

Report Scenario Datekey Release Date  
 An Updated Reference Case Reflecting Provisions of the American Recovery and Reinvestment Act  
 Reference Case with ARRA  
 d041409a  
 April 2009

Table 10. Energy Consumption by Sector and Source  
 (quadrillion Btu, unless otherwise noted)  
 United States

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>Residential</b>																										
Liquefied Petroleum Gas	0.49	0.50	0.51	0.51	0.50	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.51	0.51	0.51	0.51
Kerosene	0.07	0.08	0.08	0.09	0.08	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Distillate Fuel Oil	0.71	0.78	0.76	0.80	0.77	0.73	0.71	0.69	0.67	0.65	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.54	0.53	0.52	0.51	0.51	0.50
Liquid Fuels Subtotal	1.27	1.36	1.35	1.40	1.35	1.30	1.27	1.24	1.22	1.20	1.18	1.17	1.15	1.15	1.14	1.13	1.13	1.12	1.12	1.11	1.11	1.10	1.10	1.09	1.09	
Natural Gas	4.49	4.86	5.06	5.00	5.06	4.89	4.90	4.90	4.93	4.94	4.97	4.97	4.97	4.98	4.99	4.98	4.99	5.01	5.04	5.05	5.05	5.05	5.05	5.02	5.01	
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Renewable Energy 1/	0.39	0.43	0.49	0.47	0.42	0.39	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	
Electricity	4.61	4.75	4.73	4.74	4.79	4.82	4.83	4.77	4.78	4.80	4.84	4.88	4.93	4.99	5.04	5.08	5.13	5.20	5.29	5.36	5.44	5.51	5.58	5.62	5.67	
Delivered Energy	10.77	11.40	11.65	11.63	11.62	11.41	11.42	11.34	11.36	11.39	11.46	11.48	11.53	11.59	11.66	11.68	11.74	11.82	11.95	12.01	12.10	12.16	12.24	12.24	12.28	
Electricity Related Losses	10.00	10.36	10.14	10.28	10.43	10.52	10.57	10.40	10.38	10.39	10.46	10.53	10.62	10.73	10.82	10.86	10.93	11.02	11.14	11.22	11.33	11.46	11.59	11.67	11.73	
Total	20.77	21.76	21.79	21.91	22.05	21.93	21.99	21.75	21.75	21.78	21.91	22.01	22.15	22.32	22.48	22.54	22.67	22.84	23.09	23.23	23.43	23.62	23.82	23.91	24.01	
<b>Commercial</b>																										
Liquefied Petroleum Gas	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Motor Gasoline 2/	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Kerosene	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Distillate Fuel Oil	0.40	0.41	0.38	0.38	0.38	0.38	0.37	0.36	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	
Residual Fuel Oil	0.08	0.08	0.07	0.06	0.09	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
Liquid Fuels Subtotal	0.63	0.63	0.59	0.58	0.62	0.61	0.61	0.59	0.59	0.58	0.58	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	
Natural Gas	2.92	3.10	3.22	3.20	3.27	3.23	3.23	3.25	3.27	3.29	3.30	3.31	3.32	3.32	3.32	3.32	3.34	3.37	3.40	3.44	3.46	3.48	3.50	3.51	3.53	
Coal	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
Renewable Energy 3/	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
Electricity	4.43	4.58	4.63	4.59	4.78	4.86	4.92	4.98	5.06	5.14	5.22	5.30	5.38	5.46	5.53	5.60	5.68	5.76	5.85	5.94	6.03	6.12	6.20	6.28	6.36	
Delivered Energy	8.17	8.50	8.64	8.55	8.86	8.89	8.94	9.01	9.11	9.20	9.29	9.38	9.46	9.54	9.61	9.69	9.78	9.89	10.01	10.15	10.26	10.37	10.47	10.56	10.66	
Electricity Related Losses	9.62	9.99	9.93	9.95	10.43	10.62	10.86	10.99	11.13	11.29	11.46	11.60	11.73	11.87	11.99	12.09	12.20	12.32	12.44	12.58	12.74	12.89	13.05	13.16	13.28	
Total	17.79	18.49	18.56	18.50	19.29	19.51	19.70	19.87	20.09	20.33	20.59	20.83	21.05	21.28	21.49	21.68	21.86	22.09	22.33	22.59	22.84	23.11	23.35	23.61	23.82	
<b>Industrial 4/</b>																										
Liquefied Petroleum Gas	2.33	2.35	2.24	1.96	1.86	1.87	1.91	1.96	1.92	1.85	1.80	1.78	1.75	1.71	1.72	1.69	1.68	1.68	1.68	1.66	1.63	1.59	1.55	1.51	1.44	
Motor Gasoline 2/	0.36	0.36	0.35	0.35	0.34	0.35	0.36	0.35	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35		
Distillate Fuel Oil	1.26	1.28	1.20	1.17	1.15	1.20	1.22	1.22	1.22	1.19	1.19	1.19	1.19	1.19	1.20	1.19	1.19	1.18	1.18	1.19	1.20	1.21	1.22	1.22	1.23	
Residual Fuel Oil	0.24	0.25	0.22	0.19	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15		
Petrochemical Feedstocks	1.42	1.30	1.11	1.05	1.05	1.06	1.09	1.13	1.11	1.08	1.06	1.06	1.05	1.05	1.05	1.05	1.04	1.03	1.02	1.01	0.99	0.96	0.93	0.91		
Other Petroleum 5/	4.51	4.42	4.13	3.99	3.77	3.89	3.90	3.91	3.92	3.85	3.83	3.78	3.76	3.78	3.77	3.74	3.66	3.65	3.62	3.66	3.67	3.64	3.64	3.70		
Liquid Fuels Subtotal	10.13	9.96	9.24	8.71	8.34	8.53	8.64	8.74	8.64	8.47	8.39	8.30	8.24	8.23	8.24	8.17	8.07	8.04	8.01	8.03	8.00	7.90	7.84	7.84		
Natural Gas	6.68	6.82	6.83	6.51	6.16	6.43	6.63	6.76	6.69	6.62	6.58	6.57	6.56	6.53	6.54	6.56	6.60	6.64	6.69	6.68	6.66	6.70	6.66	6.50		
Natural-Gas-to-Liquids H/	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Lease and Plant Fuel 6/	1.16	1.20	1.32	1.31	1.28	1.24	1.28	1.23	1.21	1.20	1.20	1.20	1.21	1.22	1.23	1.24	1.28	1.34	1.36	1.39	1.40	1.42	1.42	1.44		
Natural Gas Subtotal	7.83	8.02	8.15	7.82	7.44	7.69	7.87	7.98	7.90	7.82	7.78	7.77	7.77	7.75	7.77	7.80	7.88	7.98	8.05	8.07	8.07	8.12	8.08	7.93		
Metallurgical Coal	0.60	0.60	0.60	0.54	0.51	0.53	0.54	0.54	0.54	0.52	0.51	0.51	0.51	0.50	0.49	0.49	0.48	0.47	0.46	0.45	0.45	0.43	0.41	0.40		
Other Industrial Coal	1.25	1.21	1.19	1.00	1.00	1.03	1.06	1.09	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.10	1.10	1.09		
Coal-to-Liquids Heat and Net Coal Imports	0.06	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.16	0.17	0.18	0.20	0.21	0.23	0.25	0.26	0.28	0.30	0.32	0.35	0.37	0.39	0.41	0.43		
Coal Subtotal	1.92	1.83	1.84	1.45	1.52	1.57	1.64	1.71	1.81	1.80	1.80	1.82	1.83	1.84	1.85	1.86	1.87	1.89	1.91	1.92	1.92	1.93	1.93	1.93		
Biofuels Heat and Coprod	0.30	0.40	0.87	0.66	0.76	0.85	0.84	0.84	0.84	0.85	0.89	0.93	0.99	1.07	1.23	1.37	1.56	1.64	1.61	1.63	1.66	1.71	1.79	1.89		
Renewable Energy 7/	1.70	1.64	1.66	1.56	1.57	1.57	1.57	1.57	1.55	1.56	1.59	1.61	1.63	1.65	1.68	1.70	1.73	1.76	1.79	1.82	1.85	1.88	1.90	1.92		
Electricity	3.45	3.43	3.32	3.12	3.16	3.25	3.35	3.42	3.42	3.41	3.41	3.43	3.46	3.47	3.48	3.48	3.47	3.49	3.50	3.50	3.48	3.46	3.43	3.40		

Delivered Energy	25.33	25.29	25.09	23.33	22.79	23.47	23.90	24.26	24.16	23.92	23.86	23.86	23.93	24.00	24.24	24.39	24.59	24.79	24.88	24.97	24.98	25.03	24.97	24.91	24.89
Electricity Related Losses	7.48	7.48	7.11	6.77	6.89	7.10	7.32	7.46	7.43	7.37	7.37	7.42	7.46	7.46	7.48	7.45	7.40	7.38	7.37	7.33	7.26	7.20	7.12	7.05	6.96
Total	32.81	32.77	32.20	30.10	29.68	30.57	31.22	31.72	31.58	31.29	31.23	31.28	31.39	31.46	31.72	31.84	31.98	32.17	32.24	32.30	32.24	32.23	32.09	31.96	31.86
Transportation																									
Liquefied Petroleum Gas	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
EB5 8/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.25	0.39	0.55	0.75	0.88	1.19	1.18	1.13	1.19	1.22	1.50	1.57	1.70
Motor Gasoline 2/	17.22	17.29	16.76	16.57	17.11	17.52	17.48	17.35	17.19	16.94	16.65	16.42	16.13	15.93	15.68	15.50	15.16	15.17	15.24	15.22	15.22	15.00	14.99	14.82	14.87
Jet Fuel 9/	3.22	3.23	3.15	3.12	3.01	2.93	2.94	2.96	3.00	3.05	3.09	3.15	3.23	3.30	3.38	3.45	3.51	3.58	3.64	3.71	3.77	3.83	3.89	3.95	4.02
Distillate Fuel Oil 10/	6.41	6.48	6.24	6.08	6.11	6.24	6.45	6.61	6.68	6.72	6.81	6.92	7.03	7.13	7.24	7.34	7.44	7.57	7.72	7.85	7.98	8.11	8.24	8.36	8.52
Residual Fuel Oil	0.91	0.95	0.89	0.84	0.89	0.95	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99
Liquid 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Petroleum 11/	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Liquid Fuels Subtotal	27.96	28.14	27.24	26.79	27.30	27.83	28.01	28.07	28.02	27.93	27.89	27.89	27.94	28.07	28.20	28.32	28.47	28.67	28.90	29.14	29.38	29.62	29.87	30.03	30.34
Pipeline Fuel Natural Gas	0.60	0.64	0.64	0.65	0.63	0.63	0.62	0.62	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Compressed Natural Gas	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
Electricity	0.02	0.02	0.02	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	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Delivered Energy	28.60	28.82	27.93	27.49	27.99	28.51	28.69	28.75	28.70	28.62	28.58	28.59	28.64	28.78	28.92	29.04	29.23	29.47	29.71	29.95	30.20	30.45	30.70	30.85	31.17
Electricity Related Losses	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	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10
Total	28.65	28.87	27.98	27.54	28.04	28.56	28.74	28.80	28.76	28.68	28.64	28.65	28.71	28.85	28.99	29.11	29.30	29.55	29.79	30.04	30.28	30.54	30.80	30.95	31.27

Delivered Energy Consumption, All Sectors

Liquefied Petroleum Gas	2.93	2.95	2.86	2.58	2.47	2.47	2.51	2.55	2.50	2.44	2.39	2.36	2.33	2.30	2.31	2.29	2.28	2.28	2.28	2.27	2.24	2.20	2.17	2.13	2.07
EB5 8/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.25	0.39	0.55	0.75	0.88	1.19	1.18	1.13	1.19	1.22	1.50	1.57	1.70	1.75
Motor Gasoline 2/	17.62	17.70	17.16	16.97	17.49	17.92	17.88	17.76	17.58	17.33	17.04	16.81	16.52	16.33	16.07	15.89	15.55	15.56	15.63	15.62	15.62	15.40	15.39	15.23	15.27
Jet Fuel 9/	3.22	3.23	3.15	3.12	3.01	2.93	2.94	2.96	3.00	3.05	3.09	3.15	3.23	3.30	3.38	3.45	3.51	3.58	3.64	3.71	3.77	3.83	3.89	3.95	4.02
Kerosene	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Distillate Fuel Oil	8.79	8.94	8.59	8.43	8.41	8.55	8.76	8.88	8.89	8.91	8.98	9.07	9.17	9.25	9.35	9.44	9.53	9.65	9.79	9.93	10.06	10.18	10.31	10.43	10.58
Residual Fuel Oil	1.22	1.28	1.18	1.09	1.16	1.19	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.22	1.23	1.23	1.23
Petrochemical Feedstocks	1.42	1.30	1.11	1.05	1.05	1.06	1.09	1.13	1.11	1.08	1.06	1.06	1.05	1.05	1.05	1.05	1.04	1.03	1.02	1.01	0.99	0.96	0.93	0.91	0.88
Liquid 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Petroleum 12/	4.66	4.57	4.28	4.14	3.92	4.04	4.05	4.07	4.07	4.01	3.98	3.94	3.92	3.94	3.93	3.92	3.82	3.81	3.79	3.82	3.83	3.80	3.80	3.87	3.87
Liquid Fuels Subtotal	39.98	40.08	38.43	37.49	37.61	38.27	38.52	38.64	38.47	38.19	38.03	37.93	37.91	38.01	38.15	38.20	38.24	38.41	38.61	38.87	39.06	39.21	39.40	39.54	39.77
Natural Gas	14.11	14.80	15.14	14.73	14.52	14.58	14.79	14.95	14.93	14.90	14.91	14.91	14.91	14.89	14.92	14.93	14.99	15.09	15.20	15.24	15.26	15.31	15.28	15.12	15.13
Natural-Gas-to-Liquids H/	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lease and Plant Fuel 6/	1.16	1.20	1.32	1.31	1.28	1.26	1.24	1.23	1.21	1.20	1.20	1.20	1.20	1.20	1.22	1.23	1.24	1.28	1.34	1.36	1.39	1.40	1.42	1.42	1.44
Pipeline Natural Gas	0.60	0.64	0.64	0.65	0.63	0.63	0.62	0.62	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.65	0.69	0.70	0.69	0.70	0.71	0.70	0.70
Natural Gas Subtotal	15.87	16.64	17.10	16.69	16.43	16.47	16.66	16.79	16.75	16.71	16.71	16.72	16.74	16.73	16.77	16.79	16.93	17.12	17.27	17.32	17.36	17.44	17.41	17.24	17.27
Metallurgical Coal	0.60	0.60	0.60	0.54	0.51	0.53	0.54	0.54	0.54	0.52	0.51	0.51	0.51	0.50	0.49	0.48	0.48	0.47	0.47	0.46	0.45	0.43	0.41	0.40	0.39
Other Coal	1.33	1.28	1.27	1.07	1.07	1.10	1.14	1.16	1.18	1.17	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.17	1.16	1.16
Coal-to-Liquids Heat and Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.16	0.17	0.18	0.20	0.21	0.23	0.25	0.26	0.28	0.30	0.32	0.35	0.37	0.39	0.41	0.43	0.46
Coal Subtotal	1.99	1.91	1.92	1.52	1.60	1.64	1.71	1.78	1.88	1.87	1.87	1.89	1.90	1.91	1.93	1.94	1.95	1.96	1.98	1.99	2.00	2.00	2.00	2.00	2.01
Biofuels Heat and Coprod	0.30	0.40	0.87	0.66	0.76	0.85	0.84	0.84	0.84	0.85	0.89	0.93	0.99	1.07	1.23	1.37	1.56	1.64	1.61	1.63	1.66	1.75	1.79	1.89	1.94
Renewable Energy 13/	2.21	2.19	2.28	2.16	2.11	2.09	2.10	2.11	2.10	2.13	2.16	2.19	2.22	2.25	2.28	2.30	2.33	2.37	2.40	2.44	2.47	2.50	2.52	2.54	2.57
Electricity	12.52	12.79	12.71	12.48	12.75	12.95	13.13	13.20	13.29	13.38	13.50	13.64	13.79	13.94	14.08	14.19	14.32	14.49	14.67	14.83	14.99	15.13	15.25	15.34	15.45
Delivered Energy	72.87	74.01	73.30	71.00	71.26	72.27	72.96	73.36	73.33	73.13	73.18	73.30	73.56	73.91	74.43	74.79	75.33	75.98	76.55	77.08	77.54	78.02	78.37	78.56	79.00
Electricity Related Losses	27.15	27.88	27.22	27.05	27.80	28.29	28.69	28.78	28.85	28.94	29.18	29.47	29.74	29.98	30.24	30.37	30.49	30.67	30.91	31.07	31.25	31.49	31.69	31.87	31.96
Total	100.02	101.90	100.53	98.05	99.06	100.56	101.65	102.15	102.18	102.08	102.37	102.77	103.30	103.90	104.67	105.17	105.82	106.65	107.45	108.15	108.79	109.50	110.06	110.43	110.95

Electric Power 14/

Distillate Fuel Oil	0.10	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13
Residual Fuel Oil	0.54	0.56	0.38	0.37	0.49	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Liquid Fuels Subtotal	0.65	0.67	0.48	0.48	0.60	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53
Natural Gas	6.39	7.06	6.58	6.49	6.07	5.58	5.05	4.90	4.84	4.92	4.98	5.05	5.17	5.29	5.36	5.48	5.65	5.95	6.26	6.56	6.70	6.82	6.84	6.83	6.88
Steam Coal	20.46	20.84	20.45	19.96	20.67	21.74	21.87	21.87	21.87	21.82	22.04	22.20	22.34	22.37	22.43	22.40	22.39	22.41	22.46	22.46	22.46	22.75	22.96	23.19	23.42
Nuclear Power	8.																								

Liquefied Petroleum Gas	2.93	2.95	2.86	2.58	2.47	2.47	2.51	2.55	2.50	2.44	2.39	2.36	2.33	2.30	2.31	2.29	2.28	2.28	2.27	2.24	2.20	2.17	2.13	2.07	
E85 8/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.25	0.39	0.55	0.75	0.88	1.19	1.18	1.19	1.22	1.50	1.57	1.70	1.75	
Motor Gasoline 2/	17.62	17.70	17.16	16.97	17.49	17.92	17.88	17.76	17.58	17.33	17.04	16.81	16.52	16.30	16.07	15.89	15.55	15.63	15.62	15.62	15.40	15.39	15.23	15.27	
Jet Fuel 9/	3.22	3.23	3.15	3.12	3.01	2.93	2.94	2.96	3.00	3.05	3.09	3.15	3.23	3.30	3.38	3.45	3.51	3.58	3.64	3.71	3.77	3.83	3.95	4.02	
Kerosene	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
Distillate Fuel Oil	8.89	9.05	8.69	8.53	8.52	8.67	8.87	9.00	9.01	9.03	9.10	9.19	9.29	9.38	9.48	9.56	9.65	9.78	9.91	10.06	10.19	10.31	10.43	10.56	10.71
Residual Fuel Oil	1.77	1.84	1.55	1.47	1.65	1.57	1.58	1.57	1.58	1.57	1.57	1.57	1.58	1.59	1.60	1.60	1.61	1.61	1.61	1.62	1.62	1.63	1.63	1.63	
Petrochemical Feedstocks	1.42	1.30	1.11	1.05	1.06	1.06	1.09	1.13	1.11	1.08	1.06	1.06	1.05	1.05	1.05	1.05	1.04	1.03	1.02	1.01	0.99	0.96	0.93	0.88	
Liquid 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Other Petroleum 12/	4.66	4.07	4.28	4.14	3.92	4.04	4.05	4.07	4.07	4.04	3.98	3.94	3.92	3.94	3.93	3.90	3.82	3.81	3.79	3.82	3.83	3.80	3.80	3.87	3.87
Liquid Fuels Subtotal	40.63	40.75	38.91	37.97	38.21	38.76	39.02	39.13	38.96	38.68	38.53	38.43	38.41	38.53	38.67	38.72	38.76	38.93	39.13	39.39	39.58	39.73	39.93	40.07	40.30
Natural Gas	20.50	21.86	21.72	21.22	20.59	20.16	19.84	19.85	19.77	19.82	19.88	19.96	20.08	20.18	20.28	20.41	20.64	21.03	21.46	21.79	21.96	22.13	22.19	22.02	22.02
Natural-Gas-to-Liquids H/	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lease and Plant Fuel 6/	1.16	1.20	1.32	1.31	1.28	1.26	1.24	1.23	1.21	1.20	1.20	1.20	1.21	1.22	1.23	1.24	1.28	1.34	1.36	1.40	1.42	1.42	1.42	1.44	1.44
Pipeline Natural Gas	0.60	0.64	0.64	0.65	0.63	0.63	0.62	0.62	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.65	0.69	0.70	0.69	0.70	0.71	0.71	0.70	0.70
Natural Gas Subtotal	22.26	23.70	23.68	23.18	22.50	22.05	21.70	21.69	21.59	21.63	21.69	21.77	21.91	22.02	22.13	22.26	22.58	23.06	23.53	23.88	24.06	24.26	24.13	24.36	24.58
Metallurgical Coal	0.60	0.60	0.60	0.54	0.51	0.53	0.54	0.54	0.54	0.52	0.51	0.51	0.51	0.50	0.49	0.49	0.48	0.47	0.47	0.46	0.45	0.43	0.41	0.40	0.39
Other Coal	21.79	22.12	21.72	21.03	21.75	22.38	22.87	23.03	23.04	22.99	23.21	23.38	23.51	23.54	23.61	23.58	23.57	23.59	23.64	23.64	23.80	23.92	24.13	24.36	24.58
Coal-to-Liquids Heat and	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.16	0.17	0.18	0.20	0.21	0.23	0.25	0.26	0.28	0.30	0.32	0.35	0.37	0.39	0.41	0.43	0.46
Net Coal Imports	0.06	0.03	0.05	-0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Coal Subtotal	22.46	22.74	22.36	21.48	22.27	22.92	23.45	23.65	23.75	23.69	23.92	24.09	24.24	24.28	24.36	24.34	24.38	24.44	24.45	24.45	24.62	24.75	24.96	25.19	25.42
Nuclear Power	8.21	8.41	8.34	8.42	8.45	8.47	8.50	8.53	8.63	8.68	8.69	8.77	8.87	8.99	9.14	9.19	9.20	9.20	9.20	9.20	9.20	9.27	9.36	9.43	9.29
Biofuels Heat and Coprod	0.30	0.40	0.87	0.66	0.76	0.85	0.84	0.84	0.84	0.85	0.89	0.93	0.99	1.07	1.23	1.37	1.56	1.64	1.61	1.63	1.66	1.75	1.79	1.89	1.94
Renewable Energy 17/	5.97	5.65	6.11	6.13	6.66	7.30	7.94	8.11	8.22	8.36	8.47	8.61	8.70	8.84	8.97	9.10	9.20	9.29	9.39	9.47	9.52	9.60	9.63	9.70	9.70
Electricity Imports	0.06	0.11	0.12	0.09	0.08	0.08	0.07	0.07	0.07	0.05	0.06	0.05	0.05	0.05	0.05	0.06	0.05	0.04	0.03	0.01	0.03	0.02	0.03	0.00	0.03
Total	100.02	101.90	100.53	98.05	99.06	100.56	101.65	102.15	102.18	102.08	102.37	102.77	103.30	103.90	104.67	105.17	105.82	106.65	107.45	108.15	108.79	109.50	110.06	110.43	110.95
Delivered Energy Use	72.87	74.01	73.30	71.00	71.26	72.27	72.96	73.36	73.33	73.13	73.18	73.30	73.56	73.91	74.43	74.79	75.33	75.98	76.55	77.08	77.54	78.02	78.37	78.56	79.00
Total Energy Use	100.02	101.90	100.53	98.05	99.06	100.56	101.65	102.15	102.18	102.08	102.37	102.77	103.30	103.90	104.67	105.17	105.82	106.65	107.45	108.15	108.79	109.50	110.06	110.43	110.95
Ethanol Consumed in Mot.	0.47	0.56	0.75	0.91	1.09	1.23	1.23	1.22	1.21	1.24	1.29	1.32	1.39	1.47	1.59	1.68	1.85	1.85	1.83	1.86	1.87	2.05	2.10	2.22	2.22
Population (millions)	299.57	302.41	305.37	308.36	311.37	314.38	317.41	320.48	323.58	326.70	329.84	333.00	336.17	339.36	342.55	345.76	348.97	352.19	355.40	358.62	361.83	365.05	368.26	371.46	374.67
US GDP (billion 2000 doll)	11295	11524	11671	11333	11599	12025	12428	12811	13139	13451	13785	14157	14565	14976	15398	15790	16193	16620	17066	17548	18022	18480	18929	19386	19875
Carbon Dioxide Emissions 5906.8	5990.8	5849.4	5698.6	5745.9	5802.9	5842.1	5858.4	5852.2	5843.8	5857.0	5874.8	5888.9	5904.6	5908.9	5920.0	5964.0	6010.8	6047.1	6087.9	6111.3	6145.1	6161.5	6207.1	6207.1	6207.1

#### Energy Use & Related Statistics

Delivered Energy Use	72.87	74.01	73.30	71.00	71.26	72.27	72.96	73.36	73.33	73.13	73.18	73.30	73.56	73.91	74.43	74.79	75.33	75.98	76.55	77.08	77.54	78.02	78.37	78.56	79.00
Total Energy Use	100.02	101.90	100.53	98.05	99.06	100.56	101.65	102.15	102.18	102.08	102.37	102.77	103.30	103.90	104.67	105.17	105.82	106.65	107.45	108.15	108.79	109.50	110.06	110.43	110.95
Ethanol Consumed in Mot.	0.47	0.56	0.75	0.91	1.09	1.23	1.23	1.22	1.21	1.24	1.29	1.32	1.39	1.47	1.59	1.68	1.85	1.85	1.83	1.86	1.87	2.05	2.10	2.22	2.22
Population (millions)	299.57	302.41	305.37	308.36	311.37	314.38	317.41	320.48	323.58	326.70	329.84	333.00	336.17	339.36	342.55	345.76	348.97	352.19	355.40	358.62	361.83	365.05	368.26	371.46	374.67
US GDP (billion 2000 doll)	11295	11524	11671	11333	11599	12025	12428	12811	13139	13451	13785	14157	14565	14976	15398	15790	16193	16620	17066	17548	18022	18480	18929	19386	19875
Carbon Dioxide Emissions 5906.8	5990.8	5849.4	5698.6	5745.9	5802.9	5842.1	5858.4	5852.2	5843.8	5857.0	5874.8	5888.9	5904.6	5908.9	5920.0	5964.0	6010.8	6047.1	6087.9	6111.3	6145.1	6161.5	6207.1	6207.1	6207.1

1/ Includes wood used for residential heating. See Table 4 and/or Table 17 for estimates of nonmarketed renewable energy consumption for geothermal heat pumps, solar thermal hot water heating, and solar photovoltaic electricity generation.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Excludes ethanol. Includes commercial sector consumption of wood and wood waste, landfill gas, municipal solid waste, and other biomass for combined heat and power. See Table 5 and/or Table 17 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.

4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.

7/ Includes consumption of energy produced from hydroelectric, wood and wood waste, municipal solid waste, and other biomass sources. Excludes ethanol blends (10 percent or less) in motor gasoline.

8/ E85 refers to a blend of 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable). To address cold starting issues, the percentage of ethanol varies seasonally. The annual average ethanol content of 74 percent is used for this forecast.

9/ Includes only kerosene type.

10/ Diesel fuel for on- and off-road use.

11/ Includes aviation gasoline and lubricants.

12/ Includes unfinished oils, natural gasoline, motor gasoline blending components, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes ethanol and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

14/ Includes consumption of energy by electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.

Includes small power producers and exempt wholesale generators.

15/ Includes conventional hydroelectric, geothermal, wood and wood waste, biogenic municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.

16/ Includes non-biogenic municipal waste not included above.

17/ Includes conventional hydroelectric, geothermal, wood and wood waste, biogenic municipal waste, other biomass, wind, photovoltaic and solar thermal sources. Excludes ethanol, net electricity imports, and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.

Btu = British thermal unit.

-- = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2006 and 2007 are model results and may differ slightly from official EIA data reports. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 2006 and 2007 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2007, DOE/EIA-0384(2007) (Washington, DC, June 2008), 2006 and 2007 population and gross domestic product: IHS Global Insight, Global Insight Industry and Employment models, November 2008. 2006 and 2007 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2007, DOE/EIA-0573(2007) (Washington, DC, December 2008). Projections: EIA, AEO2009 National Energy Modeling System run stimulus.d041409a.