

**Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>Key Indicators</b>													
<b>Level of Travel</b>													
(billion vehicle miles traveled)													
Light-Duty Vehicles less than 8500 pounds	2557	2602	2627	2667	2727	2801	2874	2947	3017	3084	3151	3217	3286
Commercial Light Trucks 1/ Freight Trucks greater than 10000 pounds	64	65	67	69	70	72	74	76	78	80	81	83	85
(billion seat miles available)	210	214	225	235	239	246	254	262	268	274	280	286	294
Air	908	932	951	970	996	1027	1067	1106	1152	1194	1231	1264	1296
(billion ton miles traveled)													
Rail	1328	1352	1397	1450	1471	1501	1537	1563	1576	1604	1624	1642	1667
Domestic Shipping	606	592	583	604	609	617	634	648	649	656	661	662	668
<b>Energy Efficiency</b>													
(miles per gallon)													
New Light-Duty Vehicle 2/ New Car 2/ New Light Truck 2/ Light-Duty Stock 3/ New Commercial Light Truck 1/ Stock Commercial Light Truck 1/ Freight Truck	24.6	25.1	25.3	25.1	24.9	25.6	25.3	25.5	25.7	25.8	25.8	25.9	26.0
(seat miles per gallon)	28.9	29.5	29.8	29.2	29.1	29.3	29.1	29.4	29.7	29.9	30.0	30.1	30.2
Aircraft	21.3	21.8	21.8	21.9	21.7	22.8	22.6	22.7	22.9	23.0	23.1	23.2	23.3
(ton miles/thousand Btu)	20.0	20.0	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.2	20.2	20.3	20.4
Rail	14.1	14.6	14.6	14.6	14.5	15.2	15.1	15.2	15.2	15.3	15.4	15.4	15.5
Domestic Shipping	13.8	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.8	14.9	15.0
(miles per gallon)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1
(ton miles/thousand Btu)	55.2	55.3	56.2	56.9	57.4	57.9	58.4	58.8	59.2	59.6	60.2	60.8	61.4
Rail	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
Domestic Shipping	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
<b>Energy Use by Mode</b>													
(quadrillion Btu)													
Light-Duty Vehicles	15.58	15.78	16.11	16.41	16.78	17.20	17.63	18.05	18.45	18.81	19.17	19.52	19.88
Commercial Light Trucks 1/ Bus Transportation	0.58	0.58	0.60	0.61	0.62	0.63	0.64	0.65	0.67	0.68	0.69	0.70	0.71
Freight Trucks	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27
Rail, Passenger	4.39	4.46	4.68	4.87	4.96	5.09	5.27	5.43	5.56	5.68	5.79	5.88	6.01
Rail, Freight	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14
Shipping, Domestic	0.47	0.47	0.48	0.49	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.52	0.52
Shipping, International	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.29
Recreational Boats	0.59	0.56	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Air	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.35
Military Use	2.87	2.74	2.84	2.93	3.02	3.13	3.20	3.30	3.43	3.53	3.62	3.70	3.77
Lubricants	0.64	0.69	0.76	0.79	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.81
Pipeline Fuel	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23
Total	0.69	0.65	0.66	0.67	0.67	0.67	0.69	0.70	0.70	0.71	0.72	0.72	0.73
(million barrels per day oil equivalent)	26.92	27.07	27.78	28.43	29.02	29.71	30.45	31.17	31.85	32.48	33.07	33.61	34.21
Light-Duty Vehicles	8.19	8.29	8.46	8.64	8.84	9.06	9.28	9.51	9.72	9.91	10.09	10.28	10.46
Commercial Light Trucks 1/	0.30	0.30	0.32	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37

**Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption**

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Bus Transportation	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13
Freight Trucks	2.09	2.13	2.23	2.32	2.37	2.43	2.52	2.60	2.66	2.72	2.77	2.82	2.88
Rail, Passenger	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Rail, Freight	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25
Shipping, Domestic	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Shipping, International	0.26	0.25	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23
Recreational Boats	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18
Air	1.39	1.33	1.38	1.42	1.46	1.51	1.55	1.60	1.66	1.71	1.75	1.79	1.82
Military Use	0.31	0.33	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Lubricants	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
Pipeline Fuel	0.35	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37
Total	13.65	13.73	14.09	14.44	14.74	15.10	15.47	15.84	16.19	16.51	16.81	17.09	17.39

**Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption**

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2003-2025
<b>Key Indicators</b>												
<b>Level of Travel</b>												
(billion vehicle miles traveled)												
Light-Duty Vehicles less than 8500 pounds	3354	3421	3487	3552	3616	3680	3747	3818	3891	3971	4053	2.0%
Commercial Light Trucks 1/	87	88	90	92	94	96	98	100	102	105	107	2.3%
Freight Trucks greater than 10000 pounds	300	306	314	322	329	336	343	350	358	366	373	2.6%
(billion seat miles available)												
Air	1327	1356	1386	1411	1435	1455	1473	1489	1501	1513	1520	2.2%
(billion ton miles traveled)												
Rail	1690	1718	1746	1773	1803	1833	1859	1890	1930	1966	2001	1.8%
Domestic Shipping	669	673	687	697	702	706	709	711	719	728	733	1.0%
<b>Energy Efficiency</b>												
(miles per gallon)												
New Light-Duty Vehicle 2/	26.1	26.2	26.3	26.3	26.4	26.5	26.6	26.7	26.8	26.9	26.9	0.3%
New Car 2/	30.3	30.3	30.4	30.5	30.5	30.6	30.7	30.8	30.9	30.9	31.0	0.2%
New Light Truck 2/	23.4	23.5	23.7	23.8	23.9	24.1	24.2	24.3	24.4	24.5	24.6	0.6%
Light-Duty Stock 3/	20.4	20.5	20.5	20.6	20.7	20.7	20.8	20.9	20.9	21.0	21.0	0.2%
New Commercial Light Truck 1/	15.6	15.7	15.7	15.8	15.9	16.0	16.1	16.1	16.2	16.3	16.4	0.5%
Stock Commercial Light Truck 1/	15.1	15.2	15.2	15.3	15.4	15.5	15.6	15.6	15.7	15.8	15.9	0.6%
Freight Truck	6.2	6.2	6.2	6.3	6.3	6.4	6.4	6.5	6.5	6.5	6.6	0.4%
(seat miles per gallon)												
Aircraft	62.1	62.7	63.4	64.0	64.6	65.2	65.9	66.5	67.2	67.9	68.5	1.0%
(ton miles/thousand Btu)												
Rail	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	1.0%
Domestic Shipping	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.2%
<b>Energy Use by Mode</b>												
(quadrillion Btu)												
Light-Duty Vehicles	20.24	20.57	20.91	21.23	21.54	21.85	22.18	22.52	22.88	23.28	23.69	1.9%
Commercial Light Trucks 1/	0.72	0.73	0.74	0.75	0.77	0.78	0.79	0.80	0.82	0.83	0.84	1.7%
Bus Transportation	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.3%
Freight Trucks	6.11	6.17	6.29	6.40	6.50	6.60	6.69	6.78	6.89	7.00	7.10	2.1%
Rail, Passenger	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.17	1.7%
Rail, Freight	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.56	0.8%
Shipping, Domestic	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.8%
Shipping, International	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	-0.3%
Recreational Boats	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.39	1.0%
Air	3.83	3.88	3.94	4.01	4.07	4.11	4.15	4.18	4.21	4.24	4.25	2.0%
Military Use	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.9%
Lubricants	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	1.4%
Pipeline Fuel	0.73	0.76	0.81	0.82	0.83	0.82	0.83	0.83	0.83	0.84	0.84	1.2%
Total	34.75	35.26	35.85	36.39	36.91	37.39	37.86	38.37	38.90	39.48	40.04	1.8%
(million barrels per day oil equivalent)												
Light-Duty Vehicles	10.65	10.83	11.00	11.17	11.33	11.49	11.66	11.84	12.03	12.24	12.45	1.9%
Commercial Light Trucks 1/	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.44	0.44	1.7%

**Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption**

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2003- 2025
Bus Transportation	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.3%
Freight Trucks	2.92	2.96	3.01	3.06	3.11	3.16	3.20	3.25	3.30	3.35	3.40	2.2%
Rail, Passenger	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	1.7%
Rail, Freight	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.8%
Shipping, Domestic	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.8%
Shipping, International	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	-0.3%
Recreational Boats	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	1.0%
Air	1.85	1.88	1.91	1.94	1.97	1.99	2.01	2.02	2.04	2.05	2.06	2.0%
Military Use	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.9%
Lubricants	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.13	0.13	1.4%
Pipeline Fuel	0.37	0.39	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.43	0.43	1.2%
Total	17.67	17.93	18.22	18.50	18.76	19.00	19.25	19.50	19.78	20.07	20.36	1.8%

**Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption**

1/ Commercial trucks 8,500 to 10,000 pounds.

2/ Environmental Protection Agency rated miles per gallon.

3/ Combined car and light truck "on-the-road" estimate.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 2002 and 2003 are model results and may differ slightly from official EIA data reports.

Sources: 2002 and 2003: Energy Information Administration (EIA), Natural Gas Annual 2002, DOE/EIA-0131(2002) (Washington, DC, January 2004); Federal Highway Administration, Highway Statistics 2002 (Washington, DC, November 2003); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 23 and Annual (Oak Ridge, TN, September 2003); National Highway Traffic and Safety Administration, Summary of Fuel Economy Performance (Washington, DC, February 2000); EIA, Household Vehicle Energy Consumption 1994, DOE/EIA-0464(94) (Washington, DC, August 1997); U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); EIA, Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives To Traditional Transportation Fuels 1998, [http://www.eia.doe.gov/cneaf/alt\\_trans98/table1.html](http://www.eia.doe.gov/cneaf/alt_trans98/table1.html); EIA, State Energy Data 2001, DOE/EIA-0214(2001) (Washington, DC, November 2004); U.S. Department of Transportation, Research and Special Programs Administration, Air Carrier Statistics Monthly, December 2003/2002 (Washington, DC, 2003); EIA, Fuel Oil and Kerosene Sales 2002, DOE/EIA-0535(2002) (Washington, DC, November 2003).; and United States Department of Defense, Defense Fuel Supply Center. Projections: EIA, AEO2005 National Energy Modeling System run aeo2005.d102004a.