

**Industrial Energy Impact Studies—Basic Data**

**Glass and  
Glass Products**

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**U.S. DEPARTMENT OF COMMERCE  
Industrial Energy Analysis Group**

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Commodity groupings covered in this volume:

SIC	Description
3211	Flat Glass
322	Gla. & Glswr, Press. or Blown
3221	Glass Containers
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CONTRACT GROUPINGS BY SIC CODE  
 RATIO OF ENERGY INPUT TO VALUE OF SHIPMENTS  
 ENERGY INPUT TYPE = TOTAL FUELS  
 \*\*\*1971\*\*\*

CONTRACT GROUP NAME	SIC CODE	NAME	RATIO (%)	TOTAL FUELS (B-BTU)	VALUE OF SHIPMENTS (\$ MILL)
7 GLASS & GLASS PRODUCTS	3221	GLASS CONTAINERS	6.706	130,354.4	1,943.6
	3229	PRESSED AND BLOWN GLASS N.E.C.	5.695	63,129.7	1,108.4
	3211	FLAT GLASS	6.899	55,963.6	811.1
	3231	PRODUCTS OF PURCHASED GLASS	1.032	11,943.4	1,156.6
		TOTAL AVERAGE		261,391.1 65,347.7	5,019.7 1,254.9

03-22-74

INDUSTRIAL ENERGY ANALYSIS GROUP



STATE ABBR	TOTAL NUMBER OF REPORTING UNITS -					NUMBER OF EMPLOYEES IN MARCH					TAXABLE PAYROLLS (\$000)				
	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972
*****	SUBTOTALS FOR - DIVISION = EAST SOUTH CENTRAL														
	14	13	16	12	17	1412	1663	1700	1080	1671	2016	2867	2921	1905	3421
ARK	2	5	4	4	5	0	0	0	0	0	0	0	0	0	0
LA	4	4	4	4	3	0	692	803	968	1041	0	1091	1415	1800	2266
OKLA	12	11	12	13	10	1916	2759	2646	2650	2919	3122	4546	4590	4765	5738
TEXAS	10	11	16	18	18	479	2145	2573	2309	2367	2046	3577	4088	4678	5198
*****	SUBTOTALS FOR - DIVISION = WEST SOUTH CENTRAL														
	28	31	36	39	36	2395	5596	6022	5927	6327	5168	9214	10093	11243	13202
*****	SUBTOTALS FOR - REGION = SOUTH														
	110	107	118	114	119	19349	29313	27832	26215	27420	30931	48057	46637	47116	56010
CALIF	34	33	37	44	48	4743	8491	9148	10987	10936	12502	16260	17843	23057	25724
ORE	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0
WASH	1	1	2	2	3	0	0	0	0	0	0	0	0	0	0
*****	SUBTOTALS FOR - DIVISION = PACIFIC														
	37	36	41	47	52	4743	8491	9148	10987	10936	12502	16260	17843	23057	25724
*****	SUBTOTALS FOR - REGION = WEST														
	37	36	41	47	52	4743	8491	9148	10987	10936	12502	16260	17843	23057	25724
*****	SUBTOTALS FOR - SIC = 3220														
	304	339	361	367	385	63722	106823	105091	104139	107122	120087	191820	194242	206473	237775
U.S. TOTALS	334	347	359	385	405	74887	115430	114612	112855	115786	142411	207308	210782	224583	256769



STATE ABBR	TOTAL NUMBER OF REPORTING UNITS -					NUMBER OF EMPLOYEES IN MARCH					TAXABLE PAYROLLS (\$000)					
	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	
ARK	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
LA	3	3	3	3	3	0	0	0	0	1041	0	0	0	0	2266	
OKLA	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	
TEXAS	7	7	7	7	8	464	2120	2379	2152	2188	2032	3549	3941	4495	4973	
*****	SUBTOTALS FOR - DIVISION - WEST SOUTH CENTRAL															
	15	16	16	16	17	464	2120	2379	2152	3229	2032	3549	3941	4495	7239	
*****	SUBTOTALS FOR - REGION - SOUTH															
	43	39	38	33	40	1570	7843	7783	2152	7222	6245	14350	14619	4495	17193	
CALIF	20	17	16	21	21	4300	8024	8636	10260	10000	11762	15350	16800	21645	23678	
ORE	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	
WASH	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
*****	SUBTOTALS FOR - DIVISION - PACIFIC															
	23	20	19	23	23	4300	8024	8636	10260	10000	11762	15350	16800	21645	23678	
*****	SUBTOTALS FOR - REGION - WEST															
	23	20	19	23	23	4300	8024	8636	10260	10000	11762	15350	16800	21645	23678	
*****	SUBTOTALS FOR - SIC - 3221															
	142	139	128	133	138	16066	45434	55402	50081	54246	39871	82729	104320	103341	125239	
U.S. TOTALS	146	139	128	138	140	32870	69200	68948	69274	70169	75851	126194	128680	143754	160785	

STATE ABBR	TOTAL NUMBER OF REPORTING UNITS -					NUMBER OF EMPLOYEES IN MARCH					TAXABLE PAYROLLS (\$000)									
	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972					
CONN	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0					
R.I.	2	2	3	2	2	0	0	0	0	0	0	0	0	0	0					
*****	SUBTOTALS FOR - DIVISION = NEW ENGLAND					0	0	0	0	0	0	0	0	0	0					
	2	2	3	5	2															
N.J.	13	15	17	19	17	0	0	2697	2674	2646	0	0	5267	5469	6250					
N.Y.	22	26	27	26	24	3420	5119	5228	4812	5048	7561	12207	13498	12775	14330					
PA	20	21	22	22	24	5377	6000	5576	5352	5973	8002	9666	9069	9201	11408					
*****	SUBTOTALS FOR - DIVISION = MIDDLE ATLANTIC					55	62	66	67	65	8797	11119	13501	12838	13667	15563	21873	27834	27445	31988
*****	SUBTOTALS FOR - REGION = NORTH EAST					57	64	69	72	67	8797	11119	13501	12838	13667	15563	21873	27834	27445	31988
ILL	9	8	10	13	15	390	408	402	401	463	588	586	684	780	948					
IND	5	7	10	10	12	0	2056	2020	2173	2334	0	3480	3504	4049	5193					
MICH	4	5	4	6	7	0	0	0	0	0	0	0	0	0	0					
OHIO	27	25	24	24	27	11027	10704	10217	10872	0	18359	19888	19413	20951	0					
*****	SUBTOTALS FOR - DIVISION = EAST NORTH CENTRAL					45	45	48	53	61	11417	13168	12639	13446	2797	18947	23954	23601	25780	6141
*****	SUBTOTALS FOR - REGION = NORTH CENTRAL					45	45	48	53	61	11417	13168	12639	13446	2797	18947	23954	23601	25780	6141
N.C.	3	3	3	3	4	0	0	0	0	0	0	0	0	0	0					
S.C.	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0					
VA	3	5	6	5	7	0	0	0	631	631	0	0	0	972	1091					
W.VA	34	33	33	34	33	6762	6763	6802	6584	6692	8766	9726	9582	9636	11324					
*****	SUBTOTALS FOR - DIVISION = SOUTH ATLANTIC					43	44	45	45	47	6762	6763	6802	7215	7323	8766	9726	9582	10608	12415
KY	4	4	3	3	3	1029	1129	1145	1080	1084	1524	2013	2005	1905	2112					
TENN	3	2	6	5	4	0	0	0	0	0	0	0	0	0	0					
*****	SUBTOTALS FOR - DIVISION = EAST SOUTH CENTRAL					7	6	9	8	7	1029	1129	1145	1080	1084	1524	2013	2005	1905	2112
ARK	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0					
OKLA	7	6	7	7	5	0	0	0	0	0	0	0	0	0	0					
TEXAS	0	0	9	11	10	0	0	194	157	179	0	0	147	183	226					
*****	SUBTOTALS FOR - DIVISION = WEST SOUTH CENTRAL					7	10	16	18	19	0	0	194	157	179	0	0	147	183	226

STATE ABBR	TOTAL NUMBER OF REPORTING UNITS					NUMBER OF EMPLOYEES IN MARCH					TAXABLE PAYROLLS (\$000)					
	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	1968	1969	1970	1971	1972	
*****	SUBTOTALS FOR - REGION = SOUTH															
	57	60	70	71	73	7791	7892	8141	8452	8586	10290	11739	11734	12696	14753	
CALIF	14	16	21	23	27	443	467	512	727	936	739	911	1043	1412	2046	
*****	SUBTOTALS FOR - DIVISION = PACIFIC															
	14	16	21	23	27	443	467	512	727	936	739	911	1043	1412	2046	
*****	SUBTOTALS FOR - REGION = WEST															
	14	16	21	23	27	443	467	512	727	936	739	911	1043	1412	2046	
*****	SUBTOTALS FOR - SIC = 3229															
	173	185	208	219	228	28448	32646	34793	35463	25986	45539	58477	64212	67333	54928	
U.S. TOTALS	188	207	230	246	263	42017	46227	45663	43576	45609	66559	81108	82097	80826	95965	

Table - Industry Geographic Distribution

Source: Prepared by U.S. Department of Commerce, Economic Development Administration from Census tapes.

Notes: The U.S. totals are taken from the County Business Patterns published by the Census Bureau. The residual can be attributed to data withheld to avoid disclosure of individual companies or withheld to assure statistical consistency with other published series.

Zeros are printed when any of the following criteria occur:

Not applicable

Not available

Negligible amount

Withheld from publication due to consistency review

Withheld to avoid disclosing figure for individual companies.

Subtotals for SIC - number indicate the sum of the records listed above. The same applies to subtotals for regions and divisions.

Subtotals for Region, Division, and SIC occur at the bottom of the series being summed.

Table 1A Supplement 1 - Summary Statistics for U.S. by Industry

Industry Category Glass and Glass Products

Line No.	SIC	Description	Year	Number of Employees	Taxable Payrolls (\$000)	Total Reporting Units
1	3211	Flat Glass	63	(-5)	(-5)	(-5)
2			67	25,137	54,237	53
3			68	24,956	55,102	64
4			69	25,509	58,661	75
5			70	22,887	55,563	72
6			71	23,142	57,590	72
7			72	24,395	68,635	76
1	322	Glass & Glassware Pressed or Blown	63	(-5)	(-5)	(-5)
2			67	114,036	177,792	335
3			68	74,887	142,411	334
4			69	115,430	207,308	347
5			70	114,612	210,782	359
6			71	112,855	224,583	385
7			72	115,786	256,769	405
1	3221	Glass Containers	63	(-5)	(-5)	(-5)
2			67	65,193	100,863	141
3			68	32,870	75,851	146
4			69	69,200	126,194	139
5			70	68,948	128,680	128
6			71	69,274	143,754	138
7			72	70,169	160,785	140

Source: County Business Patterns U.S. Summary Statistics. U.S. Department of Commerce.

Notes: Numbers enclosed in parentheses indicate footnotes. See end of table for explanatory notes.

Table 1A Supplement 1 - Summary Statistics for U.S. by Industry

Industry Category Glass and Glass Products (Con't page 2)

Line No.	SIC	Description	Year	Number of Employees	Taxable Payrolls (\$000)	Total Reporting Units
1	3229	Pressed & Blown Glass nec	63	(-5)	(-5)	(-5)
2			67	48,839	76,924	193
3			68	42,017	66,559	188
4			69	46,227	81,108	207
5			70	45,663	82,097	230
6			71	43,576	80,826	246
7			72	45,609	95,965	263
1	3231	Products of Purchased Glass	63	(-5)	(-5)	(-5)
2			67	26,798	42,510	857
3			68	28,336	46,677	812
4			69	27,697	48,148	793
5			70	27,104	50,238	783
6			71	26,601	49,543	744
7			72	27,568	56,144	733

Table Title - Summary Statistics for U.S. by Industry

Source: County Business Patterns. U.S. Summary Statistics, U.S. Department of Commerce.

Notes: County Business Patterns not issued for 1963.

- (-1) Not applicable
- (-2) Negligible
- (-3) Withheld from publication due to consistency review
- (-4) Withheld to avoid disclosing data for individual companies
- (-5) Not available

Data for number of employees are collected at mid-March. Taxable payrolls relate to the first quarter of the year only; they do not represent annual averages.

For manufacturing industries "reporting units" are conceptually the same as "establishments". In non-manufacturing industries, employers are counted once in each county for each industry in which they operate, regardless of the number of establishments operated.

Table 1A Supplement 2 - Industry Shipments by Geographic Division & State  
 Industry Category Glass and Glass Products

SIC 3211 Flat Glass

Geographic Division and State	Value of Shipments (\$ Millions)		
	1969	1970	1971
1. U. S. Total	723.8	668.0	811.1
2. Northeast Region Total	(-5)**	(-5)**	(-5)**
3. New England Division Total	(-5)	(-5)	(-5)
4. Middle Atlantic Division Total	(-5)	(-5)	(-5)
5. South Region Total	(-5)**	(-5)**	(-5)**
6. South Atlantic Division Total	92.4	92.9	108.7
7. East South Central Division Total	(-5)	(-5)	(-5)
8. West South Central Division Total	(-5)	(-5)	(-5)
9. North Region Total	(-5)**	(-5)**	(-5)**
10. East North Central Division Total	(-5)	(-5)	(-5)
11. West North Central Division Total	(-5)	(-5)	(-5)
12. West Region Total	(-5)**	(-5)**	(-5)**
13. Mountain Division Total	(-5)	(-5)	(-5)
14. Pacific Division Total	(-5)	(-5)	(-5)

Notes: Figures in parentheses indicate footnotes. See end of table.

Source: Industry Shipments by Geographic Division and State. U.S. Department of Commerce.

Table 1A Supplement 2 - Industry Shipments by Geographic Division & State  
 Industry Category Glass and Glass Products  
 SIC 322 Glass and Glassware, Pressed or Blown

Geographic Division and State	Value of Shipments (\$ Millions)		
	1969	1970	1971
1. U.S. Total	2,688.0	2,875.1	3,052.0
2. Northeast Region Total	(-5)**	(-5)**	(-5)**
3. New England Division Total	(-5)	(-5)	(-5)
4. Middle Atlantic Division Total	759.8	822.3	883.9
5. New York	137.8	123.7	143.9
6. New Jersey	309.0	345.3	367.5
7. Pennsylvania	313.1	353.2	372.5
8. South Region Total	805.9	852.6	863.7
9. South Atlantic Division Total	558.0	566.4	565.7
10. West Virginia	229.0	246.4	235.1
11. North Carolina	83.1	86.4	99.9
12. East South Central Division Total	102.8	118.9	129.1
13. West South Central Division Total	145.1	167.3	168.9
14. Oklahoma	66.0	72.9	73.1
15. North Region Total	(-5)**	(-5)**	(-5)**
16. East North Central Division Total	(-5)	(-5)	(-5)
17. Ohio	272.3	281.2	314.3
18. Indiana	210.8	222.5	235.7
19. Illinois	235.7	247.8	251.1
20. West North Division Total	(-5)	(-5)	(-5)
21. West Region Total	(-5)**	(-5)**	(-5)**
22. Mountain Division Total	(-5)	(-5)	(-5)
23. Pacific Division Total	(-5)	(-5)	(-5)
24. California	232.1	272.3	291.3

Table 1A Supplement 2 - Industry Shipments by Geographic Division & State  
 Industry Category Glass and Glass Products

SIC 3221 Glass Containers

<u>Geographic Division and State</u>		<u>Value of Shipments (\$ Millions)</u>		
		<u>1969</u>	<u>1970</u>	<u>1971</u>
1.	U.S. Total	1,664.7	1,857.7	1,943.6
2.	Northeast Region Total	(-5)**	(-5)**	(-5)**
3.	New England Division Total	(-5)	(-5)	(-5)
4.	Middle Atlantic Division Total	496.3	551.5	529.8
5.	South Region Total	(-5)**	(-5)**	(-5)**
6.	South Atlantic Division Total	260.9	290.8	288.1
7.	West Virginia	99.8	108.8	105.4
8.	East South Central Division Total	(-5)	(-5)	(-5)
9.	West South Central Division Total	123.1	145.2	145.3
10.	North Region Total	(-5)**	(-5)**	(-5)**
11.	East North Central Division Total	(-5)	(-5)	(-5)
12.	Illinois	229.3	245.2	246.8
13.	West North Central Division Total	(-5)	(-5)	(-5)
14.	West Region Total	(-5)**	(-5)**	(-5)**
15.	Mountain Division Total	(-5)	(-5)	(-5)
16.	Pacific Division Total	(-5)	(-5)	(-5)

Table 1A Supplement 2 - Industry Shipments by Geographic Division & State  
 Industry Category Glass and Glass Products  
 SIC 3229 Pressed and Blown Glass, nec

<u>Geographic Division and State</u>		<u>Value of Shipments (\$ Millions)</u>		
		<u>1969</u>	<u>1970</u>	<u>1971</u>
1.	U.S. Total	1,023.3	1,017.4	1,108.4
2.	Northeast Region Total	(-5)**	(-5)**	(-5)**
3.	New England Division Total	(-5)	(-5)	(-5)
4.	Middle Atlantic Division Total	263.5	270.8	291.1
5.	South Region Total	(-5)**	(-5)**	(-5)**
6.	South Atlantic Division Total	297.1	275.6	277.6
7.	West Virginia	129.2	137.6	129.7
8.	East South Central Division Total	(-5)	(-5)	(-5)
9.	West South Central Division Total	(-5)	(-5)	(-5)
10.	North Region Total	(-5)**	(-5)**	(-5)**
11.	East North Central Division Total	(-5)	(-5)	(-5)
12.	Indiana	(-5)	(-5)	(-4)
13.	West North Central Division Total	(-5)	(-5)	(-5)
14.	West Region Total	(-5)**	(-5)**	(-5)**
15.	Mountain Division Total	(-5)	(-5)	(-5)
16.	Pacific Division Total	(-5)	(-5)	(-5)

Table 1A Supplement 2 - Industry Shipments by Geographic Division & State  
 Industry Category Glass and Glass Products

SIC 3231 Products of purchased Glass

Geographic Division and State	Value of Shipments (\$ Millions)		
	1969	1970	1971
1. U.S. Total	1,044.2	990.0	1,156.8
2. Northeast Region Total	(-5)**	(-5)**	(-5)**
3. New England Division Total	(-5)	(-5)	(-5)
4. Middle Atlantic Division Total	401.5	363.8	412.2
5. New York	108.2	112.0	112.7
6. New Jersey	78.6	63.5	89.0
7. Pennsylvania	214.7	188.3	210.5
8. South Region Total	(-5)**	(-5)**	(-5)**
9. South Atlantic Division Total	95.5	76.9	95.0
10. East South Central Division Total	(-5)	(-5)	(-5)
11. West South Central Division Total	(-5)	(-5)	(-5)
12. North Region Total	(-5)**	(-5)**	(-5)**
13. West North Central Division Total	421.0	392.2	471.1
14. Ohio	167.3	149.0	182.4
15. Illinois	103.7	92.7	125.0
16. Michigan	128.3	125.4	135.8
17. West North Central Division Total	(-5)	(-5)	(-5)
18. West Region	(-5)**	(-5)**	(-5)**
19. Mountain Division Total	(-5)	(-5)	(-5)
20. Pacific Division Total	(-5)	(-5)	(-5)

Table: Industry Shipments by Geographic Division and State

Source: "Industry Shipments by Geographic Division and State" Annual Survey of Manufactures, U.S. Department of Commerce.

Notes: Regional totals represent the sum of the geographic division totals provided for the SIC in question. They do not necessarily represent actual totals for the region or division due to the extent of gaps in data reported at the state levels.

(-1) Not applicable

(-2) Negligible

(-3) Withheld from publication due to consistency review

(-4) Withheld to avoid disclosing data for individual companies

(-5) Not available.

\* Establishments in this industry reported value of production instead of value of shipments.

\*\* Value for region unobtainable due to lack of data for geographic divisions at this degree of detail.

\*\*\* 3714 only.

Table 1 B Industry ConcentrationIndustry Category GLASS AND GLASS PRODUCTS

Line No.	SIC	Description	Year	Total Shipments (\$ Mill.)	Number Companies	Concentration Ratios		
						4 Largest (% Shipments - Each Category)	8 Largest	20 Largest
1	3211	Flat glass	70	669.6	(-5)	92	(-3)	(-5)
2			67	611.3	39	94	98	99
3			63	549.4	11	94	99	100
1	3221	Glass containers	70	1,863.9	(-5)	57	78	(-5)
2			67	1,352.4	39	60	75	95
3			63	1,004.5	40	55	72	92
1	3229	Pressed & blown glass	70	1,052.0	(-5)	67	82	(-5)
2		n.e.c.	67	386.2	139	71	83	93
3			63	630.9	75	68	81	93
1	3231	Products of purchased glass	70	959.8	(-5)	43	51	(-5)
2			67	794.7	845	42	50	61
3			63	627.3	1,016	43	49	59

Notes: See end of table

Source: Annual Survey of Manufactures 1970. "Value-of-Shipment Concentration Ratios", U.S. Department of Commerce, Social and Economic Statistics Administration Bureau of the Census.

Table: Industry Concentration

Source: Annual Survey of Manufactures 1970. "Value-of-Shipment Concentration Ratios" U.S. Department of Commerce, Social and Economic Statistics Administration Bureau of the Census.

Notes: Aggregates at the two and three digit level of SIC are unavailable for this series.

1/ Value added by manufacture is shown for this industry rather than value of shipments because the latter contains a substantial and unmeasurable amount of duplication. The calculations for the 4, 8, and 20 largest companies also are based on value added.

2/ Value of production shown for this industry rather than value of shipments. For 1963 and subsequent years, the figure includes value of primary and secondary products made, miscellaneous receipts..., scrap and other saleable refuse, and the value of products bought and resold in the same condition.

(-1) Indicates not applicable

(-3) Indicates withheld from publication due to associated standard error of estimate or due to consistency review.

(-4) Indicates withheld to avoid disclosing figure for individual companies

(-5) Indicates not available.

Definition: A "company" is defined as the total of the individual establishments under one ownership within an industry. Consequently the same company may appear in several industries if it has diversified activities. For a few industries, as indicated by footnotes, value added by manufacture rather than value of shipments has been used to determine the size of companies. This is considered necessary for industries in which the aggregate value of shipments contains a large amount of duplication because of shipments of semifinished products between establishments.

Table 1C - Number of Establishments, by Employee Size Class

Industry Category - Glass and Glass Products

SIC	Description	Year	Number of Establishments	Number of Establishments					
				1 - 19	20-99	100-249	249-499	500+	
1	3211	Flat Glass							
2		1967	53	13	9	7	5	19	
3		1968	64	19	13	5	7	20	
4		1969	75	27	14	7	8	19	
5		1970	72	24	15	6	10	17	
6		1971	72	24	14	7	9	18	
7		1972	76	24	13	9	8	19	
1	322	Glass and Glassware Pressed or Blown							
2		1967	335	85	52	60	65	73	
3		1968	334	92	76	70	60	36	
4		1969	347	103	48	51	69	76	
5		1970	359	112	51	46	69	81	
6		1971	385	126	59	49	74	77	
7		1972	405	136	68	52	67	82	
1	3221	Glass Containers							
2		1967	141	11	13	24	49	44	
3		1968	146	17	40	42	34	13	
4		1969	139	8	15	23	46	47	
5		1970	128	5	8	17	45	53	
6		1971	138	6	15	17	50	50	
7		1972	140	8	15	19	47	51	

Source: County Business Patterns, U. S. Summary, 1967-1972. U. S. Bureau of Census



1967 INDUSTRY CONSUMPTION OF PETROLEUM PRODUCTS  
(\$ millions)

Industry Category: Glass & Glass Products

Line #	SIC	Description	Fuel Oil		Liquified Petroleum Gas	Motor & Other Gasoline	Other Petroleum Products*	Total
			Distillate	Residual				
1	3221	Glass Containers	1.1	2.3	0.0	0.6	0.0	4.0
2	3211,	Flat Glass;						
3	3229,	Pressed & Blown Glass &						
	3231	Glassware; Products Made of Purchased Glass	0.8	0.7	0.2	0.8	0.0	2.5

\* Includes lubricants

Source: "Distribution of Petroleum Products by Product Line." Input-Output Structure of the United States Economy, 1967, U.S. Department of Commerce.

1967 Industry Consumption of Petroleum Products

Source: "Distribution of Petroleum Products by Product Line" Input-Output Structure of the United States Economy, 1967, U. S. Department of Commerce.

(Prices are Producer Value, including excise)

Note: Equivalent SIC numbers were obtained from the 404 sector Input-Output SIC concordance (1967) dated 1972. Although no specific SIC equivalent is given in the concordance for "Construction" at any level of aggregation, for the purpose of this report total construction (I-O 110000) was assigned the equivalent of SIC's 15-17, and an Input-Output breakdown is given for this category.

Table 3C Direct and Indirect Energy Utilization (In Percents)

Line No.	Industry Category <u>Glass &amp; Glass Products</u>							Primary Energy
	<u>SIC</u>	<u>Description</u>	<u>Coal</u>	<u>Crude</u>	<u>Refined Petroleum</u>	<u>Electricity</u>	<u>Gas</u>	
1	3211,	Direct	28.3	0.0	15.8	53.4	69.3	55.5
2	3229,	Indirect	71.7	100.0	84.2	46.4	30.7	44.5
3	3231	BTU's/1963 \$	23,219	73,853	12,250	6,137	63,711	100,723
1	3221	Direct	5.5	0.0	45.1	50.7	71.4	56.6
2		Indirect	94.5	100.0	54.9	49.3	28.6	43.4
3		BTU's/1963 \$	30,343	126,881	30,120	9,766	100,971	163,034

Direct and Indirect Energy Utilization

Source: Energy Use in the Commercial and Industrial Sectors of the U.S. Economy, 1973. Center for Advanced Computation, University of Illinois at Urban-Champaign, November 21, 1973.

Note: Equivalent SIC numbers were obtained from the 484 sector Input-Output SIC concordance (1967) dated 1972. Although no precise SIC equivalent is given in the concordance for "Construction" at any level of aggregation, for the purpose of this report total construction (I-C 110000) was assigned the equivalent of SIC's 15-17, and an Input-Output breakdown is given for this category.

TOTAL PAYROLL BY INDUSTRY  
 TABLE 6B  
 1967 THRU 1972  
 (\$ Millions)

SIC CODE	INDUSTRY NAME	PAYROLL					
		1967	1968	1969	1970	1971	1972
3211	Flat Glass	\$196.6	\$196.4	\$213.4	\$198.1	\$212.8	\$250.0
3221	Glass Containers	\$426.1	\$435.4	\$518.8	\$578.6	\$608.2	\$670.0
3229	Pressed and Blown Glass n.e.c.	\$262.3	\$294.3	\$327.3	\$327.3	\$343.4	\$399.0
3231	Products of Purchased Glass	\$182.1	\$213.0	\$237.8	\$246.5	\$264.3	\$293.0

Labor: Total Payroll by Industry

Source: Industry Profiles, Annual Survey of Manufactures, 1971. U.S.  
Department of Commerce.

1972 Census of Manufactures, Industry Series, Advance Report.  
U.S. Department of Commerce.

Total payroll represents gross wages and salaries paid in the calendar year to all employees on the payroll of operating manufacturing establishments. The total includes salaries of officers of these establishments, if a corporation; it excludes payments to the proprietor or partners, if an unincorporated concern.

## LABOR

Item No.	Industry Category		Glass & Glass Products		SIC 3211 - Flat Glass				
	Year Annual Avg.	Total Employment (000s)	Production Workers (000s)	Avg. Weekly Earnings (\$)	Avg. Hourly Earnings (\$)	Avg. Weekly Hours	Labor Turnover (per 100 empl)	Avg. Weekly Overtime Hrs.	
1	1967	28.8	22.1	152.94	3.65	41.9	7.6	3.4	
2	1968	26.7	20.5	161.54	3.81	42.4	6.2	4.6	
3	1969	26.3	19.8	173.40	4.08	42.5	6.1	4.5	
3	1970	24.2	17.7	182.33	4.26	42.8	7.9	4.3	
4	1971	24.0	17.7	192.10	4.52	42.5	6.5	4.3	
6	1972	24.5	18.3	208.98	4.86	43.0	6.0	4.5	
7	1973	26.3	19.0	228.80	5.20	44.0	(-5)	5.6	
8	1971	Dec	24.3	18.2	207.89	4.63	44.9	4.1	5.0
9		Jan	24.2	18.2	201.28	4.67	43.1	6.2	4.9
10		Feb	23.9	18.0	202.49	4.72	42.9	4.8	4.9
11		Mar	24.0	18.1	202.53	4.71	43.0	4.7	4.2
12		Apr	24.1	18.1	195.52	4.70	41.6	4.2	3.8
13		May	24.0	17.9	200.22	4.70	42.6	7.0	3.6
14		Jun	24.1	17.9	198.08	4.75	41.7	5.2	3.8
15	1972	Jul	24.2	18.0	200.93	4.83	41.6	7.6	4.1
16		Aug	24.5	18.2	211.93	4.94	42.9	8.2	4.7
17		Sep	25.2	18.4	216.00	5.00	43.2	6.5	4.8
18		Oct	25.6	18.7	221.89	5.03	44.1	5.9	5.1
19		Nov	25.3	18.8	217.66	5.05	43.1	4.7	4.7
20		Dec	25.4	18.9	237.47	5.14	46.2	6.9	5.8
21		Jan	25.3	18.6	214.20	5.04	42.5	4.6	4.2
22		Feb	25.3	18.3	224.10	5.14	43.6	5.5	5.6
23		Mar	25.5	18.4	217.58	5.06	43.0	4.3	4.8
24		Apr	26.0	18.8	220.51	5.14	42.9	6.0	5.3
25		May	26.1	18.8	226.52	5.16	43.9	4.1	5.9
26		Jun	26.6	19.0	233.99	5.27	44.4	6.3	6.7
27	1973	Jul	26.6	19.0	227.07	5.22	43.5	8.9	5.1
28		Aug	26.6	19.1	231.77	5.22	44.4	6.6	5.7
29		Sep	26.9	19.5	234.88	5.29	44.4	5.6	6.2
30		Oct	26.9	19.6	236.62	5.27	44.9	4.4	6.4
31		Nov	27.0	19.7	238.34	5.32	44.8	4.3	6.0
32		Dec	26.9	19.4	238.50	5.30	45.0	(-5)	5.1

Notes: Figures in parentheses indicate footnotes. See end of Table. SOURCE: U. S. Employment and Earnings, U. S. Dept. of Labor

## LABOR

Item No.	Industry Category		SIC 322 - Glass & Glassware, Pressed or Blown						
	Year	Total Employment (000s)	Production Workers (000s)	Avg. Weekly Earnings (\$)	Avg. Hourly Earnings (\$)	Avg. Weekly Hours	Labor Turnover (per 100 empl)	Avg. Weekly Overtime Hrs.	
1	1967	122.5	106.3	114.90	2.83	40.6	8.6	4.1	
2	1968	121.1	106.8	125.05	3.05	41.0	8.9	4.6	
3	1969	130.0	114.4	131.95	3.25	40.6	9.1	4.5	
3	1970	132.1	114.9	140.19	3.47	40.4	8.5	4.3	
4	1971	127.9	109.9	151.90	3.76	40.4	7.1	4.4	
6	1972	133.7	115.4	161.99	3.99	40.6	7.2	4.3	
7	1973	139.7	120.4	172.53	4.26	40.5	(-5)	4.3	
8	1971	Dec	126.4	108.8	155.90	3.84	40.6	6.1	4.5
9		Jan	126.4	108.7	155.56	3.86	40.3	8.6	3.9
10		Feb	128.4	110.5	157.93	3.89	40.6	6.3	4.0
11		Mar	129.3	111.2	162.78	3.98	40.9	6.6	4.2
12		Apr	130.1	112.0	160.79	3.98	40.4	7.0	3.8
13		May	132.3	114.2	162.38	3.98	40.8	7.5	4.2
14		Jun	137.2	118.7	161.96	3.96	40.9	8.5	4.1
15	1972	Jul	135.0	117.0	162.00	4.00	40.5	7.6	4.8
16		Aug	137.4	118.8	161.99	3.99	40.6	8.5	4.5
17		Sep	137.0	118.6	163.61	4.02	40.7	8.1	4.8
18		Oct	136.8	118.4	164.43	4.05	40.6	11.6	4.5
19		Nov	137.0	118.6	164.43	4.07	40.4	4.8	4.1
20		Dec	137.1	118.6	166.46	4.08	40.8	5.6	4.3
21		Jan	136.1	117.1	166.04	4.12	40.3	7.4	4.2
22		Feb	137.5	118.3	169.33	4.14	40.9	6.8	4.3
23		Mar	138.6	119.4	173.01	4.23	40.9	6.2	4.4
24		Apr	139.0	119.5	173.38	4.26	40.7	7.9	4.2
25		May	140.1	120.9	171.70	4.25	40.4	8.2	4.1
26		Jun	142.5	123.2	171.28	4.25	40.3	8.8	4.2
27	1973	Jul	141.5	121.8	172.51	4.27	40.4	8.8	4.3
28		Aug	139.3	119.8	171.23	4.27	40.1	11.0	4.2
29		Sep	140.7	121.1	174.58	4.30	40.6	9.3	4.4
30		Oct	141.1	121.7	174.82	4.32	40.7	8.2	4.5
31		Nov	140.2	120.9	175.80	4.33	40.6	6.3	4.5
32		Dec	140.1	121.0	177.80	4.39	40.5	(-5)	4.2

Notes: Figures in parentheses indicate footnotes. See end of Table.

SOURCE: U.S. Employment and Earnings, U.S. Dept. of Labor

## LABOR

Item No.	Industry Category		Glass & Glass Containers		SIC 3221 - Glass Containers				
	Year Annual Avg.	Total Employment (000s)	Production Workers (000s)	Avg. Weekly Earnings (\$)	Avg. Hourly Earnings (\$)	Avg. Weekly Hours	Labor Turnover (per 100 empl)	Avg. Weekly Overtime Hrs.	
1	1967	68.5	60.8	117.67	2.87	41.0	9.6	(-5)	
2	1968	64.7	59.3	131.24	3.17	41.4	9.7		
3	1969	72.5	65.7	136.88	3.35	40.8	9.9		
3	1970	76.8	68.4	145.25	3.56	40.8	9.5		
4	1971	74.6	65.4	159.53	3.91	40.8	7.4		
6	1972	76.2	67.1	170.57	4.15	41.1	7.4		
7	1973	77.8	68.3	179.93	4.41	40.8	(-5)		
8	1971	Dec	72.1	63.6	162.76	3.96	41.1	5.7	(-5)
9		Jan	72.0	63.5	162.77	3.97	41.0	8.7	
10		Feb	73.0	64.2	164.82	4.02	41.0	7.2	
11		Mar	73.3	64.4	172.64	4.17	41.4	7.6	
12		Apr	74.4	65.6	168.89	4.17	40.5	7.7	
13		May	76.2	67.3	171.39	4.16	41.2	7.8	
14		Jun	79.2	70.0	171.81	4.14	41.5	8.7	
15	1972	Jul	78.6	69.4	171.80	4.17	41.2	6.6	
16		Aug	78.9	69.5	173.05	4.18	41.4	8.4	
17		Sep	77.7	68.4	172.58	4.23	40.8	8.3	
18		Oct	77.1	67.7	171.79	4.19	41.0	7.3	
19		Nov	77.0	67.7	170.11	4.19	40.6	4.9	
20		Dec	76.8	67.4	173.04	4.20	41.2	6.1	
21		Jan	75.9	66.3	170.91	4.22	40.5	8.0	(-5)
22		Feb	76.8	67.1	175.11	4.24	41.3	7.6	
23		Mar	77.0	67.5	181.28	4.40	41.2	6.9	
24		Apr	77.4	67.7	182.52	4.43	41.2	7.8	
25		May	78.5	69.0	179.49	4.41	40.7	8.5	
26		Jun	80.4	70.8	179.08	4.40	40.7	9.1	
27	1973	Jul	80.3	70.6	181.25	4.41	41.1	8.1	
28		Aug	78.3	68.7	171.23	4.27	40.3	11.0	
29		Sep	78.3	68.8	183.23	4.48	40.9	9.7	
30		Oct	77.9	68.6	181.93	4.47	40.7	8.1	
31		Nov	76.3	67.2	182.29	4.49	40.6	7.1	
32		Dec	76.9	67.8	182.25	4.50	40.5	(-5)	

Notes: Figures in parentheses indicate footnotes. See end of Table. SOURCE: U.S. Employment and Earnings, U.S. Dept. of Labor

## LABOR

Item No.	Industry Category		Glass & Glass Containers SIC 3229 - Pressed & Blown Glass, N.E.C.						
	Year Annual Avg.	Total Employment (000s)	Production Workers (000s)	Avg. Weekly Earnings (\$)	Avg. Hourly Earnings (\$)	Avg. Weekly Hours	Labor Turnover (per 100 empl)	Avg. Weekly Overtime Hrs.	
1	1967	54.0	45.6	110.52	2.77	39.9	7.4	2.7	
2	1968	56.3	47.5	117.33	2.89	40.6	8.1	3.5	
3	1969	57.5	48.7	125.64	3.11	40.4	8.2	3.3	
3	1970	55.3	46.5	132.87	3.33	39.9	7.2	3.0	
4	1971	53.4	44.5	140.49	3.53	39.8	6.8	3.2	
6	1972	57.5	48.4	150.40	3.76	40.0	6.8	3.4	
7	1973	61.9	52.1	163.21	4.06	40.2	(-5)	3.4	
8	1971	Dec	54.3	45.2	146.07	3.67	39.8	6.6	3.3
9		Jan	54.4	45.2	145.78	3.70	39.4	8.5	3.0
10		Feb	55.4	46.3	148.77	3.71	40.1	5.1	3.4
11		Mar	56.0	46.8	149.17	3.72	40.1	5.2	3.2
12		Apr	55.7	46.4	149.11	3.70	40.3	6.2	3.2
13		May	56.1	46.9	149.51	3.71	40.3	7.0	3.2
14		Jun	58.0	48.7	148.37	3.70	40.1	8.2	3.2
15	1972	Jul	56.4	47.6	148.50	3.75	39.6	8.9	4.3
16		Aug	58.5	49.3	146.92	3.71	39.6	8.6	3.3
17		Sep	59.3	50.2	151.47	3.74	40.5	7.9	4.2
18		Oct	59.7	50.7	154.40	3.86	40.0	6.4	3.6
19		Nov	60.0	50.9	156.39	3.90	40.1	5.1	3.1
20		Dec	60.3	51.2	157.18	3.91	40.2	5.0	3.1
21		Jan	60.2	50.8	159.20	3.98	40.0	6.9	3.2
22		Feb	60.7	51.2	161.60	4.00	40.4	5.6	3.3
23		Mar	61.6	51.9	162.41	4.01	40.5	5.4	3.5
24		Apr	61.6	51.8	161.20	4.02	40.1	8.0	3.3
25		May	61.6	51.9	161.20	4.04	39.9	7.8	3.3
26		Jun	62.1	52.4	160.79	4.04	39.8	8.4	3.5
27	1973	Jul	61.2	51.2	160.75	4.08	39.4	9.6	3.3
28		Aug	61.0	51.1	160.40	4.02	39.9	10.8	3.2
29		Sep	62.4	52.3	163.21	4.06	40.2	8.9	3.4
30		Oct	63.2	53.1	167.27	4.12	40.6	8.3	3.5
31		Nov	63.9	53.7	167.67	4.14	40.5	5.3	3.6
32		Dec	63.2	53.2	172.14	4.24	40.6	(-5)	3.4

Notes: Figures in parentheses indicate footnotes. See end of Table. SOURCE: U.S. Employment and Earnings, U.S. Dept. of Labor

## LABOR

Line No.	Industry Category		Glass and Glass Products SIC 3231 - Products of Purchased Glass						
	Year Annual Avg.	Total Employment (000s)	Production Workers (000s)	Avg. Weekly Earnings (\$)	Avg. Hourly Earnings (\$)	Avg. Weekly Hours	Labor Turnover (per 100 empl)	Avg. Weekly Overtime Hrs.	
1	1967	23.6	19.2	102.51	2.55	40.2	(-5)	3.0	
2	1968	27.2	21.9	107.04	2.63	40.7		3.5	
3	1969	28.8	23.0	121.97	2.83	43.1		4.5	
3	1970	28.4	22.2	117.56	2.91	40.4		3.3	
4	1971	29.8	23.4	130.31	3.11	41.9		3.8	
6	1972	31.9	25.0	146.88	3.40	43.2		4.2	
7	1973	35.5	27.6	162.21	3.79	42.8		4.6	
8	1971	Dec	30.3	23.6	132.91	3.12	42.6	(-5)	4.0
9		Jan	30.2	23.5	135.15	3.18	42.5		4.2
10		Feb	30.7	24.0	137.49	3.22	42.7		4.3
11		Mar	30.6	24.0	140.73	3.25	43.3		3.4
12		Apr	30.5	23.7	149.29	3.37	44.3		4.4
13		May	31.1	24.3	140.62	3.24	43.4		3.9
14		Jun	31.8	24.9	139.44	3.32	42.0		3.6
15	1972	Jul	31.5	24.6	128.08	3.21	39.9		3.4
16		Aug	33.0	26.0	142.72	3.39	42.1		4.0
17		Sep	33.1	26.0	142.64	3.38	42.2		4.2
18		Oct	34.2	26.9	139.86	3.37	41.5		4.2
19		Nov	33.3	26.2	165.68	3.69	44.9		4.6
20		Dec	33.2	25.9	165.39	3.70	44.7		5.1
21		Jan	33.0	25.6	163.56	3.76	43.5	(-5)	4.4
22		Feb	33.6	26.1	167.58	3.80	44.1		3.6
23		Mar	34.0	26.4	167.83	3.78	44.4		5.1
24		Apr	34.5	26.9	164.11	3.79	43.3		5.1
25		May	35.1	27.3	160.82	3.74	43.0		4.4
26		Jun	36.1	28.2	161.30	3.76	42.9		4.8
27	1973	Jul	35.8	27.8	143.02	3.63	39.4		4.1
28		Aug	36.4	28.3	155.82	3.71	42.0		4.5
29		Sep	37.4	29.0	164.21	3.81	43.1		5.3
30		Oct	37.4	28.9	165.98	3.86	43.0		5.2
31		Nov	37.4	28.8	166.96	3.91	42.7		4.6
32		Dec	35.8	27.4	166.99	3.92	42.6		4.1

Notes: Figures in parentheses indicate footnotes. See end of Table. SOURCE: Employment and Earnings, U.S. Dept. of Labor

Labor      Industry Employment, Hours and Earnings Profile

**Source:** Employment and Earnings, United States, 1909-72, and monthly supplements. U.S. Department of Labor, Bureau of Labor Statistics. Certain tables were drawn from unpublished sources at the Department of Labor.

**Note:** (-5) indicates not available. Tables are given at the most detailed level collected by the Department of Labor. Data for December, 1973, and the 1973 annual average are preliminary. Where a service sector is given, rather than a production industry, production workers should be translated as non-supervisory workers (e.g. Ground Freight Transportation). Detailed explanations of definitions and methodology are available in Employment and Earnings, United States, 1909-72 (Bulletin 1312-9), U.S. Department of Labor, Bureau of Labor Statistics.

Table 40 Industry Transportation Statistics Industry Category Glass & Glass Products  
 1. Means of Transport

Line No.	SIC	Description	Percentage Distribution by Means of Transport*					Misc.
			Rail	Motor Carrier	Private Truck	Air	Water	
1	3211	Flat Glass	46.8	44.3	8.8	0	0	.1
2			(57.6)	(36.2)	(5.7)	(.1)	(.1)	(.3)
3	3221	Glass Containers	11.6	73.9	14.4	0	.1	0
4			(21.0)	(67.9)	(10.5)	(0)	(.6)	(0)
5	3229	Pressed, Blown &	35.6	56.3	7.7	0	.1	.3
6	3231	Purchased Glass	(59.5)	(36.7)	(2.8)	(.1)	(.2)	(.7)

Notes: The first row of figures indicates percent distribution of thousands of tons shipped. Figures in parentheses represent percent distribution of millions of ton-miles of shipments.

Source: 1967 Census of Transportation, Vol. 3, pt. 3. U.S. Department of Commerce, Bureau of the Census.

Table 4C Industry Transportation StatisticsIndustry Category Glass & Glass Products2. Distance of Shipment

Line No.	SIC	Description	-(000's) Tons Shipped	Percentage Distribution by Distance of Shipment*								
				Under 50 Miles	50-99 Miles	100- 199 Miles	200- 299 Miles	300- 399 Miles	400- 499 Miles	500- 599 Miles	600- 799 Miles	Over 800 Miles
1	3211	Flat Glass	1,655	3.1	7.9	13.4	20.3	12.7	15.6	8.2	9.3	9.5
2	3221	Glass Containers	10,458	10.7	12.9	30.0	19.4	12.6	6.4	2.7	2.7	2.6
3	3229, 3231	Pressed, Blown & Purchased Glass	1,762	13.9	8.6	18.2	9.2	9.7	17.1	3.5	6.5	13.3

\* Of Thousands of Tons Shipped

Source: 1967 Census of Transportation, Vol 3, pt 3. U.S. Department of Commerce.

**TABLE 2. TCC GROUP 322--Percent Distribution of Geographic Division of Origin, by Geographic Division of Destination: 1967**

**Glass and Glassware, Pressed and Blown**

Geographic division of origin	Number	Percent distribution by division of destination									
		U.S. total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
<b>TONS OF SHIPMENTS</b>											
	(thousands of tons)										
U.S. total.....	12,220	100.0	5.5	25.2	27.6	6.0	9.0	6.3	9.5	1.7	9.2
New England.....	236	100.0	80.0	13.3	2.2	.1	.7	1.3	1.9	.1	.4
Middle Atlantic.....	3,504	100.0	9.1	63.8	11.5	1.0	12.0	1.1	.3	-	1.2
East North Central.....	3,992	100.0	1.1	11.2	62.5	10.0	2.6	6.1	3.5	.9	2.1
West North Central.....	-	-	-	-	-	-	-	-	-	-	-
South Atlantic.....	1,692	100.0	6.5	20.1	23.7	1.4	26.8	16.5	2.9	.3	1.8
East South Central.....	474	100.0	3.1	4.5	9.6	3.0	23.3	28.5	27.2	.8	-
West South Central.....	1,276	100.0	-	.2	2.9	19.9	.2	5.2	64.5	6.4	.7
Mountain.....	-	-	-	-	-	-	-	-	-	-	-
Pacific.....	1,046	100.0	.1	.1	.1	.1	.1	.1	.1	8.0	91.3
<b>TON-MILES OF SHIPMENTS</b>											
	(millions of ton-miles)										
U.S. total.....	3,274	100.0	5.9	19.4	20.2	7.8	9.1	6.0	11.6	4.9	15.1
New England.....	34	100.0	34.9	20.1	8.4	1.0	1.6	8.3	17.4	.7	7.6
Middle Atlantic.....	792	100.0	12.1	40.3	17.1	3.5	10.5	2.6	1.3	.2	12.4
East North Central.....	1,142	100.0	2.3	16.6	33.3	11.0	5.0	5.4	8.3	3.7	14.4
West North Central.....	-	-	-	-	-	-	-	-	-	-	-
South Atlantic.....	570	100.0	7.8	17.8	17.6	3.2	20.6	11.8	8.2	1.5	11.5
East South Central.....	170	100.0	7.6	7.9	12.3	6.2	20.4	13.1	29.8	2.7	-
West South Central.....	353	100.0	-	.7	5.6	19.8	.5	6.5	48.6	14.7	3.6
Mountain.....	-	-	-	-	-	-	-	-	-	-	-
Pacific.....	213	100.0	.8	.9	.9	.7	1.0	.6	.4	24.3	70.4

Note: Shipments to Alaska and Hawaii from the 48 conterminous States and the District of Columbia are included; no data were obtained for shipments originating in Alaska and Hawaii.

TABLE 3. TCC GROUP 322--Percent Distribution of Geographic Division of Destination, by Geographic Division of Origin: 1967

## Glass and Glassware, Pressed and Blown

Geographic division of destination	Number	Percent distribution by division of origin										
		U.S. total	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
<b>TONS OF SHIPMENTS</b>		(thousands of tons)										
U.S. total.....	12,220	100.0	1.9	28.7	32.7	-	13.8	3.9	10.4	-	8.6	
New England.....	674	100.0	28.0	47.3	6.2	-	16.2	2.2	-	-	.1	
Middle Atlantic.....	3,078	100.0	1.0	72.6	14.6	-	11.0	.7	.1	-	-	
East North Central.....	3,386	100.0	.2	11.9	73.7	-	11.8	1.3	1.1	-	-	
West North Central.....	727	100.0	-	4.8	55.0	-	3.2	2.0	34.9	-	.1	
South Atlantic.....	1,097	100.0	.1	38.3	9.6	-	41.6	10.0	.3	-	.1	
East South Central.....	765	100.0	.4	5.0	31.7	-	36.5	17.7	8.6	-	.1	
West South Central.....	1,156	100.0	.4	.8	12.2	-	4.3	11.1	71.1	-	.1	
Mountain.....	213	100.0	.1	.5	17.5	-	2.5	1.7	38.5	-	39.2	
Pacific.....	1,124	100.0	.1	3.9	7.4	-	2.7	-	.8	-	85.1	
<b>TON-MILES OF SHIPMENTS</b>		(millions of ton-miles)										
U.S. total.....	3,274	100.0	1.0	24.2	34.9	-	17.4	5.2	10.8	-	6.5	
New England.....	193	100.0	6.2	49.7	13.5	-	23.0	6.7	-	-	.9	
Middle Atlantic.....	635	100.0	1.1	50.3	29.8	-	16.0	2.1	.4	-	.3	
East North Central.....	662	100.0	.4	20.5	57.6	-	15.1	3.1	3.0	-	.3	
West North Central.....	254	100.0	.1	10.8	49.6	-	7.1	4.2	27.6	-	.6	
South Atlantic.....	298	100.0	.2	28.0	19.2	-	39.7	11.6	.6	-	.7	
East South Central.....	198	100.0	1.4	10.3	31.1	-	33.8	11.2	11.6	-	.6	
West South Central.....	379	100.0	1.6	2.7	24.8	-	12.2	13.3	45.2	-	.2	
Mountain.....	161	100.0	.2	1.1	26.1	-	5.3	2.8	32.3	-	32.2	
Pacific.....	494	100.0	.5	20.0	33.4	-	13.2	-	2.6	-	30.3	

Note: Shipments to Alaska and Hawaii from the 48 conterminous States and the District of Columbia are included; no data were obtained for shipments originating in Alaska and Hawaii.

Table - Industry Transportation Statistics

1. Means of Transport
2. Distance of Shipment
3. Shipments Distribution - Division of Origin/Destination

Transportation data cover the 48 coterminous states and the District of Columbia.

Transportation commodity classifications differ in certain areas from the SIC classification. Sub-categories under the SIC numbers reflect this difference.

SICs 2026, Fluid Milk; 2097, Manufactured Ice; and 241, Primary Forest Products are excluded because these industries primarily serve local markets.

The source of the Transportation Commodity Classification/Standard Industrial Classification concordance is the publication, Commodity Classification for Transportation Statistics, Executive Office of the President, Bureau of the Budget, 1967.

SALES OUTLOOK

Employment and Shipments 1971 and 1972 with Estimates to 1974

Line No.	SIC	Description	Year	Employment (000s)	% Change PY	Shipments (\$ Mill)	% Change PY
1	3211	Flat Glass	1971	20		811	
2			1972	22	10.0	938	15.7
3			1973	23	4.5	1,040	11.1
4			1974	24	4.3	1,145	10.0
1	3221	Glass Containers	1971	72		1,944	
2			1972	74	2.8	2,124	9.3
3			1973	76	2.7	2,190	3.1
4			1974	77	1.3	2,343	7.0
1	3229	Pressed & Blown Glass, N.E.C.	1971	44		1,108	
2			1972	46	4.5	1,272	14.8
3			1973	49	6.5	1,400	10.0
4			1974	50	2.0	1,510	7.9
1	3231	Products of Purchased Glass	1971	32		1,157	
2			1972	33	3.1	1,309	13.0
3			1973	33	0	1,450	11.0
4			1974	32	-1.5	1,550	7.0

Notes: 1972 data are preliminary.

1973 and 1974 data are estimated.

PY = Prior Year

See end of Table for Source.

SOURCE:

Employment and Shipments, 1971 and 1972 from 1972 Census of Manufactures (Industry Series) Advance Report, and the Annual Survey of Manufactures, U. S. Department of Commerce. 1973 and 1974 estimates were drawn from the U. S. Industrial Outlook, 1974, or were provided by industry analysts, OBRA, U. S. Department of Commerce.

FOOTNOTES:

- SIC No. 2094\* -- Dropping of sperm whale oil accounted for employment decline from 1971 level. Worldwide shortage of fats and oils caused climb in value of shipments.
- SIC No. 3031\* -- Associated standard error = 17%
- SIC No. 3031\*\* -- Not consistent with other Census series or related data.
- SIC No. 3212\* -- Shipments include interplant transfers. There could be a modest increase in output if pollution standards are relaxed and if some bottlenecks in facilities are corrected. A new steel labor contract will be negotiated in 1974.

MAJOR CONSUMERS OF INDUSTRY OUTPUT

(Inter-industry Transactions - 1967 Input-Output Tables)

Input-Output Industry Category Glass & Glass Products  
 SIC's Covered SIC 3211, 3229, 3231

	Producer Prices (\$ Millions)
10 Major Consumers of Industry Output	
1. Food & kindred products	\$ 1,001
2. Motor vehicles and equipment	353
3. Glass and glass products	242
4. Electronic components and accessories	232
5. Drugs, cleaning and toilet preparations	193
6. New construction	163
7. Wholesale and retail trade	130
8. Electric lighting and wiring equipment	125
9. Automobile repair and services	109
10. Maintenance and repair construction	92
	<hr/>
Total Intermediate Output to 10 Major Consumers	2,640
Total Intermediate Output	3,228
Top 10 Consumers as a percent of Total	81.9%

Source: "Input-Output Structure of the U.S. Economy: 1967" [87 Sectors] Table 1.  
 Inter-industry Transactions. U.S. Department of Commerce