Changes in Key Measures of Carbon Intensity in Manufacturing, 1991-1998

Industry Group	SIC[a] Code	1991			1998			Percent Change, 1991-1998		
		E/Y	*C/E*	*C/Y*	*E/Y*	*C/E*	*C/Y*	*E/Y*	*C/E*	*C/Y*
Petroleum	29	36	45.26	1,647.2	42	42.32	1,776.3	15.3	-6.5	7.8
Chemicals	28	17	45.84	771.3	18	44.25	800.0	7.4	-3.5	3.7
Metals	33	22	68.17	1,484.4	19	68.53	1,301.3	-12.8	0.5	-12.3
Paper	26	20	37.40	731.9	20	36.32	709.6	-0.2	-2.9	-3.0
Food	20	3	59.05	176.9	3	57.37	181.6	5.7	-2.9	2.6
Glass	32	16	67.76	1,104.7	14	66.57	913.7	-15.8	-1.8	-17.3
Other Manufacturing		2	55.20	131.7	2	54.81	114.7	-12.3	-0.7	-12.9
Total		**8**	**50.91**	**408.8**	**7**	**49.42**	**356.0**	**-10.3**	**-2.9**	**-12.9**
Total Without Structural Shift		**8**	—	—	**8**	—	—	**0.7**	—	—

[a]Standard Industrial Classification.

Notes: *E/Y* = energy consumed (thousand Btu) per constant 1996 dollar value of shipments. *C/E* = million metric tons CO_2 emitted per quadrillion Btu of energy consumed. *C/Y* = metric tons CO_2 emitted per million chained 1996 dollars value of shipments.

Sources: Energy Information Administration, Form EIA-846, "Manufacturing Energy Consumption Survey," and Form EIA-810, "Monthly Refinery Report" (1998).