2,466	9,145	50,225	30%
TRANSPORTATION	9,514	1,243	58,034	4,179	-	906	-	47	73,923	44%
MISCELLANEOUS USES	374	94	-	2	-	700	-	314	1,484	1%
TOTAL FINAL DEMAND SECTORS	13,442	3,477	58,034	10,786	-	53,012	2,466	21,584	162,801	97%
TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	7,005	-	-2,588	4,417	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	7,005	-	-2,588	4,417	3%
TOTAL GROSS FLOWS	13,442	3,477	58,034	10,786	-	60,017	2,466	21,584	167,218	100%
LOSSES & EMISSIONS	836	0	0	-425	-	-1,621	33	1,790	614	0%
TOTAL NET USAGE	14,278	3,477	58,034	10,360	-	58,395	2,499	20,786	167,832	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	21,206	21,206	94%
NUCLEAR	-	-	-	-	-	-	-	52	52	0%
GEO.&SOLAR	-	-	-	-	-	-	-	1,356	1,356	6%
TOTAL SUPPLY	-	-	-	-	-	-	-	22,614	22,614	
NET IMPORTS OF REGION	14,278	3,477	58,034	10,360	-	58,395	2,499	-1,827	145,218	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =63.05%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 168 SACRAMENTO CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
FIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,627	105	-	6,902	-	36,855	-	23,529	69,018	28%
INDUSTRIAL	2,032	1,493	-	2,334	-	21,677	998	7,639	36,173	15%
TRANSPORTATION	12,479	2,523	102,409	8,448	-	1,833	-	141	127,834	52%
MISCELLANEOUS USES	1,073	269	-	8	-	2,026	-	911	4,287	2%
TOTAL FINAL DEMAND SECTORS	17,211	4,390	102,409	17,692	-	62,391	999	32,220	237,312	96%
TRANSFORMATION										
ELECTRICITY GEN.	2,640	-	-	-	-	10,457	-	-5,002	8,095	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	2,640	-	-	-	-	10,457	-	-5,002	8,095	3%
TOTAL GROSS FLOWS	19,851	4,390	102,409	17,692	-	72,848	999	32,220	245,407	99%
LOSSES & OMISSIONS	1,235	0	0	-697	-	-1,968	13	2,673	1,256	1%
TOTAL NET USAGE	21,086	4,390	102,409	16,994	-	70,879	1,012	29,891	246,663	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	32,065	35,673	-	-	67,738	48%
HYDROELECTRIC	-	-	-	-	-	-	-	53,745	53,745	38%
NUCLEAR	-	-	-	-	-	-	-	17,751	17,751	13%
GEO.&SOLAR	-	-	-	-	-	-	-	2,023	2,023	1%
TOTAL SUPPLY	-	-	-	-	32,065	35,673	-	73,519	141,257	
NET IMPORTS OF REGION	21,086	4,390	102,409	16,994	-32,065	35,206	1,012	-43,627	105,406	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =61.81%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 169 REDDING CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	296	19	-	1,217	-	6,611	-	4,356	12,499	25%
INDUSTRIAL	955	518	-	520	-	3,709	77	1,836	7,615	15%
TRANSPORTATION	2,813	1,244	18,075	4,183	-	909	-	22	27,246	54%
MISCELLANEOUS USES	109	27	-	1	-	193	-	84	414	1%
TOTAL FINAL DEMAND SECTORS	4,173	1,808	18,075	5,921	-	11,422	77	6,298	47,774	95%
TRANSFORMATION										
ELECTRICITY GEN.	1,760	-	-	-	-	2,044	-	-1,514	2,290	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	1,760	-	-	-	-	2,044	-	-1,514	2,290	5%
TOTAL GROSS FLOWS	5,933	1,808	18,075	5,921	-	13,466	77	6,298	50,064	99%
LOSSES & OMISSIONS	369	0	0	-233	-	-363	1	522	295	1%
TOTAL NET USAGE	6,302	1,808	18,075	5,687	-	13,102	78	5,306	50,359	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,124	1,253	-	-	2,377	6%
HYDROELECTRIC	-	-	-	-	-	-	-	39,893	39,893	93%
NUCLEAR	-	-	-	-	-	-	-	15	15	0%
GEO.&SOLAR	-	-	-	-	-	-	-	395	395	1%
TOTAL SUPPLY	-	-	-	-	1,124	1,253	-	40,303	42,680	
NET IMPORTS OF REGION	6,302	1,808	18,075	5,687	-1,124	11,849	78	-34,996	7,679	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =60.20%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 170 EUREKA CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	121	5	-	559	-	2,875	-	1,666	5,226	21%
INDUSTRIAL	1,275	580	-	811	-	3,157	388	1,453	7,664	31%
TRANSPORTATION	777	155	8,312	554	-	120	-	4	9,932	40%
MISCELLANEOUS USES	20	5	-	-	-	38	-	17	80	0%
TOTAL FINAL DEMAND SECTORS	2,193	755	8,312	1,924	-	6,190	388	3,140	22,902	92%
TRANSFORMATION										
ELECTRICITY GEN.	-	1,958	-	-	-	1,019	-	-1,062	1,925	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-	1,958	-	-	-	1,019	-	-1,062	1,925	8%
TOTAL GROSS FLOWS	2,193	2,723	8,312	1,924	-	7,209	388	3,140	24,827	99%
LOSSES & EMISSIONS	136	0	0	-75	-	-194	5	260	131	1%
TOTAL NET USAGE	2,329	2,723	8,312	1,848	-	7,014	393	2,338	24,958	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	795	887	-	-	1,682	31%
HYDROELECTRIC	-	-	-	-	-	-	-	2,269	2,269	42%
NUCLEAR	-	-	-	-	-	-	-	1,225	1,225	23%
GEO.&SOLAR	-	-	-	-	-	-	-	198	198	4%
TOTAL SUPPLY	-	-	-	-	795	887	-	3,692	5,374	
NET IMPORTS OF REGION	2,329	2,723	8,312	1,848	-795	6,127	393	-1,353	19,584	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =54.45%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 171 SAN FRANCISCO-OAKLAND CALIFORNIA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	6,673	480	-	27,297	-	149,660	1	101,053	285,164	17%
INDUSTRIAL	15,181	56,973	-	185,392	-	143,393	18,750	51,461	471,150	29%
TRANSPORTATION	53,071	46,591	404,757	157,343	-	34,204	2	238	696,306	42%
MISCELLANEOUS USES	1,860	467	-	16	-	4,045	-	1,905	8,293	1%
TOTAL FINAL DEMAND SECTORS	76,785	104,511	404,757	370,048	-	331,302	18,753	154,657	1,460,913	89%
TRANSFORMATION										
ELECTRICITY GEN.	11,773	114,070	-	-	-	50,195	-	-63,350	112,688	7%
PETROLEUM PRODUCTS	-269,969	-264,439	-631,490	-433,503	1,599,498	5,662	-	-	5,759	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-258,196	-150,369	-631,490	-433,503	1,599,498	55,857	-	-63,350	118,447	7%
TOTAL GROSS FLOWS	88,558	218,681	404,757	370,048	1,599,498	387,159	18,753	154,657	1,579,360	96%
LOSSES & OMISSIONS	5,512	4	1	-14,596	66,355	-10,461	253	12,832	59,902	4%
TOTAL NET USAGE	-175,898	-45,753	-226,731	-78,051	1,665,853	376,697	19,006	104,139	1,639,262	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	121,235	41,466	-	-	162,701	84%
HYDROELECTRIC	-	-	-	-	-	-	-	2,780	2,780	1%
NUCLEAR	-	-	-	-	-	-	-	370	370	0%
GEO.&SOLAR	-	-	-	-	-	-	-	27,663	27,663	14%
TOTAL SUPPLY	-	-	-	-	121,235	41,466	-	30,813	193,514	
NET IMPORTS OF REGION	-175,898	-45,753	-226,731	-78,051	1,544,618	335,231	19,006	73,326	1,445,748	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.01%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

BEA ECONOMIC AREA 172 ANCHORAGE ALASKA 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MED MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	17,571	149	-	6,764	-	1,907	48	13,115	39,554	12%
INDUSTRIAL	61,295	65,565	-	20,396	-	-	4,637	3,361	155,305	46%
TRANSPORTATION	21,371	5,445	28,407	71,134	-	236	-	-	126,594	38%
MISCELLANEOUS USES	1,110	412	-	9	-	-	2	665	2,198	1%
TOTAL FINAL DEMAND SECTORS	101,347	71,573	28,407	98,303	-	2,143	4,737	17,141	323,651	96%
TRANSFORMATION										
ELECTRICITY GEN.	1,012	-	-	-	-	-	-	-356	656	0%
PETROLEUM PRODUCTS	-28,995	-28,401	-67,822	-46,559	171,787	608	-	-	618	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-27,983	-28,401	-67,822	-46,559	171,787	608	-	-356	1,274	0%
TOTAL GROSS FLOWS	102,359	71,573	28,407	98,303	171,787	2,751	4,737	17,141	324,925	97%
LOSSES & OMISSIONS	6,371	1	0	-3,877	7,126	-74	64	1,422	11,033	3%
TOTAL NET USAGE	79,735	43,173	-39,414	47,866	178,913	2,676	4,801	18,207	335,958	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,978,761	6,797,804	14,660	-	11,791,225	100%
HYDROELECTRIC	-	-	-	-	-	-	-	2,914	2,914	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	
GEO.&SOLAR	-	-	-	-	-	-	-	438	438	0%
TOTAL SUPPLY	-	-	-	-	4,978,761	6,797,804	14,660	3,352	11,794,577	
NET IMPORTS OF REGION	79,735	43,173	-39,414	47,866	-4,799,847	-6,795,127	-9,859	14,855	-11,458,618	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.82%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

EEA ECONOMIC AREA 173 HONOLULU HAWAII 1990

REGIONAL ENERGY BALANCE STATEMENT
PIES MID MID SCENARIO

(ALL UNITS IN 10**9 BTU'S)

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL,COMM.	1,104	104	-	4,768	-	21,305	3	11,569	38,853	8%
INDUSTRIAL	31,719	156,787	-	51,652	-	2,234	1,985	3,140	247,517	52%
TRANSPORTATION	4,482	6,278	46,748	88,230	-	5,957	-	-	151,695	32%
MISCELLANEOUS USES	630	157	-	6	-	1,039	-	670	2,502	1%
TOTAL FINAL DEMAND SECTORS	37,935	163,326	46,748	144,656	-	30,535	1,988	15,379	440,567	93%
TRANSFORMATION										
ELECTRICITY GEN.	-	17,659	-	-	-	4,991	-	-7,993	14,657	3%
PETROLEUM PRODUCTS	-75,289	-73,747	-176,111	-120,896	446,069	1,579	-	-	1,605	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	
SYNTHETICS	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	-75,289	-56,088	-176,111	-120,896	446,069	6,570	-	-7,993	16,262	3%
TOTAL GROSS FLOWS	37,935	180,985	46,748	144,656	446,069	37,105	1,988	15,379	456,829	97%
LOSSES & EMISSIONS	2,361	3	0	-5,705	18,505	-1,002	26	1,276	15,464	3%
TOTAL NET USAGE	-34,992	107,241	-129,362	18,054	464,574	36,102	2,014	8,662	472,293	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	276	276	22%
NUCLEAR	-	-	-	-	-	-	-	37	37	3%
GEO.&SOLAR	-	-	-	-	-	-	-	966	966	76%
TOTAL SUPPLY	-	-	-	-	-	-	-	1,279	1,279	
NET IMPORTS OF REGION	-34,992	107,241	-129,362	18,054	464,574	36,102	2,014	7,383	471,014	

NOTES:
1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. =64.71%
2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.36%
3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
4 TRANSFORMATION LOSS FOR SYNTHETICS = 0.0 %

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