

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

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
<b>Key Indicators</b>											
Level of Travel (billions)											
Light-Duty Vehicles <8500 lbs. (VMT)	2485	2504	2552	2638	2709	2776	2841	2906	2972	3041	3112
Commercial Light Trucks (VMT) 1/	64	65	65	67	70	71	73	75	77	79	81
Freight Trucks >10000 lbs. (VMT)	201	196	197	205	213	219	225	230	236	242	249
Air (seat miles available)	953	909	906	930	958	987	1014	1048	1081	1122	1159
Rail (ton miles traveled)	1417	1336	1334	1368	1402	1445	1474	1492	1521	1545	1582
Domestic Shipping (ton miles traveled)	774	724	716	731	749	763	776	787	796	805	816
<b>Energy Efficiency</b>											
New Light-Duty Vehicle (MPG) 2/	24.0	23.8	24.0	24.0	24.1	24.8	25.2	25.0	25.1	25.3	25.4
New Car (MPG) 2/	28.2	28.2	28.5	28.4	28.3	28.5	28.4	28.2	28.4	28.8	29.0
New Light Truck (MPG) 2/	20.5	20.5	20.6	20.8	21.0	22.0	22.8	22.5	22.6	22.8	22.9
Light-Duty Fleet (MPG) 3/	19.8	19.7	19.6	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.7
New Commercial Light Truck (MPG) 1/	13.9	13.9	14.0	13.9	14.0	14.7	15.2	15.0	15.1	15.1	15.2
Stock Commercial Light Truck (MPG) 1/	13.7	13.8	13.9	13.9	13.9	14.0	14.2	14.3	14.4	14.5	14.6
Aircraft (seat miles per gallon)	55.3	54.8	56.7	57.1	57.6	57.9	58.3	58.8	59.3	59.9	60.5
Freight Truck (MPG)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Rail (ton miles/thousand Btu)	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1
Domestic Shipping (ton miles per thousand Btu)	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	15.16	15.58	15.91	16.47	16.96	17.38	17.76	18.15	18.52	18.91	19.29
Commercial Light Trucks 1/	0.58	0.59	0.58	0.60	0.62	0.64	0.65	0.66	0.67	0.68	0.70
Bus Transportation	0.25	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26
Freight Trucks	4.22	4.09	4.11	4.26	4.42	4.55	4.67	4.78	4.89	5.03	5.16
Rail, Passenger	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13
Rail, Freight	0.50	0.47	0.46	0.47	0.48	0.49	0.49	0.49	0.50	0.50	0.51
Shipping, Domestic	0.34	0.32	0.31	0.32	0.32	0.33	0.34	0.34	0.34	0.35	0.35
Shipping, International	0.77	0.64	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72
Recreational Boats	0.30	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34
Air	2.97	2.84	2.72	2.79	2.89	2.99	3.08	3.17	3.25	3.35	3.43
Military Use	0.62	0.66	0.72	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78
Lubricants	0.19	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22
Pipeline Fuel	0.64	0.65	0.68	0.67	0.67	0.66	0.67	0.67	0.68	0.69	0.70
Total	26.67	26.70	27.06	27.91	28.71	29.41	30.02	30.65	31.27	31.93	32.57
million barrels per day oil equivalent											
Light-Duty Vehicles	7.98	8.20	8.37	8.67	8.93	9.16	9.35	9.56	9.75	9.96	10.15
Commercial Light Trucks 1/	0.31	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.37
Bus Transportation	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Freight Trucks	2.00	1.94	1.95	2.02	2.09	2.15	2.21	2.26	2.31	2.38	2.44
Rail, Passenger	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Rail, Freight	0.24	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24

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

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Shipping, Domestic	0.16	0.15	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16
Shipping, International	0.34	0.28	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32
Recreational Boats	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18
Air	1.44	1.38	1.32	1.35	1.40	1.45	1.49	1.53	1.57	1.62	1.66
Military Use	0.30	0.32	0.34	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37
Lubricants	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
Pipeline Fuel	0.32	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35
Total	13.50	13.54	13.73	14.16	14.57	14.93	15.24	15.55	15.87	16.20	16.52

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

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Key Indicators</b>											
Level of Travel (billions)											
Light-Duty Vehicles <8500 lbs. (VMT)	3187	3267	3339	3409	3479	3549	3621	3694	3768	3843	3919
Commercial Light Trucks (VMT) 1/	83	85	88	90	92	94	97	99	101	103	106
Freight Trucks >10000 lbs. (VMT)	255	263	269	276	283	291	298	305	313	319	327
Air (seat miles available)	1204	1248	1294	1327	1356	1386	1411	1435	1455	1473	1489
Rail (ton miles traveled)	1610	1638	1664	1690	1731	1761	1788	1819	1852	1884	1926
Domestic Shipping (ton miles traveled)	826	838	847	857	865	877	895	908	918	925	934
<b>Energy Efficiency</b>											
New Light-Duty Vehicle (MPG) 2/	25.6	25.7	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7
New Car (MPG) 2/	29.3	29.5	29.7	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6
New Light Truck (MPG) 2/	23.1	23.2	23.4	23.5	23.7	23.8	23.9	24.0	24.1	24.3	24.4
Light-Duty Fleet (MPG) 3/	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7
New Commercial Light Truck (MPG) 1/	15.3	15.4	15.5	15.6	15.7	15.8	15.9	15.9	16.0	16.1	16.2
Stock Commercial Light Truck (MPG) 1/	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7
Aircraft (seat miles per gallon)	61.2	62.0	62.7	63.3	63.9	64.3	64.7	65.1	65.4	65.7	66.0
Freight Truck (MPG)	6.0	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4
Rail (ton miles/thousand Btu)	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.5
Domestic Shipping (ton miles per thousand Btu)	2.3	2.3	2.3	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	19.68	20.09	20.43	20.75	21.07	21.38	21.69	22.01	22.34	22.69	23.05
Commercial Light Trucks 1/	0.71	0.72	0.74	0.75	0.76	0.78	0.79	0.80	0.82	0.83	0.84
Bus Transportation	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Freight Trucks	5.28	5.41	5.52	5.62	5.73	5.84	5.95	6.04	6.15	6.25	6.37
Rail, Passenger	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16
Rail, Freight	0.51	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55
Shipping, Domestic	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.39
Shipping, International	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Recreational Boats	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37
Air	3.52	3.61	3.70	3.76	3.82	3.89	3.96	4.03	4.09	4.14	4.19
Military Use	0.78	0.79	0.79	0.79	0.80	0.80	0.81	0.81	0.81	0.81	0.82
Lubricants	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26
Pipeline Fuel	0.71	0.72	0.72	0.72	0.72	0.72	0.77	0.82	0.83	0.83	0.82
Total	33.23	33.90	34.47	35.00	35.50	36.05	36.63	37.19	37.73	38.26	38.83
million barrels per day oil equivalent											
Light-Duty Vehicles	10.36	10.57	10.75	10.92	11.08	11.24	11.41	11.57	11.74	11.92	12.11
Commercial Light Trucks 1/	0.37	0.38	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.44	0.45
Bus Transportation	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Freight Trucks	2.50	2.56	2.61	2.66	2.71	2.76	2.81	2.85	2.91	2.95	3.01
Rail, Passenger	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08
Rail, Freight	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.26

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

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Shipping, Domestic	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18
Shipping, International	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Recreational Boats	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20
Air	1.70	1.74	1.79	1.82	1.85	1.88	1.92	1.95	1.98	2.00	2.03
Military Use	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39
Lubricants	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12
Pipeline Fuel	0.36	0.36	0.36	0.36	0.36	0.37	0.39	0.42	0.42	0.42	0.42
Total	16.86	17.20	17.49	17.75	18.01	18.28	18.58	18.86	19.13	19.40	19.68

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

	2023	2024	2025	2002- 2025
<b>Key Indicators</b>				
Level of Travel (billions)				
Light-Duty Vehicles <8500 lbs. (VMT)	3999	4083	4173	2.2%
Commercial Light Trucks (VMT) 1/	108	111	114	2.5%
Freight Trucks >10000 lbs. (VMT)	336	345	354	2.6%
Air (seat miles available)	1501	1514	1521	2.3%
Rail (ton miles traveled)	1975	2013	2056	1.9%
Domestic Shipping (ton miles traveled)	949	964	977	1.3%
<b>Energy Efficiency</b>				
New Light-Duty Vehicle (MPG) 2/				
New Car (MPG) 2/	30.7	30.7	30.8	0.4%
New Light Truck (MPG) 2/	24.5	24.6	24.7	0.8%
Light-Duty Fleet (MPG) 3/				
New Commercial Light Truck (MPG) 1/	16.3	16.3	16.4	0.7%
Stock Commercial Light Truck (MPG) 1/	15.7	15.8	15.9	0.6%
Aircraft (seat miles per gallon)	66.3	66.7	67.0	0.9%
Freight Truck (MPG)	6.5	6.5	6.5	0.4%
Rail (ton miles/thousand Btu)	3.5	3.6	3.6	1.0%
Domestic Shipping (ton miles per thousand Btu)	2.4	2.4	2.4	0.2%
<b>Energy Use by Mode</b>				
quadrillion Btu				
Light-Duty Vehicles	23.43	23.83	24.28	1.9%
Commercial Light Trucks 1/	0.86	0.88	0.90	1.9%
Bus Transportation	0.26	0.26	0.26	0.4%
Freight Trucks	6.51	6.65	6.82	2.2%
Rail, Passenger	0.17	0.17	0.17	1.8%
Rail, Freight	0.56	0.57	0.57	0.9%
Shipping, Domestic	0.40	0.40	0.41	1.1%
Shipping, International	0.73	0.74	0.74	0.6%
Recreational Boats	0.38	0.38	0.39	0.9%
Air	4.23	4.27	4.30	1.8%
Military Use	0.82	0.82	0.82	0.9%
Lubricants	0.27	0.27	0.28	1.5%
Pipeline Fuel	0.84	0.85	0.86	1.2%
Total	39.44	40.09	40.79	1.9%
million barrels per day oil equivalent				
Light-Duty Vehicles	12.31	12.52	12.75	1.9%
Commercial Light Trucks 1/	0.45	0.46	0.47	1.9%
Bus Transportation	0.12	0.12	0.12	0.4%
Freight Trucks	3.08	3.14	3.22	2.2%
Rail, Passenger	0.08	0.08	0.08	1.8%
Rail, Freight	0.26	0.27	0.27	0.9%

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

	2023	2024	2025	2002-2025
Shipping, Domestic	0.18	0.19	0.19	1.1%
Shipping, International	0.32	0.32	0.32	0.6%
Recreational Boats	0.20	0.20	0.20	0.9%
Air	2.05	2.07	2.08	1.8%
Military Use	0.39	0.39	0.39	0.9%
Lubricants	0.13	0.13	0.13	1.5%
Pipeline Fuel	0.42	0.43	0.43	1.2%
Total	20.00	20.33	20.68	1.9%