Residential Demand for Energy
Volume 2: Estimates of Residential Stocks of Energy-Using Capital—Revised

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Lexington, Massachusetts

ELECTRIC POWER RESEARCH INSTITUTE

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Volume 2: Estimates of Residential Stocks of Energy-Using Capital—Revised

EA-1572, Volume 2
Research Project 1098-1

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ABSTRACT

A data base containing stocks of energy using capital in the residential sector is a valuable resource in the study of the demand for residential energy. Such a data base exists but had to be reconstructed in this project. This report explains the need for this effort and describes the methods which were employed to improve the original data.

The old data set had been produced in a study for EPRI, The Residential Demand for Energy: Estimates of Residential Stocks of Energy Using Capital, and had been constructed using sensible techniques which should have produced reliable estimates of the residential energy consuming stock. When these data were closely examined after the completion of that project, several apparent flaws were discovered. This data review was therefore included within the follow-up to the study mentioned above.

One set of series, from the magazine Merchandising Week, which were key inputs to the original methodology were found to be an unreliable source of saturation data for certain appliances. Where problems were found with the Merchandising Week data, the series were revised if the overall integrity of the series could be maintained. When this was not possible, Census data, which were used to benchmark all the series, were interpolated and the Merchandising Week data were discarded.

The new data on stocks of residential energy using capital constitutes the best source of appliance data with which to model the residential sector's energy demands. Direct ownership data, as opposed to saturation rates, would be more valuable to the modeler, but no efforts have ever been made to gather those series. Perhaps in the next round, the focus will be placed on ownership data.

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EPRI PERSPECTIVE

PROJECT DESCRIPTION

This final report presents the results of a small project (RP1098) to revise the residential appliance stock data originally developed as part of RP431-1, The Residential Demand for Energy, and published in EPRI Final Report EA-235, The Residential Demand for Energy: Estimates of Residential Stocks of Energy Using Capital, Vol. II. This earlier project was the first major effort in EPRI's Demand and Conservation Program (within the Energy Analysis and Environment Division) to develop energy consumption forecasting models for the residential end-use sector. It was recognized that an important input in developing such models is information on the stocks of energy-using capital held in the residential sector. Such information was not readily available. Thus, a portion of RP431 was devoted to assembling housing stock and energy-using appliance stock data by state for the years 1960-1974. After the close of the original project, as this data was made available to other researchers, a number of apparent flaws in the data were discovered. EPRI and Data Resources, Inc. (DRI), the contractor on the original project, agreed to reexamine the original methodology and data to uncover the source of the problem and recreate the data. This task was included in a larger project, RP1098-1, Residential Energy Consumption Forecasting Models: Further Developments, which was designed to extend the forecasting models developed earlier in RP431-1.

PROJECT OBJECTIVES

The objectives of this project were to (1) examine the methodology employed and residential appliance stock data developed under RP431 to determine the source of the data problems, (2) make any necessary modifications to the methodology, and (3) produce a revised set of data.

PROJECT RESULTS

A review of the methodology employed in the earlier project found it to be sound. However, a review of the data identified the source of the problem. The primary goal of the original project was to develop annual estimates of residential appliance stocks by state. Unfortunately, systematic estimates of appliance stock

ownership are available only from the census in 1960 and 1970. DRI used the census estimates for those years as benchmarks and employed estimates of appliance saturation rates from Merchandising Week to interpolate between 1960 and 1970 and extrapolate from 1970 to 1974. The basic methodology was to multiply the saturation rates for each state by the estimate of the housing stock for the state, a series that was also developed in the original project.

A close examination of the Merchandising Week data, which was based on data collected by some 200 electric utilities, revealed a crucial defect not observed by the original research team. A number of the saturation rate series were unstable, fluctuating widely between certain years. The probable cause was that in some states the utilities choosing to report saturation rates were not the same each year. Unfortunately, no other data at the necessary level of detail were available. Thus, in the data presented in this report, DRI attempted to salvage as many of the Merchandising Week series as possible. In some cases, the original data were kept intact. In the majority of cases, the series were adjusted in one or more years, using interpolation, to obtain more reasonable estimates. In somewhat more than a quarter of the series, the Merchandising Week data were disregarded and replaced by linear interpolations based on the benchmark years.

The resulting housing stock and appliance stock series are presented in the appendix to this report and are available on magnetic tape from EPRI's Demand and Conservation Program. These data represent probably the best housing and appliance stock data at the state level that can be developed for these historical years. However, users of the data should be aware of the problems encountered in its development and its remaining deficiencies. For example, one should be cautious in using the data to estimate an appliance stock adjustment or utilization model, since a number of the series represent not actual historical behavior but purely statistical interpolations between benchmark years.

Steven D. Braithwait, Project Manager
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SUMMARY

During 1976 Data Resources, Inc. (DRI) had participated in the Electric Power Research Institute's (EPRI) program of research on the demand for residential energy by developing residential appliance stock data bases. During the following year, after the close of the original project, several apparent flaws were discovered in the data. EPRI and DRI mutually agreed to reexamine the original methodology and data to uncover the source of the problem and recreate the data. At that time, this report, a follow-up to RP431 The Residential Demand for Energy*, was in progress. This data review was included within that project so that the reestimated models could use the revised data.

The preliminary effort in reexamining the data included two general steps. The initial step involved a careful review of the methodology used in the original study. The study's design closely paralleled the seminal Fisher and Kaysen work** and generally employed sensible approaches that by themselves could not be responsible for the errors in the resulting data. Except for a few minor changes, the new study began with this same methodology. In the second step, the original data which included housing stocks, Census appliance saturation rates, and annual appliance saturation rates from the magazine Merchandising Week were scrutinized. It was at this point that the problem with the original study was identified — the Merchandising Week reports did not always provide consistent records of changes in appliance saturation rates within a state.

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*Taylor, L.D., Blattenberger, G.R., and Verleger, P.K., Jr. The Residential Demand for Energy, EPRI EA-235, January 1977, James Boyd, Project Manager

**Fisher, Franklin M. and Kaysen, Carl. A Study in Econometrics: The Demand for Electricity in the United States, North-Holland Publishing Company.

The earlier study had used the Merchandising Week information to interpolate the Census data in a way that would convey the cyclical patterns of consumer durable goods expenditures. The original researchers were wary of combining data sets but concluded that there was no other viable option.

It was clear that the Merchandising Week data were gathered by some two hundred electric utilities whose preparation involved different sampling procedures. By contrast, the Census' survey used a uniform sampling method. Moreover, the original researchers overlooked a crucial defect in the magazine data: in certain states the utilities chosing to report were not the same each year. This conclusion was drawn by plotting every appliance saturation rate for each state. Many of the plots which were highly discontinuous could be explained only by a utility having dropped out of the sample for one or more years, by a utility having reported for only a few years, or by a radical change in the sample composition midway through the interval. Ideally, the undependable Merchandising Week data would be disregarded and replaced by more reliable information. However, no other data were available.

Assuming saturation rates to be montonically increasing is appropriate provided that no extreme points (peaks or troughs) occur except at the beginning or the end of a saturation series. As described in the table below, the Merchandising Week data contained an average of 5.1 extreme values per series, many more than were expected a priori. Some extreme points probably were genuine. For example, a decline from a saturation rate of 22.6% to 22.5% might measure postponements in appliance purchase decisions, relative to home purchases, because of high interest rates. On the other hand, when a saturation rate fell from 22.6% to 10.0% in one year, no cogent reason could possibly explain this decrease.

Extreme Point Frequencies*
with Merchandising Week Data

Number of Extreme Points	Occurrence
0- 1	58
2- 3	28
4- 5	114
6- 7	78
8- 9	64
10-11	14
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*Extreme points are defined as the occurrence of either peaks or troughs within a series, except for in terminal years. Refrigerators and conventional dryers are excluded since they were treated separately: refrigerator saturation rates were set equal to unity, and conventional washer rates typically declined.

What could be done about the Merchandising Week data? Some series looked quite believable, some had only one or two apparently deviant values, and some were so erratic that it was impossible to discern either an upward or a downward trend. So, the first step was to divide the Merchandising Week series into groups, and then treat each group separately.

We decided that any series the Census reported to be unity in both 1960 and 1970 should keep this value for all years. In this way, we avoid having any of DRI's saturation rates exceed 1 (if the Merchandising Week data should show an increasing trend). Instead of using Merchandising Week data, it seemed reasonable to set DRI's saturation rates (SATDRI) for such series equal to 1 during the entire interval. Refrigerators were the only appliance with Census saturation rates equal to unity and most Merchandising Week refrigerator saturation series were between 90 and 100 percent, anyway. As will be explained, this put these series into a category known as NEW series.

Having eliminated the refrigerator series, the remaining 408 saturation series were plotted and divided into three categories. The series in the first category were called OLD series. Each of these series exhibited a monotonic or near-monotonic

increase or decline, with no markedly deviant points. OLD series were not adjusted; their SATDRI's were created exactly as outlined above. Only 33 Merchandising Week series met this standard of smoothness and uniformity.

Each remaining Merchandising Week series was evaluated to decide whether to try to salvage some of the values or whether to discard the series completely. Those that were adjusted were called UP series. The discarded series were replaced by Census data and were called NEW series. SATDRI's for the 248 UP series were created in the same way as for the OLD but with adjusted numbers. The additional 127 NEW series were defined as linear interpolations and extrapolations from the two Census values. Therefore, there was no need to create constant series for them as SATDRI was defined as equal to the NEW series.

The decision to treat a series as an UP or as a NEW was made after viewing a plot of each series. Some series were clearly acceptable except for one or two deviant points. In these cases, either a coding error or the temporary absence/presence from the sample of a utility are suspected as causing the problem points. These series were updated and are referred to as UP series. Other series behaved less discriminately. Occasionally, more than one trend line was apparent. Less frequently, the series shifted about without any pattern with the liklihood of an increase or a decrease being about equal. Good series could not be produced unless the initial input from the Merchandising Week data was credible. Frequently, we concluded that the Merchandising Week series were beyond hope and resorted to Census data to create the NEW series. The saturation rate in Figure 1 is one such example. The second curve in the figure is the benchmarked DRI saturation rate which was created using only Census data.

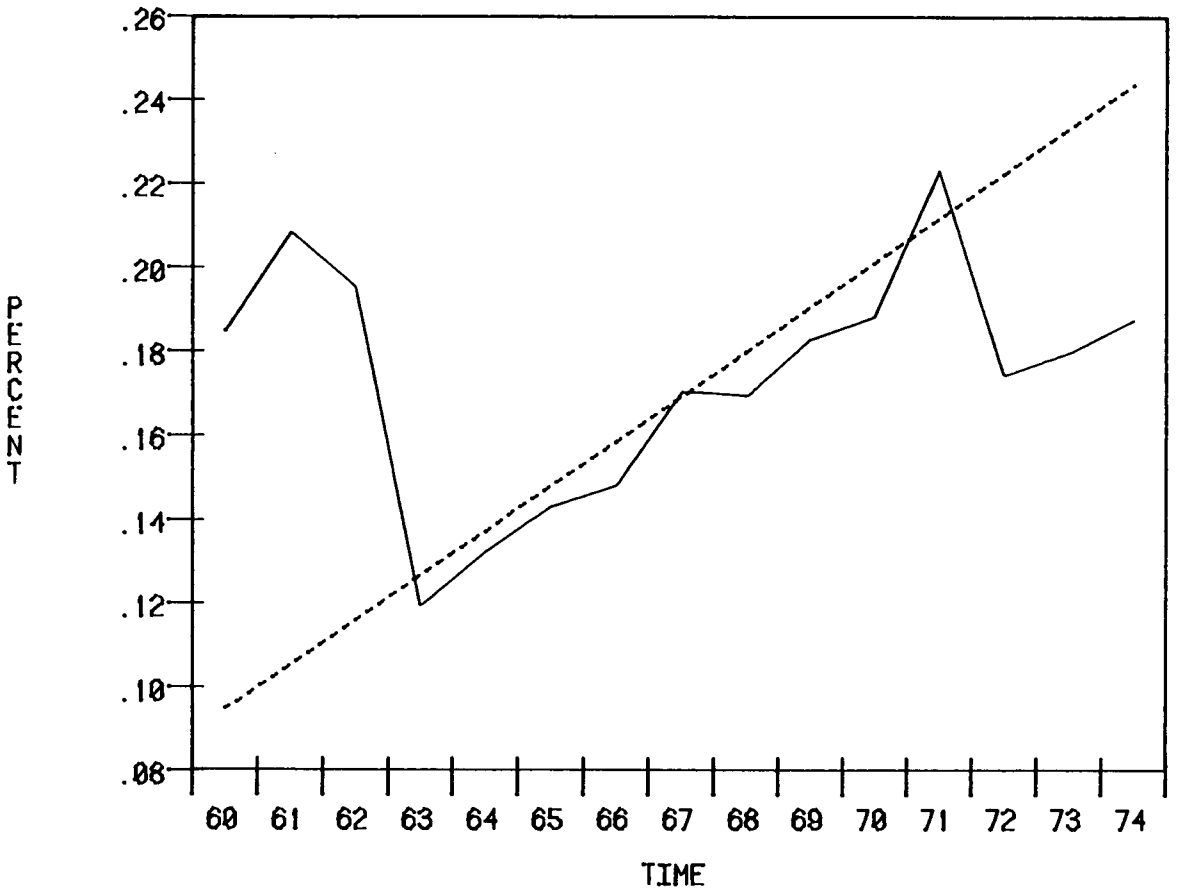

Figure 1. Merchandising Week (—) and DRI (---) Saturation Rates of Clothes Dryers in Illinois

The remaining 375 series were assigned to the NEW and UP groups following a subjective analysis which consciously attempted to make as many series UP as possible. Generally, two types of Merchandising Week series were updated — series with one or two obviously deviant points, and series which would produce a realistic curve when discordant values were omitted. Each series was plotted, doubtful values were identified, and the series were replotted without dubious data points. Updated series were created by interpolation when a majority of the original data remained intact and when most deleted points did not fall in extreme years. Figure 2 illustrates a series which we felt contained two deviant points 1961 and 1962 which we deleted in updating the series. The second curve in the figure is the benchmarked DRI saturation rate. Note that the DRI curve is beneath the Merchandising Week series because of the 1960 and 1970 Census values. A longer

interval (1968-1974) of doubtful values is shown in Figure 3. Again, these values were revised in updating the series. Most updated series were not categorized as easily as the examples above. Nonetheless, choices had to be made for each series. The notion that an adjusted series for which observations were probably made by the same set of utilities is superior to a series created from the two Census data points directed our efforts.

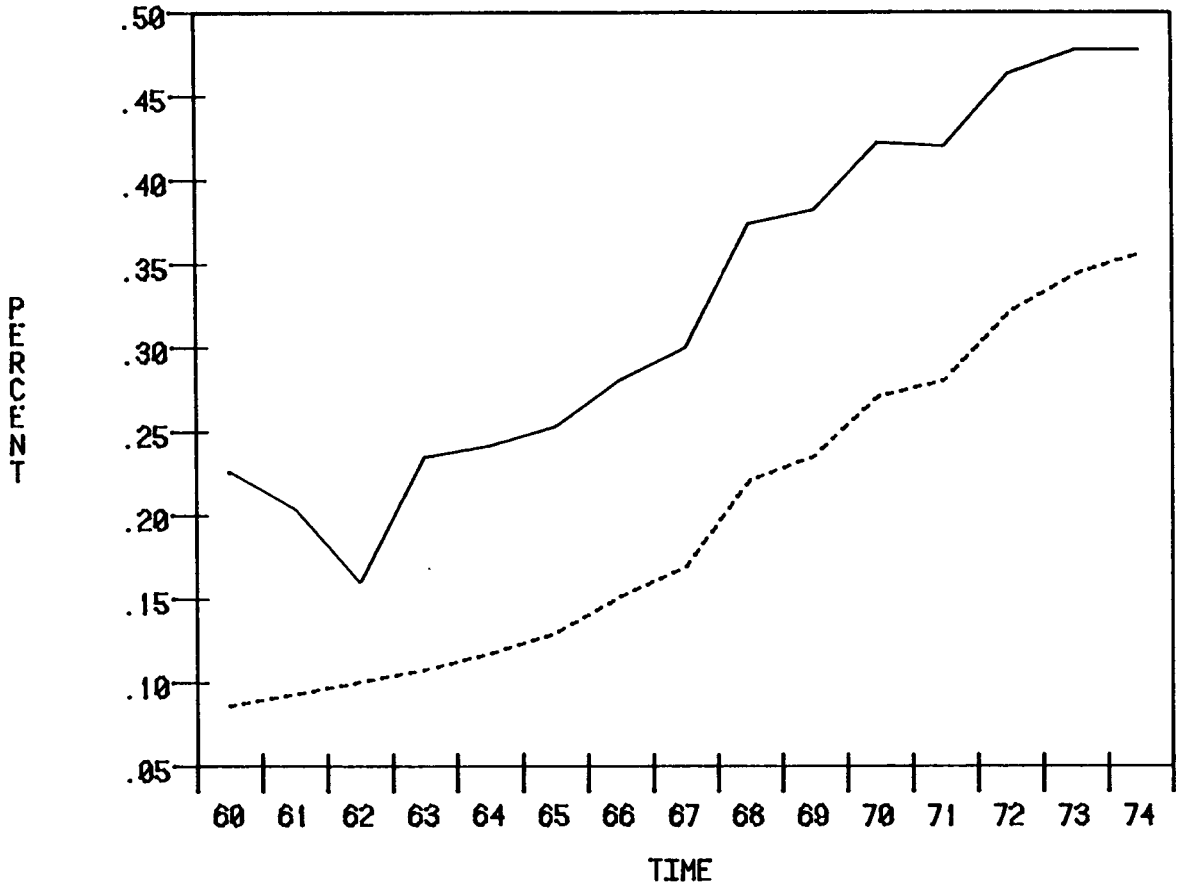

Figure 2. Merchandising Week (—) and DRI (---) Saturation Rates of Clothes Dryers in New Mexico

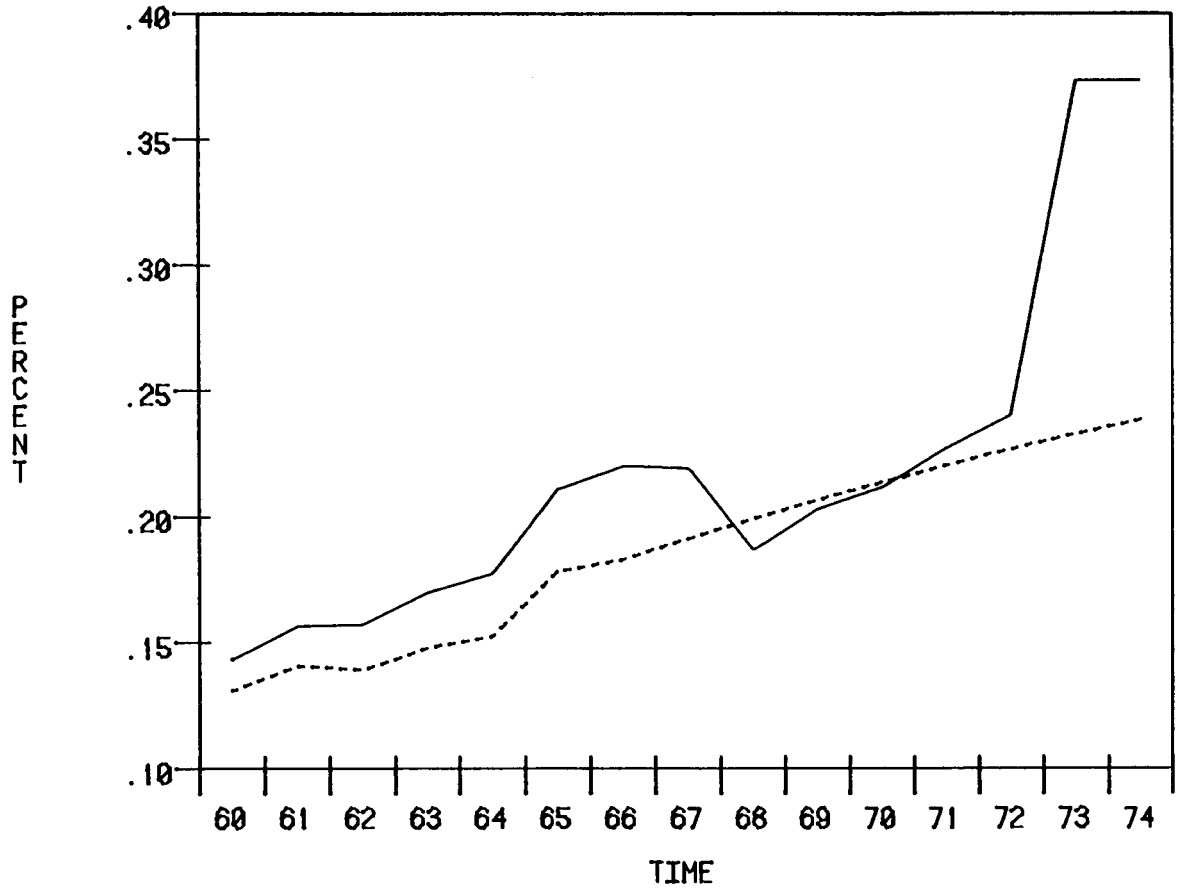

Figure 3. Merchandising Week (——) and DRI (---) Saturation Rates of Home Freezers in Connecticut

It would be virtually impossible to present a paradigm of the types of saturation series which were adjusted since decision rules were adapted to each situation and series. In general, however, we followed these guidelines:

1. Saturation rates should increase.
2. Relatively small declines can occur for one or two years.
3. Substantial declines were omitted and replaced with linear interpolations.
4. When substantial declines occurred at the beginning or end of the interval they were omitted and saturation rates were held constant.
5. If more than three discrete adjustments were necessary, the series was usually made a NEW.

Undoubtedly, other analysts would have treated certain of the series differently, but they too would have resorted to their own judgment in these cases.

Of 459 state appliance stock series created, 33 are based on original Merchandising Week data, 248 on revised data, and 178 on Census data. The 178 Census-related series exaggerate the number of Merchandising Week series that were deleted, since 51 refrigerator saturation series were set equal to the 1960 and 1970 Census — 100% — saturation estimates, while the Merchandising Week data hovered about this same saturation rate.

The estimates of the stock of appliances by state created from this effort will be helpful in modeling residential energy demands. Appliances for which series have been created are as follows:

1. Electric Ranges
2. Electric Water Heaters
3. Refrigerators
4. Conventional Clothes Washers
5. Automatic Clothes Washers
6. Electric Dryers
7. Dishwashers
8. Home Freezers
9. Room Air Conditioners

Several other series produced in the original study were reevaluated and in certain cases modified as needed. The other series are as follows:

1. Central Air Conditioners
2. Stock of Homes
3. Stock of Homes Heated with Electricity
4. Stock of Gas-Heated Houses
5. Stock of Oil-Heated and Other Heated Houses

Section 1

INTRODUCTION

Reliable data form the foundation of applied economic analysis. The testing of theories, the development of models, and the preparation of forecasts proceeds once data have been gathered and structured into a workable format. In some cases, variables potentially useful in energy research are not available as complete time series. Mechanisms were not always established to systematically gather the appropriate statistics and sometimes disaggregate data were not collected. When data are unavailable, a variable is either omitted from analysis or ingenious proxy variables are developed. In any event, researchers can gain fewer insights and are more limited without complete data. A practical alternative, in some cases, is to construct the necessary data. The penalty for using synthetic data to fit models with specifications derived from a theoretical framework is inconsistent parameter estimates, which result from errors of measurement. However, the measurement error problem may well be less bothersome than omitted variables bias.

The electric utility industry has systematically obtained data of impressive dimensions on the production, generation, and consumption of electricity. Annual residential electricity demands are available by state and constitute the principle variable investigated in this study. Residential electricity demands, which are derived demands, emanate from the power requirements of electrical appliances, whose use provides satisfaction to consumers. Some types of economic models designed to explain these demands require corresponding data on residential appliance stocks. For the most part, residential appliance stock data are not available by state.

During 1976 Data Resources, Inc. (DRI) had participated in the Electric Power Research Institute's (EPRI) program of research on the demand for residential energy by developing residential appliance stock data bases. During the following year, after the close of the original project, several apparent flaws were discovered in the data. EPRI and DRI mutually agreed to reexamine the original

methodology and data to uncover the source of the problem and recreate the data. At that time, this report, a follow-up to RP431 The Residential Demand for Energy*, was in progress. This data review was included within that project so that the reestimated models could use the revised data.

The preliminary effort in reexamining the data included two general steps. The initial step involved a careful review of the methodology used in the original study. The study's design closely paralleled the seminal Fisher and Kaysen work** and generally employed sensible approaches that by themselves could not be responsible for the errors in the resulting data. Except for a few minor changes, the new study began with this same methodology. In the second step, the original data which included housing stocks, Census appliance saturation rates, and annual appliance saturation rates from the magazine Merchandising Week were scrutinized. It was at this point that the problem with the original study was identified — the Merchandising Week reports did not always provide consistent records of changes in appliance saturation rates within a state.

The earlier study had used the Merchandising Week information to interpolate the Census data in a way that would convey the cyclical patterns of consumer durable goods expenditures. The original researchers were wary of combining data sets but concluded that there was no other viable option.

> ...[there is a] problem in the combination of data sets [gathered with different] collection methods. The Census data is gathered by door-to-door surveys to which consumers are required by law to respond. Trade surveys, on the other hand, are often not based upon such thorough survey methods....it would certainly appear that the trade data used here will lack the rigorous background found in the Census data....The Census Bureau uses a standard statistical sampling approach in developing its estimates of household stocks of energy using capital. Normally, one of every 25,000 households is summarized in each state. The Merchandising Week (MW) data, however, is not collected in such a uniform manner. In the first place, while MW requests information from each utility, the utilities are under no obligation to provide MW with any information.

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*Taylor, L.D., Blattenberger, G.R., and Verleger, P.K., Jr. The Residential Demand for Energy, EPRI EA-235, January 1977, James Boyd, Project Manager

**Fisher, Franklin M. and Kaysen, Carl. A Study in Econometrics: The Demand for Electiricity in the United States, North-Holland Publishing Company.

> Second, the basis of collection by each utility will be different. Some of the utilities will rely on data collected through scientific collection techniques while others may make very rough estimates. About the only fact we can know with any certainty is that the MW data, like the Census, does not provide double coverage where one house would be counted twice.*

It was clear that the Merchandising Week data were gathered by some two hundred electric utilities whose preparation involved different sampling procedures. By contrast, the Census' survey used a uniform sampling. Moreover, the original researchers overlooked a crucial defect in the magazine data: in certain states the utilities chosing to report was not the same in each year. This conclusion was drawn by plotting every appliance saturation rate for each state. Many of the plots which were highly discontinuous could be explained only by a utility having dropped out of the sample for one or more years, by a utility having reported for only a few years, or by a radical change in the sample composition midway through the interval. Ideally, the undependable Merchandising Week data would be disregarded and replaced by more reliable information. However, no other data were available.

DRI and EPRI conferred and decided that the Merchandising Week data were not hopelessly tangled. Certain series were to be accepted; other series were to be either revised or deleted. Revisions would be made if the overall integrity of the series could be maintained. Otherwise, rather than using the Merchandising Week data as the trend and Census data as a benchmark, the Census data would be linearly interpolated. Of 459 state appliance stock series created, 33 are based on original Merchandising Week data, 248 on revised data, and 178 on Census data. The 178 Census-related series exaggerate the number of Merchandising Week series that were deleted, since 51 refrigerator saturation series were set equal to the 1960 and 1970 Census — 100% — saturation estimates, while the Merchandising Week data hovered about this same saturation rate.

Section 2 of this report discusses our methodology, although not to the same extent as in the original work, and details most of the data-related decisions. Data tables appear in the Appendix.

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*The Residential Demand for Energy, pp. 3-47.

Section 2

METHODOLOGY

In preparing a data base for use in modeling residential energy consumption, with special emphasis being given to electricity, it is essential to produce estimates of stocks of standard electricity-consuming household appliances, the stock of homes with electric central air conditioners, the stock of homes heated electrically, and the stock of homes heated with either oil or gas. This section reviews our efforts to produce these estimates.

HOUSING STOCK

The methodology of the original study seems reasonable, yet it produced unreasonable results. Therefore, the data were reexamined and revised the second time around. The stock of homes is the most important set of data used in the study as these series permeate the entire methodology. In the original study, two sets of data on the stock of homes were evaluated — one based on the number of electricity customers, the other based on Census estimates for 1960 and 1970 and the number of building permits issued.

As was explained in the original study, there are problems with either data set. Data based on building permits are inaccurate because legal requirements vary from region to region. In some areas building permits are not required for remodeling or additions that increase the number of dwelling units in a given building while some southern states do not systematically collect permits for new dwellings. Another difficulty apparently came from the inaccuracy of permit data which caused many of the implied state depreciation rates for multiple-unit homes to come out negative. A negative depreciation rate occurs wherever the number of permits issued is exceeded by the number of units actually built. These "phantom housing units" may be accounted for by conversion of single family units into multiple units or the reverse process, by builders obtaining permits for apartment houses of one size and then later adding additional units, or by the transit of mobile homes from one state to another. Finally, mobile homes often have depreciation rates that appear to be too large, probably resulting from their classification, in some cases, as vacation homes rahter than dwelling units.

are obtained as the product of state appliance saturation rates and state estimates of the total stock of homes. These estimates are most accurate when appliances are never owned in multiple units or when every family owning an appliance owns the same number of units as every other family and when every appliance has the same multiple-ownership relationship. Although saturation derived estimates of appliance stocks suffer because these conditions are not satisfied, they measure the stock of electricity-consuming appliances sufficiently well to allow estimation of demand models.

The two sources of saturation rates are the Census data on housing and the data in Merchandising Week. The Census data are desirable because they are taken from a clearly defined sample of 1 in every 25,000 households. Also, those polled by the Census are obliged by law to respond. However, the Census data exist only for 1960 and 1970.

The Merchandising Week data have many deficiencies. First, they are collected voluntarily by electric utilities, and therefore do not necessarily represent the typical populations of their states. In any year, as utilities cease or begin reporting, the populations being reported can change. Second, no sampling technique is prescribed, so the saturations reported will vary in accuracy. The virtue that outweighs all these problems is that Merchandising Week data are reported every year.

The original DRI investigators devised the following method to utilize the Merchandising Week information while retaining the more reliable Census numbers:

> For each saturation rate, the investigators created a parallel series, C. In 1960 and 1970, the values of C where defined to be the ratio between the Census and the Merchandising Week numbers:

$$C_i^A = \frac{\text{Saturation Census}_i^A}{\text{Saturation Merchandising Week}_i^A}, \qquad i=1960,1970, \qquad (2\text{-}1)$$

> where A = appliance 1-9 and to fill in the other years, 1961-1969 and 1972-1974, C was interpolated and extrapolated linearly.

On the other hand, data based on the number of electricity customers — or, more precisely, on the number of meters — are also faulty. Many multiple-family homes and apartment buildings have only one meter for several dwelling units, and some single-family houses have more than one meter. To compound the problem, many states halted master metering practices during the historical period which probably induced an abrupt upsurge in the number of meters. In addition, housing units which were vacant when the utility surveyed the number of meters may well have been omitted.

The original study chose to rely on housing data based on the number of electricity customers, although estimates from the two data sets are fairly similar. Reasons were never given for this choice, but we suspect that the unrealistic depreciation rates resulted in a decision to use electricity customer housing data. Given the correspondence between the two sets of estimates and the obvious shortcomings of each, the choice of estimates should depend more on the source of other data and the advantages to be gained by relying on a single data source.

Census appliance saturation data are very dependable and are used intensively in our data effort. Because the housing stock estimates based on depreciation rates have been benchmarked to the 1960 and 1970 Census estimates, our new estimates of appliance stocks have been tied to these housing stocks, rather than to the estimates based on the number of electricity customers.

The stock of houses equals the sum of the stock of single-unit houses, the stock of multiple-unit houses, and the stock of mobile homes. Each of the three constituent series were examined for the fifty states and the District of Columbia to locate atypical values or growth rates which appeared aberrant. Questionable values were occasionally located for some states in certain years; however, we elected not to revise them, believing it more sensible to rely on the original sophisticated methodology than naive substitutes.

APPLIANCE STOCKS

Ideally, estimates of residential stocks of energy using capital would be based on ownership data, which would indicate the number of units of each appliance owned by the average household. Unfortunately, saturation data which simply questions whether or not any units of the appliance are owned have been collected and must therefore be the basis of residential appliance stock estimates. Stock estimates

The series created were referred to as "constant" series. DRI's saturation series were defined as the constant series multiplied by the Merchandising Week saturation series.

$$SATDRI_t^A = C_t^A \times \text{Saturation } \underline{\text{Merchandising Week}}^A, \qquad (2\text{-}2)$$

where t = 1960-1974.

From the definition of the constant, DRI's values equal Census values in 1960 and 1970. In the other years, Merchandising Week trends were allowed to prevail, but within a range defined by the Census values.

This method is a good way to utilize both data sources, but unfortunately, it does not deal with the peculiarities of the Merchandising Week data. In our reexamination of the task, we discovered that the Merchandising Week data often fluctuated wildly causing the derived stock series to exhibit the same fluctuations.

It was not unreasonable to expect rising saturation rates for every appliance except conventional washers (which were being replaced by automatic washers). Saturation rates increase as more family units purchase new appliances and the steady growth in disposable personal income since 1950 almost certainly led more families to acquire new convenience devices run on electric power. Electricity demands increase when the electricity-consuming capital stock increases or when the utilization rate of the existing stock is augmented. Residential electricity demands grew at a 8.6% compound annual rate from 1950-1977 and at a 7.7% compound annual rate from 1960-1974, the years of this study. Although the growth rate in residential demands was less than 0.1% in 1974, these demands increased in every year. These significant increases in demand could not possibly have resulted from only higher utilization rates. Hence, we assumed that stocks and saturation rates had grown during the 1960-1974 period.

Assuming saturation rates to be montonically increasing is appropriate provided that no extreme points (peaks or troughs) occur except at the beginning or the end of a saturation series.

As described in Table2-1, the Merchandising Week data contained an average of 5.1 extreme values per series, many more than were expected a priori. Some extreme points probably were genuine. For example, a decline from a saturation rate of

22.6% to 22.5% might measure postponements in appliance purchase decisions, relative to home purchases, because of high interest rates. On the other hand, when a saturation rate fell from 22.6% to 10.0% in one year, no cogent reason could possibly explain this decrease.

Table 2-1

Extreme Point Frequencies*
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Number of Extreme Points	Occurrence
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We decided that any series the Census reported to be unity in both 1960 and 1970 should keep this value for all years. In this way, we avoid having any of DRI's saturation rates exceed 1 (if the Merchandising Week data should show an increasing trend). Instead of using Merchandising Week data, it seemed reasonable to set

DRI's saturation rates (SATDRI) for such series equal to 1 during the entire interval. Refrigerators were the only appliance with Census saturation rates equal to unity and most Merchandising Week refrigerator saturation series were between 90 and 100 percent, anyway. As will be explained, this put these series into a category known as NEW series.

Having eliminated the refrigerator series, the remaining 408 saturation series were plotted and divided into three categories. The series in the first category were called OLD series. Each of these series exhibited a monotonic or near-monotonic increase or decline, with no markedly deviant points. OLD series were not adjusted; their SATDRI's were created exactly as outlined above. Only 33 Merchandising Week series met this standard of smoothness and uniformity.

Each remaining Merchandising Week series was evaluated to decide whether to try to salvage some of the values or whether to discard the series completely. Those that were adjusted were called UP series. The discarded series were replaced by Census data and were called NEW series. SATDRI's for the 248 UP series were created in the same way as for the OLD but with adjusted numbers. The additional 127 NEW series were defined as linear interpolations and extrapolations from the two Census values. Therefore, there was no need to create constant series for them as SATDRI was defined as equal to the NEW series.

The decision to treat a series as an UP or as a NEW was made after viewing a plot of each series. Some series were clearly acceptable except for one or two deviant points. In these cases, either a coding error or the temporary absence/presence from the sample of a utility are suspected as causing the problem points. These series were updated and are referred to as UP series. Other series behaved less discriminately. Occasionally, more than one trend line was apparent. Less frequently, the series shifted about without any pattern with the liklihood of an increase or a decrease being about equal. Good series could not be produced unless the initial input from the Merchandising Week data was credible. Frequently, we concluded that the Merchandising Week series were beyond hope and resorted to Census data to create the NEW series. The saturation rate in Figure 2-1 is one such example. The second curve in the figure is the benchmarked DRI saturation rate which was created using only Census data.

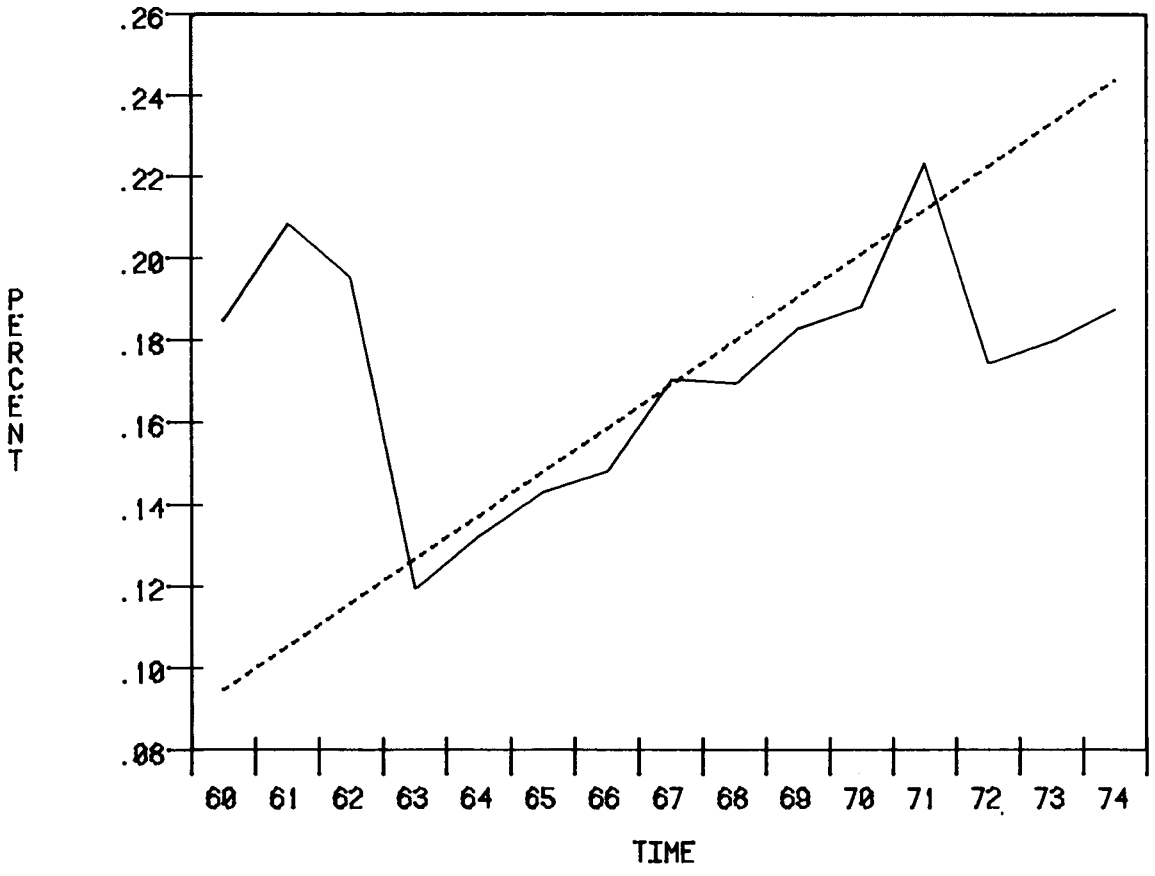

Figure 2-1. Merchandising Week (——) and DRI (---) Saturation Rates of Clothes Dryers in Illinois

The remaining 375 series were assigned to the NEW and UP groups following a subjective analysis which consciously attempted to make as many series UP as possible. Generally, two types of Merchandising Week series were updated — series with one or two obviously deviant points, and series which would produce a realistic curve when discordant values were omitted. Each series was plotted, doubtful values were identified, and the series were replotted without dubious data points. Updated series were created by interpolation when a majority of the original data remained intact and when most deleted points did not fall in extreme years. Figure 2-2 illustrates a series which we felt contained two deviant points 1961 and 1962 which we deleted in updating the series. The second curve in the figure is the benchmarked DRI saturation rate. Note that the DRI curve is beneath the Merchandising Week series because of the 1960 and 1970 Census values. A longer

interval (1968-1974) of doubtful values is shown in Figure 2-3. Again, these values were revised in updating the series. Most updated series were not categorized as easily as the examples above. Nonetheless, choices had to be made for each series. The notion that an adjusted series for which observations were probably made by the same set of utilities is superior to a series created from the two Census data points directed our efforts.

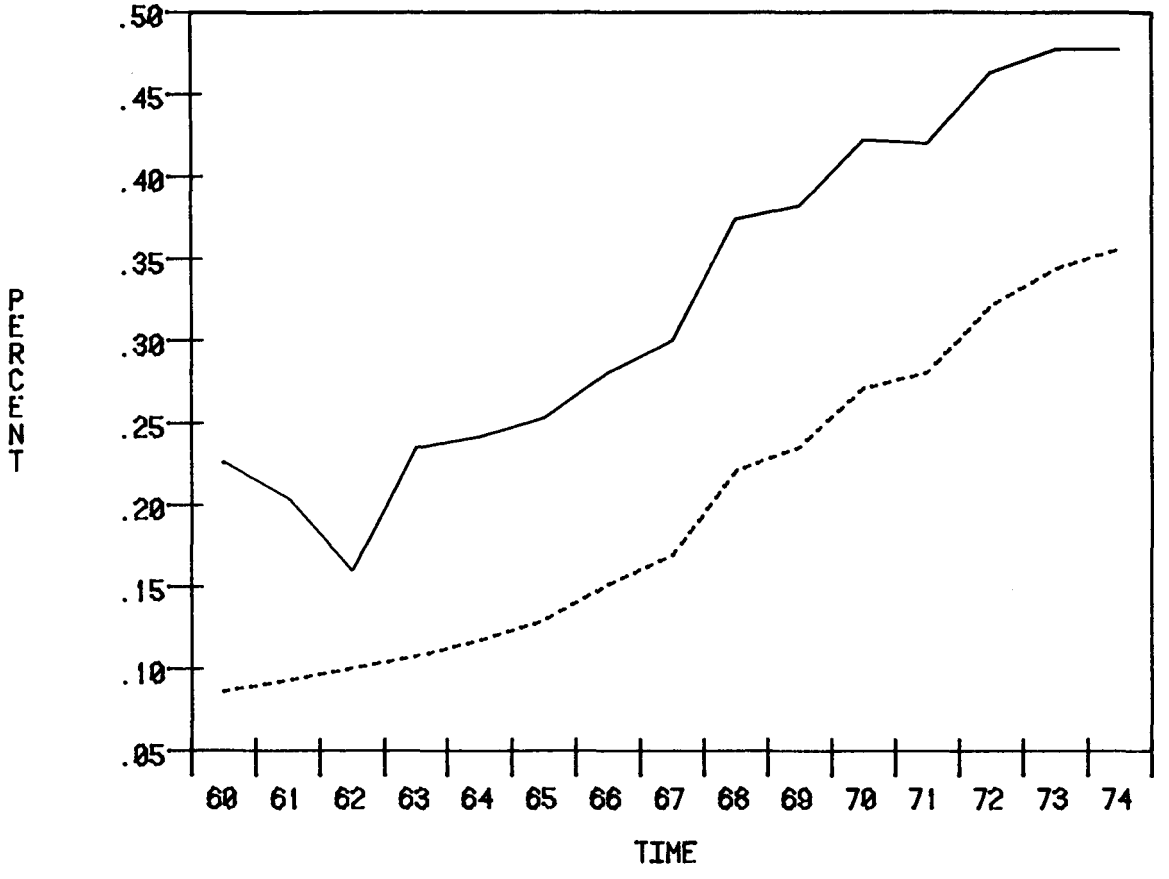

Figure 2-2. Merchandising Week (——) and DRI (---) Saturation Rates of Clothes Dryers in New Mexico

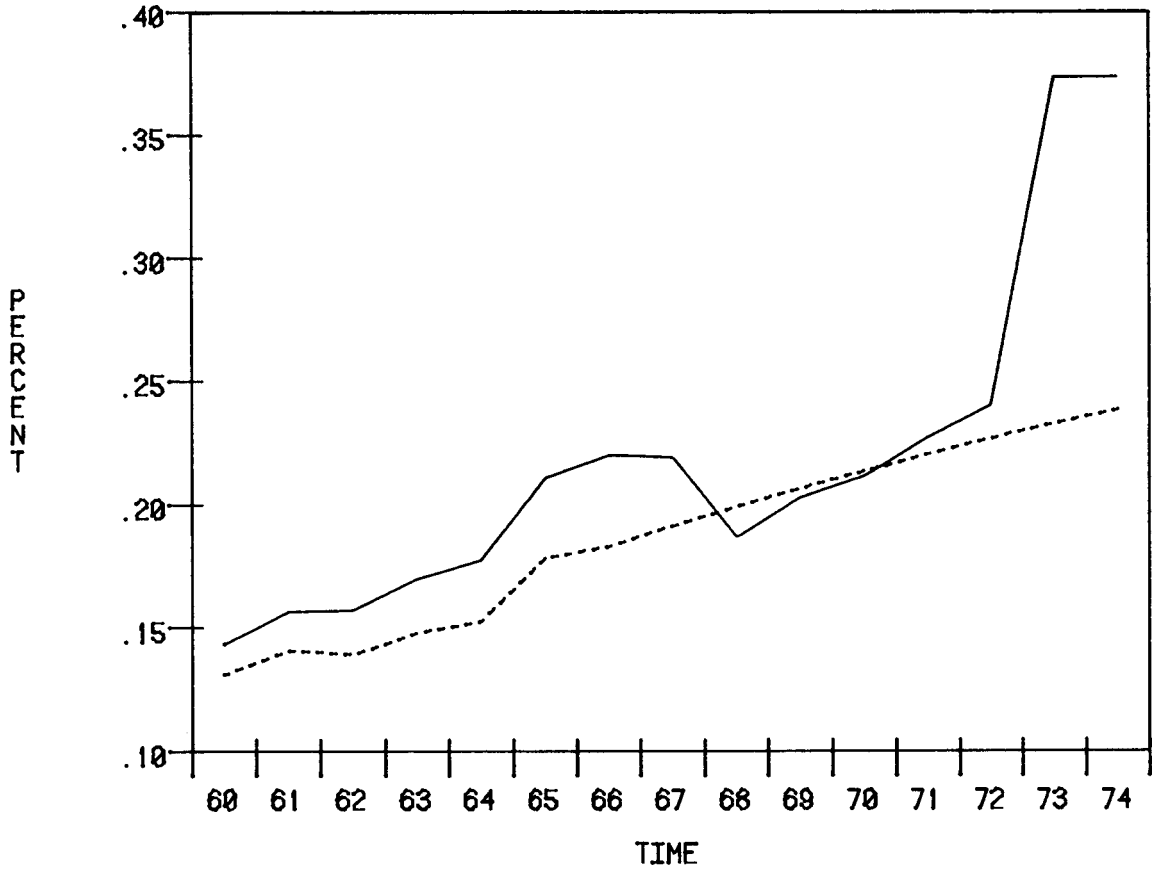

Figure 2-3. Merchandising Week (——) and DRI (---) Saturation Rates of Home Freezers in Connecticut

It would be virtually impossible to present a paradigm of the types of saturation series which were adjusted since decision rules were adapted to each situation and series. In general, however, we followed these guidelines:

1. Saturation rates should increase.
2. Relatively small declines can occur for one or two years.
3. Substantial declines were omitted and replaced with linear interpolations.
4. When substantial declines occurred at the beginning or end of the interval they were omitted and saturation rates were held constant.
5. If more than three discrete adjustments were necessary, the series was usually made a NEW.

Undoubtedly, other analysts would have treated certain of the series differently, but they too would have resorted to their own judgment in these cases.

Estimated appliance stocks were created by state as the product of DRI state saturation rates and state housing stocks.

$$STOCK_t^A = SATDRI_t^A * \text{Total Stock of Homes}_t \qquad (2\text{-}3)$$

The stock series were plotted and decrements in stocks were examined. Stocks declined for two reasons. First, when the Merchandising Week data implied an increasing (decreasing) series and the Census observation in 1970 was lower (higher) than in 1960, the resulting stock series was hyperbolic and declining (increasing). The series' shape was entirely due to using two conflicting pieces of information. In these cases, we resorted to Census data and made these into NEW series.

Second, stocks declined when a saturation series' decrement outweighed the effect of an increase in the housing stock. Some decreases in stock were very small and thus we disregarded them. However, in most cases, we concluded that too large a saturation decrement had been ignored and so interpolated out the unacceptable observation.

The final stock series for the nine appliances (refrigerators, home freezers, room air conditioners, electric ranges, electric water heaters, automatic washers, conventional washers, electric dryers, and dishwashers) and the total stock of homes calculated from depreciation rates are listed in the Appendix.

STOCK OF HOMES WITH CENTRAL AIR CONDITIONING

The stock of homes with central air conditioning (CAC) is available from the Census both nationally and by state in 1960 and 1970. Also, total CAC factory shipments data are available annually from the Air Conditioning and Refrigeration Institute (ACRI). The original DRI investigators contacted air conditioning experts who suggested that CACs had an average life of 12 to 13 years. This implies a depreciation rate of between 7.7% and 8.5%. Since depreciation rates probably vary by region, they chose an 8% rate as being typical.

With the ACRI data and the 8% depreciation rate, the original investigators calculated the national stock of CAC by aggregating shipments starting in 1953, the earliest year for which data on shipments were available.

$$K_c(N, t) = \sum_{i=0}^{m} (1-r)^i \, S_c(N, t-i) \qquad (2\text{-}4)$$

where

K_c = stock of CAC

r = 8.0%, the depreciation rate

S_c = shipment of CAC units

N = a national variable.

They then compared the national stock to the Census number of houses with CAC in 1960 and 1970. The ratio of Census CAC to calculated CAC ($K_c(t)$), was 1.54 in both years. The investigators assumed the ratio constant and created a national CAC stock series benchmarked to the Census data,

$$U_c(N,t) = 1.54 * K_c(N, t) \, , \qquad (2\text{-}5)$$

where t = 1960-1974.

In the next step the national stocks were allocated to the states. First, the yearly ratio of homes with CAC added nationally to total homes added nationally was computed,

$$R(N,t) = \frac{I(N, t)}{H(N, t)} \, , \qquad (2\text{-}6)$$

where

$$I(N, t) = U_c(N, t) - U_c(N, t-1) \qquad (2\text{-}6a)$$

and

$$H(N, t) = HS(N, t) - HS(N, t-1), \quad \text{with HS = housing stock.} \tag{2-6b}$$

Then they computed the analogous ratio for each state, S, over a ten-year period using available Census data,

$$R(S) = \frac{I(S)}{HS(S,1970) - HS(S,1960)} . \tag{2-7}$$

Preliminary estimates of state stocks of CAC were derived using both these ratios

$$I(S,t) = R(N, t) * R(S) * HS(S,t). \tag{2-8}$$

Since these numbers were only estimates, there were two types of inconsistencies. The sum of the state additions in one year did not always equal the yearly addition,

$$\sum_{S=1}^{51} I(S, t) \neq I(N, t) , \tag{2-9}$$

and the sum of the yearly additions for one state did not always equal the total ten-year addition,

$$\sum_{t=1960}^{1970} I(S,t) \neq I(S) , \tag{2-10}$$

To correct these errors, DRI assumed that each state had an inherent error, E_S and that each year had an error, E_t. Then it created 10 yearly equations and 51 state equations of the following forms:

$$E_t \sum_{S=1}^{51} E_S * I(S,t) = I(N, t) \tag{2-11}$$

$$E_S \sum_{t=60}^{70} E_t * I(S,t) = I(S) . \tag{2-12}$$

Using the 61 yearly and state equations, DRI estimated the 61 error coefficients and used them to produce the final estimates of investment in CAC, which were added to the 1960 stocks to produce annual stocks.

Two departures from the original procedure were made in this study. Different data were used for the stock of homes. Depreciation rate housing data instead of housing data based on electricity customers were used as was explained earlier. This change did not substantially alter the results.

The second and more important modification involved our use of geometric means instead of a simple product in equation (2-8), for the product of the two ratios, R(t) and R(S). By taking the square root of the product of these ratios, we maintain the relationship between states described by the data inherent in the ratios. States not investing heavily in CAC (relative to new dwelling units built) are not disproportionately affected in years when national CAC investment declines. Thus, the new estimates of state CAC have been improved.

ELECTRICALLY HEATED HOUSES

In the original study, estimates of the stock of electricially heated houses were derived from Census data and Federal Power Commssion (FPC) Typical Electric Bills for Electrically Heated Homes by benchmarking growth rates from the FPC reports to the 1960 and 1970 Census data. Included in the FPC reports are those electric heat customers whose price schedules include an incentive electric heat rate. Every utility does not offer incentive electric heat schedules. Hence, FPC data underestimate these stocks in certain states. The FPC data were then inflated by a technique which relied on estimated scrappage ages and Census estimates of regional trends toward electric heat.

In general, the original estimates, which ran from 1960-1973, were acceptable. Twelve series, however, implied excessive scrappage or purchase rates and these were replaced with values obtained via linear interpolation. Table 2-2 lists these series and the years of interpolation.

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Table 2-2

Interpolated Electric Heat Series and Years of Interpolation

State	Years
Alabama	1965-1966
Kentucky	1966-1968
Nebraska	1966
Washington	1966
Georgia	1967, 1973
New Mexico	1969
Nevada	1969-1972
Connecticut	1971
Arizona	1973
Wyoming	1973

The electrically heated houses series ended in 1973, while every other series continued through at least 1974. Rather than constrain researchers to the 1960-1973 interval, we provided estimates of electrically heated homes in 1974, increasing 1973 values by the average growth rate for 1972-1973. These estimates for 1974 are, of course, not as good as the earlier estimates, but their error is limited by the low scrappage rate for electric heat.

GAS- AND OIL-HEATED HOUSES

The original study obtained annual estimates by state of the number of homes heated by gas directly from trade sources, the American Gas Association (AGA), and benchmarked these series to the 1960 and 1970 Census of Housing data. Discrepancies exist between AGA and Census data for two reasons, although the differences are in general small. First, some homes reported in the Census as heated with natural gas may in fact have liquified petroleum gas heat. Second, in some cases, one natural gas meter may serve more than one dwelling unit which would cause the Census number to exceed AGA's number. The AGA estimates are benchmarked to the Census values in 1960 and 1970.

AGA series were benchmarked using the methodology described above for the case of electricial appliances. Generally, the ratios of Census to AGA data in 1960 and 1970 are interpolated between 1960 and 1970 and extrapolated beyond 1970. The ratio is then multiplied by the AGA numbers to create a new series. The created series conform to AGA's trends but remain within a range established by Census values.

This methodology while not fully rigorous is theoretically acceptable, but it is easily perverted in practice. Distorted series can be created for two reasons. First, as occassionally occurred with the appliance series, the trend series and the benchmark series may have had slopes of opposite signs, so that the two forces (the trend and benchmark series) pull in opposite directions. The resulting series has a hyperbolic shape. Second, even if the trend and benchmark series have slopes with the same sign, if the trend series implies a substantially greater (lower) growth rate than the benchmark series, the created series will not be smooth and continuous and may in fact be hyperbolic, as well. The created series would be properly benchmarked but it would demonstrate a pattern dissimilar to the AGA series. The new pattern does not represent the historical trend and therefore is not acceptable. Whenever a series such as this was identified, we replaced objectionable values by interpolating between values considered to be satisfactory. Table 2-3 lists the series and years which were interpolated.

Table 2-3

Interpolated Gas Heat Series and Years of Interpolation

State	Years
Alabama	1961, 1971-1974
California	1969
District of Colombia	1961-1969, 1971-1974
Delaware	1974
Florida	1974
Georgia	1963, 1974
Iowa	1961, 1967-1969
Kentucky	1969
Maryland	1961-1969, 1971-1974
Maine	1971-1974
Mississippi	1963, 1974
Montana	1961
New Hampshire	1963-1964, 1971-1974
New Jersey	1969
New Mexico	1963
New York	1972
Oklahoma	1963
Rhode Island	1974
Tennessee	1961
Texas	1971
Vermont	1961-1969, 1971-1974
Wyoming	1963, 1965

As was done in the original study, estimates of the number of homes heated by fuels other than gas and electricity were created by subtracting our estimates of electrically heated homes and homes heated by gas from the total stock of housing. However, we used the housing series calculated from depreciation rates for the reasons already described above.

APPENDIX A

APPLIANCES

TABLE A-1

STOCK OF REFRIGERATORS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	290.102	291.615	292.725	293.918	295.266	296.748	299.021	301.308
NEW HAMPSHIRE	186.056	188.647	191.908	195.482	199.418	203.648	208.579	213.490
VERMONT	114.198	115.358	116.556	117.888	119.227	120.703	123.014	125.577
MASSACHUSETTS	1,580.787	1,595.676	1,612.952	1,633.776	1,657.153	1,686.076	1,710.560	1,728.195
CONNECTICUT	774.735	787.007	799.189	813.717	829.866	851.290	872.246	890.281
RHODE ISLAND	267.155	269.714	272.162	275.047	278.164	281.923	286.600	289.770
NEW YORK	5,370.630	5,435.638	5,520.824	5,615.765	5,692.457	5,743.710	5,807.963	5,859.759
PENNSYLVANIA	3,437.003	3,460.228	3,481.777	3,510.890	3,537.327	3,570.000	3,610.369	3,647.133
NEW JERSEY	1,849.278	1,881.478	1,919.473	1,956.771	2,002.760	2,062.256	2,115.651	2,155.121
DELAWARE	133.990	135.355	136.329	138.271	141.293	145.903	151.238	154.637
MARYLAND	892.729	909.095	931.944	962.031	1,003.592	1,040.538	1,087.898	1,126.814
DIST. OF COLUMBIA	259.913	259.797	259.549	260.810	265.055	270.358	275.675	277.384
OHIO	2,945.475	2,982.089	3,013.525	3,053.721	3,100.452	3,146.712	3,193.959	3,227.933
WEST VIRGINIA	540.622	541.719	542.216	543.078	544.635	546.968	549.874	552.698
VIRGINIA	1,112.731	1,133.421	1,156.714	1,189.972	1,225.793	1,265.306	1,308.436	1,335.672
INDIANA	1,430.261	1,444.485	1,458.932	1,477.627	1,499.698	1,523.653	1,552.059	1,575.581
MICHIGAN	2,331.076	2,353.967	2,373.573	2,398.072	2,429.200	2,470.440	2,523.157	2,567.514
WISCONSIN	1,175.941	1,191.075	1,202.903	1,214.938	1,231.024	1,251.983	1,275.266	1,291.895
ILLINOIS	3,182.293	3,214.399	3,250.273	3,288.520	3,324.763	3,363.158	3,407.931	3,448.160
KENTUCKY	879.387	887.854	895.698	905.728	919.028	935.872	955.158	967.300
TENNESSEE	1,035.476	1,050.211	1,065.162	1,080.302	1,099.118	1,120.786	1,145.240	1,167.166
NORTH CAROLINA	1,243.526	1,263.115	1,283.925	1,307.239	1,332.930	1,362.587	1,393.827	1,424.494
SOUTH CAROLINA	628.538	634.388	640.253	648.582	658.576	670.360	683.676	696.311
ALABAMA	918.772	928.631	939.798	953.554	970.818	986.658	1,003.241	1,017.432
GEORGIA	1,108.635	1,125.653	1,143.388	1,169.339	1,203.479	1,235.085	1,267.614	1,292.110
FLORIDA	1,658.715	1,719.106	1,772.812	1,828.832	1,891.035	1,959.704	2,025.626	2,084.076
MINNESOTA	1,015.910	1,026.784	1,037.332	1,051.180	1,066.479	1,082.640	1,097.013	1,106.767
IOWA	861.086	865.183	868.442	872.082	875.996	882.165	891.658	897.172
MISSOURI	1,410.334	1,421.707	1,432.930	1,445.155	1,462.540	1,486.119	1,509.090	1,523.951
ARKANSAS	540.698	546.213	552.404	561.120	570.953	582.429	594.904	604.156
LOUISIANA	929.865	941.171	951.562	965.005	980.646	1,000.241	1,023.645	1,039.719
MISSISSIPPI	583.141	587.681	591.976	597.897	604.753	612.478	621.149	628.797
OKLAHOMA	767.184	774.964	783.852	796.341	811.007	824.273	837.292	845.639
NORTH DAKOTA	178.064	178.416	178.580	179.131	180.310	181.635	182.879	183.462
SOUTH DAKOTA	199.854	200.474	201.270	202.327	203.537	204.415	205.361	205.304
MONTANA	202.960	205.232	207.604	209.656	211.913	214.436	217.262	219.327
WYOMING	103.213	104.523	105.188	106.291	106.859	107.672	108.006	107.853
IDAHO	201.750	203.408	205.196	207.339	209.486	211.907	214.876	217.005
WASHINGTON	942.759	950.614	960.886	979.290	996.008	1,008.884	1,023.889	1,044.738
OREGON	581.647	590.217	599.204	609.446	623.235	638.384	653.584	666.659
NEBRASKA	446.132	450.493	455.065	460.253	464.344	467.824	472.285	473.988
KANSAS	701.546	703.653	706.316	710.985	714.905	720.688	727.626	732.382
TEXAS	2,938.507	2,983.684	3,037.191	3,110.717	3,186.848	3,254.168	3,308.567	3,352.516
NEW MEXICO	262.481	267.252	270.762	275.642	282.031	287.381	291.968	294.659
COLORADO	551.877	566.069	585.646	602.618	617.319	631.348	644.502	654.702
UTAH	251.146	257.511	264.575	272.208	279.889	284.753	288.754	291.299
ARIZONA	387.509	408.929	427.987	448.258	471.895	489.041	499.136	507.600
NEVADA	95.932	101.202	108.718	127.293	142.358	148.434	152.919	154.495
CALIFORNIA	5,237.730	5,397.436	5,568.786	5,781.115	6,050.799	6,272.772	6,410.359	6,466.498
ALASKA	59.835	61.330	63.279	65.040	67.180	69.455	72.026	74.093
HAWAII	157.569	162.138	165.030	170.140	173.181	176.835	184.243	190.416

TABLE A-1 (CONTD)

STOCK OF REFRIGERATORS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	303.946	307.592	312.657	319.475	326.600	334.792	341.122
NEW HAMPSHIRE	219.229	225.394	232.218	239.309	248.187	258.724	268.360
VERMONT	128.866	132.132	136.098	139.477	142.634	146.733	150.375
MASSACHUSETTS	1,748.634	1,777.046	1,803.568	1,835.228	1,881.538	1,922.128	1,956.174
CONNECTICUT	908.688	930.768	952.614	971.456	992.512	1,013.896	1,032.725
RHODE ISLAND	292.938	297.012	300.701	303.551	310.050	317.152	322.416
NEW YORK	5,914.812	5,976.140	6,025.851	6,074.698	6,150.716	6,238.899	6,296.685
PENNSYLVANIA	3,692.554	3,738.547	3,785.708	3,832.021	3,891.164	3,963.924	4,032.642
NEW JERSEY	2,191.665	2,225.710	2,257.153	2,290.287	2,340.009	2,396.655	2,440.800
DELAWARE	159.679	165.397	169.710	174.667	180.011	187.967	195.302
MARYLAND	1,152.964	1,179.737	1,207.229	1,237.200	1,276.154	1,324.739	1,367.567
DIST. OF COLUMBIA	276.461	274.911	273.969	273.099	271.157	269.329	268.474
OHIO	3,273.328	3,326.894	3,378.579	3,430.770	3,511.119	3,590.370	3,641.742
WEST VIRGINIA	555.450	559.572	565.057	572.669	581.224	592.287	602.743
VIRGINIA	1,365.534	1,399.939	1,432.097	1,470.197	1,533.749	1,609.749	1,678.587
INDIANA	1,600.815	1,630.987	1,664.459	1,692.831	1,736.185	1,781.508	1,825.188
MICHIGAN	2,620.563	2,676.442	2,731.111	2,778.815	2,849.464	2,921.200	2,986.059
WISCONSIN	1,311.768	1,334.909	1,357.029	1,376.878	1,405.313	1,438.166	1,469.058
ILLINOIS	3,499.969	3,564.908	3,620.626	3,662.226	3,734.011	3,802.980	3,857.455
KENTUCKY	982.833	1,001.353	1,020.632	1,042.945	1,076.057	1,111.674	1,136.642
TENNESSEE	1,194.147	1,225.593	1,255.585	1,282.940	1,329.437	1,387.364	1,439.124
NORTH CAROLINA	1,463.100	1,508.271	1,558.583	1,614.271	1,686.058	1,774.299	1,847.022
SOUTH CAROLINA	717.948	740.784	766.432	797.502	834.200	883.784	927.187
ALABAMA	1,034.303	1,053.446	1,073.694	1,096.869	1,130.030	1,169.615	1,203.722
GEORGIA	1,329.240	1,372.955	1,422.438	1,481.145	1,560.208	1,631.455	1,683.831
FLORIDA	2,153.473	2,263.544	2,394.511	2,508.254	2,686.682	2,986.944	3,266.263
MINNESOTA	1,125.542	1,153.443	1,180.496	1,200.503	1,226.730	1,258.311	1,276.558
IOWA	906.462	915.353	923.561	932.623	944.279	955.317	963.956
MISSOURI	1,541.470	1,565.915	1,587.860	1,606.123	1,636.090	1,669.449	1,691.997
ARKANSAS	614.897	627.109	639.441	652.638	672.404	693.897	713.248
LOUISIANA	1,056.424	1,077.378	1,102.596	1,122.208	1,160.086	1,202.711	1,236.155
MISSISSIPPI	637.395	646.735	661.696	676.484	695.955	723.243	751.325
OKLAHOMA	858.586	876.795	896.060	914.903	948.177	982.694	1,001.157
NORTH DAKOTA	184.549	186.043	188.162	189.869	192.878	196.842	199.825
SOUTH DAKOTA	205.911	206.565	207.904	209.527	211.672	216.045	218.823
MONTANA	221.420	223.513	226.868	229.719	234.161	239.525	243.623
WYOMING	107.970	108.165	108.694	109.778	111.032	113.530	116.046
IDAHO	219.375	222.416	226.101	232.025	239.721	249.826	258.367
WASHINGTON	1,084.145	1,129.770	1,160.822	1,181.143	1,206.180	1,230.133	1,254.366
OREGON	680.964	698.524	714.568	731.453	764.496	801.925	832.504
NEBRASKA	478.831	485.134	491.131	496.332	507.496	518.670	525.882
KANSAS	738.659	748.007	757.372	763.342	773.771	787.335	797.473
TEXAS	3,423.042	3,527.647	3,625.214	3,718.224	3,845.634	3,985.805	4,086.503
NEW MEXICO	297.331	301.697	305.063	312.605	327.672	348.214	364.240
COLORADO	670.056	690.596	713.504	743.525	798.835	866.336	908.697
UTAH	295.241	299.507	304.693	313.230	326.472	345.817	360.334
ARIZONA	518.374	536.174	566.527	601.311	663.748	735.801	796.690
NEVADA	155.875	160.061	166.015	175.136	189.092	207.751	222.875
CALIFORNIA	6,530.982	6,652.119	6,796.824	6,949.150	7,174.982	7,423.776	7,598.997
ALASKA	76.968	79.647	83.115	86.903	90.408	94.263	97.909
HAWAII	193.333	200.432	209.416	215.146	222.330	232.334	244.744

TABLE A-2

STOCK OF HOME FREEZERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	46.748	49.651	52.509	55.403	58.349	61.348	64.545	67.786
NEW HAMPSHIRE	25.429	28.661	32.007	41.869	42.934	44.054	45.314	46.560
VERMONT	24.318	25.651	27.014	28.433	29.878	31.384	33.142	35.015
MASSACHUSETTS	115.638	119.003	122.614	127.993	145.969	161.770	176.662	189.332
CONNECTICUT	101.505	110.806	111.292	120.489	126.576	151.877	159.789	170.368
RHODE ISLAND	14.619	16.248	17.898	19.606	21.363	23.208	25.175	27.053
NEW YORK	514.174	556.604	602.100	649.859	696.650	741.180	788.157	834.216
PENNSYLVANIA	527.389	563.632	609.192	654.766	670.076	747.281	769.009	788.799
NEW JERSEY	216.376	231.675	248.117	264.931	283.431	304.490	325.340	344.617
DELAWARE	27.988	29.198	30.340	31.717	33.376	35.462	37.793	39.699
MARYLAND	149.175	160.729	171.169	182.448	238.167	255.110	274.435	297.170
DIST. OF COLUMBIA	19.722	25.560	31.014	36.306	35.788	36.552	38.406	39.632
OHIO	547.817	636.528	652.528	719.824	764.244	765.129	834.494	870.774
WEST VIRGINIA	86.235	95.843	105.314	110.180	111.314	127.409	138.119	152.957
VIRGINIA	202.407	213.381	213.434	233.984	255.069	276.954	291.879	334.106
INDIANA	345.187	349.565	352.517	373.244	394.089	400.609	448.162	462.136
MICHIGAN	448.273	481.051	510.308	517.984	527.998	630.923	677.603	702.159
WISCONSIN	326.285	340.899	381.428	403.688	418.408	424.804	431.358	436.661
ILLINOIS	533.672	564.325	596.174	629.041	662.111	696.195	732.254	768.004
KENTUCKY	150.500	160.572	170.769	178.103	190.309	195.014	208.027	227.181
TENNESSEE	217.169	228.118	229.101	247.326	267.533	276.788	311.146	362.994
NORTH CAROLINA	272.314	314.420	359.218	380.568	438.349	458.596	481.526	503.825
SOUTH CAROLINA	129.982	137.793	140.211	156.025	157.309	172.479	191.222	204.105
ALABAMA	177.575	190.563	214.872	232.060	238.917	250.187	289.868	330.138
GEORGIA	222.513	256.649	292.707	330.588	348.673	403.141	437.257	465.505
FLORIDA	210.617	229.816	249.082	269.621	292.099	316.711	342.063	367.285
MINNESOTA	322.913	338.432	354.096	371.172	389.103	407.719	426.019	442.810
IOWA	263.422	269.080	280.968	307.223	329.665	352.989	360.594	368.426
MISSOURI	284.337	289.503	310.195	331.712	355.112	364.315	390.455	415.334
ARKANSAS	116.679	128.666	141.476	152.301	163.967	176.700	190.387	203.674
LOUISIANA	224.003	269.404	285.206	326.247	360.211	362.448	385.284	411.181
MISSISSIPPI	145.165	158.761	172.478	186.886	201.856	217.427	233.680	249.896
OKLAHOMA	142.123	152.668	162.664	187.186	211.109	231.999	242.447	250.505
NORTH DAKOTA	81.974	84.374	86.691	89.206	92.055	95.010	97.955	100.568
SOUTH DAKOTA	74.041	77.105	80.257	83.539	86.916	90.182	93.503	96.379
MONTANA	78.773	82.076	85.473	88.791	92.246	95.873	99.699	103.234
WYOMING	36.250	38.216	39.975	41.925	43.689	45.573	47.270	48.757
IDAHO	78.112	83.477	88.049	96.645	99.374	102.274	105.486	108.331
WASHINGTON	249.218	285.845	291.196	303.033	309.249	328.266	356.002	389.297
OREGON	189.121	200.088	211.440	223.501	237.196	251.810	266.864	281.443
NEBRASKA	136.111	146.158	151.636	161.591	168.563	176.408	186.477	192.702
KANSAS	162.873	170.988	179.404	189.122	198.029	207.672	215.998	215.304
TEXAS	639.315	685.023	726.934	775.441	825.369	873.825	933.340	959.161
NEW MEXICO	61.513	61.810	61.790	65.603	69.944	73.857	78.059	80.843
COLORADO	136.261	145.076	155.587	165.750	175.584	185.498	195.409	204.644
UTAH	65.252	75.539	76.186	82.966	90.023	95.795	101.889	104.249
ARIZONA	69.752	83.156	102.386	106.237	110.877	111.489	118.750	119.002
NEVADA	20.210	21.931	24.216	29.121	33.427	35.749	37.752	39.073
CALIFORNIA	839.862	922.670	993.610	1,008.965	1,117.964	1,157.012	1,241.196	1,288.346
ALASKA	15.261	16.577	18.094	19.641	21.393	23.288	24.926	26.439
HAWAII	29.536	30.755	31.672	33.033	34.010	35.123	37.006	38.671

TABLE A-2 (CONTD)

STOCK OF HOME FREEZERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	71.151	74.809	78.892	83.526	88.367	93.636	98.517
NEW HAMPSHIRE	47.974	49.469	51.096	52.767	54.816	57.214	59.393
VERMONT	37.145	39.330	41.791	44.142	46.483	49.200	51.837
MASSACHUSETTS	197.725	211.422	237.397	257.350	326.983	403.543	443.907
CONNECTICUT	180.991	192.330	203.608	214.186	225.166	236.130	246.372
RHODE ISLAND	28.966	31.008	33.053	35.042	37.504	40.114	42.559
NEW YORK	881.451	930.396	978.272	1,026.664	1,080.480	1,137.527	1,190.004
PENNSYLVANIA	835.634	862.350	893.624	913.757	930.823	951.246	970.806
NEW JERSEY	363.892	383.186	402.432	422.376	445.887	471.369	495.010
DELAWARE	42.085	44.723	47.049	49.617	52.366	55.965	59.484
MARYLAND	305.535	313.810	322.083	325.937	342.831	349.473	389.809
DIST. OF COLUMBIA	39.240	40.776	41.153	42.348	42.218	43.020	47.472
OHIO	926.066	967.801	977.011	1,001.706	1,018.126	1,050.698	1,057.421
WEST VIRGINIA	156.555	157.240	158.278	169.049	171.039	173.749	176.262
VIRGINIA	389.156	419.891	419.370	427.870	443.190	461.394	476.764
INDIANA	495.657	540.153	550.859	566.355	585.796	597.505	622.019
MICHIGAN	711.556	782.426	797.285	868.737	912.396	965.683	1,088.742
WISCONSIN	444.017	469.695	541.210	545.004	561.756	566.637	568.098
ILLINOIS	807.058	850.056	891.805	930.841	978.441	1,026.409	1,071.436
KENTUCKY	254.625	283.889	314.517	340.974	372.179	405.733	448.908
TENNESSEE	403.408	441.583	468.785	512.995	556.336	606.991	657.646
NORTH CAROLINA	529.609	558.577	590.365	625.203	667.489	717.795	824.305
SOUTH CAROLINA	230.372	252.172	271.787	293.221	319.559	370.892	425.641
ALABAMA	373.418	400.310	428.277	479.078	536.598	600.168	663.987
GEORGIA	477.467	488.772	500.698	553.792	613.154	678.100	743.275
FLORIDA	395.614	433.005	478.924	522.261	581.780	672.014	762.812
MINNESOTA	463.545	488.586	513.914	536.728	562.865	592.138	615.723
IOWA	377.832	387.115	393.365	405.568	426.484	445.442	463.412
MISSOURI	459.382	489.113	519.067	548.744	583.479	620.727	655.165
ARKANSAS	216.030	230.581	245.507	262.882	277.070	292.352	307.110
LOUISIANA	418.560	428.380	439.923	449.252	465.929	498.585	509.777
MISSISSIPPI	266.833	284.461	305.078	326.245	350.397	379.478	410.149
OKLAHOMA	258.838	267.665	277.310	306.235	337.739	367.444	388.319
NORTH DAKOTA	103.479	106.650	110.225	113.607	117.827	122.718	127.084
SOUTH DAKOTA	99.576	102.813	106.419	110.212	114.333	119.750	124.383
MONTANA	106.831	110.477	114.811	118.963	124.025	129.692	134.784
WYOMING	50.366	52.015	53.836	55.954	58.193	61.138	64.165
IDAHO	111.339	114.735	118.523	123.570	129.678	137.242	144.108
WASHINGTON	417.182	476.701	483.939	545.989	560.874	574.129	598.659
OREGON	296.920	314.259	331.381	349.350	375.728	405.238	432.229
NEBRASKA	199.263	212.820	218.202	225.248	244.207	262.124	300.882
KANSAS	237.203	253.583	277.572	283.003	292.531	310.613	316.771
TEXAS	1,097.080	1,136.885	1,148.558	1,175.328	1,212.696	1,253.767	1,282.109
NEW MEXICO	97.074	99.414	104.019	106.267	106.983	127.355	132.127
COLORADO	215.729	228.821	243.105	260.309	287.168	319.561	343.711
UTAH	117.495	118.305	119.487	129.894	142.492	158.196	172.126
ARIZONA	119.740	122.014	130.476	140.067	154.264	170.591	184.216
NEVADA	40.362	42.412	44.991	48.519	53.527	60.062	65.779
CALIFORNIA	1,321.420	1,369.701	1,423.936	1,480.991	1,555.240	1,640.505	1,695.888
ALASKA	28.878	31.381	34.346	37.622	40.983	44.696	47.611
HAWAII	39.696	41.601	43.934	45.616	47.636	50.299	53.532

TABLE A-3

STOCK OF ROOM AIR CONDITIONERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	3.567	4.077	4.586	5.100	5.621	6.149	6.700	7.259
NEW HAMPSHIRE	6.645	8.112	9.595	11.338	12.962	14.663	16.463	18.624
VERMONT	2.435	2.780	3.132	3.495	3.865	4.248	4.670	5.116
MASSACHUSETTS	85.062	97.180	115.039	119.245	123.602	128.345	169.837	194.634
CONNECTICUT	57.424	69.645	75.442	87.068	98.754	112.286	137.700	164.518
RHODE ISLAND	13.277	24.818	27.071	29.487	32.053	34.831	37.876	40.873
NEW YORK	682.242	832.834	990.450	1,154.533	1,319.359	1,481.639	1,650.297	1,818.454
PENNSYLVANIA	393.729	464.512	546.235	582.378	612.750	644.999	679.548	830.353
NEW JERSEY	348.810	364.334	408.570	502.057	671.781	690.754	896.862	1,033.436
DELAWARE	25.948	31.415	33.127	39.025	41.438	43.223	51.668	59.725
MARYLAND	144.254	157.274	171.478	188.558	207.744	226.626	251.064	277.299
DIST. OF COLUMBIA	27.061	29.906	35.620	43.122	47.339	56.932	64.823	75.352
OHIO	216.442	231.484	260.354	329.221	390.544	411.533	483.242	541.030
WEST VIRGINIA	34.726	41.452	48.151	54.899	61.747	68.731	75.851	83.031
VIRGINIA	149.309	163.446	177.981	221.902	232.060	242.900	254.418	262.776
INDIANA	128.738	141.628	154.514	181.748	208.868	238.758	256.900	319.843
MICHIGAN	123.621	144.506	146.694	158.534	170.669	220.969	283.774	315.411
WISCONSIN	62.016	65.509	68.565	71.856	87.125	108.589	139.005	159.877
ILLINOIS	472.433	510.866	594.064	623.990	825.504	899.418	1,042.871	1,144.789
KENTUCKY	84.558	90.051	95.687	101.775	152.506	165.767	194.608	223.688
TENNESSEE	255.993	292.644	330.287	368.935	409.906	453.212	499.095	545.334
NORTH CAROLINA	118.253	153.823	187.605	220.102	248.437	279.754	313.822	350.292
SOUTH CAROLINA	83.946	95.642	122.026	135.125	146.908	167.440	193.592	227.863
ALABAMA	171.524	187.430	204.304	267.256	287.362	306.661	323.442	399.866
GEORGIA	150.482	171.201	172.309	185.188	236.499	278.754	323.983	369.776
FLORIDA	336.145	385.015	471.422	479.658	677.596	716.205	831.765	894.069
MINNESOTA	61.798	82.521	89.979	99.862	109.111	135.174	162.032	231.263
IOWA	104.860	105.566	119.283	139.765	177.366	199.131	221.840	239.436
MISSOURI	264.693	279.854	295.193	310.953	328.094	347.001	404.074	449.928
ARKANSAS	84.057	100.366	117.131	134.852	153.367	172.927	193.460	213.560
LOUISIANA	267.480	301.124	335.175	371.071	408.751	449.217	492.782	534.094
MISSISSIPPI	111.411	132.825	154.959	178.355	202.973	228.909	256.314	266.610
OKLAHOMA	267.088	285.103	303.855	324.424	346.417	368.363	390.719	411.316
NORTH DAKOTA	3.830	5.377	6.922	8.489	10.101	11.742	13.400	15.025
SOUTH DAKOTA	14.548	18.149	21.791	25.494	29.256	33.008	36.803	40.434
MONTANA	7.173	8.089	9.027	9.970	10.939	11.942	12.983	13.999
WYOMING	4.455	4.946	5.414	5.913	6.388	6.884	7.354	7.792
IDAHO	12.244	16.241	17.202	18.342	19.515	20.748	22.073	23.349
WASHINGTON	30.014	33.711	37.559	41.829	46.155	50.410	54.872	59.777
OREGON	21.653	24.847	28.144	31.593	35.343	39.311	43.431	47.546
NEBRASKA	98.388	112.983	122.519	128.469	142.090	152.555	163.241	184.134
KANSAS	220.112	236.161	269.774	278.343	286.742	301.556	317.340	332.647
TEXAS	1,055.161	1,133.070	1,216.182	1,309.938	1,407.884	1,504.903	1,598.464	1,689.009
NEW MEXICO	17.590	23.106	26.155	29.442	33.028	36.635	40.270	43.743
COLORADO	26.565	31.842	37.697	43.680	49.756	56.011	62.408	68.709
UTAH	17.438	20.492	23.739	27.185	30.792	34.216	37.627	40.914
ARIZONA	51.088	55.512	59.774	64.359	69.599	74.042	77.524	80.825
NEVADA	6.468	7.777	9.379	12.181	14.964	17.001	18.955	20.606
CALIFORNIA	449.071	519.813	580.270	921.226	1,014.234	1,084.234	1,140.150	1,181.160
ALASKA	0.523	0.516	0.513	0.507	0.503	0.498	0.494	0.485
HAWAII	2.476	2.594	2.806	2.892	4.330	5.622	7.776	9.073

TABLE A-3 (CONTD)

STOCK OF ROOM AIR CONDITIONERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	7.834	8.447	9.113	9.850	10.620	11.450	12.242
NEW HAMPSHIRE	20.793	22.935	25.072	27.156	29.357	31.667	33.761
VERMONT	5.607	6.116	6.677	7.230	7.789	8.420	9.046
MASSACHUSETTS	258.565	342.854	402.002	460.566	527.033	619.015	687.403
CONNECTICUT	208.828	258.514	310.699	344.468	397.040	438.013	480.411
RHODE ISLAND	44.010	47.437	50.765	53.428	70.309	83.071	95.361
NEW YORK	1,990.419	2,167.544	2,343.363	2,521.427	2,714.038	2,916.317	3,108.209
PENNSYLVANIA	1,134.359	1,218.972	1,307.848	1,400.396	1,501.925	1,613.644	1,728.965
NEW JERSEY	1,120.933	1,211.474	1,304.848	1,403.509	1,517.386	1,641.772	1,763.548
DELAWARE	68.343	77.736	86.852	91.681	97.530	105.049	112.516
MARYLAND	340.266	405.175	472.096	494.492	527.241	560.310	633.181
DIST. OF COLUMBIA	87.472	103.457	120.761	139.218	152.514	168.329	175.263
OHIO	602.108	747.103	791.619	852.359	882.735	913.324	937.224
WEST VIRGINIA	90.268	97.812	105.712	114.171	123.017	132.635	142.381
VIRGINIA	337.584	436.411	535.457	540.107	553.444	570.361	583.795
INDIANA	384.654	428.620	473.319	530.618	552.077	588.257	609.613
MICHIGAN	392.221	430.387	514.784	530.028	549.384	568.701	586.381
WISCONSIN	176.142	267.668	283.532	312.411	326.920	342.908	358.901
ILLINOIS	1,251.745	1,370.997	1,560.939	1,667.324	1,736.315	1,804.822	1,827.033
KENTUCKY	255.187	298.001	343.703	375.004	393.679	413.702	430.143
TENNESSEE	595.472	649.672	705.033	760.715	830.069	909.842	989.017
NORTH CAROLINA	391.489	437.637	488.857	545.730	612.698	691.320	769.807
SOUTH CAROLINA	251.599	277.175	305.357	337.493	374.128	419.190	464.208
ALABAMA	461.012	486.551	513.538	542.947	578.559	619.023	658.201
GEORGIA	422.008	479.831	550.712	630.469	725.490	824.142	919.624
FLORIDA	961.807	999.180	1,286.559	1,406.191	1,548.296	1,701.312	2,045.430
MINNESOTA	305.886	319.815	331.787	359.544	437.152	450.702	471.004
IOWA	254.395	292.714	297.804	343.791	358.037	359.891	360.799
MISSOURI	513.277	554.309	627.022	702.970	772.414	830.089	866.427
ARKANSAS	234.752	257.155	280.301	304.549	332.794	363.061	393.364
LOUISIANA	576.788	623.018	673.205	721.417	783.226	850.841	914.418
MISSISSIPPI	276.450	315.139	339.020	459.772	514.137	569.916	621.646
OKLAHOMA	434.571	461.105	488.935	517.286	554.827	594.433	625.375
NORTH DAKOTA	16.706	18.446	20.280	22.102	24.116	26.310	28.432
SOUTH DAKOTA	44.206	48.010	52.008	56.130	60.459	65.540	70.264
MONTANA	15.034	16.086	17.250	18.402	19.710	21.137	22.490
WYOMING	8.249	8.714	9.208	9.756	10.329	11.033	11.759
IDAHO	24.685	26.137	27.711	29.622	37.553	46.775	52.152
WASHINGTON	65.963	72.835	79.046	84.713	90.882	97.147	103.609
OREGON	51.883	56.623	61.404	66.417	73.141	80.628	87.757
NEBRASKA	191.185	195.375	201.569	210.075	223.404	232.386	231.388
KANSAS	349.115	367.596	386.714	404.672	425.598	449.014	471.248
TEXAS	1,795.311	1,923.106	2,051.245	2,180.746	2,334.979	2,502.493	2,650.204
NEW MEXICO	47.293	63.776	66.756	70.746	76.281	91.926	96.393
COLORADO	75.759	83.686	92.253	102.169	116.253	133.107	146.990
UTAH	44.463	48.144	52.069	56.706	62.416	69.622	76.201
ARIZONA	84.569	89.571	96.858	105.158	118.675	134.437	148.680
NEVADA	22.259	24.364	26.835	29.959	34.128	39.453	44.425
CALIFORNIA	1,222.869	1,274.606	1,330.560	1,370.806	1,425.120	1,482.364	1,524.346
ALASKA	0.479	0.471	0.466	0.460	0.450	0.439	0.426
HAWAII	21.226	24.424	29.067	34.105	37.253	41.058	45.526

TABLE A-4

STOCK OF ELECTRIC RANGES
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	108.881	110.724	112.359	115.678	132.058	148.193	162.116	161.161
NEW HAMPSHIRE	84.678	89.304	94.331	96.590	99.042	101.656	113.658	119.776
VERMONT	43.934	46.768	49.667	52.675	55.741	58.929	62.604	66.508
MASSACHUSETTS	475.747	512.702	534.782	542.294	576.408	595.989	614.363	630.578
CONNECTICUT	324.458	336.975	349.724	363.793	389.464	437.583	460.121	474.099
RHODE ISLAND	81.397	86.519	91.518	96.580	101.636	106.853	112.357	117.194
NEW YORK	843.803	882.748	925.764	971.368	1,014.723	1,054.219	1,096.712	1,137.465
PENNSYLVANIA	1,038.149	1,073.773	1,109.247	1,147.551	1,185.438	1,225.905	1,269.617	1,312.701
NEW JERSEY	295.456	311.026	328.095	345.623	370.613	399.261	417.327	433.058
DELAWARE	46.144	46.362	46.438	46.834	47.583	48.849	50.334	51.153
MARYLAND	203.973	212.265	223.515	232.701	255.117	266.574	291.492	321.507
DIST. OF COLUMBIA	20.220	20.969	20.585	21.388	22.411	23.508	23.522	24.965
OHIO	971.696	1,014.025	1,055.282	1,100.335	1,148.623	1,197.681	1,248.062	1,294.081
WEST VIRGINIA	158.209	163.379	168.382	173.510	178.883	184.545	190.447	196.373
VIRGINIA	469.719	510.963	530.819	571.100	596.964	626.833	659.229	684.251
INDIANA	480.411	493.492	506.813	521.801	538.216	555.571	574.849	592.618
MICHIGAN	948.274	1,001.650	1,026.401	1,044.797	1,066.268	1,092.419	1,123.959	1,152.098
WISCONSIN	475.649	491.389	499.208	511.797	520.139	533.449	559.658	583.328
ILLINOIS	580.031	597.447	615.808	634.884	653.843	673.492	694.719	715.325
KENTUCKY	264.838	279.803	294.799	310.765	328.179	347.280	367.793	385.994
TENNESSEE	680.329	701.677	723.499	745.783	770.983	798.633	828.781	857.615
NORTH CAROLINA	768.462	804.189	829.419	856.877	903.369	940.824	999.056	1,035.210
SOUTH CAROLINA	361.216	363.246	373.908	385.608	393.829	402.145	417.726	433.087
ALABAMA	440.958	453.170	495.833	535.212	543.425	550.774	569.711	574.594
GEORGIA	514.481	531.821	549.792	572.079	598.877	624.965	652.058	675.498
FLORIDA	876.656	928.650	1,007.360	1,046.467	1,119.742	1,169.225	1,257.535	1,308.894
MINNESOTA	359.582	376.184	392.933	411.235	430.467	450.438	470.043	487.970
IOWA	246.409	255.958	268.038	281.311	294.587	301.325	325.625	329.586
MISSOURI	308.380	322.094	336.152	350.837	367.220	385.708	404.643	421.941
ARKANSAS	72.343	77.718	83.288	89.365	95.778	102.647	109.896	116.733
LOUISIANA	69.469	78.618	92.709	100.953	109.865	119.715	130.588	141.080
MISSISSIPPI	120.236	124.280	128.182	132.347	136.640	141.053	145.610	149.776
OKLAHOMA	94.963	106.319	118.050	130.611	143.892	157.300	171.013	184.058
NORTH DAKOTA	95.840	98.694	101.451	104.439	107.820	111.324	114.818	117.924
SOUTH DAKOTA	83.783	86.731	91.644	92.595	103.163	105.013	107.366	108.543
MONTANA	112.727	115.986	119.363	123.547	127.950	132.619	138.236	140.958
WYOMING	37.688	39.400	40.893	42.576	44.065	45.671	47.087	48.294
IDAHO	169.317	171.371	175.214	177.335	183.414	189.707	192.466	192.431
WASHINGTON	794.594	806.573	820.706	841.945	861.933	878.763	897.605	921.771
OREGON	467.857	483.999	503.192	516.164	535.206	549.363	563.613	576.075
NEBRASKA	159.351	168.700	175.590	183.284	188.922	196.203	206.676	212.142
KANSAS	193.217	199.164	208.974	226.922	242.578	252.016	264.440	285.956
TEXAS	424.292	478.059	513.532	559.887	609.318	659.670	709.817	759.912
NEW MEXICO	57.896	61.833	65.568	69.725	74.385	78.898	83.308	87.256
COLORADO	179.640	188.347	215.826	232.892	257.711	289.937	315.903	326.696
UTAH	154.669	162.259	170.522	177.497	183.872	185.231	193.756	196.740
ARIZONA	73.908	77.319	104.514	115.513	129.502	139.157	148.617	181.327
NEVADA	54.989	58.387	63.128	74.387	83.721	87.847	91.071	92.585
CALIFORNIA	937.768	1,124.095	1,128.353	1,248.870	1,485.350	1,515.668	1,710.305	1,823.017
ALASKA	30.549	31.792	33.296	34.731	36.399	38.175	40.151	41.882
HAWAII	96.338	104.730	106.019	112.706	119.294	121.696	127.607	132.735

TABLE A-4 (CONTD)

STOCK OF ELECTRIC RANGES
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	162.863	166.242	170.297	175.983	177.189	185.889	187.394
NEW HAMPSHIRE	126.822	132.127	140.130	146.217	155.077	165.214	175.025
VERMONT	70.917	75.449	80.531	85.417	90.303	95.935	101.429
MASSACHUSETTS	648.097	722.675	746.513	779.516	822.386	843.120	861.095
CONNECTICUT	488.477	505.053	528.269	544.880	587.813	632.458	676.966
RHODE ISLAND	121.927	126.941	131.691	135.956	141.757	147.765	152.825
NEW YORK	1,179.416	1,223.233	1,265.260	1,307.626	1,356.500	1,408.926	1,455.258
PENNSYLVANIA	1,359.579	1,407.423	1,456.478	1,505.979	1,561.395	1,623.365	1,684.849
NEW JERSEY	444.042	470.974	486.349	511.091	552.127	557.676	575.431
DELAWARE	56.532	60.863	73.586	74.954	81.030	85.521	88.123
MARYLAND	331.467	341.666	352.133	363.384	377.355	394.287	409.619
DIST. OF COLUMBIA	26.264	27.216	28.493	29.768	30.735	30.704	31.768
OHIO	1,345.484	1,401.249	1,457.290	1,514.603	1,585.691	1,657.902	1,718.565
WEST VIRGINIA	202.322	208.832	215.937	223.971	232.520	242.247	251.919
VIRGINIA	711.142	740.987	770.254	796.869	837.723	885.978	930.920
INDIANA	611.311	632.208	654.749	675.641	702.924	731.514	759.941
MICHIGAN	1,184.462	1,218.468	1,252.292	1,283.265	1,325.228	1,368.172	1,408.349
WISCONSIN	608.797	636.192	663.531	690.144	721.514	755.758	789.597
ILLINOIS	738.664	765.194	790.179	812.433	841.792	871.021	897.376
KENTUCKY	405.935	427.586	450.090	474.514	504.625	536.872	564.824
TENNESSEE	890.705	927.776	964.428	999.692	1,050.692	1,111.886	1,169.356
NORTH CAROLINA	1,070.769	1,111.577	1,156.679	1,206.331	1,275.138	1,363.420	1,422.942
SOUTH CAROLINA	464.220	497.074	532.842	573.592	619.848	677.553	732.527
ALABAMA	586.762	600.243	614.385	630.238	651.890	677.342	699.710
GEORGIA	706.059	740.797	779.428	824.021	881.095	935.016	979.158
FLORIDA	1,350.380	1,425.058	1,576.071	1,659.251	1,847.591	2,057.281	2,279.275
MINNESOTA	510.228	537.203	564.465	588.943	617.046	648.561	673.822
IOWA	336.201	357.707	363.480	378.600	407.926	478.238	483.890
MISSOURI	440.474	461.577	484.002	505.975	532.400	560.864	586.566
ARKANSAS	124.028	131.815	139.835	148.261	158.459	169.415	180.194
LOUISIANA	152.170	164.437	178.009	191.333	208.562	227.672	246.057
MISSISSIPPI	200.249	218.147	237.904	253.969	260.662	273.914	283.544
OKLAHOMA	198.391	214.357	231.083	248.212	269.955	292.961	311.891
NORTH DAKOTA	121.379	125.139	129.375	133.384	138.378	144.162	149.331
SOUTH DAKOTA	112.696	113.198	116.579	120.162	124.098	129.431	133.904
MONTANA	143.724	145.654	149.021	157.741	162.336	167.634	178.993
WYOMING	49.620	50.987	52.519	54.339	56.270	58.876	61.550
IDAHO	192.569	193.247	194.425	197.443	201.846	208.118	212.921
WASHINGTON	962.653	1,009.533	1,043.824	1,068.755	1,098.210	1,126.953	1,156.224
OREGON	589.642	606.078	621.252	637.208	667.320	701.376	729.551
NEBRASKA	218.325	236.878	247.454	253.572	293.074	298.370	301.348
KANSAS	287.488	313.513	318.292	332.903	346.347	379.792	386.189
TEXAS	818.467	888.430	960.306	1,034.600	1,122.588	1,219.176	1,308.307
NEW MEXICO	91.257	95.853	100.215	106.067	114.716	125.666	135.380
COLORADO	340.260	355.921	372.426	411.378	463.852	514.212	540.507
UTAH	199.496	204.072	206.661	214.093	224.809	252.189	265.780
ARIZONA	185.465	194.672	209.136	236.026	282.366	307.681	348.155
NEVADA	93.992	97.113	101.343	107.563	116.839	129.141	139.373
CALIFORNIA	1,861.650	1,954.634	2,077.634	2,154.398	2,255.802	2,366.719	2,456.269
ALASKA	44.109	46.267	48.930	51.840	54.637	57.704	60.701
HAWAII	139.769	143.446	152.129	155.583	161.394	166.841	178.390

TABLE A-5

STOCK OF CONVENTIONAL WASHERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	144.937	144.803	130.015	124.270	118.604	113.001	100.744	86.461
NEW HAMPSHIRE	69.399	69.029	68.862	68.759	57.275	45.829	44.805	34.520
VERMONT	54.449	48.566	42.539	41.025	39.345	37.823	35.059	32.097
MASSACHUSETTS	356.077	329.310	274.376	223.316	200.513	179.111	167.543	153.809
CONNECTICUT	185.024	178.741	157.126	142.400	127.148	125.499	123.502	105.374
RHODE ISLAND	68.402	63.870	59.215	54.554	49.820	45.071	40.306	35.178
NEW YORK	931.515	875.583	821.045	765.731	705.806	641.146	576.508	509.199
PENNSYLVANIA	1,571.766	1,585.078	1,574.612	1,550.414	1,383.095	1,213.315	1,118.429	1,082.301
NEW JERSEY	500.410	427.725	334.854	312.301	296.225	281.789	246.664	193.097
DELAWARE	39.719	36.969	34.058	31.320	28.712	26.248	23.683	20.612
MARYLAND	274.631	232.764	202.524	169.466	133.036	121.168	120.639	119.442
DIST. OF COLUMBIA	50.469	47.149	43.811	40.714	38.013	35.342	32.539	29.221
OHIO	1,278.961	1,136.634	1,100.267	1,143.116	1,097.351	875.171	779.138	733.045
WEST VIRGINIA	323.887	316.062	298.993	290.795	269.031	247.847	229.276	216.716
VIRGINIA	430.980	411.883	392.679	375.505	357.484	338.736	318.978	293.660
INDIANA	615.080	611.017	606.895	524.820	520.395	516.242	453.296	413.272
MICHIGAN	978.472	967.480	952.946	923.185	895.899	638.671	608.650	576.713
WISCONSIN	670.804	658.718	627.508	548.451	495.655	447.538	426.520	415.299
ILLINOIS	1,262.553	1,153.969	1,039.792	858.792	848.727	833.361	813.469	786.172
KENTUCKY	484.709	481.217	476.511	474.077	453.770	426.240	415.219	399.333
TENNESSEE	448.160	436.944	340.257	330.616	321.645	312.966	291.762	256.986
NORTH CAROLINA	479.511	452.974	425.785	398.235	370.086	341.546	311.758	280.171
SOUTH CAROLINA	176.247	165.482	154.493	143.820	133.159	122.433	111.497	99.942
ALABAMA	309.010	309.458	288.879	268.858	246.588	223.155	219.885	165.621
GEORGIA	299.533	281.354	262.652	244.954	227.755	208.746	188.595	166.095
FLORIDA	296.433	283.841	268.594	252.205	235.061	216.940	196.684	174.011
MINNESOTA	562.283	538.511	496.977	400.516	393.531	385.412	331.486	321.881
IOWA	478.618	472.390	464.616	457.703	435.012	419.029	403.866	359.622
MISSOURI	633.975	608.963	567.640	527.614	490.228	413.996	394.468	359.765
ARKANSAS	214.854	175.881	136.062	137.052	138.270	132.912	120.442	107.072
LOUISIANA	262.516	257.296	251.631	210.827	171.708	157.038	142.493	139.074
MISSISSIPPI	188.870	179.018	168.921	159.090	149.263	139.369	129.374	118.852
OKLAHOMA	204.006	191.172	178.291	165.818	153.276	139.932	126.040	111.035
NORTH DAKOTA	115.821	109.778	103.600	97.622	91.926	86.216	80.377	74.183
SOUTH DAKOTA	121.890	116.008	110.185	104.447	98.717	92.760	86.778	80.344
MONTANA	78.941	74.331	69.632	64.708	59.731	54.702	49.607	44.207
WYOMING	36.690	34.641	32.331	30.113	27.703	25.323	22.803	20.176
IDAHO	72.654	65.086	51.738	39.177	37.829	36.492	33.248	29.987
WASHINGTON	233.205	210.202	188.668	169.456	153.705	124.724	115.737	95.706
OREGON	161.513	138.583	128.443	118.718	107.631	103.209	85.851	82.800
NEBRASKA	216.783	201.020	192.755	184.530	175.654	166.377	145.831	135.066
KANSAS	262.125	255.361	250.323	223.626	175.532	156.162	142.363	124.418
TEXAS	603.015	573.094	486.818	353.614	344.180	330.504	289.930	258.013
NEW MEXICO	71.141	68.128	64.660	61.384	58.263	54.738	50.907	46.628
COLORADO	164.928	156.801	148.574	125.220	128.787	101.551	91.275	80.923
UTAH	79.925	69.767	59.639	53.807	48.362	45.436	37.417	32.049
ARIZONA	90.745	89.146	86.025	82.858	79.264	74.269	70.116	57.352
NEVADA	13.395	12.945	12.633	12.433	12.232	12.032	10.605	8.904
CALIFORNIA	881.613	836.885	789.570	742.974	697.355	639.713	568.696	487.882
ALASKA	14.685	9.850	9.972	9.048	7.128	7.222	7.212	7.139
HAWAII	42.769	40.402	37.451	34.825	31.594	28.327	25.414	22.029

TABLE A-5 (CONTD)

STOCK OF CONVENTIONAL WASHERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	57.774	46.241	45.496	44.965	44.427	35.202	31.172
NEW HAMPSHIRE	23.114	17.424	17.540	14.121	13.650	12.936	12.245
VERMONT	29.929	17.211	17.895	14.809	14.406	13.884	12.307
MASSACHUSETTS	139.908	111.356	90.869	89.423	66.569	58.327	60.687
CONNECTICUT	64.589	60.500	55.252	56.344	56.573	57.792	58.285
RHODE ISLAND	29.927	24.631	19.152	13.495	7.820	5.074	1.930
NEW YORK	440.852	371.533	300.120	227.445	154.243	79.316	81.857
PENNSYLVANIA	985.912	883.944	735.788	731.916	731.539	729.362	729.926
NEW JERSEY	173.108	153.350	124.249	103.596	102.700	88.553	74.308
DELAWARE	17.562	14.336	10.755	6.998	5.220	3.150	3.125
MARYLAND	117.602	114.791	112.272	108.772	102.464	100.689	93.167
DIST. OF COLUMBIA	25.615	21.983	18.431	14.907	11.360	7.865	4.433
OHIO	641.622	611.612	582.462	552.801	529.289	486.746	439.347
WEST VIRGINIA	196.770	174.568	174.627	153.392	149.791	146.724	143.379
VIRGINIA	267.551	240.793	212.053	182.510	153.692	122.779	87.851
INDIANA	329.113	284.144	254.479	238.831	180.049	167.719	154.948
MICHIGAN	502.257	469.431	414.470	402.736	371.771	343.712	333.200
WISCONSIN	399.671	372.689	354.925	340.673	328.414	316.909	297.892
ILLINOIS	754.898	719.283	543.632	475.665	420.810	389.873	357.740
KENTUCKY	368.629	332.030	257.792	71.602	49.659	45.366	40.314
TENNESSEE	224.389	193.574	186.643	127.544	102.715	99.444	95.118
NORTH CAROLINA	248.276	215.234	180.349	143.225	104.089	61.650	14.327
SOUTH CAROLINA	89.009	77.355	65.047	52.090	38.175	23.163	6.170
ALABAMA	156.180	145.703	123.268	114.363	81.632	71.674	48.664
GEORGIA	143.973	120.928	96.505	70.519	42.715	11.655	11.787
FLORIDA	150.513	127.417	102.218	72.955	29.554	17.922	6.533
MINNESOTA	314.755	309.842	304.285	296.590	290.133	196.466	197.352
IOWA	330.457	259.305	213.355	188.067	184.626	165.270	143.446
MISSOURI	326.635	295.752	267.186	238.645	212.392	186.920	160.791
ARKANSAS	93.780	92.185	89.401	87.206	85.758	81.613	82.876
LOUISIANA	125.878	113.476	101.741	98.754	70.765	40.892	8.448
MISSISSIPPI	108.196	97.321	86.824	75.730	64.501	53.095	40.681
OKLAHOMA	96.224	81.403	65.960	49.754	33.329	15.645	15.939
NORTH DAKOTA	68.135	62.146	56.238	50.073	44.086	38.072	31.624
SOUTH DAKOTA	74.152	67.938	61.888	55.829	49.792	44.075	37.810
MONTANA	38.701	33.083	27.507	21.703	15.854	9.805	3.451
WYOMING	17.600	15.030	12.488	9.972	7.414	4.850	2.165
IDAHO	26.889	25.710	22.921	20.438	18.154	17.524	15.291
WASHINGTON	81.412	72.772	65.360	59.088	43.973	30.692	24.901
OREGON	62.184	60.533	49.116	41.245	23.534	8.239	7.222
NEBRASKA	125.237	93.519	82.257	81.312	65.025	50.184	36.656
KANSAS	121.276	93.319	88.858	78.700	67.497	62.987	58.502
TEXAS	239.343	236.593	231.984	183.637	138.266	123.791	117.206
NEW MEXICO	42.260	38.020	33.529	29.321	25.454	21.439	16.557
COLORADO	71.559	62.980	54.951	47.924	42.304	36.836	32.860
UTAH	28.504	27.283	26.095	23.444	21.147	19.169	18.403
ARIZONA	51.684	38.984	38.283	36.054	30.577	24.851	17.523
NEVADA	7.158	5.475	3.734	1.888	1.863	1.854	2.402
CALIFORNIA	406.098	325.374	242.276	155.508	121.975	96.509	69.231
ALASKA	7.130	7.088	7.100	6.871	6.591	6.311	5.992
HAWAII	18.065	14.269	10.250	5.744	4.224	2.788	1.088

TABLE A-6

STOCK OF AUTOMATIC WASHERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	95.357	96.633	110.006	123.708	137.787	152.257	154.621	170.095
NEW HAMPSHIRE	78.533	84.546	91.012	97.806	104.975	112.513	120.677	129.086
VERMONT	40.845	44.670	48.580	52.621	56.743	61.014	65.819	70.903
MASSACHUSETTS	772.926	865.944	958.217	972.349	995.826	1,022.415	1,046.073	1,065.223
CONNECTICUT	422.507	461.225	494.249	510.660	548.490	569.942	591.476	611.398
RHODE ISLAND	102.050	113.593	124.172	130.317	136.761	143.741	151.437	158.577
NEW YORK	2,148.047	2,240.731	2,343.574	2,452.769	2,556.098	2,649.574	2,750.464	2,846.879
PENNSYLVANIA	1,308.390	1,411.539	1,507.547	1,534.526	1,686.635	1,912.336	1,987.626	2,109.996
NEW JERSEY	918.287	954.548	1,013.011	1,063.979	1,158.607	1,206.448	1,292.705	1,297.568
DELAWARE	67.985	72.088	73.237	74.363	80.538	85.711	93.620	100.144
MARYLAND	386.469	499.408	526.416	555.925	590.485	620.548	654.772	681.568
DIST. OF COLUMBIA	53.243	59.194	62.920	70.419	73.913	80.202	88.772	89.759
OHIO	1,142.296	1,317.269	1,373.200	1,434.668	1,562.628	1,689.094	1,768.776	1,843.178
WEST VIRGINIA	143.247	167.391	191.402	215.059	239.822	262.835	268.078	279.164
VIRGINIA	384.979	414.876	447.069	484.746	525.397	569.737	620.975	666.986
INDIANA	487.640	502.662	528.983	621.176	666.743	735.313	774.053	811.605
MICHIGAN	941.696	1,053.798	1,110.776	1,171.971	1,238.604	1,312.988	1,393.825	1,473.089
WISCONSIN	332.153	354.460	374.671	428.833	496.808	520.574	568.944	597.265
ILLINOIS	969.666	1,049.465	1,131.976	1,216.928	1,302.760	1,391.062	1,483.814	1,576.438
KENTUCKY	211.731	236.597	261.716	287.933	315.790	345.639	377.320	406.986
TENNESSEE	319.221	338.613	358.495	402.860	451.799	486.772	550.092	590.580
NORTH CAROLINA	410.665	443.444	478.237	520.102	590.805	618.917	753.835	804.455
SOUTH CAROLINA	209.083	216.553	249.064	303.624	334.940	368.194	381.943	395.587
ALABAMA	319.407	326.628	334.396	382.824	413.879	457.947	485.374	516.783
GEORGIA	410.461	422.862	423.493	557.124	568.879	618.500	671.721	720.920
FLORIDA	681.552	728.640	790.955	819.951	976.436	1,008.267	1,064.589	1,118.349
MINNESOTA	283.392	314.083	345.252	378.176	412.407	447.820	483.315	517.424
IOWA	241.304	267.643	293.937	320.562	347.506	375.639	405.644	434.275
MISSOURI	421.903	441.511	461.329	504.144	539.380	603.124	657.845	738.646
ARKANSAS	160.751	174.850	189.897	206.636	224.721	244.482	265.789	286.751
LOUISIANA	414.620	441.662	468.781	497.961	528.955	562.906	600.004	633.730
MISSISSIPPI	171.370	185.884	200.952	217.245	234.626	253.150	272.935	293.156
OKLAHOMA	275.156	295.613	316.872	340.075	364.826	389.584	414.825	438.238
NORTH DAKOTA	35.251	40.729	46.179	51.752	57.558	63.487	69.465	75.248
SOUTH DAKOTA	43.479	45.407	61.911	64.533	80.540	82.634	88.320	95.876
MONTANA	83.829	89.737	95.800	101.824	108.051	114.529	121.298	127.761
WYOMING	42.695	46.169	49.414	52.914	56.194	59.642	62.857	65.793
IDAHO	96.049	102.618	112.589	122.733	127.185	128.986	133.804	138.508
WASHINGTON	496.309	510.480	525.606	542.527	559.150	578.238	646.638	688.309
OREGON	296.383	318.030	332.135	347.365	365.127	384.284	404.101	427.562
NEBRASKA	148.774	160.136	175.547	190.401	205.914	218.832	240.675	258.887
KANSAS	289.947	302.625	317.638	312.999	349.109	374.814	398.186	417.445
TEXAS	1,239.586	1,307.701	1,381.089	1,465.670	1,553.938	1,640.269	1,722.089	1,800.085
NEW MEXICO	106.276	113.451	120.253	127.829	136.325	144.549	152.584	159.771
COLORADO	246.179	259.843	281.116	312.895	329.163	363.374	388.679	405.868
UTAH	123.749	132.972	142.887	153.840	168.816	174.875	186.229	196.631
ARIZONA	172.024	187.151	206.596	230.607	273.406	285.822	293.739	300.756
NEVADA	47.593	51.401	56.501	67.655	77.341	82.393	86.687	89.402
CALIFORNIA	2,602.103	2,747.591	2,903.063	3,084.601	3,302.648	3,500.679	3,656.022	3,767.287
ALASKA	20.352	22.359	24.615	26.889	29.414	32.107	35.055	37.871
HAWAII	81.503	86.801	91.335	97.242	102.113	107.468	115.303	122.613

TABLE A-6 (CONTD)

STOCK OF AUTOMATIC WASHERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	172.903	194.079	196.935	218.329	228.221	237.533	245.363
NEW HAMPSHIRE	138.273	148.040	158.578	169.661	182.428	196.921	211.253
VERMONT	76.570	82.417	88.914	95.245	101.618	108.877	116.025
MASSACHUSETTS	1,085.744	1,110.886	1,219.238	1,241.920	1,279.385	1,296.510	1,308.622
CONNECTICUT	631.924	655.391	679.111	701.082	725.038	749.646	772.760
RHODE ISLAND	165.932	174.037	182.168	190.020	200.447	211.648	221.986
NEW YORK	2,946.186	3,050.047	3,149.341	3,249.393	3,365.510	3,490.298	3,599.872
PENNSYLVANIA	2,178.952	2,249.547	2,322.178	2,395.632	2,478.604	2,572.068	2,664.857
NEW JERSEY	1,371.992	1,421.044	1,469.367	1,533.302	1,569.591	1,617.191	1,656.786
DELAWARE	107.930	116.433	124.181	132.610	141.567	152.888	164.062
MARYLAND	697.949	711.781	747.393	779.799	812.815	846.500	870.455
DIST. OF COLUMBIA	89.881	90.835	94.035	95.108	95.763	99.573	102.314
OHIO	1,926.166	2,016.398	2,094.671	2,216.358	2,332.254	2,428.504	2,496.155
WEST VIRGINIA	290.118	289.880	296.230	297.723	329.599	333.031	366.565
VIRGINIA	716.343	770.339	825.457	886.503	966.295	1,058.433	1,150.606
INDIANA	851.256	894.881	941.825	987.388	1,043.393	1,102.613	1,162.891
MICHIGAN	1,560.453	1,652.924	1,737.059	1,833.826	1,964.489	2,075.248	2,178.771
WISCONSIN	607.314	726.837	773.082	789.959	834.668	883.633	933.098
ILLINOIS	1,676.361	1,785.116	1,891.883	1,993.391	2,113.800	2,235.680	2,351.729
KENTUCKY	438.790	472.804	508.148	546.072	591.075	639.220	682.801
TENNESSEE	635.577	685.197	736.385	788.345	850.526	923.196	995.136
NORTH CAROLINA	867.148	917.964	973.714	1,042.258	1,110.900	1,189.087	1,417.603
SOUTH CAROLINA	414.702	434.964	457.374	483.598	513.925	553.065	589.282
ALABAMA	573.935	597.316	662.924	741.304	773.232	808.561	864.988
GEORGIA	777.425	838.441	903.814	932.510	972.996	1,007.479	1,029.312
FLORIDA	1,179.385	1,264.667	1,364.273	1,441.533	1,557.414	1,746.287	1,978.635
MINNESOTA	556.520	601.385	647.289	690.596	738.728	791.640	837.506
IOWA	465.165	496.379	527.722	560.054	594.548	629.314	663.072
MISSOURI	783.604	833.905	885.755	937.470	998.183	1,063.577	1,124.543
ARKANSAS	309.493	332.238	365.038	388.827	445.082	492.486	518.533
LOUISIANA	668.607	707.052	749.375	788.937	842.683	901.759	955.731
MISSISSIPPI	314.721	337.621	364.625	392.891	425.405	462.479	515.980
OKLAHOMA	464.520	494.359	525.649	557.559	599.452	643.676	678.593
NORTH DAKOTA	81.288	87.585	94.287	100.897	108.343	116.536	124.360
SOUTH DAKOTA	97.278	98.716	100.499	102.441	110.245	119.485	124.902
MONTANA	134.342	141.023	148.633	156.063	164.750	174.323	183.204
WYOMING	68.894	72.053	75.454	79.286	83.307	88.365	93.579
IDAHO	143.478	149.015	155.134	161.095	170.378	179.624	190.086
WASHINGTON	743.227	795.697	839.635	877.087	919.221	961.795	1,005.859
OREGON	452.693	480.993	509.313	539.297	582.701	631.499	676.928
NEBRASKA	279.415	308.838	313.446	334.955	373.521	397.265	425.403
KANSAS	431.921	475.826	493.391	509.044	527.985	549.502	569.062
TEXAS	1,894.235	2,010.123	2,125.324	2,240.987	2,381.007	2,533.328	2,664.520
NEW MEXICO	167.054	175.426	183.368	194.035	209.816	229.801	247.523
COLORADO	438.242	453.572	483.461	526.719	578.675	673.991	737.115
UTAH	208.144	213.939	220.498	229.629	242.434	260.099	274.479
ARIZONA	309.204	321.940	342.388	365.750	406.292	453.218	493.753
NEVADA	92.039	96.399	101.942	109.609	120.574	134.922	147.373
CALIFORNIA	3,884.892	4,038.472	4,209.617	4,389.123	4,619.690	4,870.858	5,078.949
ALASKA	41.221	44.601	48.573	52.910	57.252	61.996	66.786
HAWAII	127.989	136.316	146.215	154.109	163.278	174.829	188.596

TABLE A-7

STOCK OF ELECTRIC DRYERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	31.936	40.908	48.885	56.726	64.959	72.945	78.331	85.732
NEW HAMPSHIRE	21.532	30.989	30.969	33.364	33.415	38.561	48.073	60.319
VERMONT	13.900	16.214	18.718	21.092	26.101	27.520	29.165	36.065
MASSACHUSETTS	140.249	172.623	197.396	236.252	280.652	319.483	364.550	425.353
CONNECTICUT	106.718	127.018	128.638	147.564	168.177	190.339	222.638	257.331
RHODE ISLAND	21.322	24.263	32.547	35.700	38.956	42.390	46.064	48.124
NEW YORK	451.639	520.278	597.153	669.075	783.590	819.607	922.383	986.631
PENNSYLVANIA	496.606	564.946	627.679	687.830	736.713	830.560	904.528	1,028.075
NEW JERSEY	159.610	181.453	210.920	241.727	321.920	349.618	377.706	404.582
DELAWARE	22.364	23.974	25.546	28.701	39.738	41.561	43.598	49.350
MARYLAND	92.271	108.309	131.042	142.500	178.972	211.149	246.982	298.143
DIST. OF COLUMBIA	8.958	12.730	16.611	20.537	21.539	22.660	23.819	26.681
OHIO	665.050	721.403	785.948	812.290	839.221	927.230	1,025.763	1,165.658
WEST VIRGINIA	94.265	107.636	121.406	142.339	158.285	160.089	169.100	183.496
VIRGINIA	95.805	134.433	152.662	177.387	185.053	219.226	263.471	276.737
INDIANA	280.534	306.634	330.268	355.955	383.679	413.214	445.416	477.699
MICHIGAN	428.451	570.920	609.481	649.926	692.780	739.360	761.202	780.714
WISCONSIN	233.609	257.523	291.429	307.793	332.083	336.673	389.488	421.322
ILLINOIS	301.422	338.681	377.061	416.506	456.489	497.562	540.465	583.551
KENTUCKY	75.004	91.703	93.979	111.210	131.021	144.804	156.549	169.633
TENNESSEE	110.910	125.394	140.121	153.621	168.446	184.605	202.211	299.919
NORTH CAROLINA	50.209	58.589	71.523	74.239	109.023	121.170	176.717	189.775
SOUTH CAROLINA	24.252	25.508	26.784	28.187	30.953	48.370	67.646	88.685
ALABAMA	52.174	61.426	70.934	89.194	114.131	129.892	188.112	190.470
GEORGIA	61.297	73.990	75.209	93.548	121.374	143.520	220.164	250.836
FLORIDA	109.328	123.499	157.450	170.478	224.140	248.037	285.848	344.795
MINNESOTA	158.261	179.915	201.929	225.060	249.067	273.888	298.850	323.022
IOWA	137.435	185.869	231.057	282.391	288.319	297.754	307.047	313.113
MISSOURI	125.327	132.819	140.399	157.447	166.425	186.677	208.263	230.067
ARKANSAS	20.509	27.360	34.966	41.328	48.677	56.565	67.725	93.416
LOUISIANA	53.955	61.545	82.179	111.258	136.485	146.643	164.877	182.789
MISSISSIPPI	21.444	27.154	33.532	40.712	48.712	57.581	84.686	99.786
OKLAHOMA	43.451	53.461	72.699	101.579	142.697	165.891	188.440	200.457
NORTH DAKOTA	52.072	56.444	60.769	65.242	69.986	74.846	79.735	84.378
SOUTH DAKOTA	43.049	50.377	52.825	56.151	77.120	79.518	81.734	83.764
MONTANA	55.667	56.849	78.830	84.072	89.121	106.261	109.634	111.754
WYOMING	19.898	22.924	25.861	28.952	31.943	35.042	38.017	40.825
IDAHO	58.724	63.970	68.488	73.296	79.573	87.622	94.963	102.282
WASHINGTON	343.282	408.641	419.275	447.215	460.465	486.296	524.697	569.230
OREGON	215.669	249.088	272.811	279.578	292.977	322.680	346.060	369.331
NEBRASKA	77.713	82.474	91.957	102.634	111.342	117.909	135.516	154.463
KANSAS	91.835	94.783	112.046	129.013	161.806	181.960	200.957	219.194
TEXAS	173.392	238.938	269.123	292.388	338.511	410.316	458.511	516.567
NEW MEXICO	22.637	24.950	27.248	29.787	33.121	37.233	44.147	49.898
COLORADO	62.681	82.387	93.239	103.642	118.490	134.458	155.622	166.670
UTAH	45.678	52.118	56.161	70.083	73.860	76.993	96.139	103.038
ARIZONA	15.730	20.806	24.074	27.189	33.477	35.781	47.747	64.215
NEVADA	9.510	12.093	15.204	20.393	25.704	29.823	33.837	37.330
CALIFORNIA	511.083	583.602	663.737	755.976	864.410	995.643	1,139.995	1,314.884
ALASKA	13.303	15.232	17.363	19.539	21.931	24.481	27.263	29.974
HAWAII	11.190	13.002	14.198	17.008	20.414	22.937	25.295	32.801

TABLE A-7 (CONTD)

STOCK OF ELECTRIC DRYERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	98.579	105.239	107.822	108.941	110.202	115.950	126.164
NEW HAMPSHIRE	72.865	73.410	86.431	92.190	108.741	124.576	126.332
VERMONT	41.665	46.570	53.338	60.418	64.466	69.120	73.752
MASSACHUSETTS	431.913	440.058	485.169	513.773	566.572	567.768	596.818
CONNECTICUT	273.433	315.238	361.394	392.545	427.034	497.823	568.788
RHODE ISLAND	62.012	78.711	84.705	97.202	111.916	130.440	145.385
NEW YORK	1,054.101	1,125.502	1,197.522	1,272.091	1,355.400	1,444.931	1,530.820
PENNSYLVANIA	1,090.925	1,156.146	1,223.989	1,293.860	1,370.575	1,455.030	1,541.139
NEW JERSEY	432.056	460.156	488.807	518.925	548.606	621.407	689.499
DELAWARE	54.312	61.303	66.448	72.054	78.053	81.748	85.193
MARYLAND	313.329	329.080	345.437	366.222	429.998	461.105	533.656
DIST. OF COLUMBIA	29.346	31.968	34.684	37.438	40.064	42.713	45.535
OHIO	1,232.055	1,340.230	1,392.773	1,438.727	1,497.610	1,557.351	1,606.126
WEST VIRGINIA	197.386	224.957	228.631	244.354	257.501	318.692	346.428
VIRGINIA	313.682	389.555	418.387	497.983	556.425	663.182	777.305
INDIANA	508.102	541.293	576.944	612.190	654.394	699.168	771.504
MICHIGAN	803.061	826.491	850.135	871.217	936.342	984.537	1,027.893
WISCONSIN	466.112	482.263	537.061	558.762	669.997	710.324	772.148
ILLINOIS	629.577	679.208	728.366	775.721	830.676	886.502	940.264
KENTUCKY	202.006	251.243	274.603	298.545	327.102	358.230	387.636
TENNESSEE	355.801	384.227	468.933	510.270	576.660	623.117	668.623
NORTH CAROLINA	245.737	293.303	367.450	430.338	601.947	661.323	765.693
SOUTH CAROLINA	113.017	140.083	170.469	205.251	217.240	254.663	277.851
ALABAMA	236.141	285.048	310.068	360.735	398.749	433.743	479.101
GEORGIA	285.965	349.976	420.755	500.345	547.153	610.718	671.043
FLORIDA	410.512	490.448	586.434	653.202	810.913	1,075.833	1,282.361
MINNESOTA	350.383	381.491	413.387	443.731	477.273	514.021	546.291
IOWA	320.691	322.204	322.365	336.543	349.258	359.273	387.321
MISSOURI	265.645	305.097	386.946	404.667	425.735	463.665	484.390
ARKANSAS	113.075	131.026	152.564	176.331	204.219	248.824	297.916
LOUISIANA	201.956	223.186	246.726	270.458	300.307	333.574	377.179
MISSISSIPPI	116.411	134.627	155.682	222.231	298.665	375.562	420.283
OKLAHOMA	213.972	229.332	245.589	262.369	312.047	367.190	420.924
NORTH DAKOTA	89.294	94.468	100.046	105.497	111.783	118.791	125.372
SOUTH DAKOTA	85.848	93.705	94.092	99.945	101.230	118.794	125.032
MONTANA	113.588	115.333	117.744	124.737	133.003	141.799	158.625
WYOMING	43.734	46.683	49.796	53.205	56.759	61.048	65.480
IDAHO	108.503	115.286	122.669	129.805	138.163	148.210	157.645
WASHINGTON	606.359	659.486	724.899	733.023	794.302	824.796	853.786
OREGON	394.298	411.375	440.059	477.742	513.880	563.138	636.217
NEBRASKA	174.698	195.910	217.489	239.162	264.357	290.441	315.035
KANSAS	231.542	246.842	263.000	293.471	323.846	362.185	393.686
TEXAS	617.692	777.208	893.150	1,015.845	1,090.343	1,226.078	1,291.662
NEW MEXICO	65.651	71.040	82.679	87.678	105.305	119.763	129.803
COLORADO	199.104	231.250	262.353	311.232	365.053	395.502	422.323
UTAH	109.409	116.146	121.865	129.151	138.706	151.329	162.338
ARIZONA	77.170	93.883	107.224	127.701	167.465	215.532	286.905
NEVADA	40.837	45.192	50.252	56.578	64.936	75.572	85.611
CALIFORNIA	1,431.183	1,608.666	1,719.232	1,835.697	1,976.513	2,129.739	2,267.428
ALASKA	33.140	36.367	40.114	44.205	48.341	52.856	57.449
HAWAII	39.999	47.788	56.480	63.343	69.272	76.484	84.998

TABLE A-8

STOCK OF DISHWASHERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	0.000	0.000	0.000	3.559	6.228	9.660	13.901	18.952
NEW HAMPSHIRE	0.000	0.955	1.942	2.967	5.045	6.324	10.183	15.038
VERMONT	0.000	0.146	0.589	1.340	2.410	3.812	5.595	8.896
MASSACHUSETTS	0.000	11.418	24.996	41.189	58.807	86.190	134.818	180.425
CONNECTICUT	0.000	9.122	20.434	28.516	43.270	59.752	78.714	118.728
RHODE ISLAND	0.000	1.489	3.224	5.220	7.681	15.040	19.612	24.624
NEW YORK	0.000	98.569	200.228	305.508	412.906	520.780	631.927	743.823
PENNSYLVANIA	0.000	19.729	43.712	74.472	101.695	170.224	221.575	302.243
NEW JERSEY	0.000	15.115	34.696	59.618	90.315	127.776	164.058	227.239
DELAWARE	0.000	1.948	3.925	5.971	8.135	10.909	13.570	20.775
MARYLAND	0.000	9.934	24.119	35.347	44.967	91.055	120.894	164.234
DIST. OF COLUMBIA	0.000	1.247	2.684	6.357	9.432	13.070	17.269	21.772
OHIO	0.000	18.266	43.047	66.752	118.466	157.221	217.123	285.314
WEST VIRGINIA	0.000	1.007	2.421	4.247	6.494	9.805	13.822	18.546
VIRGINIA	0.000	7.878	16.081	28.124	43.174	61.572	83.684	108.333
INDIANA	0.000	9.889	20.870	33.064	46.583	61.494	78.023	95.787
MICHIGAN	0.000	14.713	35.216	51.521	87.522	142.862	205.159	263.507
WISCONSIN	0.000	6.509	14.808	23.086	32.910	49.950	73.448	96.829
ILLINOIS	0.000	9.464	22.598	39.546	60.387	85.303	146.643	223.762
KENTUCKY	0.000	2.987	5.412	10.969	13.677	23.612	50.472	65.828
TENNESSEE	0.000	10.599	22.289	35.110	49.257	64.861	82.076	103.201
NORTH CAROLINA	0.000	6.288	14.283	26.394	45.769	56.842	72.642	86.614
SOUTH CAROLINA	0.000	2.706	5.463	9.131	12.823	18.589	23.940	34.705
ALABAMA	0.000	12.553	25.408	38.669	52.493	66.687	81.369	96.273
GEORGIA	0.000	4.185	7.536	20.995	29.922	45.070	63.742	85.595
FLORIDA	0.000	10.318	22.128	37.494	59.718	87.754	121.742	161.608
MINNESOTA	0.000	5.868	13.329	23.625	36.508	52.101	70.373	91.096
IOWA	0.000	3.323	7.007	12.270	20.771	23.196	35.472	47.102
MISSOURI	0.000	10.889	24.389	40.586	57.255	75.884	96.321	118.021
ARKANSAS	0.000	2.545	5.600	8.729	12.769	16.756	21.120	25.713
LOUISIANA	0.000	5.905	12.298	30.459	47.127	61.592	82.421	107.485
MISSISSIPPI	0.000	1.868	3.762	5.848	9.886	16.350	32.025	41.487
OKLAHOMA	0.000	4.148	11.032	20.837	33.760	49.833	69.209	91.521
NORTH DAKOTA	0.000	2.372	4.749	7.145	9.590	12.075	14.589	17.075
SOUTH DAKOTA	0.000	0.544	1.440	2.501	4.087	5.291	7.670	10.603
MONTANA	0.000	3.397	7.171	11.315	15.859	20.832	26.265	33.254
WYOMING	0.000	2.144	4.315	6.541	8.767	11.043	13.292	15.486
IDAHO	0.000	1.386	2.797	4.239	5.710	7.220	11.714	20.703
WASHINGTON	0.000	19.588	40.954	65.624	95.121	128.198	165.575	214.017
OREGON	0.000	8.428	20.033	36.680	46.332	58.894	85.313	125.181
NEBRASKA	0.000	1.774	4.044	7.009	10.605	14.246	17.983	30.128
KANSAS	0.000	8.879	17.757	26.170	40.915	54.390	72.380	86.339
TEXAS	0.000	29.183	65.888	106.073	151.514	219.771	286.271	381.299
NEW MEXICO	0.000	0.873	2.537	7.527	10.863	11.734	15.288	22.312
COLORADO	0.000	6.632	14.927	27.895	39.250	59.739	78.926	104.836
UTAH	0.000	2.302	5.218	9.431	14.603	20.724	28.141	34.730
ARIZONA	0.000	2.862	6.541	11.900	18.217	28.265	39.524	60.064
NEVADA	0.000	2.547	5.472	9.610	14.330	18.677	23.090	27.216
CALIFORNIA	0.000	68.886	141.475	257.689	440.174	590.526	831.374	1,013.374
ALASKA	0.000	0.495	1.022	1.750	2.651	3.737	5.039	6.512
HAWAII	0.000	1.247	2.783	4.855	7.339	10.324	14.103	18.448

TABLE A-8 (CONTD)

STOCK OF DISHWASHERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	24.858	31.726	39.700	48.971	59.464	71.420	84.278
NEW HAMPSHIRE	21.027	28.227	38.188	53.279	71.581	93.603	118.815
VERMONT	12.699	16.902	23.212	29.075	36.215	41.607	46.578
MASSACHUSETTS	204.710	270.635	344.211	427.270	508.403	633.080	753.955
CONNECTICUT	143.305	191.846	237.079	300.018	354.808	461.323	570.322
RHODE ISLAND	30.172	36.100	44.753	54.998	67.582	76.135	89.218
NEW YORK	858.070	975.338	1,092.723	1,211.739	1,338.439	1,470.764	1,598.570
PENNSYLVANIA	392.002	495.175	618.385	771.498	913.464	1,015.705	1,168.131
NEW JERSEY	298.615	422.428	488.689	600.095	703.827	887.002	1,048.320
DELAWARE	24.578	33.331	40.714	46.093	65.642	76.404	87.897
MARYLAND	192.052	252.162	322.054	390.093	509.611	572.197	772.770
DIST. OF COLUMBIA	26.507	31.563	37.065	42.962	49.047	55.480	62.460
OHIO	370.078	471.340	621.120	733.371	884.901	1,056.520	1,173.666
WEST VIRGINIA	25.221	33.029	50.534	58.840	67.920	78.041	85.528
VIRGINIA	139.239	233.593	265.517	318.588	362.584	412.275	503.840
INDIANA	115.150	167.982	217.688	258.759	323.573	378.619	543.062
MICHIGAN	344.845	396.224	478.595	629.924	787.351	964.498	1,143.313
WISCONSIN	122.383	153.015	211.010	254.098	347.903	457.747	582.796
ILLINOIS	318.337	432.113	485.772	538.423	596.585	655.702	713.485
KENTUCKY	78.397	91.678	105.885	121.336	152.206	223.047	256.626
TENNESSEE	127.233	154.484	184.474	227.415	281.448	352.295	416.996
NORTH CAROLINA	108.452	133.640	173.381	218.933	271.964	355.806	501.238
SOUTH CAROLINA	50.892	69.599	85.895	95.096	116.416	140.965	163.639
ALABAMA	111.851	128.161	145.138	163.098	183.305	205.536	227.801
GEORGIA	112.147	162.893	262.522	300.692	359.853	489.283	543.837
FLORIDA	209.123	281.829	424.413	513.425	747.163	996.419	1,349.876
MINNESOTA	129.992	180.837	209.426	244.148	345.285	383.563	504.288
IOWA	73.456	102.795	129.206	143.933	190.974	204.072	238.190
MISSOURI	141.679	167.913	229.725	285.675	367.585	424.806	503.981
ARKANSAS	30.711	36.157	83.418	100.343	127.818	151.301	167.484
LOUISIANA	133.297	156.827	187.738	221.570	266.727	319.582	353.736
MISSISSIPPI	52.308	64.555	78.897	94.921	113.484	135.590	160.448
OKLAHOMA	117.769	148.595	183.830	223.420	271.765	326.652	382.003
NORTH DAKOTA	19.630	22.262	25.018	27.769	30.774	34.023	37.196
SOUTH DAKOTA	14.054	18.006	22.534	27.640	33.391	40.161	47.341
MONTANA	41.044	46.307	52.111	76.371	90.587	100.384	134.008
WYOMING	17.717	19.968	22.295	24.769	27.329	30.273	33.324
IDAHO	27.906	40.923	51.359	75.368	91.481	110.659	131.462
WASHINGTON	262.181	307.156	383.408	471.573	543.960	622.220	692.207
OREGON	164.190	195.708	232.187	249.345	337.055	383.213	427.065
NEBRASKA	45.258	63.524	84.883	109.288	138.556	171.844	207.766
KANSAS	102.272	119.714	136.372	165.129	195.581	228.807	355.568
TEXAS	494.853	631.591	835.800	1,017.335	1,238.785	1,480.970	1,635.184
NEW MEXICO	40.210	47.863	60.084	67.765	77.533	92.177	109.696
COLORADO	135.620	173.234	211.798	247.054	291.832	340.058	389.314
UTAH	46.272	58.228	65.792	77.985	92.748	111.108	129.928
ARIZONA	77.035	96.200	115.667	138.285	173.784	256.598	344.033
NEVADA	31.381	36.252	41.779	48.481	57.103	67.966	78.523
CALIFORNIA	1,289.646	1,568.997	1,826.909	2,222.473	2,711.340	3,245.229	3,655.211
ALASKA	8.283	12.667	18.194	21.664	25.426	29.667	33.878
HAWAII	23.079	28.869	35.780	42.996	51.357	61.408	73.371

TABLE A-9

STOCK OF ELECTRIC WATER HEATERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	85.168	87.126	88.977	90.866	92.816	94.823	97.102	99.409
NEW HAMPSHIRE	41.579	46.807	47.581	48.431	49.370	54.183	56.253	58.009
VERMONT	28.203	28.674	31.589	34.628	37.761	38.470	48.938	52.442
MASSACHUSETTS	147.970	150.565	153.567	162.408	198.428	214.111	226.927	238.966
CONNECTICUT	139.422	145.842	151.436	153.043	164.344	171.268	178.207	182.752
RHODE ISLAND	20.359	20.881	21.401	20.991	23.953	28.097	32.405	35.110
NEW YORK	410.512	421.249	433.708	447.126	459.272	469.501	480.916	491.423
PENNSYLVANIA	590.347	608.306	626.152	645.562	664.705	685.258	707.583	729.514
NEW JERSEY	165.043	178.368	184.068	193.269	193.343	194.379	202.793	210.049
DELAWARE	27.088	27.748	29.447	31.387	33.486	36.253	37.238	38.365
MARYLAND	118.099	120.910	125.240	131.877	146.817	147.351	155.556	162.667
DIST. OF COLUMBIA	5.267	6.278	7.284	8.337	9.506	10.751	12.037	13.193
OHIO	543.577	547.450	551.475	552.724	556.994	624.463	632.207	637.271
WEST VIRGINIA	77.599	83.550	89.283	97.794	99.668	101.511	104.481	129.790
VIRGINIA	346.165	366.569	388.463	414.515	432.657	452.483	474.022	510.057
INDIANA	428.872	420.574	435.991	452.245	455.359	474.367	503.016	512.945
MICHIGAN	554.763	564.615	573.758	584.167	596.294	611.039	628.799	644.657
WISCONSIN	432.069	437.950	442.622	447.376	453.630	461.690	470.618	477.102
ILLINOIS	392.569	397.190	402.291	407.701	412.877	418.336	424.606	430.327
KENTUCKY	166.353	177.240	188.174	199.754	212.299	225.978	240.624	253.800
TENNESSEE	510.291	536.101	562.546	589.621	619.303	651.307	685.744	719.487
NORTH CAROLINA	670.178	709.303	733.569	752.256	845.961	883.539	919.375	955.632
SOUTH CAROLINA	314.040	318.602	379.642	451.170	458.463	466.276	474.388	481.217
ALABAMA	251.016	264.474	278.526	306.559	336.450	366.627	379.045	396.018
GEORGIA	344.863	356.416	375.031	396.078	424.913	440.925	455.865	478.220
FLORIDA	967.006	1,018.548	1,094.500	1,135.656	1,196.794	1,284.395	1,337.878	1,379.783
MINNESOTA	303.862	311.427	318.982	327.655	336.902	346.554	355.762	363.573
IOWA	245.627	245.876	245.879	245.983	246.155	246.951	248.661	249.245
MISSOURI	178.653	181.885	185.126	188.526	192.636	197.614	202.570	206.484
ARKANSAS	26.169	29.281	32.491	35.927	39.531	43.360	47.388	51.273
LOUISIANA	21.934	22.988	24.694	27.240	43.898	49.446	55.578	61.700
MISSISSIPPI	57.752	67.450	77.260	87.443	97.964	108.854	120.171	131.547
OKLAHOMA	16.735	18.599	19.389	34.929	46.403	68.428	70.846	72.595
NORTH DAKOTA	75.260	76.987	78.636	80.463	82.587	84.800	86.998	88.897
SOUTH DAKOTA	77.832	79.568	81.385	83.321	85.338	87.230	89.166	90.672
MONTANA	60.393	61.037	61.710	62.288	62.925	63.641	64.446	65.024
WYOMING	14.046	14.238	14.344	14.508	14.601	14.726	14.787	14.781
IDAHO	168.140	171.774	172.741	176.068	179.418	179.909	180.745	181.955
WASHINGTON	777.771	786.216	796.697	813.979	829.933	842.746	857.397	877.013
OREGON	458.054	471.036	480.509	490.972	504.384	516.401	534.580	544.215
NEBRASKA	96.536	97.062	97.625	98.312	98.756	99.062	99.570	99.490
KANSAS	51.768	52.774	53.762	55.526	56.478	57.163	59.317	61.130
TEXAS	109.778	118.044	125.581	188.196	204.943	221.948	238.830	255.636
NEW MEXICO	27.322	27.598	27.736	28.007	28.422	28.723	28.940	28.962
COLORADO	66.349	67.665	69.602	71.204	72.515	73.728	74.821	75.554
UTAH	63.475	63.289	63.182	63.107	62.937	62.047	60.907	59.413
ARIZONA	33.470	39.067	42.725	46.677	51.172	55.143	58.442	61.634
NEVADA	49.643	52.495	56.528	66.343	74.371	77.729	80.266	81.284
CALIFORNIA	347.521	369.984	393.972	421.703	454.677	485.147	509.881	528.562
ALASKA	16.529	17.238	18.092	18.909	19.856	20.864	21.984	22.972
HAWAII	87.198	89.271	90.812	101.097	108.018	111.365	117.086	124.813

TABLE A-9 (CONTD)

STOCK OF ELECTRIC WATER HEATERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	101.858	104.677	108.024	112.039	116.233	120.887	124.944
NEW HAMPSHIRE	62.230	66.712	71.542	76.619	82.456	90.664	98.916
VERMONT	56.392	60.440	65.069	70.819	77.906	85.849	93.890
MASSACHUSETTS	245.209	247.757	281.532	311.786	331.871	340.217	346.521
CONNECTICUT	191.522	198.813	227.703	230.659	242.563	246.854	250.487
RHODE ISLAND	37.921	39.573	41.290	42.936	47.058	52.544	54.745
NEW YORK	502.316	513.865	524.533	535.231	548.455	562.938	574.834
PENNSYLVANIA	753.507	777.986	803.085	828.381	856.876	888.903	920.594
NEW JERSEY	211.297	233.379	243.050	251.787	274.831	299.738	324.104
DELAWARE	39.873	41.525	41.735	41.571	41.583	41.898	42.078
MARYLAND	183.609	195.047	206.919	219.640	228.830	243.219	271.870
DIST. OF COLUMBIA	14.228	15.220	16.236	17.250	18.185	19.113	20.099
OHIO	655.519	685.405	704.202	737.656	759.685	781.705	797.845
WEST VIRGINIA	131.182	133.178	135.751	144.338	146.886	159.035	174.931
VIRGINIA	538.816	590.387	622.491	664.198	724.201	789.501	877.177
INDIANA	523.442	535.571	548.810	560.387	576.952	594.218	620.708
MICHIGAN	662.879	682.021	701.061	718.506	742.104	766.252	788.851
WISCONSIN	484.793	493.704	502.249	509.965	520.874	533.437	545.290
ILLINOIS	437.512	446.363	454.083	460.053	469.838	479.298	486.957
KENTUCKY	268.154	283.680	299.816	317.279	338.606	361.440	381.446
TENNESSEE	757.210	798.796	840.519	881.490	936.917	1,002.244	1,065.054
NORTH CAROLINA	998.105	1,046.120	1,105.208	1,168.428	1,349.436	1,420.565	1,509.454
SOUTH CAROLINA	493.383	505.384	506.924	511.956	526.913	551.117	561.074
ALABAMA	411.560	422.565	434.132	447.014	464.137	493.618	521.591
GEORGIA	505.391	535.363	567.950	604.668	650.340	693.424	728.863
FLORIDA	1,421.759	1,505.523	1,709.296	1,809.668	2,000.560	2,247.928	2,524.976
MINNESOTA	374.467	388.593	402.665	414.531	428.739	445.060	456.875
IOWA	250.863	252.350	253.632	255.129	257.314	259.306	260.627
MISSOURI	210.800	216.115	230.330	244.463	260.892	278.497	294.887
ARKANSAS	55.388	59.755	64.262	68.988	74.580	80.579	86.543
LOUISIANA	68.226	75.428	83.388	91.388	101.430	112.598	123.611
MISSISSIPPI	143.378	155.657	169.672	184.111	200.364	219.603	239.954
OKLAHOMA	74.454	76.478	78.287	90.377	95.766	101.448	97.865
NORTH DAKOTA	91.056	93.438	96.166	98.717	101.987	105.824	109.194
SOUTH DAKOTA	92.475	94.310	96.471	98.787	101.377	105.082	108.065
MONTANA	65.610	66.196	67.154	67.962	69.240	70.788	71.962
WYOMING	14.812	14.853	14.941	15.105	15.293	15.652	16.015
IDAHO	183.356	185.302	185.558	187.547	190.815	200.631	206.815
WASHINGTON	912.335	953.063	981.657	1,001.282	1,024.999	1,047.895	1,071.130
OREGON	554.808	572.027	594.223	607.030	664.697	704.528	720.040
NEBRASKA	100.062	100.930	101.723	102.340	104.172	105.985	106.972
KANSAS	61.309	62.833	63.570	67.169	71.014	79.078	82.339
TEXAS	270.420	292.795	312.333	360.098	373.944	398.876	396.494
NEW MEXICO	28.979	29.154	29.227	29.690	30.850	32.495	33.689
COLORADO	76.864	78.744	80.865	83.755	89.435	96.395	100.482
UTAH	58.160	56.913	55.775	55.155	55.212	56.073	55.916
ARIZONA	65.194	69.766	76.180	91.097	130.270	138.064	160.984
NEVADA	82.203	84.608	87.960	93.009	100.654	110.843	119.188
CALIFORNIA	548.191	572.983	600.389	629.122	665.340	704.732	738.071
ALASKA	24.235	25.464	26.973	28.623	30.213	31.957	33.666
HAWAII	131.751	136.461	145.450	149.089	153.714	160.263	168.435

TABLE A-10

STOCK OF CENTRAL AIR CONDITIONERS
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	1.2690	1.2796	1.2872	1.2957	1.3070	1.3221	1.3501	1.3920
NEW HAMPSHIRE	1.0340	1.0935	1.1672	1.2510	1.3598	1.5011	1.7006	1.9960
VERMONT	0.7970	0.8025	0.8081	0.8145	0.8221	0.8322	0.8515	0.8832
MASSACHUSETTS	7.4910	8.2986	9.2211	10.3742	11.9014	14.1841	16.5248	19.0311
CONNECTICUT	5.0460	5.7554	6.4486	7.3059	8.4302	10.2321	12.3669	15.0986
RHODE ISLAND	0.5350	0.6415	0.7417	0.8646	1.0204	1.2480	1.5910	1.9367
NEW YORK	32.3600	42.6668	55.9624	71.3283	85.9729	97.7959	115.7496	137.2669
PENNSYLVANIA	24.1710	29.5249	34.4150	41.2661	48.6059	59.5648	75.9653	98.1719
NEW JERSEY	17.5100	24.6356	32.9126	41.3381	53.5951	72.7510	93.5749	116.4606
DELAWARE	2.0630	2.4879	2.7864	3.4032	4.5361	6.6234	9.5501	12.3220
MARYLAND	16.9440	25.0563	36.2052	51.4286	76.2393	102.8836	144.2550	194.7967
DIST. OF COLUMBIA	17.4920	18.0800	18.6680	19.2563	28.9859	43.6688	61.5033	70.0245
OHIO	30.9220	40.5733	48.7305	59.5466	74.3822	92.1241	114.0731	137.5379
WEST VIRGINIA	3.3380	3.7521	3.9366	4.2686	4.9766	6.2574	8.1900	10.9830
VIRGINIA	15.0570	23.8586	33.6114	48.0471	66.3905	90.8335	123.1512	153.5091
INDIANA	16.9370	21.9849	27.0318	33.8044	43.2380	55.6069	73.3725	95.2445
MICHIGAN	18.7350	21.9673	24.6926	28.2240	33.5177	41.9903	55.1092	71.5205
WISCONSIN	11.1530	13.1253	14.6428	16.2439	18.7687	22.7429	28.0907	33.7691
ILLINOIS	50.3390	64.9448	81.0112	98.7727	118.6307	144.0448	179.9428	227.8951
KENTUCKY	6.7680	9.4468	11.8901	15.1295	20.1976	27.9518	38.7061	48.7719
TENNESSEE	20.5070	25.4405	30.3683	35.5427	43.1301	53.6854	68.1150	87.3504
NORTH CAROLINA	13.5220	17.8046	22.2832	27.4860	34.2504	43.6840	55.7205	73.2875
SOUTH CAROLINA	8.6140	10.3016	11.9673	14.4203	17.8929	22.8391	29.6096	39.1601
ALABAMA	22.9200	28.0558	33.7819	41.0967	51.9276	63.9325	79.1571	98.5252
GEORGIA	18.4400	24.4468	30.6094	39.9599	54.4734	70.7054	90.9403	113.5964
FLORIDA	44.1080	67.6825	88.3208	110.6437	139.8884	178.8902	224.2421	284.0267
MINNESOTA	7.5190	9.5005	11.3927	13.9687	17.3263	21.6112	26.2272	30.8843
IOWA	11.5200	14.5767	16.9705	19.7430	23.2602	29.9577	42.4407	53.2202
MISSOURI	33.9100	43.2842	52.3914	62.6784	79.9367	108.2156	141.5863	173.6822
ARKANSAS	11.0380	13.7691	16.7866	21.1926	27.0567	35.3254	46.2115	58.2163
LOUISIANA	27.0810	34.3037	40.8382	49.6047	61.6390	79.8527	106.2019	133.1086
MISSISSIPPI	9.7900	12.3256	14.6874	18.0637	22.6757	28.9536	37.4893	48.6823
OKLAHOMA	25.8700	30.9292	36.6196	44.9102	56.3969	68.9485	83.8698	98.0925
NORTH DAKOTA	1.2100	1.2668	1.2928	1.3835	1.6127	1.9234	2.2773	2.5233
SOUTH DAKOTA	2.7500	3.3036	4.0042	4.9681	6.2706	7.4126	8.0900	8.7681
MONTANA	3.6460	3.8228	4.0045	4.1675	4.3791	4.6646	5.0522	5.4732
WYOMING	1.3030	1.6703	1.8540	2.1696	2.3615	2.6929	2.7190	2.7457
IDAHO	5.5610	5.9332	6.3286	6.8198	7.4006	8.1919	9.3669	10.6195
WASHINGTON	21.5730	21.9029	22.3276	23.1167	23.9623	24.7492	25.8599	28.1543
OREGON	10.5130	10.9107	11.3213	11.8064	12.5771	13.5999	14.8431	16.4330
NEBRASKA	18.9620	23.8954	28.9858	34.9760	40.5492	46.2766	55.1698	60.2163
KANSAS	29.2260	31.5396	34.4168	39.6497	44.8334	54.0712	67.4948	81.1766
TEXAS	140.8510	174.6338	214.0217	270.1480	338.7121	411.9570	483.6488	569.7589
NEW MEXICO	10.4140	14.6257	17.6757	22.0731	28.8649	35.7364	42.8710	49.0951
COLORADO	9.1770	10.9354	13.3231	15.4696	17.6633	20.1923	23.0646	26.3757
UTAH	5.6180	7.8869	10.3662	13.1439	16.4415	18.9648	21.4783	23.8555
ARIZONA	63.4500	76.0379	87.0635	99.2242	115.9540	130.6147	141.0703	154.1039
NEVADA	10.2260	13.1054	17.1477	27.5070	37.4200	42.2502	46.5687	48.8237
CALIFORNIA	126.3200	158.7154	192.9312	236.8970	302.7811	368.2924	417.4780	447.3152
ALASKA	0.2400	0.2454	0.2524	0.2589	0.2682	0.2802	0.2967	0.3163
HAWAII	0.1080	0.1741	0.2153	0.2907	0.3437	0.4206	0.6094	0.8434

TABLE A-10 (CONTD)

STOCK OF CENTRAL AIR CONDITIONERS
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	1.4334	1.4857	1.5880	1.7180	1.8262	1.9678	2.1267
NEW HAMPSHIRE	2.2923	2.5827	3.0360	3.4802	3.9233	4.5222	5.3168
VERMONT	0.9181	0.9498	1.0040	1.0476	1.0800	1.1279	1.1897
MASSACHUSETTS	21.5243	24.6871	28.8490	33.5352	38.9960	44.4471	51.0803
CONNECTICUT	17.4914	20.1107	23.7640	26.7361	29.3820	32.4424	36.3517
RHODE ISLAND	2.2331	2.5809	3.0250	3.3486	3.9365	4.6680	5.4546
NEW YORK	156.8957	176.8499	199.6510	220.7842	246.9844	281.5991	314.5065
PENNSYLVANIA	121.7185	143.4766	174.9280	204.0613	233.6995	275.2261	332.1235
NEW JERSEY	134.6465	150.1078	170.2370	190.2452	214.1637	245.1991	280.2866
DELAWARE	15.8509	19.5028	23.3860	27.5961	31.2121	37.3425	45.5417
MARYLAND	223.9446	251.1787	290.6000	331.1377	373.1103	432.7330	508.9804
DIST. OF COLUMBIA	80.5024	90.2923	104.4633	119.0356	134.1236	155.5564	182.9654
OHIO	164.4470	193.4234	232.8370	270.3778	316.4188	368.1395	416.7773
WEST VIRGINIA	13.3182	16.5105	22.4980	30.3372	37.3553	47.6917	61.8648
VIRGINIA	182.0752	212.1051	251.6790	295.8982	354.6355	434.6305	539.7589
INDIANA	115.3832	137.3568	171.7200	199.1953	232.6415	272.4628	328.1393
MICHIGAN	88.3657	104.5581	126.8900	145.2713	166.9571	192.0358	224.9301
WISCONSIN	39.5934	45.7824	54.1220	61.1810	69.2367	79.8371	94.2977
ILLINOIS	280.8990	341.5262	414.8570	466.5001	537.4917	615.1727	704.1855
KENTUCKY	59.8241	71.8494	89.4960	108.7611	131.5355	159.4353	187.8095
TENNESSEE	107.6650	129.2714	158.3210	183.3134	217.1551	265.1726	327.4176
NORTH CAROLINA	92.2671	112.5333	144.3530	177.5745	211.6908	259.4521	316.5559
SOUTH CAROLINA	53.1980	66.7180	88.1240	112.5833	135.5985	171.0145	215.9891
ALABAMA	118.2889	138.7528	169.2650	202.2072	239.7577	290.8087	354.6224
GEORGIA	143.0687	174.7350	225.2630	281.8090	342.4746	404.7372	471.1394
FLORIDA	344.9472	433.1245	581.0250	702.1860	853.5983	1,143.7904	1,535.4229
MINNESOTA	38.5785	49.0121	63.2740	73.2224	83.6117	97.8596	109.8032
IOWA	68.8079	82.4215	100.1390	118.5885	137.4941	157.8847	181.0371
MISSOURI	206.1579	247.5078	299.8390	340.9188	394.6154	462.6934	529.4516
ARKANSAS	70.1767	82.5875	100.2530	118.0849	139.3618	165.7115	200.1301
LOUISIANA	157.1080	184.5788	231.1830	265.3729	317.9743	385.3909	462.1320
MISSISSIPPI	59.4814	70.1878	94.3630	116.9019	140.5437	178.2802	234.6171
OKLAHOMA	117.0268	141.3275	177.5720	211.0097	258.0482	313.6215	356.7485
NORTH DAKOTA	2.9177	3.4121	4.4010	5.1523	6.2073	7.7902	9.5186
SOUTH DAKOTA	9.9877	11.1879	14.6490	18.6056	22.7725	32.4479	41.3620
MONTANA	5.8395	6.1738	6.9290	7.5344	8.2858	9.3192	10.4646
WYOMING	2.8194	2.9319	3.3610	4.1905	4.9549	6.6886	9.2227
IDAHO	11.8166	13.2180	15.6120	19.2426	23.0001	28.6182	35.5081
WASHINGTON	31.8764	35.8089	39.5820	41.9110	44.1970	46.6877	50.3435
OREGON	17.9258	19.5981	21.7520	23.8902	27.2236	31.5239	36.6208
NEBRASKA	72.5354	87.1671	106.7910	122.8447	150.2959	181.5886	210.8906
KANSAS	96.6738	117.7349	147.4760	165.3628	190.2527	227.1207	267.0966
TEXAS	688.3584	848.8844	1,059.9500	1,249.7418	1,456.8544	1,716.3629	1,986.8264
NEW MEXICO	54.4008	62.3087	70.9040	89.0716	117.9835	162.8765	213.6854
COLORADO	30.6537	35.8761	44.0870	54.2367	69.1337	89.8391	108.6903
UTAH	27.0159	30.1362	35.4850	43.7895	54.0515	71.1252	89.7142
ARIZONA	168.3419	189.8090	241.4130	297.1933	376.9579	481.7932	610.3171
NEVADA	50.5199	55.2133	64.6230	78.2215	94.7966	120.0357	149.7145
CALIFORNIA	476.7301	527.1562	612.0710	696.3867	795.9670	920.9122	1,048.5722
ALASKA	0.3397	0.3596	0.3960	0.4335	0.4611	0.4957	0.5432
HAWAII	0.9383	1.1490	1.5250	1.7512	1.9771	2.3354	2.9801

HOUSING STOCKS

TABLE A-11

STOCK OF HOUSES – CALCULATED FROM DEPRECIATION RATES
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	290.102	291.615	292.725	293.918	295.266	296.748	299.021	301.308
NEW HAMPSHIRE	186.056	188.647	191.908	195.482	199.418	203.648	208.579	213.490
VERMONT	114.198	115.358	116.556	117.888	119.227	120.703	123.014	125.577
MASSACHUSETTS	1,580.787	1,595.676	1,612.952	1,633.776	1,657.153	1,686.076	1,710.560	1,728.195
CONNECTICUT	774.735	787.007	799.189	813.717	829.866	851.290	872.246	890.281
RHODE ISLAND	267.145	269.704	272.153	275.047	278.157	281.918	286.596	289.767
NEW YORK	5,370.630	5,435.638	5,520.824	5,615.765	5,692.457	5,743.710	5,807.963	5,859.759
PENNSYLVANIA	3,437.003	3,460.228	3,481.777	3,510.890	3,537.327	3,570.000	3,610.369	3,647.133
NEW JERSEY	1,849.278	1,881.478	1,919.473	1,956.771	2,002.760	2,062.256	2,115.651	2,155.121
DELAWARE	133.990	135.355	136.329	138.271	141.293	145.903	151.238	154.637
MARYLAND	892.729	909.095	931.944	962.031	1,003.592	1,040.538	1,087.898	1,126.814
DIST. OF COLUMBIA	259.913	259.797	259.549	260.810	265.055	270.358	275.675	277.384
OHIO	2,945.475	2,982.089	3,013.525	3,053.721	3,100.452	3,146.712	3,193.959	3,227.933
WEST VIRGINIA	540.622	541.719	542.216	543.078	544.635	546.968	549.874	552.698
VIRGINIA	1,112.420	1,133.136	1,156.455	1,189.739	1,225.587	1,265.129	1,308.290	1,335.560
INDIANA	1,430.261	1,444.485	1,458.932	1,477.627	1,499.698	1,523.653	1,552.059	1,575.581
MICHIGAN	2,331.076	2,353.967	2,373.573	2,398.072	2,429.200	2,470.440	2,523.157	2,567.514
WISCONSIN	1,175.941	1,191.075	1,202.903	1,214.938	1,231.024	1,251.983	1,275.266	1,291.895
ILLINOIS	3,182.293	3,214.399	3,250.273	3,288.520	3,324.763	3,363.158	3,407.931	3,448.160
KENTUCKY	879.387	887.854	895.698	905.728	919.028	935.872	955.158	967.300
TENNESSEE	1,035.476	1,050.211	1,065.162	1,080.302	1,099.118	1,120.786	1,145.240	1,167.166
NORTH CAROLINA	1,243.526	1,263.115	1,283.925	1,307.239	1,332.930	1,362.587	1,393.827	1,424.494
SOUTH CAROLINA	628.538	634.388	640.253	648.582	658.576	670.360	683.676	696.311
ALABAMA	918.772	928.631	939.798	953.554	970.818	986.658	1,003.241	1,017.432
GEORGIA	1,108.635	1,125.653	1,143.388	1,169.339	1,203.479	1,235.085	1,267.614	1,292.110
FLORIDA	1,658.715	1,719.106	1,772.812	1,828.832	1,891.035	1,959.704	2,025.626	2,084.076
MINNESOTA	1,015.910	1,026.784	1,037.332	1,051.180	1,066.479	1,082.640	1,097.013	1,106.767
IOWA	861.086	865.183	868.442	872.082	875.996	882.165	891.658	897.172
MISSOURI	1,410.334	1,421.707	1,432.930	1,445.155	1,462.540	1,486.119	1,509.090	1,523.951
ARKANSAS	540.698	546.213	552.404	561.120	570.953	582.429	594.904	604.156
LOUISIANA	929.865	941.171	951.562	965.005	980.646	1,000.241	1,023.645	1,039.719
MISSISSIPPI	583.141	587.681	591.976	597.897	604.753	612.478	621.149	628.797
OKLAHOMA	767.184	774.964	783.852	796.341	811.007	824.273	837.292	845.639
NORTH DAKOTA	178.064	178.416	178.580	179.131	180.310	181.635	182.879	183.462
SOUTH DAKOTA	199.854	200.474	201.270	202.327	203.537	204.415	205.361	205.304
MONTANA	202.960	205.232	207.604	209.656	211.913	214.436	217.262	219.327
WYOMING	103.213	104.523	105.188	106.291	106.859	107.672	108.006	107.853
IDAHO	201.750	203.408	205.196	207.339	209.486	211.907	214.876	217.005
WASHINGTON	942.759	950.614	960.886	979.290	996.008	1,008.884	1,023.889	1,044.738
OREGON	581.647	590.217	599.204	609.446	623.235	638.384	653.584	666.659
NEBRASKA	446.132	450.493	455.065	460.253	464.344	467.824	472.285	473.988
KANSAS	701.546	703.653	706.316	710.985	714.905	720.688	727.626	732.382
TEXAS	2,938.507	2,983.684	3,037.191	3,110.717	3,186.848	3,254.168	3,308.567	3,352.516
NEW MEXICO	262.481	267.252	270.762	275.642	282.031	287.381	291.968	294.659
COLORADO	551.877	566.069	585.646	602.618	617.319	631.348	644.502	654.702
UTAH	251.146	257.511	264.575	272.208	279.889	284.753	288.754	291.299
ARIZONA	387.509	408.929	427.987	448.258	471.895	489.041	499.136	507.600
NEVADA	95.932	101.202	108.718	127.293	142.358	148.434	152.919	154.495
CALIFORNIA	5,237.730	5,397.436	5,568.786	5,781.115	6,050.799	6,272.772	6,410.359	6,466.498
ALASKA	59.835	61.330	63.279	65.040	67.180	69.455	72.026	74.093
HAWAII	157.569	162.138	165.030	170.140	173.181	176.835	184.243	190.416

TABLE A-11 (CONTD)

STOCK OF HOUSES — CALCULATED FROM DEPRECIATION RATES
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	303.946	307.592	312.657	319.475	326.600	334.792	341.122
NEW HAMPSHIRE	219.229	225.394	232.218	239.309	248.187	258.724	268.360
VERMONT	128.866	132.132	136.098	139.477	142.634	146.733	150.375
MASSACHUSETTS	1,748.634	1,777.046	1,803.568	1,835.228	1,881.538	1,922.128	1,956.174
CONNECTICUT	908.688	930.768	952.614	971.456	992.512	1,013.896	1,032.725
RHODE ISLAND	292.936	297.011	300.701	303.552	310.053	317.156	322.421
NEW YORK	5,914.812	5,976.140	6,025.851	6,074.698	6,150.716	6,238.899	6,296.685
PENNSYLVANIA	3,692.554	3,738.547	3,785.708	3,832.021	3,891.164	3,963.924	4,032.642
NEW JERSEY	2,191.665	2,225.710	2,257.153	2,290.287	2,340.009	2,396.655	2,440.800
DELAWARE	159.679	165.397	169.710	174.667	180.011	187.967	195.302
MARYLAND	1,152.964	1,179.737	1,207.229	1,237.200	1,276.154	1,324.739	1,367.567
DIST. OF COLUMBIA	276.461	274.911	273.969	273.099	271.157	269.329	268.474
OHIO	3,273.328	3,326.894	3,378.579	3,430.770	3,511.119	3,590.370	3,641.742
WEST VIRGINIA	555.450	559.572	565.057	572.669	581.224	592.287	602.743
VIRGINIA	1,365.458	1,399.900	1,432.097	1,470.238	1,533.835	1,609.885	1,678.775
INDIANA	1,600.815	1,630.987	1,664.459	1,692.831	1,736.185	1,781.508	1,825.188
MICHIGAN	2,620.563	2,676.442	2,731.111	2,778.815	2,849.464	2,921.200	2,986.059
WISCONSIN	1,311.768	1,334.909	1,357.029	1,376.878	1,405.313	1,438.166	1,469.058
ILLINOIS	3,499.969	3,564.908	3,620.626	3,662.226	3,734.011	3,802.980	3,857.455
KENTUCKY	982.833	1,001.353	1,020.632	1,042.945	1,076.057	1,111.674	1,136.642
TENNESSEE	1,194.147	1,225.593	1,255.585	1,282.940	1,329.437	1,387.364	1,439.124
NORTH CAROLINA	1,463.100	1,508.271	1,558.583	1,614.271	1,686.058	1,774.299	1,847.022
SOUTH CAROLINA	717.948	740.784	766.432	797.502	834.200	883.784	927.187
ALABAMA	1,034.303	1,053.446	1,073.694	1,096.869	1,130.030	1,169.615	1,203.722
GEORGIA	1,329.240	1,372.955	1,422.438	1,481.145	1,560.208	1,631.455	1,683.831
FLORIDA	2,153.473	2,263.544	2,394.511	2,508.254	2,686.682	2,986.944	3,266.263
MINNESOTA	1,125.542	1,153.443	1,180.496	1,200.503	1,226.730	1,258.311	1,276.558
IOWA	906.462	915.353	923.561	932.623	944.279	955.317	963.956
MISSOURI	1,541.470	1,565.915	1,587.860	1,606.123	1,636.090	1,669.449	1,691.997
ARKANSAS	614.897	627.109	639.441	652.638	672.404	693.897	713.248
LOUISIANA	1,056.424	1,077.378	1,102.596	1,122.208	1,160.086	1,202.711	1,236.155
MISSISSIPPI	637.395	646.735	661.696	676.484	695.955	723.243	751.325
OKLAHOMA	858.586	876.795	896.060	914.903	948.177	982.694	1,001.157
NORTH DAKOTA	184.549	186.043	188.162	189.869	192.878	196.842	199.825
SOUTH DAKOTA	205.911	206.565	207.904	209.527	211.672	216.045	218.823
MONTANA	221.420	223.513	226.868	229.719	234.161	239.525	243.623
WYOMING	107.970	108.165	108.694	109.778	111.032	113.530	116.046
IDAHO	219.375	222.416	226.101	232.025	239.721	249.826	258.367
WASHINGTON	1,084.145	1,129.770	1,160.822	1,181.143	1,206.180	1,230.133	1,254.366
OREGON	680.964	698.524	714.568	731.453	764.496	801.925	832.504
NEBRASKA	478.831	485.134	491.131	496.332	507.496	518.670	525.882
KANSAS	738.659	748.007	757.372	763.342	773.771	787.335	797.473
TEXAS	3,423.042	3,527.647	3,625.214	3,718.224	3,845.634	3,985.805	4,086.503
NEW MEXICO	297.331	301.697	305.063	312.605	327.672	348.214	364.240
COLORADO	670.056	690.596	713.504	743.525	798.835	866.336	908.697
UTAH	295.241	299.507	304.693	313.230	326.472	345.817	360.334
ARIZONA	518.374	536.174	566.527	601.311	663.748	735.801	796.690
NEVADA	155.875	160.061	166.015	175.136	189.092	207.751	222.875
CALIFORNIA	6,530.982	6,652.119	6,796.824	6,949.150	7,174.982	7,423.776	7,598.997
ALASKA	76.968	79.647	83.115	86.903	90.408	94.263	97.909
HAWAII	193.333	200.432	209.416	215.146	222.330	232.334	244.744

TABLE A-12

STOCK OF GAS-HEATED HOUSES
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	5.887	5.871	5.856	5.840	5.824	5.808	5.793	5.777
NEW HAMPSHIRE	11.755	16.020	16.812	18.374	19.936	21.498	22.408	23.310
VERMONT	0.569	1.177	1.785	2.394	3.002	3.610	4.218	4.826
MASSACHUSETTS	246.436	262.928	301.812	304.764	326.393	362.006	384.834	422.629
CONNECTICUT	99.450	120.254	121.387	127.334	139.304	147.888	156.478	168.031
RHODE ISLAND	48.448	52.545	57.657	58.411	61.068	63.939	66.825	69.827
NEW YORK	1,227.045	1,336.204	1,444.178	1,521.611	1,657.772	1,781.698	1,877.066	1,978.700
PENNSYLVANIA	1,272.356	1,341.225	1,377.126	1,403.336	1,456.985	1,506.292	1,563.602	1,627.544
NEW JERSEY	456.878	501.875	553.929	584.141	632.606	680.415	733.802	783.744
DELAWARE	18.401	21.747	23.425	25.580	28.557	32.121	36.002	39.667
MARYLAND	272.962	300.614	328.266	355.918	383.570	411.223	438.875	466.527
DIST. OF COLUMBIA	90.415	95.099	99.782	104.466	109.150	113.834	118.517	123.201
OHIO	1,982.593	2,064.484	2,131.615	2,152.410	2,218.709	2,285.179	2,345.942	2,406.415
WEST VIRGINIA	333.850	336.631	342.749	344.031	349.895	355.137	360.310	366.546
VIRGINIA	198.756	222.425	246.087	254.849	278.780	302.715	326.495	350.671
INDIANA	373.878	431.839	497.732	530.750	591.563	645.321	706.531	765.719
MICHIGAN	1,071.050	1,148.863	1,245.450	1,282.509	1,363.113	1,451.239	1,556.570	1,652.740
WISCONSIN	262.552	297.172	335.814	354.835	397.854	441.832	485.343	533.742
ILLINOIS	1,146.519	1,295.878	1,442.288	1,528.098	1,685.229	1,832.488	1,978.548	2,129.549
KENTUCKY	401.165	420.742	435.539	444.582	463.040	483.218	503.310	527.906
TENNESSEE	289.768	295.220	302.911	309.000	311.391	329.355	347.573	360.617
NORTH CAROLINA	62.724	73.269	89.867	98.073	119.995	136.242	150.492	166.141
SOUTH CAROLINA	61.822	83.383	103.905	106.419	120.279	136.050	152.299	168.090
ALABAMA	459.485	515.246	516.980	517.837	529.512	531.824	538.587	548.786
GEORGIA	552.532	610.680	642.467	660.803	679.138	712.528	743.470	776.389
FLORIDA	177.320	183.878	214.634	217.528	220.421	242.946	267.222	284.565
MINNESOTA	399.529	436.399	466.619	473.557	494.885	518.778	542.115	576.173
IOWA	357.810	390.928	424.046	453.991	488.713	518.783	553.516	560.168
MISSOURI	722.995	755.250	788.720	811.948	856.596	895.615	931.363	973.899
ARKANSAS	295.505	307.975	318.229	329.278	344.367	354.888	370.237	381.910
LOUISIANA	735.994	752.480	768.965	785.451	801.937	818.422	834.908	851.393
MISSISSIPPI	283.841	287.902	295.325	297.420	299.514	306.148	315.144	320.259
OKLAHOMA	593.244	605.189	626.012	629.650	633.287	647.624	659.822	671.986
NORTH DAKOTA	31.183	35.547	39.889	41.703	45.124	48.088	50.744	52.657
SOUTH DAKOTA	56.358	64.390	65.542	67.563	71.365	74.903	78.418	80.211
MONTANA	123.879	128.201	132.523	134.273	138.093	140.860	143.778	146.356
WYOMING	71.058	75.800	77.878	79.075	80.274	80.485	80.695	81.022
IDAHO	21.903	26.115	33.440	36.395	41.153	41.726	47.765	55.391
WASHINGTON	73.060	95.996	118.191	124.471	141.740	161.234	182.002	205.965
OREGON	60.833	69.030	78.283	81.855	93.933	106.797	117.506	126.038
NEBRASKA	267.676	276.694	286.924	289.509	298.470	307.495	315.302	321.175
KANSAS	538.883	548.308	556.585	559.461	565.127	572.567	580.098	588.947
TEXAS	2,309.262	2,367.950	2,421.006	2,434.729	2,496.697	2,546.945	2,591.674	2,641.816
NEW MEXICO	182.596	189.976	193.975	197.263	200.550	207.261	208.930	215.009
COLORADO	418.602	451.181	477.158	480.211	496.725	510.345	523.063	536.824
UTAH	174.380	184.901	189.856	193.371	203.563	211.202	218.764	225.566
ARIZONA	306.817	326.111	340.811	345.665	358.283	365.178	376.631	383.966
NEVADA	24.990	26.847	30.844	33.412	41.023	45.343	50.350	51.828
CALIFORNIA	4,666.460	4,679.628	4,874.478	4,970.801	5,155.326	5,305.617	5,442.959	5,562.485
ALASKA	0.060	0.120	3.018	3.633	5.769	7.613	9.316	11.029
HAWAII	0.111	0.132	0.161	0.197	0.240	0.293	0.360	0.447

TABLE A-12 (CONTD)

STOCK OF GAS-HEATED HOUSES
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	5.761	5.746	5.730	5.714	5.699	5.683	5.667
NEW HAMPSHIRE	23.620	24.293	25.273	25.927	26.582	27.236	27.890
VERMONT	5.435	6.043	6.651	7.259	7.867	8.476	9.084
MASSACHUSETTS	450.270	471.214	505.433	547.187	589.776	628.660	646.055
CONNECTICUT	181.564	187.981	196.047	201.157	204.295	208.203	212.883
RHODE ISLAND	74.664	78.310	82.484	84.438	86.709	92.474	98.061
NEW YORK	2,075.888	2,172.378	2,279.320	2,329.328	2,402.905	2,476.481	2,670.156
PENNSYLVANIA	1,685.775	1,737.487	1,828.248	1,893.950	1,937.958	1,980.975	2,013.822
NEW JERSEY	833.645	881.974	930.303	1,015.745	1,070.700	1,072.180	1,089.203
DELAWARE	43.426	47.513	51.461	51.569	59.878	62.868	65.292
MARYLAND	494.179	521.831	549.483	577.135	604.787	632.439	660.091
DIST. OF COLUMBIA	127.885	132.568	137.252	141.936	146.619	151.303	155.987
OHIO	2,470.094	2,525.603	2,585.298	2,626.198	2,697.163	2,716.241	2,823.592
WEST VIRGINIA	374.545	381.241	388.571	396.196	409.468	412.348	421.353
VIRGINIA	377.579	407.765	435.588	464.414	502.586	530.777	544.884
INDIANA	817.889	885.816	948.621	1,010.416	1,070.149	1,119.874	1,161.927
MICHIGAN	1,746.383	1,842.287	1,923.962	2,026.369	2,115.198	2,189.210	2,260.138
WISCONSIN	579.571	628.242	668.743	711.266	757.788	800.184	843.563
ILLINOIS	2,281.728	2,431.621	2,551.659	2,710.818	2,843.589	2,968.563	3,085.409
KENTUCKY	556.535	574.153	591.770	611.554	637.438	649.035	655.182
TENNESSEE	375.435	392.295	409.620	420.304	446.873	459.849	491.487
NORTH CAROLINA	188.279	214.696	232.823	257.572	293.903	313.854	329.433
SOUTH CAROLINA	179.163	193.793	207.296	217.678	230.126	231.368	233.379
ALABAMA	556.389	573.865	591.341	605.526	619.711	633.896	648.081
GEORGIA	805.237	820.711	840.047	859.935	883.239	901.202	925.833
FLORIDA	311.396	347.312	368.658	401.655	442.797	458.041	503.160
MINNESOTA	592.744	606.277	636.869	666.203	684.353	703.226	743.153
IOWA	566.820	573.473	580.125	608.848	638.992	670.629	703.832
MISSOURI	1,016.243	1,046.425	1,077.114	1,100.361	1,155.211	1,205.369	1,210.540
ARKANSAS	394.831	404.852	414.886	421.677	436.231	445.181	453.805
LOUISIANA	867.879	884.365	900.850	919.243	938.011	957.163	976.706
MISSISSIPPI	327.284	332.464	335.941	341.311	357.676	363.579	369.513
OKLAHOMA	684.114	697.898	708.037	722.779	743.085	753.348	753.807
NORTH DAKOTA	55.724	56.598	59.784	64.541	68.985	74.268	77.805
SOUTH DAKOTA	83.899	91.875	93.381	97.847	101.589	106.013	115.280
MONTANA	149.579	153.332	157.751	159.825	166.478	175.499	183.211
WYOMING	82.212	82.763	83.672	86.029	90.531	92.319	97.546
IDAHO	59.943	66.619	72.757	78.669	87.779	99.502	100.498
WASHINGTON	232.964	256.956	271.832	296.094	308.906	325.384	339.742
OREGON	144.751	167.071	168.839	187.244	193.850	205.485	211.145
NEBRASKA	330.141	341.292	353.114	365.970	375.582	389.927	400.412
KANSAS	599.665	614.136	622.794	640.636	653.114	668.214	671.118
TEXAS	2,701.770	2,759.135	2,856.528	2,856.339	2,856.615	2,857.279	2,880.832
NEW MEXICO	222.982	230.651	237.898	244.835	259.221	265.080	279.138
COLORADO	554.370	573.366	605.056	627.279	671.742	709.841	726.263
UTAH	233.199	240.869	249.378	260.570	277.460	291.547	303.155
ARIZONA	397.906	424.252	446.016	464.455	499.601	527.433	540.232
NEVADA	55.460	59.661	64.697	68.317	73.325	80.955	82.380
CALIFORNIA	5,690.461	5,766.460	5,842.458	6,000.218	6,040.728	6,080.161	6,145.611
ALASKA	13.828	17.106	21.640	22.325	24.880	27.606	30.348
HAWAII	0.551	0.672	0.825	1.019	1.254	1.534	1.865

TABLE A-13

STOCK OF OIL-HEATED AND OTHER HEATED HOUSES CALCULATED AS A RESIDUAL
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	283.694	285.064	286.013	286.999	288.077	289.274	291.411	293.193
NEW HAMPSHIRE	174.098	172.326	174.653	176.450	178.521	180.567	184.026	187.380
VERMONT	113.356	113.793	114.240	114.762	115.205	115.984	116.898	118.017
MASSACHUSETTS	1,332.008	1,329.413	1,306.454	1,322.443	1,321.478	1,308.160	1,300.978	1,271.485
CONNECTICUT	673.763	664.510	674.533	681.524	683.410	690.057	693.867	688.419
RHODE ISLAND	218.459	216.821	214.015	215.953	216.115	216.504	217.373	216.457
NEW YORK	4,134.360	4,087.643	4,061.580	4,074.856	4,009.974	3,930.386	3,889.693	3,824.473
PENNSYLVANIA	2,158.588	2,110.649	2,093.191	2,091.799	2,058.645	2,029.889	1,994.096	1,945.275
NEW JERSEY	1,387.845	1,373.572	1,357.560	1,362.094	1,356.193	1,356.626	1,344.228	1,322.581
DELAWARE	114.998	112.849	111.944	111.438	111.121	111.870	112.255	110.720
OHIO	951.439	902.840	863.407	877.971	852.432	825.131	802.238	764.801
WEST VIRGINIA	203.737	201.189	194.680	193.168	187.488	182.961	178.610	173.091
VIRGINIA	904.677	898.828	894.874	914.617	920.331	921.826	924.186	912.378
INDIANA	1,043.191	995.670	940.806	921.919	877.811	840.141	798.980	752.733
MICHIGAN	1,254.028	1,197.453	1,118.422	1,103.212	1,050.263	999.936	939.815	878.950
WISCONSIN	911.221	890.857	863.224	855.190	826.890	803.438	782.305	749.054
ILLINOIS	2,028.088	1,908.048	1,793.884	1,741.437	1,613.935	1,493.303	1,377.639	1,249.554
KENTUCKY	464.459	450.011	439.337	435.713	426.230	415.867	405.589	383.663
TENNESSEE	540.764	531.219	517.827	504.189	494.920	469.093	443.207	432.064
NORTH CAROLINA	1,170.998	1,175.578	1,175.268	1,184.418	1,180.427	1,181.019	1,180.896	1,175.301
SOUTH CAROLINA	562.883	545.747	529.421	532.720	525.839	518.198	506.395	492.122
ALABAMA	425.620	369.391	372.929	378.437	376.119	376.291	372.755	363.391
GEORGIA	536.853	491.198	472.230	473.101	480.709	467.610	437.402	420.353
FLORIDA	1,321.961	1,348.888	1,340.298	1,356.440	1,373.248	1,364.957	1,355.664	1,300.978
MINNESOTA	614.951	588.395	568.031	573.945	566.609	556.821	545.634	518.316
IOWA	500.866	471.103	440.664	413.474	381.713	356.950	329.088	327.079
MISSOURI	682.369	659.644	635.825	622.876	593.132	573.381	552.103	520.485
ARKANSAS	241.265	232.449	227.206	223.390	216.611	214.617	209.130	203.930
LOUISIANA	187.876	181.046	172.964	167.145	162.822	161.324	161.240	156.724
MISSISSIPPI	288.273	286.260	280.320	280.457	281.456	272.920	268.660	263.537
OKLAHOMA	171.655	166.685	153.706	161.076	170.175	168.280	164.988	157.692
NORTH DAKOTA	146.638	142.531	138.221	136.769	134.284	132.303	130.427	128.470
SOUTH DAKOTA	142.497	134.826	134.234	132.901	129.946	126.730	123.719	121.338
MONTANA	76.363	73.988	71.670	71.526	69.491	68.972	68.002	66.666
WYOMING	31.906	28.381	26.910	26.685	25.919	26.223	25.948	25.133
IDAHO	173.939	170.484	164.016	162.165	158.396	158.774	154.255	147.092
WASHINGTON	759.010	728.471	701.519	695.816	678.753	644.991	629.804	617.265
OREGON	439.032	431.937	421.809	417.805	408.249	397.256	386.770	378.392
NEBRASKA	177.248	172.182	165.929	168.017	162.384	155.133	150.379	144.801
KANSAS	160.788	152.679	146.351	147.181	144.246	140.110	136.108	129.263
TEXAS	605.229	583.331	574.596	622.319	621.594	621.167	609.462	571.501
NEW MEXICO	78.508	75.604	74.777	75.929	78.542	75.747	78.470	74.938
COLORADO	131.797	112.865	105.777	118.762	115.846	114.587	113.038	106.692
UTAH	75.798	71.388	73.193	76.919	73.958	69.989	65.834	61.100
ARIZONA	69.741	69.410	71.029	83.071	90.363	94.990	87.173	82.892
NEVADA	49.951	50.309	50.114	60.800	64.682	61.110	48.731	42.446
CALIFORNIA	421.380	544.380	494.781	579.498	628.075	659.266	608.173	497.497
ALASKA	59.663	61.056	60.036	61.067	60.928	60.926	61.169	61.209
HAWAII	155.560	159.874	162.475	167.333	169.920	173.183	180.127	185.843
MARYLAND & DC	785.489	767.863	756.293	752.801	762.901	768.089	777.467	775.896

TABLE A-13 (CONTD)

STOCK OF OIL-HEATED AND OTHER HEATED HOUSES CALCULATED AS A RESIDUAL
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	295.028	297.448	300.949	305.454	308.464	311.073	311.821
NEW HAMPSHIRE	190.547	193.867	196.648	199.118	201.436	204.128	205.920
VERMONT	119.565	120.440	121.382	121.396	122.614	119.690	116.310
MASSACHUSETTS	1,253.903	1,247.002	1,224.524	1,199.377	1,183.077	1,166.036	1,163.941
CONNECTICUT	681.615	683.909	683.146	682.279	685.598	687.415	685.905
RHODE ISLAND	213.409	212.354	209.999	209.658	210.467	208.827	205.526
NEW YORK	3,766.747	3,715.184	3,640.490	3,620.514	3,600.817	3,593.238	3,435.165
PENNSYLVANIA	1,910.088	1,878.324	1,808.459	1,766.564	1,756.594	1,760.347	1,770.229
NEW JERSEY	1,299.354	1,276.746	1,253.224	1,189.242	1,173.633	1,214.570	1,227.462
DELAWARE	111.079	111.879	111.135	115.514	111.718	115.070	118.367
OHIO	731.277	708.762	677.687	658.472	629.207	627.220	509.081
WEST VIRGINIA	164.701	157.755	150.282	142.849	128.281	123.078	111.143
VIRGINIA	899.720	884.093	868.728	855.359	851.762	856.331	867.826
INDIANA	713.296	662.140	617.777	565.768	530.558	504.142	483.755
MICHIGAN	827.355	775.397	737.025	676.810	647.508	636.701	622.100
WISCONSIN	720.451	690.016	661.977	634.678	603.861	570.981	535.157
ILLINOIS	1,126.435	1,010.306	916.435	765.277	654.831	532.297	403.397
KENTUCKY	361.095	352.525	343.006	331.740	318.122	311.505	299.691
TENNESSEE	407.762	370.863	338.723	268.027	230.381	165.365	75.520
NORTH CAROLINA	1,165.792	1,156.729	1,157.620	1,151.925	1,143.888	1,158.368	1,161.703
SOUTH CAROLINA	495.851	492.383	490.142	492.676	493.870	506.017	511.214
ALABAMA	361.292	348.515	335.894	327.963	323.512	322.909	316.829
GEORGIA	420.007	422.099	429.542	421.770	449.853	466.004	456.616
FLORIDA	1,283.311	1,258.839	1,251.827	1,199.943	1,191.100	1,332.612	1,423.308
MINNESOTA	515.908	524.406	513.228	496.677	498.168	502.595	472.635
IOWA	328.003	328.093	325.920	303.161	278.353	253.988	225.659
MISSOURI	489.897	480.413	464.870	453.779	420.008	399.022	412.212
ARKANSAS	198.863	197.716	196.007	198.892	182.573	177.031	169.674
LOUISIANA	148.731	140.409	134.920	118.651	99.476	80.396	51.745
MISSISSIPPI	256.741	251.779	252.316	249.192	235.784	234.674	234.326
OKLAHOMA	151.324	145.898	143.191	132.726	119.778	115.173	104.320
NORTH DAKOTA	125.578	125.010	122.239	116.798	112.003	106.003	100.770
SOUTH DAKOTA	117.189	108.890	107.561	102.789	99.570	96.791	87.573
MONTANA	64.497	62.305	60.279	59.459	55.624	49.974	44.368
WYOMING	23.860	23.207	22.285	20.525	16.619	16.755	13.471
IDAHO	142.402	136.534	131.259	126.365	118.695	111.552	113.572
WASHINGTON	610.771	566.495	536.367	485.609	435.614	354.158	275.102
OREGON	356.466	332.569	333.001	319.811	334.579	348.703	361.953
NEBRASKA	138.574	131.545	122.340	106.569	97.389	79.392	61.293
KANSAS	121.067	113.661	111.262	97.087	92.120	86.287	89.225
TEXAS	544.508	532.176	470.339	496.331	514.907	554.176	531.083
NEW MEXICO	69.278	64.541	59.228	58.408	56.017	66.765	64.799
COLORADO	101.715	99.872	83.621	84.891	84.286	87.875	88.000
UTAH	56.634	51.902	46.686	41.389	34.039	34.512	32.635
ARIZONA	73.503	57.072	51.021	48.140	49.131	70.590	95.916
NEVADA	23.541	22.616	22.625	27.216	35.255	45.374	58.164
CALIFORNIA	384.539	376.601	369.302	236.012	207.241	285.153	263.473
ALASKA	60.794	59.628	57.487	58.850	58.823	56.881	54.713
HAWAII	188.202	194.593	202.321	207.253	213.473	222.346	233.575
MARYLAND & DC	757.195	738.871	719.328	701.331	684.669	670.891	645.180

TABLE A-14

STOCK OF HOMES HEATED WITH ELECTRICITY
(Thousands)

	1960	1961	1962	1963	1964	1965	1966	1967
MAINE	0.521	0.680	0.856	1.079	1.365	1.666	1.817	2.339
NEW HAMPSHIRE	0.203	0.300	0.443	0.659	0.961	1.584	2.145	2.800
VERMONT	0.273	0.387	0.531	0.732	1.020	1.109	1.898	2.734
MASSACHUSETTS	2.343	3.335	4.686	6.569	9.282	15.910	24.749	34.080
CONNECTICUT	1.522	2.243	3.268	4.859	7.153	13.345	21.901	33.831
RHODE ISLAND	0.238	0.339	0.481	0.683	0.974	1.474	2.397	3.483
NEW YORK	9.226	11.791	15.066	19.298	24.712	31.626	41.204	56.586
PENNSYLVANIA	6.058	8.354	11.460	15.756	21.697	33.819	52.671	74.314
NEW JERSEY	4.555	6.031	7.984	10.537	13.961	25.215	37.621	48.796
DELAWARE	0.591	0.759	0.960	1.253	1.616	1.912	2.981	4.250
OHIO	11.443	14.765	18.503	23.339	29.311	36.402	45.780	56.717
WEST VIRGINIA	3.035	3.899	4.787	5.879	7.251	8.870	10.954	13.062
VIRGINIA	8.987	11.883	15.494	20.273	26.477	40.587	57.609	72.511
INDIANA	13.192	16.976	20.395	24.958	30.324	38.192	46.547	57.128
MICHIGAN	5.998	7.651	9.701	12.352	15.825	19.266	26.772	35.825
WISCONSIN	2.168	3.046	3.865	4.913	6.280	6.713	7.618	9.100
ILLINOIS	7.685	10.473	14.102	18.985	25.599	37.367	51.745	69.057
KENTUCKY	13.763	17.101	20.821	25.433	29.758	36.786	46.258	55.731
TENNESSEE	204.944	223.772	244.424	267.113	292.806	322.338	354.460	374.485
NORTH CAROLINA	9.804	14.268	18.791	24.748	32.507	45.326	62.439	83.052
SOUTH CAROLINA	3.833	5.258	6.927	9.443	12.458	16.112	24.982	36.098
ALABAMA	33.667	43.994	49.889	57.281	65.187	78.543	91.899	105.255
GEORGIA	19.250	23.775	28.691	35.435	43.632	54.948	86.742	95.369
FLORIDA	159.434	186.340	217.881	254.864	297.367	351.802	402.740	498.533
MINNESOTA	1.430	1.990	2.682	3.678	4.985	7.040	9.264	12.278
IOWA	2.410	3.152	3.731	4.617	5.570	6.431	9.054	9.925
MISSOURI	4.970	6.813	8.385	10.332	12.812	17.122	25.624	29.567
ARKANSAS	3.928	5.789	6.969	8.452	9.975	12.925	15.537	18.316
LOUISIANA	5.995	7.645	9.633	12.409	15.887	20.495	27.497	31.602
MISSISSIPPI	11.027	13.519	16.331	20.020	23.784	33.410	37.345	45.000
OKLAHOMA	2.286	3.089	4.134	5.615	7.546	8.369	12.482	15.961
NORTH DAKOTA	0.243	0.338	0.471	0.659	0.902	1.243	1.708	2.334
SOUTH DAKOTA	0.999	1.257	1.494	1.863	2.226	2.782	3.224	3.755
MONTANA	2.718	3.043	3.411	3.857	4.329	4.603	5.482	6.304
WYOMING	0.249	0.342	0.401	0.531	0.666	0.964	1.363	1.698
IDAHO	5.908	6.808	7.739	8.778	9.937	11.407	12.856	14.522
WASHINGTON	110.689	126.147	141.176	159.003	175.514	202.659	212.083	221.508
OREGON	81.782	89.249	99.112	109.787	121.052	134.331	149.308	162.229
NEBRASKA	1.208	1.618	2.212	2.726	3.489	5.196	6.604	8.012
KANSAS	1.875	2.667	3.380	4.343	5.532	8.012	11.421	14.172
TEXAS	24.016	32.403	41.588	53.669	68.557	86.056	107.432	139.199
NEW MEXICO	1.377	1.673	2.009	2.450	2.939	4.373	4.567	4.711
COLORADO	1.478	2.023	2.711	3.645	4.748	6.416	8.402	11.185
UTAH	0.968	1.222	1.527	1.918	2.367	3.563	4.156	4.633
ARIZONA	10.951	13.408	16.147	19.522	23.249	28.873	35.331	40.743
NEVADA	20.991	24.046	27.760	33.080	36.653	41.982	53.838	60.221
CALIFORNIA	149.890	173.428	199.527	230.816	267.398	307.890	359.227	406.516
ALASKA	0.112	0.154	0.225	0.340	0.482	0.916	1.541	1.854
HAWAII	1.898	2.132	2.394	2.610	3.021	3.359	3.756	4.126
MARYLAND & DC	3.776	5.316	7.152	9.655	13.026	17.751	28.715	38.574

TABLE A-14 (CONTD)

STOCK OF HOMES HEATED WITH ELECTRICITY
(Thousands)

	1968	1969	1970	1971	1972	1973	1974
MAINE	3.156	4.398	5.978	8.307	12.438	18.036	23.634
NEW HAMPSHIRE	5.062	7.234	10.297	14.264	20.169	27.360	34.551
VERMONT	3.867	5.649	8.065	10.822	12.152	18.567	24.982
MASSACHUSETTS	44.461	58.831	73.611	88.664	108.686	127.432	146.178
CONNECTICUT	45.509	58.878	73.422	88.020	102.619	118.278	133.937
RHODE ISLAND	4.863	6.346	8.219	9.455	12.877	15.855	18.834
NEW YORK	72.177	88.577	106.041	124.856	146.994	169.179	191.365
PENNSYLVANIA	96.691	122.736	149.001	171.508	196.613	222.602	248.591
NEW JERSEY	58.666	66.990	73.626	85.300	95.676	109.905	124.135
DELAWARE	5.174	6.004	7.113	7.584	8.415	10.029	11.642
OHIO	71.957	92.528	115.595	146.100	184.748	246.909	309.070
WEST VIRGINIA	16.204	20.576	26.204	33.624	43.475	56.861	70.246
VIRGINIA	88.159	108.043	127.781	150.465	179.487	222.776	266.066
INDIANA	69.631	83.030	98.061	116.646	135.478	157.493	179.507
MICHIGAN	46.825	58.758	70.124	75.636	86.758	95.289	103.821
WISCONSIN	11.746	16.651	26.309	30.935	43.664	67.002	90.339
ILLINOIS	91.806	122.980	152.533	186.132	235.592	302.120	368.649
KENTUCKY	65.203	74.675	85.857	99.652	120.497	151.133	181.769
TENNESSEE	410.950	462.435	507.242	594.609	652.183	762.150	872.117
NORTH CAROLINA	109.029	136.847	168.141	204.773	248.267	302.076	355.886
SOUTH CAROLINA	42.934	54.608	68.995	87.147	110.204	146.399	182.594
ALABAMA	116.623	131.066	146.460	163.381	186.808	212.810	238.812
GEORGIA	103.996	130.146	152.849	199.439	227.115	264.249	301.382
FLORIDA	558.766	657.393	774.027	906.656	1,052.785	1,196.290	1,339.796
MINNESOTA	16.890	22.759	30.400	37.623	44.209	52.489	60.770
IOWA	11.639	13.787	17.516	20.614	26.934	30.699	34.465
MISSOURI	35.331	39.076	45.876	51.983	60.871	65.058	69.245
ARKANSAS	21.203	24.541	28.548	32.069	53.600	71.685	89.769
LOUISIANA	39.814	52.604	66.825	84.315	122.599	165.152	207.704
MISSISSIPPI	53.370	62.492	73.440	85.980	102.496	124.991	147.486
OKLAHOMA	23.147	32.998	44.833	59.398	85.314	114.172	143.030
NORTH DAKOTA	3.247	4.435	6.139	8.531	11.890	16.570	21.251
SOUTH DAKOTA	4.823	5.800	6.962	8.891	10.513	13.241	15.970
MONTANA	7.345	7.876	8.837	10.436	12.059	14.051	16.043
WYOMING	1.898	2.195	2.737	3.225	3.883	4.455	5.028
IDAHO	17.030	19.263	22.085	26.991	33.247	38.772	44.297
WASHINGTON	240.411	306.319	352.624	399.440	461.660	550.591	639.523
OREGON	179.747	198.885	212.728	224.398	236.067	247.737	259.406
NEBRASKA	10.115	12.297	15.678	23.793	34.526	49.352	64.177
KANSAS	17.927	20.209	23.315	25.619	28.538	32.834	37.130
TEXAS	176.764	236.336	298.348	365.554	474.112	574.350	674.589
NEW MEXICO	5.072	6.504	7.937	9.363	12.434	16.369	20.303
COLORADO	13.971	17.357	24.826	31.354	42.808	68.620	94.433
UTAH	5.409	6.735	8.629	11.271	14.972	19.758	24.544
ARIZONA	46.965	54.850	69.490	88.716	115.016	137.779	160.541
NEVADA	76.874	77.784	78.693	79.603	80.512	81.421	82.331
CALIFORNIA	455.981	509.058	585.065	712.920	927.013	1,058.462	1,189.912
ALASKA	2.346	2.914	3.988	5.729	6.704	9.776	12.848
HAWAII	4.580	5.167	6.270	6.875	7.603	8.454	9.305
MARYLAND & DC	50.167	61.378	75.134	89.897	111.236	139.435	174.783