

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
<b>Key Indicators</b>														
<b>Travel Indicators</b>														
(billion vehicle miles traveled)														
Light-Duty Vehicles < 8500 pounds	2652	2655	2653	2666	2702	2755	2819	2893	2972	3052	3132	3212	3290	
Commercial Light Trucks 1/	66	67	69	69	70	71	73	74	76	78	80	82	84	
Freight Trucks > 10000 pounds	226	230	236	241	246	251	257	264	271	278	284	291	298	
(billion seat miles available)														
Air	992	1027	1023	1037	1075	1120	1178	1207	1232	1257	1282	1306	1330	
(billion ton miles traveled)														
Rail	1590	1590	1636	1652	1664	1685	1712	1749	1776	1802	1829	1847	1884	
Domestic Shipping	618	613	604	627	647	661	671	682	693	698	710	715	719	
<b>Energy Efficiency Indicators</b>														
(miles per gallon)														
New Light-Duty Vehicle 2/	24.6	25.2	25.7	26.0	26.4	26.7	27.1	27.4	27.4	27.4	27.4	27.5	27.5	
New Car 2/	29.1	30.0	29.5	29.8	29.9	30.9	31.6	31.9	32.0	32.0	32.1	32.1	32.2	
New Light Truck 2/	21.5	21.8	22.0	22.2	23.2	23.3	23.6	24.3	24.3	24.3	24.4	24.5	24.6	
Light-Duty Stock 3/	19.6	19.6	19.7	19.6	19.6	19.7	19.8	20.0	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	16.2	16.2	16.2	16.3	16.3	16.3	
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	15.6	
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	58.1	58.6	59.2	59.9	60.7	61.5	62.4	
(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	
<b>Energy Use by Mode</b>														
(quadrillion Btu)														
Light-Duty Vehicles	16.34	16.36	16.55	16.50	16.56	16.71	16.92	17.22	17.56	17.91	18.26	18.62	18.98	
Commercial Light Trucks 1/	0.59	0.59	0.60	0.61	0.61	0.61	0.62	0.63	0.64	0.65	0.65	0.66	0.68	
Bus Transportation	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	
Freight Trucks	4.70	4.77	4.90	5.02	5.11	5.22	5.34	5.47	5.60	5.72	5.82	5.92	6.02	
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	0.58	0.58	0.60	0.61	0.61	0.62	0.63	0.64	
Shipping, Domestic	0.26	0.26	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.30	
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	0.21	0.22	0.22	0.23	0.23	0.23	0.24	
Air	2.85	2.84	2.91	3.01	3.14	3.31	3.53	3.61	3.67	3.73	3.79	3.83	3.88	
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	0.67	0.68	0.69	0.70	0.71	0.72	0.72	
Total	27.92	28.05	28.36	28.66	29.02	29.51	30.11	30.68	31.27	31.84	32.38	32.93	33.47	
(million barrels per day oil equivalent)														
Light-Duty Vehicles	8.57	8.58	8.69	8.76	8.82	8.92	9.04	9.20	9.38	9.56	9.74	9.93	10.11	
Commercial Light Trucks 1/	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36	
Bus Transportation	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	
Freight Trucks	2.24	2.27	2.34	2.40	2.45	2.50	2.56	2.62	2.68	2.74	2.79	2.83	2.88	
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	0.28	0.29	0.29	0.30	0.30	0.30	
Shipping, Domestic	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	
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	0.12	0.12	0.12	0.12	0.13	0.13	
Air	1.38	1.37	1.41	1.46	1.52	1.60	1.71	1.74	1.78	1.81	1.83	1.85	1.88	

Table 7. Transportation Sector Key Indicators and Delivered Energy Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
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	0.34	0.34	0.35	0.35	0.36	0.36	0.37
Total	14.14	14.19	14.36	14.61	14.82	15.09	15.40	15.69	15.99	16.28	16.55	16.83	17.11

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
<b>Key Indicators</b>															
<b>Travel Indicators</b>															
(billion vehicle miles traveled)															
Light-Duty Vehicles < 8500 pounds	3372	3449	3524	3601	3677	3753	3830	3907	3985	4066	4151	4236	4322	4406	2.0%
Commercial Light Trucks 1/	86	88	89	91	93	95	97	99	101	103	105	107	109	112	2.1%
Freight Trucks > 10000 pounds	304	310	316	323	329	336	343	350	358	366	375	383	391	400	2.2%
(billion seat miles available)															
Air	1354	1378	1402	1414	1427	1440	1454	1467	1481	1494	1507	1521	1534	1547	1.7%
(billion ton miles traveled)															
Rail	1901	1907	1928	1952	1984	2012	2034	2058	2083	2113	2146	2181	2219	2253	1.4%
Domestic Shipping	718	726	738	739	742	747	749	750	754	758	766	768	772	775	0.9%
<b>Energy Efficiency Indicators</b>															
(miles per gallon)															
New Light-Duty Vehicle 2/	27.5	27.5	27.6	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.2	28.2	28.2	28.3	0.5%
New Car 2/	32.2	32.2	32.3	32.3	32.4	32.5	32.6	32.7	32.8	32.8	32.8	32.9	32.9	33.0	0.4%
New Light Truck 2/	24.6	24.7	24.8	24.9	25.0	25.1	25.3	25.4	25.5	25.6	25.7	25.8	25.8	25.9	0.7%
Light-Duty Stock 3/	20.8	20.9	21.0	21.1	21.2	21.3	21.3	21.4	21.5	21.5	21.6	21.7	21.8	21.8	0.4%
New Commercial Light Truck 1/	16.4	16.4	16.4	16.5	16.5	16.6	16.7	16.7	16.8	16.9	16.9	17.0	17.0	17.0	0.6%
Stock Commercial Light Truck 1/	15.8	15.9	16.0	16.1	16.1	16.2	16.3	16.4	16.4	16.5	16.6	16.6	16.7	16.7	0.7%
Freight Truck	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	0.4%
(seat miles per gallon)															
Aircraft	63.3	64.1	65.0	66.0	67.0	68.1	69.1	70.1	71.1	72.1	73.0	73.8	74.6	75.2	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%
<b>Energy Use by Mode</b>															
(quadrillion Btu)															
Light-Duty Vehicles	19.35	19.71	20.06	20.42	20.77	21.13	21.49	21.86	22.23	22.61	23.02	23.43	23.84	24.25	1.6%
Commercial Light Trucks 1/	0.68	0.69	0.70	0.71	0.72	0.74	0.75	0.76	0.77	0.79	0.80	0.81	0.83	0.84	1.4%
Bus Transportation	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.7%
Freight Trucks	6.09	6.15	6.23	6.33	6.42	6.52	6.62	6.74	6.88	7.02	7.17	7.31	7.45	7.60	1.9%
Rail, Passenger	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	1.0%
Rail, Freight	0.64	0.65	0.65	0.66	0.67	0.68	0.69	0.69	0.70	0.71	0.72	0.73	0.74	0.75	1.3%
Shipping, Domestic	0.30	0.30	0.30	0.30	0.30	0.31	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	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.29	1.7%
Air	3.93	3.97	4.01	4.02	4.02	4.03	4.03	4.04	4.04	4.05	4.07	4.08	4.11	4.13	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	0.80	0.80	0.80	0.5%
Lubricants	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	0.16	0.4%
Pipeline Fuel	0.72	0.76	0.81	0.81	0.81	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.83	0.83	1.5%
Total	34.00	34.52	35.07	35.56	36.05	36.54	37.04	37.57	38.12	38.70	39.32	39.91	40.53	41.15	1.5%
(million barrels per day oil equivalent)															
Light-Duty Vehicles	10.33	10.52	10.70	10.88	11.07	11.26	11.45	11.65	11.84	12.05	12.26	12.48	12.69	12.90	1.6%
Commercial Light Trucks 1/	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.45	0.45	1.5%
Bus Transportation	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.7%
Freight Trucks	2.92	2.95	2.98	3.03	3.07	3.12	3.17	3.23	3.29	3.36	3.43	3.50	3.57	3.64	1.9%
Rail, Passenger	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.1%
Rail, Freight	0.31	0.31	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.36	1.3%
Shipping, Domestic	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	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	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	1.8%
Air	1.90	1.92	1.94	1.94	1.95	1.95	1.95	1.95	1.96	1.96	1.97	1.98	1.99	2.00	1.5%

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
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	0.36	0.39	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.42	0.42	0.42	1.5%
Total	17.39	17.66	17.94	18.19	18.44	18.70	18.96	19.23	19.51	19.81	20.12	20.43	20.74	21.06	1.6%

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](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 lp2007.d112106a.