Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology
(trillion Btu)

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Cars 1/														
Conventional Gasoline	737.12	722.51	695.28	693.80	709.60	714.93	706.90	684.23	665.10	648.39	636.31	627.92	619.13	611.53
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Methanol														
Flex	0.26	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol														
Flex	30.95	38.88	41.64	42.56	43.53	44.15	44.19	43.44	42.60	41.59	40.71	40.03	39.43	38.90
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compressed Natural Gas Bi-fuel	4.40	5.34	6.25	6.83	7.05	7.22	7.33	7.28	7.15	6.99	6.84	6.71	6.61	6.53
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquefied Petroleum Gas Bi-fuel	0.00	0.00	25.89	27.89	28.38	28.63	28.67	28.28	27.74	27.07	26.44	25.91	25.48	25.15
Electric	1.00	1.15	1.20	1.11	1.04	0.98	0.92	0.88	0.85	0.84	0.83	0.82	0.81	0.81
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cell														
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Fleet Cars	773.72	768.02	770.28	772.19	789.61	795.92	788.01	764.12	743.45	724.88	711.13	701.39	691.46	682.91
Light Trucks 1/														
Conventional Gasoline	683.09	633.79	570.63	548.10	543.49	537.58	533.97	537.38	552.18	564.33	573.86	581.70	587.12	592.58
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Methanol														
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ethanol														
Flex	37.77	50.20	61.78	62.60	61.51	60.43	59.56	59.68	61.07	62.48	63.54	64.40	64.99	65.56
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Compressed Natural Gas Bi-fuel	17.84	20.79	23.55	22.62	22.57	22.42	22.32	22.49	23.10	23.61	24.00	24.33	24.58	24.82
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquefied Petroleum Gas Bi-fuel	51.37	63.83	75.72	74.45	73.82	73.11	72.66	73.14	75.15	76.88	78.23	79.34	80.11	80.90
Electric	1.35	1.68	1.95	1.95	1.82	1.68	1.56	1.49	1.48	1.51	1.55	1.58	1.61	1.63
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cell														
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Fleet Light Trucks	791.43	770.28	733.64	709.71	703.22	695.20	690.07	694.17	712.98	728.80	741.18	751.35	758.40	765.49
Total Fleet Vehicles	1565.15	1538.30	1503.92	1481.90	1492.83	1491.12	1478.08	1458.29	1456.43	1453.68	1452.31	1452.74	1449.86	1448.40
Commercial Light Trucks 2/	588.72	610.71	619.50	626.87	634.37	642.68	649.84	657.55	666.32	674.70	682.69	692.04	701.74	711.32

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology
(trillion Btu)

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Cars 1/															
Conventional Gasoline	605.44	602.11	600.01	599.04	598.28	597.87	599.81	601.89	604.55	607.88	611.37	614.85	618.55	622.28	-0.6%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol															
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol															
Flex	38.43	38.11	37.87	37.73	37.62	37.54	37.61	37.71	37.85	38.03	38.23	38.44	38.66	38.89	0.0%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Compressed Natural Gas Bi-fuel	6.46	6.41	6.37	6.36	6.35	6.34	6.37	6.39	6.42	6.46	6.49	6.53	6.58	6.62	0.8%
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Liquefied Petroleum Gas Bi-fuel	24.85	24.62	24.46	24.37	24.30	24.26	24.32	24.40	24.50	24.63	24.76	24.90	25.05	25.21	N/A
Electric	0.80	0.80	0.80	0.80	0.80	0.80	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.85	-1.2%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell															
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	675.98	672.05	669.51	668.30	667.34	666.82	668.91	671.20	674.14	677.82	681.69	685.56	689.68	693.84	-0.4%
Light Trucks 1/															
Conventional Gasoline	598.23	604.86	611.23	618.16	625.34	632.70	639.18	646.47	654.87	664.23	674.36	684.55	695.02	705.67	0.4%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol															
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol															
Flex	66.15	66.85	67.52	68.25	69.01	69.80	70.49	71.26	72.14	73.13	74.22	75.32	76.46	77.62	1.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Compressed Natural Gas Bi-fuel	25.08	25.38	25.68	26.00	26.34	26.70	27.01	27.36	27.76	28.20	28.67	29.15	29.64	30.14	1.4%
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Liquefied Petroleum Gas Bi-fuel	81.72	82.67	83.58	84.58	85.62	86.70	87.65	88.70	89.91	91.25	92.69	94.15	95.65	97.18	1.6%
Electric	1.66	1.69	1.72	1.75	1.78	1.81	1.84	1.88	1.91	1.95	1.98	2.02	2.06	2.09	0.9%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell															
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	772.83	781.44	789.73	798.74	808.10	817.71	826.17	835.67	846.58	858.76	871.93	885.20	898.82	912.70	0.7%
Total Fleet Vehicles	1448.81	1453.49	1459.25	1467.04	1475.44	1484.53	1495.09	1506.88	1520.72	1536.58	1553.62	1570.76	1588.50	1606.55	0.2%
Commercial Light Trucks 2/	721.60	731.88	740.84	749.62	758.62	767.95	777.65	788.28	800.02	812.55	825.01	837.09	849.95	863.96	1.3%

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology
(trillion Btu)

1/ Includes all fleets of 10 or more.
2/ Commercial trucks from 8,500 to 10,000 pounds.
ICE = Internal combustion engine.
N/A = Not Applicable.
Sources: 2003 and 2004 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 2003 (Washington, DC, December 2004); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, prepared for the Energy Information Administration (EIA) (April 23, 1997); and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.