

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Key Indicators													
Travel Indicators													
(billion vehicle miles traveled)													
Light-Duty Vehicles < 8500 pounds	2652	2655	2653	2666	2698	2744	2799	2860	2923	2988	3056	3125	3194
Commercial Light Trucks 1/	66	67	69	69	70	71	72	74	75	77	79	81	82
Freight Trucks > 10000 pounds	226	230	236	241	245	250	255	261	267	274	280	287	294
(billion seat miles available)													
Air	992	1027	1023	1037	1074	1117	1172	1205	1229	1254	1278	1302	1325
(billion ton miles traveled)													
Rail	1590	1590	1636	1651	1660	1679	1714	1759	1784	1810	1841	1864	1900
Domestic Shipping	618	613	604	628	644	653	661	668	678	682	693	699	703
Energy Efficiency Indicators													
(miles per gallon)													
New Light-Duty Vehicle 2/	24.6	25.2	25.7	26.0	26.6	26.9	27.3	27.8	27.8	27.8	27.8	27.9	27.9
New Car 2/	29.1	30.0	29.5	29.8	29.9	30.9	31.7	32.1	32.2	32.3	32.3	32.4	32.5
New Light Truck 2/	21.5	21.8	22.0	22.2	23.2	23.4	23.7	24.4	24.4	24.5	24.6	24.7	24.8
Light-Duty Stock 3/	19.6	19.6	19.7	19.6	19.6	19.6	19.8	19.9	20.1	20.3	20.4	20.6	20.7
New Commercial Light Truck 1/	14.5	14.6	14.8	14.9	15.5	15.6	15.8	16.3	16.3	16.3	16.4	16.4	16.5
Stock Commercial Light Truck 1/	14.0	14.1	14.2	14.3	14.4	14.6	14.7	14.9	15.1	15.2	15.4	15.5	15.7
Freight Truck	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2
(seat miles per gallon)													
Aircraft	55.5	55.7	55.9	56.6	57.2	57.7	58.2	58.7	59.4	60.2	61.0	61.9	62.8
(ton miles/thousand Btu)													
Rail	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Domestic Shipping	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Energy Use by Mode													
(quadrillion Btu)													
Light-Duty Vehicles	16.34	16.36	16.55	16.50	16.53	16.63	16.76	16.97	17.20	17.44	17.71	17.99	18.27
Commercial Light Trucks 1/	0.59	0.59	0.60	0.61	0.61	0.61	0.61	0.62	0.63	0.63	0.64	0.65	0.66
Bus Transportation	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28
Freight Trucks	4.70	4.77	4.90	5.02	5.10	5.19	5.29	5.40	5.52	5.62	5.71	5.80	5.89
Rail, Passenger	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Rail, Freight	0.55	0.55	0.56	0.57	0.57	0.57	0.59	0.60	0.61	0.62	0.63	0.63	0.64
Shipping, Domestic	0.26	0.26	0.25	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29
Shipping, International	0.69	0.76	0.70	0.72	0.74	0.75	0.77	0.77	0.78	0.78	0.78	0.78	0.78
Recreational Boats	0.19	0.18	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23
Air	2.85	2.84	2.91	3.01	3.14	3.30	3.50	3.59	3.64	3.70	3.74	3.79	3.83
Military Use	0.71	0.71	0.68	0.70	0.71	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75
Lubricants	0.15	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Pipeline Fuel	0.59	0.58	0.57	0.63	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70
Total	27.92	28.05	28.36	28.65	28.96	29.37	29.86	30.31	30.75	31.18	31.63	32.07	32.53

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
(million barrels per day oil equivalent)													
Light-Duty Vehicles	8.57	8.58	8.69	8.76	8.80	8.91	9.00	9.11	9.23	9.36	9.51	9.66	9.81
Commercial Light Trucks 1/	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35
Bus Transportation	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Freight Trucks	2.24	2.27	2.34	2.40	2.44	2.48	2.53	2.59	2.64	2.69	2.73	2.78	2.82
Rail, Passenger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rail, Freight	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.29	0.29	0.29	0.30	0.30	0.31
Shipping, Domestic	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Shipping, International	0.30	0.33	0.31	0.32	0.32	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Recreational Boats	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Air	1.38	1.37	1.41	1.46	1.52	1.59	1.69	1.73	1.76	1.79	1.81	1.83	1.85
Military Use	0.34	0.34	0.33	0.33	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36
Lubricants	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Pipeline Fuel	0.30	0.29	0.29	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.35
Total	14.14	14.19	14.36	14.61	14.79	15.05	15.31	15.54	15.77	15.99	16.22	16.45	16.69

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Key Indicators															
Travel Indicators															
(billion vehicle miles traveled)															
Light-Duty Vehicles < 8500 pounds	3264	3334	3403	3474	3546	3617	3691	3765	3839	3917	3995	4071	4150	4226	1.9%
Commercial Light Trucks 1/	84	86	88	89	91	93	95	97	99	101	103	105	108	110	2.0%
Freight Trucks > 10000 pounds	299	305	311	318	325	332	339	347	355	363	372	381	389	397	2.2%
(billion seat miles available)															
Air	1349	1373	1398	1410	1424	1437	1451	1464	1478	1491	1505	1518	1531	1544	1.6%
(billion ton miles traveled)															
Rail	1921	1937	1964	2000	2040	2086	2125	2168	2223	2275	2316	2361	2402	2445	1.7%
Domestic Shipping	707	714	724	730	737	742	745	748	751	755	760	766	771	775	0.9%
Energy Efficiency Indicators															
(miles per gallon)															
New Light-Duty Vehicle 2/	28.0	28.1	28.2	28.2	28.3	28.5	28.6	28.8	28.9	28.9	29.0	29.1	29.2	29.2	0.6%
New Car 2/	32.6	32.6	32.7	32.8	32.9	33.1	33.2	33.3	33.4	33.4	33.5	33.6	33.6	33.7	0.5%
New Light Truck 2/	24.9	25.0	25.1	25.3	25.4	25.6	25.8	25.9	26.1	26.2	26.3	26.4	26.5	26.5	0.8%
Light-Duty Stock 3/	20.8	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.8	21.8	21.9	22.0	22.1	22.2	0.5%
New Commercial Light Truck 1/	16.6	16.6	16.7	16.7	16.8	16.9	17.0	17.1	17.2	17.2	17.3	17.4	17.4	17.4	0.7%
Stock Commercial Light Truck 1/	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.8	16.9	17.0	17.0	0.8%
Freight Truck	6.3	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7	0.4%
(seat miles per gallon)															
Aircraft	63.7	64.6	65.4	66.4	67.4	68.5	69.6	70.6	71.6	72.6	73.5	74.3	75.0	75.6	1.2%
(ton miles/thousand Btu)															
Rail	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.1%
Domestic Shipping	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	0.1%
Energy Use by Mode															
(quadrillion Btu)															
Light-Duty Vehicles	18.56	18.85	19.13	19.44	19.74	20.04	20.35	20.67	20.98	21.32	21.65	21.98	22.32	22.66	1.3%
Commercial Light Trucks 1/	0.67	0.68	0.68	0.69	0.70	0.71	0.72	0.73	0.75	0.76	0.77	0.78	0.80	0.81	1.3%
Bus Transportation	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.5%
Freight Trucks	5.95	6.01	6.08	6.18	6.27	6.37	6.47	6.58	6.71	6.85	6.99	7.13	7.26	7.40	1.8%
Rail, Passenger	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	1.1%
Rail, Freight	0.65	0.66	0.66	0.68	0.69	0.70	0.72	0.73	0.75	0.76	0.78	0.79	0.80	0.82	1.6%
Shipping, Domestic	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.9%
Shipping, International	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.80	0.80	0.2%
Recreational Boats	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	1.5%
Air	3.88	3.92	3.96	3.97	3.98	3.98	3.99	3.99	4.00	4.01	4.03	4.05	4.07	4.11	1.5%
Military Use	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.80	0.80	0.5%
Lubricants	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.4%
Pipeline Fuel	0.70	0.74	0.78	0.79	0.80	0.80	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	1.3%
Total	32.95	33.41	33.88	34.33	34.78	35.22	35.68	36.14	36.63	37.16	37.69	38.22	38.75	39.29	1.4%

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
(million barrels per day oil equivalent)															
Light-Duty Vehicles	9.96	10.12	10.27	10.43	10.59	10.75	10.92	11.09	11.25	11.43	11.61	11.79	11.97	12.15	1.4%
Commercial Light Trucks 1/	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.41	0.42	0.42	0.43	0.44	1.4%
Bus Transportation	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.6%
Freight Trucks	2.85	2.88	2.91	2.96	3.00	3.05	3.10	3.15	3.21	3.28	3.35	3.41	3.48	3.54	1.8%
Rail, Passenger	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.1%
Rail, Freight	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39	1.7%
Shipping, Domestic	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.9%
Shipping, International	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.2%
Recreational Boats	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.15	1.6%
Air	1.88	1.89	1.91	1.92	1.92	1.93	1.93	1.93	1.94	1.94	1.95	1.96	1.97	1.99	1.5%
Military Use	0.36	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.5%
Lubricants	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.4%
Pipeline Fuel	0.35	0.37	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	1.3%
Total	16.91	17.14	17.38	17.62	17.85	18.08	18.31	18.56	18.81	19.08	19.35	19.63	19.90	20.18	1.4%

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 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005: Energy Information Administration (EIA), Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005); EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006); Federal Highway Administration, Highway Statistics 2004 (Washington, DC, October 2005); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 25 and Annual (Oak Ridge, TN, 2006); National Highway Traffic and Safety Administration, Summary of Fuel Economy Performance (Washington, DC, February 2000); U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); EIA, Estimated Number of Alternative-Fueled Vehicles, http://www.eia.doe.gov/cneaf/alternate/page/datatables/aft1-13_03.html; EIA, State Energy Data Report 2002, DOE/EIA-0214(2002) (Washington, DC, December 2005); U.S. Department of Transportation, Research and Special Programs Administration, Air Carrier Statistics Monthly, December 2005/2004 (Washington, DC, 2005); EIA, Fuel Oil and Kerosene Sales 2004, DOE/EIA-0535(2004) (Washington, DC, November 2005); and United States Department of Defense, Defense Fuel Supply Center. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.