

Table B1. U.S. Annual Averages Values from 2015-40

	Reference					High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear Retirements			
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>	3.6	5.1	6.1	7.0	6.3	4.9	4.9	5.9	6.8	1.8	4.1	5.0	5.8	3.3	5.0	6.0	7.0	3.2	5.0	6.0	7.0
gross imports	2.2	2.3	2.3	2.3	2.3	2.4	2.5	2.4	2.3	2.6	3.0	3.0	3.1	2.3	2.4	2.4	2.4	2.3	2.4	2.4	2.4
gross exports	5.8	7.5	8.5	9.3	8.6	7.3	7.4	8.3	9.2	4.4	7.0	8.0	8.9	5.6	7.4	8.4	9.3	5.5	7.4	8.4	9.3
<b>Dry Production</b>	32.5	33.9	34.8	35.7	35.1	36.6	36.5	37.5	38.4	27.8	29.7	30.5	31.1	33.8	35.3	36.2	37.1	34.0	35.7	36.7	37.6
shale gas	15.9	17.0	17.6	18.3	17.7	19.7	19.7	19.7	20.2	12.0	13.4	13.9	14.4	16.8	18.0	18.7	19.2	16.9	18.3	19.0	19.6
other	16.6	16.9	17.2	17.4	17.3	17.0	16.8	17.8	18.2	15.8	16.3	16.6	16.8	17.0	17.4	17.6	17.8	17.0	17.5	17.7	18.0
<b>Consumed Volumes (1)</b>	28.8	28.7	28.6	28.5	28.6	31.6	31.5	31.5	31.4	25.9	25.5	25.4	25.2	30.4	30.2	30.1	30.0	30.6	30.6	30.5	30.5
electric generators	9.7	9.5	9.3	9.1	9.3	11.8	11.7	11.6	11.5	7.9	7.3	7.1	6.9	10.5	10.2	10.0	9.8	11.6	11.4	11.3	11.1
industrial	8.4	8.3	8.3	8.3	8.3	8.6	8.6	8.5	8.5	8.1	8.0	7.9	7.9	8.8	8.8	8.7	8.7	8.3	8.3	8.2	8.2
liquefaction	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.5	0.6	0.2	0.4	0.6	0.7	0.2	0.4	0.5	0.6	0.2	0.4	0.5	0.6
residential	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.3	4.2	4.2	4.2	4.5	4.5	4.5	4.5	4.3	4.3	4.3	4.3
commercial	3.3	3.3	3.2	3.2	3.2	3.4	3.4	3.4	3.4	3.1	3.1	3.1	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2
other	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	2.4	2.5	2.5	2.5	2.9	3.0	3.0	3.1	2.8	2.9	2.9	3.0
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential	13.4	13.7	13.8	14.0	13.9	12.0	12.0	12.1	12.2	15.3	16.1	16.4	16.6	13.8	14.2	14.4	14.5	13.6	13.9	14.1	14.3
commercial	11.0	11.3	11.4	11.6	11.5	9.5	9.6	9.6	9.7	12.9	13.7	14.0	14.2	11.3	11.6	11.8	12.0	11.2	11.6	11.8	11.9
industrial	6.9	7.1	7.3	7.5	7.4	5.5	5.5	5.6	5.7	8.6	9.4	9.7	9.9	7.1	7.4	7.6	7.7	7.2	7.5	7.7	7.8
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)	5.4	5.7	5.8	5.99	5.9	4.0	4.0	4.1	4.2	7.1	7.9	8.2	8.4	5.6	5.9	6.1	6.2	5.7	6.0	6.2	6.3
Northeast (2012\$/Mcf)	5.6	5.9	6.0	6.2	6.1	4.1	4.0	3.9	3.9	8.0	8.8	8.9	9.0	5.9	6.2	6.3	6.5	6.0	6.3	6.5	6.6
Gulf Coast (2012\$/Mcf)	5.5	5.7	5.9	6.0	5.9	4.0	4.1	4.2	4.3	7.1	7.8	8.1	8.5	5.7	5.9	6.1	6.3	5.7	6.0	6.2	6.4
West Coast (2012\$/Mcf)	5.6	5.9	6.0	6.2	6.1	4.4	4.5	4.6	4.7	7.1	7.7	8.0	8.2	5.8	6.1	6.3	6.4	5.9	6.2	6.4	6.4
Coal Minemouth Price (2012\$/short-ton)	51.1	51.2	51.2	51.2	51.2	50.3	50.3	50.3	50.3	51.4	51.5	51.5	51.5	51.8	51.9	51.9	51.9	75.6	75.7	75.7	75.7
End-Use Electricity Price (2012 cents/kwh)	10.4	10.5	10.5	10.6	10.6	9.8	9.8	9.8	9.8	11.1	11.4	11.4	11.5	10.5	10.7	10.8	10.8	11.1	11.2	11.3	11.4
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids	845.0	847.9	848.7	849.2	847.6	802.6	803.7	803.7	803.8	855.5	857.8	858.3	859.1	899.2	902.7	903.3	904.8	837.9	840.2	839.0	842.3
natural gas	140.3	143.0	144.8	146.7	145.5	122.7	122.8	123.4	124.5	159.1	166.9	169.7	172.4	151.0	154.4	156.6	158.3	142.8	146.2	148.2	150.1
electricity	415.4	419.0	421.0	423.3	421.8	398.5	398.8	399.2	400.1	435.8	443.8	446.6	448.8	445.7	449.7	453.0	454.5	434.7	439.7	441.8	444.2
coal	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.5	8.5	8.4	8.4	9.8	9.8	9.8	9.8	10.7	10.7	10.6	10.7
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
	65.4	65.4	65.3	65.3	65.1	67.2	67.1	67.0	67.0	64.3	64.0	63.9	63.8	68.6	68.5	68.4	68.4	64.8	64.8	64.6	64.6
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal	4,711.1	4,702.9	4,695.1	4,689.7	4,691.0	4,811.2	4,813.8	4,806.9	4,803.2	4,615.4	4,583.7	4,573.6	4,565.3	4,969.2	4,959.3	4,950.5	4,943.8	4,631.4	4,619.8	4,610.7	4,602.8
gas	1,668.2	1,690.1	1,695.3	1,705.9	1,680.6	1,526.1	1,533.7	1,539.4	1,550.0	1,737.4	1,761.6	1,759.1	1,761.0	1,711.2	1,725.3	1,727.3	1,729.8	1,314.8	1,315.6	1,315.6	1,315.6
nuclear	1,486.1	1,444.7	1,418.2	1,395.4	1,424.3	1,769.5	1,754.3	1,739.9	1,721.1	1,200.3	1,113.9	1,082.7	1,054.3	1,623.2	1,571.0	1,543.2	1,513.7	1,782.3	1,751.9	1,727.9	1,708.3
renewables	785.6	789.2	795.4	798.5	797.2	781.0	781.0	781.0	781.0	838.1	850.0	878.4	881.1	808.9	818.0	826.1	842.9	721.9	732.1	736.5	740.4
other	728.8	736.5	743.7	747.3	746.4	692.5	702.8	704.6	709.1	797.0	815.6	810.8	826.3	782.9	802.0	811.0	814.4	771.4	779.2	789.6	797.5
	42.4	42.5	42.5	42.6	42.5	42.1	42.1	42.0	42.1	42.6	42.6	42.6	42.6	42.9	43.0	43.0	43.0	41.1	41.0	41.0	41.0
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption	102.6	102.9	103.0	103.1	102.9	104.4	104.4	104.5	104.6	101.3	101.6	101.7	101.7	107.2	107.6	107.7	107.8	100.2	100.5	100.4	100.7
liquids	36.0	36.1	36.1	36.1	36.1	36.9	36.8	36.8	36.8	35.8	35.9	35.9	35.9	37.5	37.6	37.6	37.7	35.8	35.9	35.8	35.9
natural gas	29.4	29.3	29.2	29.1	29.2	32.3	32.2	32.2	32.1	26.5	26.1	25.9	25.8	31.0	30.8	30.8	30.6	31.3	31.3	31.2	31.2
coal	18.8	19.0	19.1	19.2	18.9	17.3	17.4	17.4	17.5	19.5	19.7	19.7	19.7	19.4	19.6	19.6	19.6	15.0	15.0	15.0	15.0
other	18.4	18.5	18.6	18.7	18.7	18.0	18.1	18.1	18.1	19.6	19.9	20.2	20.3	19.2	19.5	19.7	19.9	18.1	18.3	18.4	18.6
Production	97.1	99.1	100.2	101.3	100.3	108.4	108.4	109.4	110.5	91.7	94.3	95.4	96.3	100.1	102.3	103.4	104.5	93.9	96.2	97.2	98.4
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
	5,514	5,535	5,536	5,544	5,523	5,571	5,571	5,578	5,585	5,417	5,422	5,415	5,410	5,745	5,754	5,751	5,749	5,234	5,239	5,233	5,237
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)	20,223	20,236	20,246	20,254	20,246	20,386	20,388	20,396	20,404	20,144	20,160	20,167	20,172	21,646	21,660	21,670	21,680	20,163	20,177	20,188	20,197
Total industrial shipments (B 2005\$)	9,118	9,133	9,135	9,136	9,125	9,399	9,401	9,398	9,396	8,967	8,966	8,964	8,962	10,190	10,204	10,204	10,209	9,063	9,082	9,077	9,091
Non-farm employment (millions)	156	156	156	156	156	156	156	156	157	155	155	155	155	162	163	163	163	155	156	156	156
Annual change in Consumer Price Index	2.1%	2.1%	2.1%	2.1%	2.1%	2.0%	2.0%	2.0%	2.0%	2.2%	2.2%	2.2%	2.2%	1.8%	1.8%	1.8%	1.8%	2.1%	2.1%	2.1%	2.1%

Table B2. Differential from Base in U.S. Annual Average Values from 2015-40 when Exports are Added

	Reference				High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear				
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>		1.5	2.5	3.5	2.7		(0.0)	1.0	1.9		2.3	3.2	4.0		1.7	2.7	3.7		1.8	2.8	3.7
gross imports		0.2	0.1	0.1	0.1		0.1	0.0	(0.0)		0.3	0.3	0.4		0.1	0.1	0.1		0.1	0.1	0.1
gross exports		1.7	2.7	3.6	2.8		0.1	1.0	1.9		2.6	3.6	4.4		1.9	2.8	3.8		1.9	2.9	3.8
<b>Dry Production</b>		1.4	2.4	3.2	2.6		(0.1)	0.9	1.7		1.9	2.7	3.3		1.6	2.5	3.3		1.8	2.7	3.7
shale gas		1.1	1.8	2.4	1.9		0.1	0.1	0.5		1.3	1.9	2.3		1.2	1.9	2.5		1.3	2.0	2.7
other		0.3	0.6	0.8	0.7		(0.2)	0.8	1.2		0.5	0.8	1.0		0.4	0.6	0.9		0.4	0.7	1.0
<b>Consumed Volumes (1)</b>		(0.1)	(0.2)	(0.3)	(0.1)		(0.1)	(0.1)	(0.1)		(0.4)	(0.5)	(0.6)		(0.2)	(0.3)	(0.4)		0.0	(0.1)	(0.1)
electric generators		(0.3)	(0.4)	(0.6)	(0.4)		(0.1)	(0.1)	(0.3)		(0.6)	(0.8)	(0.9)		(0.3)	(0.5)	(0.7)		(0.2)	(0.4)	(0.5)
industrial		(0.0)	(0.1)	(0.1)	(0.1)		(0.0)	(0.1)	(0.1)		(0.1)	(0.2)	(0.2)		(0.1)	(0.1)	(0.1)		(0.0)	(0.1)	(0.1)
liquefaction		0.2	0.3	0.4	0.3		0.0	0.1	0.2		0.3	0.4	0.5		0.2	0.3	0.4		0.2	0.3	0.4
residential		(0.0)	(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)		(0.0)	(0.1)	(0.1)		(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)
commercial		(0.0)	(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)		(0.1)	(0.1)	(0.1)		(0.0)	(0.0)	(0.1)		(0.0)	(0.0)	(0.1)
other		0.1	0.1	0.1	0.1		(0.0)	0.0	0.1		0.1	0.1	0.2		0.1	0.1	0.2		0.1	0.1	0.2
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential		0.3	0.5	0.6	0.5		0.1	0.1	0.2		0.8	1.1	1.4		0.3	0.5	0.7		0.3	0.5	0.7
commercial		0.3	0.4	0.6	0.5		0.0	0.1	0.2		0.8	1.1	1.3		0.3	0.5	0.7		0.3	0.5	0.7
industrial		0.2	0.4	0.6	0.5		0.0	0.1	0.2		0.8	1.0	1.3		0.3	0.5	0.6		0.3	0.5	0.6
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)		0.2	0.4	0.57	0.5		(0.0)	0.0	0.1		0.7	1.0	1.3		0.3	0.5	0.6		0.3	0.5	0.6
Northeast (2012\$/Mcf)		0.3	0.4	0.5	0.4		(0.1)	(0.2)	(0.2)		0.8	1.0	1.0		0.3	0.4	0.6		0.3	0.5	0.7
Gulf Coast (2012\$/Mcf)		0.2	0.4	0.6	0.5		0.0	0.1	0.3		0.7	1.0	1.4		0.3	0.5	0.6		0.3	0.5	0.6
West Coast (2012\$/Mcf)		0.3	0.4	0.5	0.5		0.1	0.2	0.3		0.6	1.0	1.2		0.3	0.5	0.6		0.3	0.5	0.5
Coal Minemouth Price (2012\$/short-ton)		0.1	0.1	0.1	0.1		(0.0)	0.0	(0.0)		0.1	0.1	0.0		0.1	0.1	0.1		0.1	0.1	0.1
End-Use Electricity Price (2012 cents/kwh)		0.1	0.2	0.2	0.2		0.0	0.0	0.1		0.3	0.4	0.4		0.1	0.2	0.3		0.2	0.2	0.3
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids		2.9	3.7	4.2	2.6		1.1	1.1	1.1		2.3	2.9	3.6		3.5	4.1	5.6		2.3	1.1	4.4
natural gas		2.7	4.5	6.4	5.1		0.0	0.6	1.8		7.9	10.7	13.3		3.5	5.6	7.3		3.4	5.3	7.3
electricity		3.6	5.6	7.9	6.5		0.3	0.7	1.6		8.0	10.8	13.0		4.0	7.3	8.8		5.0	7.1	9.5
coal		0.0	0.0	0.0	0.0		0.0	0.0	0.0		(0.0)	(0.0)	(0.0)		0.0	0.0	0.0		0.0	(0.0)	(0.0)
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
		(0.0)	(0.1)	(0.2)	(0.3)		(0.1)	(0.2)	(0.2)		(0.3)	(0.4)	(0.4)		(0.1)	(0.2)	(0.2)		(0.0)	(0.2)	(0.1)
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal		21.9	27.1	37.8	12.4		7.6	13.3	23.9		24.2	21.7	23.6		14.1	16.1	18.6		0.8	0.8	0.8
gas		(41.4)	(67.9)	(90.7)	(61.8)		(15.2)	(29.6)	(48.4)		(86.5)	(117.7)	(146.1)		(52.2)	(80.0)	(109.5)		(30.4)	(54.4)	(74.0)
nuclear		3.6	9.8	12.9	11.6		(0.0)	(0.0)	(0.0)		11.9	40.3	43.0		9.1	17.2	34.0		10.2	14.6	18.5
renewables		7.7	14.9	18.6	17.6		10.3	12.1	16.6		18.6	13.8	29.3		19.1	28.1	31.5		7.8	18.3	26.1
other		0.1	0.1	0.1	0.0		(0.0)	(0.1)	(0.0)		0.1	0.0	0.0		0.0	0.1	0.1		(0.0)	(0.0)	(0.0)
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption		0.3	0.4	0.6	0.3		0.0	0.1	0.2		0.2	0.3	0.4		0.3	0.4	0.6		0.3	0.3	0.5
liquids		0.1	0.1	0.1	0.1		(0.0)	(0.1)	(0.1)		0.0	0.1	0.1		0.1	0.1	0.1		0.1	0.0	0.1
natural gas		(0.1)	(0.2)	(0.3)	(0.1)		(0.1)	(0.1)	(0.2)		(0.4)	(0.5)	(0.7)		(0.2)	(0.3)	(0.4)		0.0	(0.1)	(0.1)
coal		0.2	0.3	0.4	0.1		0.1	0.1	0.3		0.3	0.2	0.2		0.2	0.2	0.2		0.0	0.0	0.0
other		0.1	0.2	0.3	0.3		0.1	0.1	0.2		0.3	0.6	0.7		0.3	0.5	0.7		0.2	0.3	0.5
Production		1.9	3.1	4.2	3.2		(0.0)	1.1	2.1		2.6	3.7	4.6		2.2	3.3	4.4		2.2	3.3	4.5
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
		21	23	31	9		(0)	7	14		6	(2)	(7)		9	7	5		6	(1)	3
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)		14	23	32	23		1	10	18		16	23	28		14	24	34		15	25	34
Total industrial shipments (B 2005\$)		15	17	18	7		2	(1)	(3)		(1)	(2)	(5)		13	14	18		19	14	29
Non-farm employment (millions)		0.1	0.1	0.2	0.1		0	0	0		0	0	0		0	0	0		0	0	0
Annual change in Consumer Price Index		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%

Table B3. Differential (%) from Base in U.S. Annual Average Values from 2015-40 when Exports are Added

	Reference				High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear				
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>		42.4%	70.8%	96.1%	76.3%		-0.5%	20.0%	38.4%		126.9%	179.6%	221.7%		52.8%	83.2%	111.3%		54.9%	85.7%	114.7%
gross imports		7.1%	6.3%	5.4%	4.1%		4.0%	0.1%	-0.8%		11.6%	12.7%	16.8%		5.9%	4.5%	4.9%		5.1%	4.8%	4.7%
gross exports		29.1%	46.5%	61.8%	49.1%		0.9%	13.6%	25.7%		58.2%	80.2%	99.7%		33.8%	51.2%	68.1%		34.5%	52.6%	69.6%
<b>Dry Production</b>		4.4%	7.3%	9.8%	8.0%		-0.4%	2.5%	4.8%		6.8%	9.7%	12.0%		4.7%	7.4%	9.8%		5.3%	8.0%	10.8%
shale gas		7.0%	11.2%	15.1%	11.7%		0.3%	0.4%	2.6%		11.2%	15.8%	19.4%		7.2%	11.2%	14.6%		7.9%	12.1%	15.8%
other		2.0%	3.5%	4.8%	4.4%		-1.1%	4.9%	7.2%		3.4%	5.0%	6.4%		2.2%	3.6%	5.0%		2.6%	4.0%	5.8%
<b>Consumed Volumes (1)</b>		-0.3%	-0.6%	-0.9%	-0.5%		-0.4%	-0.3%	-0.5%		-1.5%	-2.1%	-2.5%		-0.5%	-0.8%	-1.2%		0.0%	-0.2%	-0.2%
electric generators		-2.7%	-4.6%	-6.1%	-4.2%		-0.5%	-1.2%	-2.6%		-7.0%	-9.6%	-12.0%		-3.2%	-4.9%	-6.8%		-1.8%	-3.1%	-4.2%
industrial		-0.4%	-0.8%	-1.1%	-0.9%		-0.3%	-0.7%	-1.1%		-1.6%	-2.0%	-2.5%		-0.6%	-1.0%	-1.3%		-0.4%	-1.0%	-1.0%
liquefaction		62.0%	102.5%	138.9%	109.2%		1.3%	29.3%	54.5%		168.0%	234.2%	293.5%		76.8%	120.7%	160.1%		79.0%	123.5%	163.5%
residential		-0.4%	-0.6%	-0.8%	-0.6%		-0.1%	-0.2%	-0.4%		-1.0%	-1.3%	-1.6%		-0.5%	-0.7%	-0.9%		-0.4%	-0.7%	-0.8%
commercial		-0.7%	-1.1%	-1.5%	-1.2%		-0.2%	-0.3%	-0.6%		-1.8%	-2.4%	-2.8%		-0.9%	-1.2%	-1.6%		-0.7%	-1.3%	-1.5%
other		2.7%	4.1%	5.1%	4.1%		-0.6%	1.0%	2.3%		4.3%	5.6%	7.0%		2.8%	4.2%	5.3%		3.5%	5.0%	6.7%
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential		2.1%	3.4%	4.8%	3.9%		0.7%	1.2%	2.0%		5.5%	7.3%	8.9%		2.5%	3.9%	5.1%		2.5%	4.0%	5.3%
commercial		2.5%	4.0%	5.7%	4.6%		0.4%	0.9%	1.8%		6.3%	8.5%	10.2%		2.9%	4.6%	6.0%		2.9%	4.8%	6.2%
industrial		3.6%	6.2%	8.8%	7.1%		0.5%	2.1%	4.4%		8.9%	12.2%	15.3%		4.4%	7.0%	9.0%		4.2%	6.9%	9.1%
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)		4.3%	7.4%	10.6%	8.6%		-0.7%	0.8%	3.2%		10.4%	14.4%	17.9%		5.0%	8.2%	10.6%		5.0%	8.3%	10.9%
Northeast (2012\$/Mcf)		4.5%	6.6%	9.2%	7.3%		-3.2%	-5.2%	-4.9%		10.2%	12.3%	13.1%		4.6%	7.4%	10.0%		5.9%	8.6%	11.6%
Gulf Coast (2012\$/Mcf)		3.9%	7.1%	10.4%	8.7%		0.5%	3.4%	6.7%		10.2%	14.8%	19.0%		4.8%	8.2%	10.5%		5.0%	8.3%	11.0%
West Coast (2012\$/Mcf)		4.7%	6.9%	9.7%	8.2%		2.5%	4.5%	6.5%		9.0%	13.6%	16.7%		5.6%	8.1%	9.9%		5.4%	7.8%	9.0%
Coal Minemouth Price (2012\$/short-ton)		0.2%	0.2%	0.1%	0.1%		-0.1%	0.1%	0.0%		0.1%	0.1%	0.1%		0.1%	0.2%	0.3%		0.1%	0.2%	0.1%
End-Use Electricity Price (2012 cents/Kwh)		1.0%	1.6%	2.3%	1.9%		0.0%	0.2%	0.6%		2.4%	3.3%	3.9%		1.1%	2.1%	2.5%		1.4%	2.1%	2.7%
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids		0.3%	0.4%	0.5%	0.3%		0.1%	0.1%	0.1%		0.3%	0.3%	0.4%		0.4%	0.5%	0.6%		0.3%	0.1%	0.5%
natural gas		1.9%	3.2%	4.6%	3.7%		0.0%	0.5%	1.5%		5.0%	6.7%	8.4%		2.3%	3.7%	4.8%		2.4%	3.7%	5.1%
electricity		0.9%	1.3%	1.9%	1.6%		0.1%	0.2%	0.4%		1.8%	2.5%	3.0%		0.9%	1.6%	2.0%		1.2%	1.6%	2.2%
coal		0.4%	0.3%	0.3%	0.1%		0.2%	0.2%	0.2%		-0.3%	-0.4%	-0.6%		0.2%	0.1%	0.2%		0.1%	0.0%	0.0%
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
		-0.1%	-0.2%	-0.3%	-0.5%		-0.1%	-0.2%	-0.4%		-0.4%	-0.6%	-0.7%		-0.1%	-0.3%	-0.3%		0.0%	-0.4%	-0.2%
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal		-0.2%	-0.3%	-0.5%	-0.4%		0.1%	-0.1%	-0.2%		-0.7%	-0.9%	-1.1%		-0.2%	-0.4%	-0.5%		-0.3%	-0.4%	-0.6%
gas		1.3%	1.6%	2.3%	0.7%		0.5%	0.9%	1.6%		1.4%	1.2%	1.4%		0.8%	0.9%	1.1%		0.1%	0.1%	0.1%
nuclear		-2.8%	-4.6%	-6.1%	-4.2%		-0.9%	-1.7%	-2.7%		-7.2%	-9.8%	-12.2%		-3.2%	-4.9%	-6.7%		-1.7%	-3.1%	-4.1%
renewables		0.5%	1.2%	1.6%	1.5%		0.0%	0.0%	0.0%		1.4%	4.8%	5.1%		1.1%	2.1%	4.2%		1.4%	2.0%	2.6%
other		1.1%	2.0%	2.5%	2.4%		1.5%	1.8%	2.4%		2.3%	1.7%	3.7%		2.4%	3.6%	4.0%		1.0%	2.4%	3.4%
Production		0.2%	0.2%	0.3%	0.1%		-0.1%	-0.3%	-0.1%		0.1%	0.1%	0.1%		0.1%	0.2%	0.1%		0.0%	-0.1%	0.0%
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption		0.3%	0.4%	0.6%	0.3%		0.0%	0.1%	0.2%		0.2%	0.3%	0.4%		0.3%	0.4%	0.6%		0.3%	0.3%	0.5%
liquids		0.2%	0.3%	0.3%	0.2%		-0.1%	-0.2%	-0.2%		0.1%	0.2%	0.2%		0.2%	0.2%	0.3%		0.3%	0.0%	0.4%
natural gas		-0.3%	-0.6%	-0.9%	-0.5%		-0.4%	-0.3%	-0.5%		-1.5%	-2.1%	-2.5%		-0.5%	-0.8%	-1.2%		0.0%	-0.2%	-0.2%
coal		1.2%	1.5%	2.1%	0.7%		0.5%	0.8%	1.4%		1.3%	1.2%	1.3%		0.8%	0.9%	1.0%		0.0%	0.0%	0.0%
other		0.6%	1.3%	1.7%	1.6%		0.6%	0.7%	0.9%		1.6%	2.9%	3.8%		1.4%	2.3%	3.4%		1.0%	1.8%	2.5%
Production		2.0%	3.2%	4.3%	3.3%		0.0%	1.0%	1.9%		2.8%	4.1%	5.0%		2.1%	3.3%	4.4%		2.4%	3.5%	4.8%
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
		0.4%	0.4%	0.6%	0.2%		0.0%	0.1%	0.3%		0.1%	0.0%	-0.1%		0.2%	0.1%	0.1%		0.1%	0.0%	0.1%
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)		0.1%	0.1%	0.2%	0.1%		0.0%	0.0%	0.1%		0.1%	0.1%	0.1%		0.1%	0.1%	0.2%		0.1%	0.1%	0.2%
Total industrial shipments (B 2005\$)		0.2%	0.2%	0.2%	0.1%		0.0%	0.0%	0.0%		0.0%	0.0%	-0.1%		0.1%	0.1%	0.2%		0.2%	0.2%	0.3%
Non-farm employment (millions)		0.1%	0.1%	0.1%	0.1%		0.0%	0.0%	0.1%		0.1%	0.1%	0.1%		0.1%	0.1%	0.1%		0.1%	0.1%	0.1%
Annual change in Consumer Price Index		0.0%	0.2%	0.4%	0.3%		0.0%	-0.4%	-0.6%		0.0%	0.3%	0.4%		0.2%	0.3%	0.6%		0.3%	0.1%	0.4%

Table B4. U.S. Annual Averages Values from 2015-25

	Reference					High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear			
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
Net Exports	1.5	3.0	3.6	3.9	2.2	1.9	2.9	3.4	3.7	0.7	2.7	3.3	3.6	1.4	3.0	3.6	3.9	1.3	3.0	3.6	3.9
gross imports	2.5	2.6	2.6	2.6	2.5	2.6	2.7	2.7	2.7	2.6	2.8	2.9	2.9	2.5	2.6	2.6	2.6	2.5	2.6	2.6	2.6
gross exports	3.9	5.6	6.2	6.5	4.7	4.5	5.6	6.1	6.5	3.3	5.6	6.2	6.5	3.9	5.6	6.2	6.5	3.9	5.6	6.2	6.5
Dry Production	28.6	30.2	30.7	30.9	29.3	30.9	31.8	32.3	32.5	26.5	28.3	28.8	29.1	29.5	31.1	31.6	31.8	29.7	31.6	32.1	32.4
shale gas	13.0	14.2	14.5	14.7	13.5	14.7	15.4	15.7	15.8	11.3	12.7	13.0	13.2	13.7	14.8	15.2	15.4	13.9	15.5	15.7	16.0
other	15.6	16.0	16.2	16.2	15.8	16.2	16.4	16.6	16.7	15.2	15.6	15.8	15.9	15.9	16.2	16.3	16.4	15.8	16.2	16.4	16.4
Consumed Volumes (1)	27.1	27.0	27.0	26.9	27.0	28.9	28.8	28.7	28.6	25.7	25.4	25.4	25.3	28.0	27.9	27.9	27.9	28.3	28.5	28.4	28.4
electric generators	8.8	8.6	8.5	8.4	8.7	10.3	10.0	9.9	9.8	7.9	7.5	7.4	7.4	9.4	9.1	9.1	9.0	10.1	10.0	9.9	9.9
industrial	8.1	8.1	8.0	8.0	8.1	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.8	8.3	8.3	8.3	8.2	8.0	8.0	8.0	8.0
liquefaction	0.2	0.3	0.4	0.4	0.3	0.2	0.3	0.4	0.4	0.1	0.3	0.4	0.4	0.2	0.3	0.4	0.4	0.2	0.3	0.4	0.4
residential	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4
commercial	3.2	3.1	3.1	3.1	3.2	3.3	3.2	3.2	3.2	3.1	3.0	3.0	3.0	3.2	3.1	3.1	3.1	3.2	3.1	3.1	3.1
other	2.3	2.4	2.5	2.5	2.4	2.4	2.5	2.5	2.5	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.4	2.5	2.6	2.6
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential	11.9	12.1	12.2	12.3	12.1	11.0	11.2	11.3	11.4	12.7	13.6	13.8	14.0	12.1	12.5	12.7	12.7	12.0	12.2	12.4	12.4
commercial	9.8	10.0	10.1	10.2	10.0	8.8	8.9	9.0	9.1	10.6	11.4	11.6	11.8	9.9	10.2	10.4	10.5	9.9	10.0	10.3	10.3
industrial	5.9	6.1	6.2	6.4	6.1	5.2	5.4	5.5	5.7	6.7	7.5	7.7	8.0	6.0	6.2	6.4	6.6	6.1	6.2	6.5	6.5
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)	4.4	4.5	4.7	4.8	4.5	3.6	3.7	3.8	3.9	5.1	5.9	6.1	6.4	4.4	4.7	4.8	4.9	4.5	4.6	4.8	4.9
Northeast (2012\$/Mcf)	4.3	4.4	4.5	4.5	4.5	2.7	2.7	2.6	2.6	5.3	6.0	6.0	6.1	4.3	4.6	4.7	4.7	4.4	4.5	4.6	4.5
Gulf Coast (2012\$/Mcf)	4.4	4.6	4.7	4.9	4.6	3.9	4.0	4.2	4.4	5.2	6.0	6.2	6.5	4.5	4.7	4.9	5.0	4.6	4.8	5.0	5.1
West Coast (2012\$/Mcf)	4.7	4.8	4.9	5.0	4.8	4.2	4.4	4.5	4.6	5.3	6.0	6.3	6.5	4.7	5.0	5.2	5.2	4.8	4.9	5.1	5.2
Coal Minemouth Price (2012\$/short-ton)	46.1	46.2	46.2	46.2	46.2	45.3	45.3	45.4	45.3	46.5	46.8	46.8	46.7	46.5	46.6	46.7	46.7	55.6	55.8	55.8	55.7
End-Use Electricity Price (2012 cents/kwh)	10.0	10.1	10.1	10.2	10.1	9.8	9.8	9.8	9.8	10.3	10.6	10.7	10.8	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids	784.4	786.3	787.1	787.2	785.2	759.4	761.9	762.5	764.1	794.8	797.2	797.6	798.0	813.5	815.4	816.0	816.4	780.2	781.0	780.8	783.1
natural gas	119.2	121.4	122.9	124.2	121.4	110.2	111.5	113.1	114.3	128.1	137.4	139.9	142.3	122.4	125.9	128.1	129.4	120.5	122.3	124.8	125.2
electricity	378.2	380.2	381.6	382.6	380.0	371.2	372.0	373.3	374.1	386.7	395.2	397.7	400.0	391.8	395.0	397.7	398.3	387.2	390.1	391.5	393.6
coal	8.3	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
liquids	64.7	64.7	64.7	64.6	64.4	65.7	65.6	65.5	65.5	64.3	64.0	63.9	63.9	66.5	66.4	66.3	66.3	64.3	64.3	64.2	64.3
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal	4,407.5	4,403.2	4,399.3	4,397.5	4,403.7	4,455.8	4,451.4	4,447.8	4,445.5	4,376.1	4,348.2	4,340.7	4,336.0	4,539.8	4,532.8	4,526.7	4,523.7	4,370.9	4,368.7	4,360.6	4,352.9
gas	1,643.4	1,671.7	1,677.7	1,688.3	1,655.0	1,515.5	1,536.1	1,544.5	1,552.1	1,712.0	1,740.3	1,740.2	1,741.5	1,676.6	1,698.1	1,699.4	1,701.5	1,403.1	1,403.8	1,403.8	1,403.8
nuclear	1,274.3	1,238.5	1,223.6	1,211.2	1,253.4	1,473.0	1,436.0	1,421.8	1,408.7	1,146.2	1,083.5	1,071.4	1,063.1	1,363.9	1,327.2	1,317.2	1,308.0	1,456.7	1,448.2	1,435.3	1,426.4
renewables	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	783.3	793.2	793.3	796.7	796.8	783.5	783.5	783.3	786.4	783.3	783.3	783.3	783.3
other	664.0	667.1	672.3	672.1	669.5	641.7	653.5	655.9	659.1	682.1	688.3	689.7	691.8	673.0	681.1	683.9	684.9	686.3	691.8	696.7	697.9
other	42.5	42.6	42.6	42.6	42.5	42.4	42.5	42.3	42.3	42.7	42.8	42.8	42.8	42.8	42.9	42.9	42.9	41.5	41.6	41.5	41.5
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption	100.5	100.9	100.9	101.0	100.6	101.3	101.5	101.5	101.5	100.1	100.2	100.2	100.2	103.0	103.3	103.3	103.3	99.2	99.6	99.5	99.6
liquids	36.7	36.7	36.7	36.7	36.7	37.0	37.0	37.0	37.0	36.6	36.6	36.6	36.6	37.5	37.6	37.6	37.6	36.5	36.5	36.5	36.6
natural gas	27.6	27.6	27.5	27.5	27.6	29.6	29.4	29.4	29.2	26.3	26.0	25.9	25.9	28.6	28.5	28.5	28.5	28.9	29.1	29.0	29.0
coal	18.6	18.9	18.9	19.0	18.7	17.2	17.4	17.5	17.6	19.3	19.6	19.6	19.6	19.0	19.3	19.3	19.3	16.0	16.0	16.0	16.0
other	17.7	17.7	17.7	17.7	17.7	17.4	17.6	17.6	17.6	17.9	18.0	18.1	18.1	17.8	17.9	17.9	18.0	17.9	17.9	18.0	18.0
Production	93.3	95.3	96.0	96.4	94.2	98.9	100.1	100.7	101.0	90.6	92.8	93.4	93.7	95.0	97.0	97.6	97.9	92.0	94.3	94.7	95.2
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
liquids	5,469	5,497	5,501	5,508	5,477	5,464	5,477	5,483	5,485	5,462	5,477	5,474	5,473	5,614	5,634	5,635	5,634	5,276	5,290	5,285	5,289
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)	16,739	16,751	16,754	16,756	16,742	16,831	16,839	16,842	16,844	16,699	16,705	16,707	16,709	17,517	17,528	17,529	17,532	16,708	16,720	16,721	16,726
Total industrial shipments (B 2005\$)	7,960	7,971	7,972	7,969	7,961	8,117	8,118	8,117	8,117	7,900	7,891	7,889	7,889	8,557	8,564	8,560	8,561	7,926	7,937	7,930	7,946
Non-farm employment (millions)	148	148	148	148	148	148	148	148	148	147	147	147	147	152	152	152	152	147	147	147	148
Annual change in Consumer Price Index	1.8%	1.8%	1.9%	1.9%	1.9%	1.8%	1.8%	1.8%	1.8%	1.9%	2.0%	2.0%	2.0%	1.5%	1.5%	1.5%	1.5%	1.8%	1.8%	1.9%	1.9%

Table B5. Differential from Base in U.S. Annual Average Values from 2015-25 when Exports are Added

	Reference				High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear Retirements				
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>		1.6	2.1	2.4	0.8		1.0	1.5	1.9		2.1	2.7	3.0		1.6	2.1	2.5		1.7	2.2	2.6
gross imports		0.1	0.1	0.1	0.0		0.1	0.1	0.1		0.2	0.2	0.2		0.1	0.1	0.2		0.1	0.1	0.1
gross exports		1.7	2.3	2.6	0.8		1.1	1.7	2.0		2.3	2.9	3.2		1.7	2.3	2.6		1.8	2.3	2.7
<b>Dry Production</b>		1.5	2.0	2.3	0.7		0.8	1.3	1.5		1.8	2.3	2.6		1.5	2.1	2.3		1.9	2.3	2.7
shale gas		1.2	1.5	1.7	0.5		0.7	1.0	1.0		1.4	1.8	1.9		1.2	1.6	1.8		1.6	1.8	2.1
other		0.4	0.5	0.6	0.2		0.2	0.4	0.5		0.4	0.5	0.6		0.4	0.5	0.6		0.3	0.6	0.6
<b>Consumed Volumes (1)</b>		(0.0)	(0.1)	(0.2)	(0.1)		(0.1)	(0.2)	(0.3)		(0.3)	(0.4)	(0.4)		(0.1)	(0.1)	(0.1)		0.2	0.1	0.2
electric generators		(0.2)	(0.4)	(0.4)	(0.2)		(0.3)	(0.3)	(0.5)		(0.4)	(0.5)	(0.6)		(0.2)	(0.3)	(0.4)		(0.1)	(0.1)	(0.2)
industrial		(0.0)	(0.0)	(0.1)	(0.0)		(0.0)	(0.1)	(0.1)		(0.1)	(0.2)	(0.2)		(0.0)	(0.1)	(0.1)		(0.0)	(0.1)	(0.0)
liquefaction		0.2	0.2	0.3	0.1		0.1	0.2	0.2		0.2	0.3	0.3		0.2	0.2	0.3		0.2	0.2	0.3
residential		(0.0)	(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)		(0.0)	(0.1)	(0.1)		(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)
commercial		(0.0)	(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)		(0.1)	(0.1)	(0.1)		(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)
other		0.1	0.1	0.1	0.0		0.0	0.1	0.1		0.1	0.1	0.2		0.1	0.1	0.1		0.1	0.2	0.2
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential		0.2	0.3	0.4	0.2		0.2	0.3	0.4		0.9	1.1	1.3		0.3	0.5	0.6		0.2	0.4	0.4
commercial		0.2	0.3	0.4	0.2		0.1	0.2	0.3		0.8	1.1	1.2		0.3	0.5	0.6		0.2	0.4	0.4
industrial		0.2	0.3	0.4	0.2		0.1	0.3	0.4		0.8	1.1	1.3		0.3	0.5	0.6		0.2	0.4	0.4
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)		0.2	0.3	0.4	0.2		0.1	0.2	0.3		0.8	1.0	1.2		0.3	0.4	0.5		0.1	0.3	0.4
Northeast (2012\$/Mcf)		0.2	0.2	0.2	0.2		(0.1)	(0.2)	(0.2)		0.7	0.8	0.9		0.2	0.3	0.4		0.2	0.3	0.2
Gulf Coast (2012\$/Mcf)		0.2	0.3	0.5	0.2		0.1	0.3	0.5		0.8	1.0	1.3		0.2	0.4	0.6		0.2	0.4	0.5
West Coast (2012\$/Mcf)		0.1	0.2	0.3	0.1		0.2	0.4	0.4		0.8	1.1	1.2		0.3	0.5	0.6		0.1	0.3	0.3
Coal Minemouth Price (2012\$/short-ton)		0.1	0.1	0.1	0.0		(0.0)	0.0	(0.0)		0.2	0.2	0.2		0.1	0.2	0.2		0.2	0.1	0.1
End-Use Electricity Price (2012 cents/Kwh)		0.1	0.1	0.1	0.1		0.0	0.1	0.1		0.3	0.4	0.4		0.1	0.2	0.2		0.1	0.1	0.2
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids		2.0	2.7	2.8	0.8		2.5	3.1	4.7		2.4	2.8	3.2		1.9	2.6	3.0		0.8	0.6	2.8
natural gas		2.3	3.8	5.1	2.3		1.3	2.9	4.1		9.3	11.8	14.2		3.5	5.7	7.0		1.8	4.3	4.7
electricity		2.0	3.4	4.4	1.9		0.8	2.2	2.9		8.4	11.0	13.2		3.2	5.9	6.6		2.9	4.3	6.4
coal		0.0	0.0	0.0	0.0		0.0	0.0	0.0		(0.0)	(0.0)	(0.0)		0.0	0.0	0.0		(0.0)	(0.0)	(0.0)
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
		(0.0)	(0.1)	(0.1)	(0.3)		(0.1)	(0.1)	(0.1)		(0.3)	(0.4)	(0.4)		(0.1)	(0.2)	(0.2)		(0.0)	(0.2)	(0.0)
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal		(4.3)	(8.2)	(10.0)	(3.8)		(4.5)	(8.0)	(10.3)		(27.8)	(35.4)	(40.0)		(7.0)	(13.1)	(16.1)		(2.2)	(10.3)	(18.0)
gas		28.3	34.3	44.9	11.6		20.6	29.0	36.6		28.3	28.2	29.5		21.5	22.9	25.0		0.7	0.7	0.7
nuclear		(35.8)	(50.8)	(63.2)	(20.9)		(37.0)	(51.2)	(64.3)		(62.6)	(74.7)	(83.0)		(36.7)	(46.7)	(56.0)		(8.4)	(21.4)	(30.2)
renewables		0.0	0.0	0.0	0.1		(0.0)	(0.0)	(0.0)		0.2	3.5	3.7		(0.0)	(0.2)	2.9		0.0	0.0	0.0
other		3.0	8.2	8.1	5.4		11.8	14.3	17.4		6.2	7.6	9.7		8.1	10.9	11.9		5.5	10.4	11.6
		0.1	0.1	0.1	0.0		0.1	(0.1)	(0.1)		0.1	0.1	0.1		0.1	0.1	0.1		0.0	(0.0)	0.0
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption		0.3	0.4	0.4	0.1		0.2	0.3	0.2		0.1	0.1	0.1		0.3	0.3	0.3		0.3	0.3	0.4
liquids		0.1	0.1	0.1	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.1	0.0	0.1
natural gas		(0.0)	(0.1)	(0.2)	(0.1)		(0.2)	(0.2)	(0.3)		(0.3)	(0.4)	(0.4)		(0.1)	(0.1)	(0.1)		0.2	0.1	0.2
coal		0.3	0.4	0.5	0.1		0.2	0.3	0.4		0.3	0.3	0.3		0.2	0.2	0.3		0.0	0.0	0.0
other		0.0	0.1	0.1	0.1		0.1	0.1	0.2		0.1	0.1	0.1		0.1	0.1	0.1		0.1	0.1	0.1
Production		2.0	2.7	3.0	0.9		1.2	1.8	2.1		2.3	2.8	3.1		2.0	2.6	2.9		2.3	2.7	3.2
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
		29	32	40	8		14	20	21		15	12	11		20	21	20		14	9	12
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)		12	15	17	3		7	10	13		6	8	10		11	12	14		12	13	17
Total industrial shipments (B 2005\$)		11	11	9	0		1	0	(0)		(9)	(11)	(11)		7	3	4		11	4	20
Non-farm employment (millions)		0	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0
Annual change in Consumer Price Index		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.1%	0.1%	0.1%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%

Table B6. Differential (%) from Base in U.S. Annual Average Values from 2015-25 when Exports are Added

	Reference				High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear Retirements				
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>		105.7%	144.2%	165.2%	51.1%		52.0%	81.1%	97.6%		321.7%	407.6%	453.6%		113.0%	152.0%	174.5%		123.8%	164.0%	189.7%
gross imports		4.7%	5.0%	5.1%	1.6%		4.9%	5.4%	5.6%		7.9%	8.6%	9.2%		4.9%	5.6%	6.1%		3.8%	4.6%	4.5%
gross exports		42.6%	57.2%	65.2%	20.2%		24.9%	37.6%	44.7%		70.2%	87.8%	97.4%		44.1%	58.7%	67.1%		45.7%	60.3%	69.2%
<b>Dry Production</b>																					
shale gas		5.3%	7.1%	8.0%	2.3%		2.7%	4.3%	5.0%		6.8%	8.7%	9.6%		5.2%	7.0%	7.9%		6.3%	7.9%	9.1%
other		8.9%	11.5%	12.8%	3.8%		4.5%	6.7%	7.1%		12.3%	15.5%	17.1%		8.5%	11.5%	12.8%		11.3%	12.9%	15.5%
<b>Consumed Volumes (1)</b>																					
electric generators		-2.8%	-4.0%	-5.0%	-1.8%		-2.5%	-3.4%	-4.6%		-5.3%	-6.4%	-7.2%		-2.7%	-3.3%	-4.1%		-0.6%	-1.3%	-2.0%
industrial		-0.4%	-0.6%	-0.8%	-0.3%		-0.3%	-0.6%	-0.9%		-1.5%	-1.9%	-2.2%		-0.5%	-0.9%	-1.1%		-0.3%	-0.8%	-0.6%
liquefaction		98.2%	133.2%	152.7%	46.6%		49.3%	75.6%	90.3%		221.1%	276.9%	307.9%		103.6%	139.4%	159.2%		108.2%	144.7%	165.0%
residential		-0.3%	-0.5%	-0.6%	-0.2%		-0.3%	-0.4%	-0.5%		-1.1%	-1.3%	-1.4%		-0.4%	-0.7%	-0.7%		-0.2%	-0.5%	-0.5%
commercial		-0.6%	-0.9%	-1.1%	-0.4%		-0.5%	-0.7%	-1.0%		-2.0%	-2.5%	-2.8%		-0.9%	-1.3%	-1.5%		-0.4%	-1.0%	-0.9%
other		4.4%	5.6%	6.1%	1.8%		2.0%	3.1%	3.5%		5.3%	6.5%	7.2%		4.3%	5.4%	6.0%		5.5%	6.3%	7.4%
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential		1.8%	2.8%	3.7%	1.7%		1.5%	2.3%	3.5%		6.8%	8.6%	10.1%		2.7%	4.2%	5.0%		1.4%	3.2%	3.2%
commercial		2.1%	3.3%	4.4%	2.0%		1.5%	2.3%	3.6%		8.0%	9.9%	11.7%		3.2%	4.9%	5.8%		1.7%	3.8%	3.8%
industrial		3.2%	5.5%	7.5%	3.1%		2.6%	5.7%	8.0%		12.4%	16.1%	19.4%		4.8%	7.9%	9.9%		2.5%	6.3%	6.9%
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)		3.7%	6.5%	8.9%	4.0%		2.3%	6.0%	9.0%		15.2%	19.9%	24.1%		5.7%	9.6%	12.1%		3.1%	7.6%	8.4%
Northeast (2012\$/Mcf)		3.6%	4.5%	5.6%	3.8%		-2.7%	-5.7%	-5.9%		13.9%	14.9%	16.4%		5.7%	8.0%	8.6%		3.9%	6.0%	4.3%
Gulf Coast (2012\$/Mcf)		4.2%	7.7%	10.6%	4.5%		2.1%	7.7%	12.3%		15.0%	20.1%	25.1%		5.2%	9.7%	12.8%		4.5%	9.5%	11.5%
West Coast (2012\$/Mcf)		3.1%	5.2%	6.6%	2.7%		4.8%	8.6%	10.4%		14.6%	20.7%	23.6%		6.8%	10.1%	12.2%		2.1%	5.9%	6.8%
Coal Minemouth Price (2012\$/short-ton)		0.2%	0.2%	0.2%	0.1%		0.0%	0.1%	0.0%		0.5%	0.5%	0.5%		0.3%	0.4%	0.4%		0.3%	0.3%	0.2%
End-Use Electricity Price (2012 cents/Kwh)		0.6%	1.1%	1.4%	0.6%		0.3%	0.7%	1.0%		2.8%	3.6%	4.3%		1.0%	1.9%	2.0%		0.9%	1.4%	1.9%
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids		0.3%	0.4%	0.4%	0.1%		0.3%	0.4%	0.6%		0.3%	0.3%	0.4%		0.2%	0.3%	0.4%		0.1%	0.1%	0.4%
natural gas		1.9%	3.2%	4.2%	1.9%		1.2%	2.6%	3.7%		7.3%	9.2%	11.1%		2.9%	4.6%	5.7%		1.5%	3.6%	3.9%
electricity		0.5%	0.9%	1.2%	0.5%		0.2%	0.6%	0.8%		2.2%	2.8%	3.4%		0.8%	1.5%	1.7%		0.8%	1.1%	1.6%
coal		0.3%	0.3%	0.3%	0.1%		0.2%	0.2%	0.2%		-0.1%	-0.2%	-0.3%		0.1%	0.0%	0.1%		0.0%	-0.2%	0.0%
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
		0.0%	-0.1%	-0.2%	-0.5%		-0.1%	-0.2%	-0.2%		-0.5%	-0.6%	-0.6%		-0.1%	-0.2%	-0.3%		0.0%	-0.2%	-0.1%
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal		-0.1%	-0.2%	-0.2%	-0.1%		-0.1%	-0.2%	-0.2%		-0.6%	-0.8%	-0.9%		-0.2%	-0.3%	-0.4%		-0.1%	-0.2%	-0.4%
gas		1.7%	2.1%	2.7%	0.7%		1.4%	1.9%	2.4%		1.7%	1.6%	1.7%		1.3%	1.4%	1.5%		0.0%	0.0%	0.0%
nuclear		-2.8%	-4.0%	-5.0%	-1.6%		-2.5%	-3.5%	-4.4%		-5.5%	-6.5%	-7.2%		-2.7%	-3.4%	-4.1%		-0.6%	-1.5%	-2.1%
renewables		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.4%	0.5%		0.0%	0.0%	0.4%		0.0%	0.0%	0.0%
other		0.5%	1.2%	1.2%	0.8%		1.8%	2.2%	2.7%		0.9%	1.1%	1.4%		1.2%	1.6%	1.8%		0.8%	1.5%	1.7%
Production		0.2%	0.3%	0.3%	0.1%		0.2%	-0.3%	-0.2%		0.2%	0.2%	0.2%		0.2%	0.3%	0.2%		0.0%	0.0%	0.0%
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption		0.3%	0.4%	0.4%	0.1%		0.2%	0.2%	0.2%		0.1%	0.1%	0.1%		0.3%	0.3%	0.3%		0.3%	0.3%	0.4%
liquids		0.1%	0.2%	0.2%	0.0%		0.0%	0.0%	0.0%		0.1%	0.1%	0.1%		0.1%	0.1%	0.1%		0.2%	0.0%	0.3%
natural gas		-0.2%	-0.4%	-0.6%	-0.3%		-0.5%	-0.7%	-1.1%		-1.2%	-1.4%	-1.6%		-0.2%	-0.3%	-0.5%		0.7%	0.5%	0.5%
coal		1.6%	2.0%	2.6%	0.7%		1.3%	1.8%	2.2%		1.6%	1.6%	1.7%		1.2%	1.3%	1.4%		0.0%	0.0%	0.0%
other		0.2%	0.5%	0.4%	0.3%		0.7%	0.8%	1.0%		0.4%	0.6%	0.8%		0.4%	0.6%	0.8%		0.3%	0.6%	0.6%
Production		2.2%	2.9%	3.2%	1.0%		1.2%	1.8%	2.1%		2.5%	3.1%	3.4%		2.1%	2.7%	3.1%		2.5%	2.9%	3.5%
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
		0.5%	0.6%	0.7%	0.2%		0.3%	0.4%	0.4%		0.3%	0.2%	0.2%		0.4%	0.4%	0.4%		0.3%	0.2%	0.2%
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)		0.1%	0.1%	0.1%	0.0%		0.0%	0.1%	0.1%		0.0%	0.1%	0.1%		0.1%	0.1%	0.1%		0.1%	0.1%	0.1%
Total industrial shipments (B 2005\$)		0.1%	0.1%	0.1%	0.0%		0.0%	0.0%	0.0%		-0.1%	-0.1%	-0.1%		0.1%	0.0%	0.0%		0.1%	0.1%	0.3%
Non-farm employment (millions)		0.1%	0.1%	0.1%	0.0%		0.0%	0.1%	0.1%		0.0%	0.1%	0.1%		0.1%	0.1%	0.1%		0.1%	0.1%	0.1%
Annual change in Consumer Price Index		-0.2%	0.4%	1.3%	1.2%		0.3%	0.2%	1.4%		2.6%	3.6%	4.9%		0.0%	1.1%	1.8%		-0.4%	0.2%	0.6%

Table B7. U.S. Annual Averages Values from 2026-40

	Reference					High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear			
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>	5.1	6.6	8.0	9.3	9.3	7.2	6.4	7.7	9.1	2.6	5.1	6.3	7.4	4.7	6.5	7.9	9.2	4.6	6.5	7.8	9.2
gross imports	2.0	2.2	2.1	2.1	2.1	2.2	2.3	2.1	2.1	2.7	3.0	3.1	3.2	2.1	2.2	2.2	2.2	2.1	2.2	2.2	2.2
gross exports	7.1	8.8	10.1	11.4	11.4	9.4	8.7	9.9	11.2	5.3	8.1	9.4	10.6	6.8	8.8	10.0	11.4	6.7	8.7	10.0	11.4
<b>Dry Production</b>	35.3	36.7	37.9	39.1	39.3	40.8	40.0	41.4	42.7	28.7	30.7	31.7	32.6	36.9	38.5	39.7	40.9	37.0	38.8	40.0	41.4
shale gas	18.0	19.0	19.9	20.9	20.8	23.3	22.9	22.7	23.4	12.6	13.9	14.6	15.2	19.1	20.3	21.2	22.0	19.2	20.4	21.4	22.2
other	17.3	17.6	17.9	18.3	18.5	17.5	17.1	18.7	19.3	16.2	16.8	17.1	17.4	17.8	18.2	18.5	18.9	17.9	18.4	18.6	19.2
<b>Consumed Volumes (1)</b>	30.0	29.9	29.8	29.7	29.8	33.5	33.4	33.5	33.5	26.0	25.5	25.3	25.2	32.1	31.8	31.7	31.6	32.3	32.2	32.1	32.1
electric generators	10.4	10.1	9.9	9.7	9.8	12.8	12.9	12.8	12.6	7.8	7.2	6.9	6.6	11.4	11.0	10.7	10.4	12.8	12.4	12.2	12.1
industrial	8.6	8.5	8.5	8.5	8.5	8.9	8.9	8.8	8.8	8.2	8.0	8.0	8.0	9.2	9.1	9.1	9.1	8.5	8.5	8.4	8.4
liquefaction	0.3	0.5	0.7	0.8	0.8	0.5	0.4	0.6	0.7	0.2	0.5	0.7	0.8	0.3	0.5	0.7	0.8	0.3	0.5	0.7	0.8
residential	4.3	4.2	4.2	4.2	4.2	4.4	4.4	4.4	4.4	4.1	4.1	4.1	4.1	4.5	4.5	4.5	4.5	4.3	4.2	4.2	4.2
commercial	3.4	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.2	3.1	3.1	3.1	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
other	3.1	3.1	3.2	3.2	3.2	3.4	3.3	3.4	3.5	2.5	2.6	2.6	2.7	3.3	3.3	3.4	3.4	3.1	3.2	3.2	3.3
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential	14.5	14.8	15.0	15.3	15.2	12.7	12.7	12.7	12.8	17.1	17.9	18.3	18.5	15.1	15.4	15.6	15.8	14.8	15.2	15.4	15.7
commercial	11.9	12.2	12.4	12.7	12.6	10.1	10.0	10.1	10.1	14.6	15.4	15.7	16.0	12.3	12.7	12.9	13.1	12.2	12.7	12.9	13.2
industrial	7.6	7.9	8.1	8.3	8.3	5.7	5.6	5.7	5.8	10.0	10.7	11.1	11.4	7.9	8.3	8.4	8.6	8.0	8.4	8.5	8.8
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)	6.2	6.5	6.7	6.9	6.9	4.4	4.3	4.3	4.4	8.6	9.3	9.6	9.9	6.5	6.8	7.0	7.2	6.6	7.0	7.1	7.4
Northeast (2012\$/Mcf)	6.6	7.0	7.1	7.4	7.2	5.1	5.0	4.9	4.9	9.9	10.8	11.1	11.1	7.1	7.4	7.6	7.8	7.1	7.6	7.8	8.2
Gulf Coast (2012\$/Mcf)	6.3	6.5	6.7	6.9	6.9	4.2	4.1	4.2	4.3	8.5	9.2	9.6	9.9	6.6	6.9	7.0	7.2	6.6	7.0	7.1	7.3
West Coast (2012\$/Mcf)	6.3	6.7	6.8	7.0	7.0	4.6	4.6	4.6	4.7	8.4	8.9	9.2	9.5	6.6	6.9	7.1	7.2	6.7	7.2	7.3	7.4
Coal Minemouth Price (2012\$/short-ton)	54.8	54.9	54.9	54.8	54.9	53.9	53.9	54.0	53.9	55.1	55.0	55.0	55.0	55.7	55.7	55.7	55.7	90.2	90.2	90.3	90.3
End-Use Electricity Price (2012 cents/kwh)	10.6	10.8	10.8	10.9	10.9	9.8	9.8	9.8	9.8	11.6	11.9	12.0	12.1	10.9	11.0	11.1	11.2	11.6	11.8	11.9	11.9
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids	889.5	893.0	893.8	894.6	893.5	834.3	834.4	834.0	832.8	899.9	902.2	902.9	903.9	962.1	966.7	967.3	969.6	880.2	883.6	881.7	885.8
natural gas	155.9	158.8	160.9	163.3	163.1	131.9	131.0	130.8	132.0	181.7	188.6	191.6	194.4	171.9	175.4	177.4	179.5	159.2	163.7	165.3	168.3
electricity	442.7	447.4	449.8	453.1	452.5	418.6	418.5	418.1	419.2	471.8	479.5	482.5	484.7	485.2	489.8	493.5	495.7	469.5	476.1	478.7	481.3
coal	8.6	8.7	8.7	8.7	8.6	8.5	8.5	8.5	8.5	8.6	8.5	8.5	8.5	10.3	10.4	10.3	10.4	11.7	11.7	11.7	11.7
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
liquids	66.0	65.9	65.8	65.7	65.6	68.3	68.2	68.1	68.0	64.3	64.0	63.9	63.8	70.2	70.1	70.0	69.9	65.1	65.1	64.8	64.9
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal	4,933.7	4,922.8	4,912.1	4,904.0	4,901.6	5,071.8	5,079.6	5,070.2	5,065.6	4,790.9	4,756.4	4,744.4	4,733.5	5,284.0	5,272.0	5,261.3	5,251.9	4,822.4	4,804.0	4,794.1	4,786.1
gas	1,686.4	1,703.5	1,708.3	1,718.9	1,699.4	1,533.9	1,531.9	1,535.7	1,548.5	1,756.0	1,777.2	1,772.9	1,775.4	1,736.7	1,745.3	1,747.7	1,750.6	1,250.0	1,250.9	1,250.9	1,250.9
nuclear	1,641.4	1,595.8	1,561.0	1,530.5	1,549.7	1,986.9	1,987.6	1,973.1	1,950.1	1,240.1	1,136.1	1,090.9	1,047.7	1,813.3	1,749.8	1,709.0	1,664.6	2,021.1	1,974.6	1,942.5	1,915.1
renewables	787.3	793.6	804.3	809.6	807.4	779.3	779.3	779.3	779.3	871.1	891.5	938.3	942.9	827.5	843.3	857.4	884.3	676.9	694.6	702.3	708.9
other	776.2	787.4	796.0	802.5	802.7	729.7	738.9	740.3	745.8	881.2	909.0	899.7	925.0	863.5	890.6	904.2	909.4	833.7	843.2	857.8	870.5
other	42.4	42.5	42.5	42.5	42.4	41.9	41.8	41.8	41.9	42.5	42.6	42.5	42.5	43.1	43.1	43.1	43.1	40.7	40.7	40.7	40.7
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
consumption	104.1	104.4	104.5	104.7	104.6	101.3	101.5	101.5	101.5	100.1	100.2	100.2	100.2	103.0	103.3	103.3	103.3	99.2	99.6	99.5	99.6
liquids	35.6	35.7	35.7	35.7	35.7	37.0	37.0	37.0	37.0	36.6	36.6	36.6	36.6	37.5	37.6	37.6	37.6	36.5	36.5	36.5	36.6
natural gas	30.7	30.5	30.4	30.3	30.5	29.6	29.4	29.4	29.2	26.3	26.0	25.9	25.9	28.6	28.5	28.5	28.5	28.9	29.1	29.0	29.0
coal	18.9	19.1	19.2	19.3	19.1	17.2	17.4	17.5	17.6	19.3	19.6	19.6	19.6	19.0	19.3	19.3	19.3	16.0	16.0	16.0	16.0
other	18.9	19.1	19.3	19.4	19.4	17.4	17.6	17.6	17.6	17.9	18.0	18.1	18.1	17.8	17.9	17.9	18.0	17.9	17.9	18.0	18.0
Production	99.9	101.8	103.4	104.9	104.8	98.9	100.1	100.7	101.0	90.6	92.8	93.4	93.7	95.0	97.0	97.6	97.9	92.0	94.3	94.7	95.2
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
	5,547	5,562	5,562	5,571	5,556	5,464	5,477	5,483	5,485	5,462	5,477	5,474	5,473	5,614	5,634	5,635	5,634	5,276	5,290	5,285	5,289
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)	22,778	22,792	22,806	22,820	22,815	22,993	22,990	23,003	23,016	22,670	22,694	22,704	22,711	24,674	24,690	24,707	24,722	22,696	22,713	22,730	22,742
Total industrial shipments (B 2005\$)	9,967	9,984	9,989	9,991	9,979	10,339	10,342	10,338	10,334	9,749	9,754	9,753	9,749	11,388	11,406	11,409	11,417	9,896	9,921	9,918	9,931
Non-farm employment (millions)	162	162	162	162	162	162	162	162	163	161	161	161	161	170	170	170	170	161	161	162	162
Annual change in Consumer Price Index	2.3%	2.3%	2.3%	2.3%	2.3%	2.2%	2.2%	2.2%	2.1%	2.3%	2.3%	2.3%	2.3%	2.0%	2.0%	2.0%	2.0%	2.3%	2.3%	2.3%	2.3%

Table B8. Differential from Base in U.S. Annual Average Values from 2026-40 when Exports are Added

	Reference				High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear Retirements				
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>		1.5	2.8	4.2	4.2		(0.8)	0.6	1.9		2.4	3.6	4.7		1.8	3.2	4.6		1.9	3.2	4.6
gross imports		0.2	0.1	0.1	0.1		0.1	(0.1)	(0.1)		0.4	0.4	0.6		0.1	0.1	0.1		0.1	0.1	0.1
gross exports		1.7	3.0	4.3	4.3		(0.7)	0.5	1.8		2.8	4.1	5.3		2.0	3.3	4.6		2.0	3.3	4.7
<b>Dry Production</b>		1.4	2.6	3.9	4.0		(0.8)	0.6	1.9		1.9	3.0	3.9		1.6	2.8	4.0		1.7	3.0	4.3
shale gas		1.1	2.0	2.9	2.9		(0.4)	(0.6)	0.1		1.3	2.0	2.6		1.2	2.1	3.0		1.2	2.2	3.1
other		0.3	0.6	0.9	1.1		(0.5)	1.2	1.8		0.6	1.0	1.3		0.4	0.7	1.1		0.5	0.8	1.3
<b>Consumed Volumes (1)</b>		(0.1)	(0.3)	(0.3)	(0.2)		(0.1)	0.0	(0.0)		(0.5)	(0.7)	(0.8)		(0.2)	(0.4)	(0.5)		(0.1)	(0.2)	(0.2)
electric generators		(0.3)	(0.5)	(0.7)	(0.6)		0.1	0.0	(0.2)		(0.6)	(0.9)	(1.2)		(0.4)	(0.7)	(1.0)		(0.3)	(0.5)	(0.7)
industrial		(0.0)	(0.1)	(0.1)	(0.1)		(0.0)	(0.1)	(0.1)		(0.1)	(0.2)	(0.2)		(0.1)	(0.1)	(0.1)		(0.0)	(0.1)	(0.1)
liquefaction		0.2	0.3	0.5	0.5		(0.1)	0.1	0.2		0.3	0.5	0.6		0.2	0.4	0.5		0.2	0.4	0.5
residential		(0.0)	(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)		(0.0)	(0.1)	(0.1)		(0.0)	(0.0)	(0.0)		(0.0)	(0.0)	(0.0)
commercial		(0.0)	(0.0)	(0.1)	(0.1)		0.0	(0.0)	(0.0)		(0.1)	(0.1)	(0.1)		(0.0)	(0.0)	(0.1)		(0.0)	(0.0)	(0.1)
other		0.1	0.1	0.1	0.2		(0.1)	(0.0)	0.1		0.1	0.1	0.2		0.1	0.1	0.2		0.1	0.1	0.2
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential		0.3	0.5	0.8	0.8		0.0	0.1	0.1		0.8	1.1	1.4		0.4	0.6	0.8		0.5	0.7	1.0
commercial		0.3	0.5	0.8	0.7		(0.0)	(0.0)	0.1		0.8	1.1	1.4		0.3	0.5	0.8		0.4	0.7	0.9
industrial		0.3	0.5	0.7	0.7		(0.0)	(0.0)	0.1		0.7	1.0	1.3		0.3	0.5	0.7		0.4	0.6	0.8
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)		0.3	0.5	0.7	0.7		(0.1)	(0.1)	(0.0)		0.7	1.0	1.3		0.3	0.5	0.6		0.4	0.6	0.8
Northeast (2012\$/Mcf)		0.3	0.5	0.7	0.6		(0.2)	(0.3)	(0.2)		0.9	1.1	1.2		0.3	0.5	0.7		0.5	0.7	1.1
Gulf Coast (2012\$/Mcf)		0.2	0.4	0.6	0.7		(0.0)	0.0	0.1		0.7	1.1	1.4		0.3	0.5	0.6		0.3	0.5	0.7
West Coast (2012\$/Mcf)		0.4	0.5	0.7	0.7		0.0	0.1	0.2		0.5	0.9	1.1		0.3	0.5	0.6		0.5	0.6	0.7
Coal Minemouth Price (2012\$/short-ton)		0.1	0.1	0.0	0.1		(0.1)	0.0	0.0		(0.1)	(0.0)	(0.1)		0.0	0.0	0.1		0.1	0.1	0.1
End-Use Electricity Price (2012 cents/Kwh)		0.1	0.2	0.3	0.3		(0.0)	(0.0)	0.0		0.3	0.4	0.4		0.1	0.2	0.3		0.2	0.3	0.4
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids		3.5	4.3	5.1	4.0		0.1	(0.4)	(1.5)		2.3	2.9	3.9		4.7	5.3	7.5		3.4	1.5	5.6
natural gas		3.0	5.0	7.4	7.2		(0.9)	(1.0)	0.1		6.9	9.9	12.6		3.4	5.5	7.6		4.5	6.1	9.2
electricity		4.7	7.2	10.4	9.8		(0.1)	(0.4)	0.7		7.7	10.7	12.9		4.6	8.3	10.5		6.6	9.2	11.8
coal		0.0	0.0	0.0	0.0		0.0	0.0	0.0		(0.0)	(0.0)	(0.1)		0.0	0.0	0.0		0.0	0.0	0.0
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
		(0.1)	(0.1)	(0.2)	(0.4)		(0.1)	(0.2)	(0.3)		(0.3)	(0.4)	(0.5)		(0.1)	(0.2)	(0.2)		(0.0)	(0.3)	(0.2)
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal		(10.9)	(21.6)	(29.7)	(32.1)		7.8	(1.6)	(6.2)		(34.5)	(46.6)	(57.5)		(12.0)	(22.7)	(32.1)		(18.4)	(28.4)	(36.4)
gas		17.1	21.9	32.5	13.0		(1.9)	1.8	14.6		21.2	16.9	19.3		8.6	11.1	13.9		0.9	0.9	0.9
nuclear		(45.5)	(80.4)	(110.9)	(91.7)		0.7	(13.8)	(36.8)		(104.0)	(149.2)	(192.3)		(63.5)	(104.4)	(148.8)		(46.5)	(78.6)	(106.0)
renewables		6.3	17.0	22.3	20.1		(0.0)	0.0	0.0		20.5	67.2	71.8		15.8	29.9	56.8		17.7	25.3	32.0
other		11.1	19.8	26.3	26.5		9.1	10.6	16.0		27.8	18.4	43.8		27.2	40.7	46.0		9.4	24.0	36.8
		0.1	0.1	0.1	0.0		(0.1)	(0.1)	0.0		0.0	(0.0)	(0.0)		0.0	0.0	0.0		(0.0)	(0.0)	(0.0)
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption		0.3	0.5	0.7	0.5		0.2	0.3	0.2		0.1	0.1	0.1		0.3	0.3	0.3		0.3	0.3	0.4
liquids		0.1	0.1	0.2	0.1		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.1	0.0	0.1
natural gas		(0.1)	(0.3)	(0.3)	(0.2)		(0.2)	(0.2)	(0.3)		(0.3)	(0.4)	(0.4)		(0.1)	(0.1)	(0.1)		0.2	0.1	0.2
coal		0.2	0.2	0.3	0.1		0.2	0.3	0.4		0.3	0.3	0.3		0.2	0.2	0.3		0.0	0.0	0.0
other		0.2	0.4	0.5	0.5		0.1	0.1	0.2		0.1	0.1	0.1		0.1	0.1	0.1		0.1	0.1	0.1
Production		1.9	3.4	5.0	4.9		1.2	1.8	2.1		2.3	2.8	3.1		2.0	2.6	2.9		2.3	2.7	3.2
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
		15	15	24	9		14	20	21		15	12	11		20	21	20		14	9	12
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)		15	29	42	38		(3)	10	23		24	34	42		16	32	48		17	34	47
Total industrial shipments (B 2005\$)		17	22	24	12		3	(1)	(5)		5	4	0		18	22	29		24	21	35
Non-farm employment (millions)		0	0	0	0		(0)	0	0		0	0	0		0	0	0		0	0	0
Annual change in Consumer Price Index		0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	-0.1%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%



Table B9. Differential (%) from Base in U.S. Annual Average Values from 2026-40 when Exports are Added

	Reference				High Oil and Gas Resource				Low Oil and Gas Resource				High Macroeconomic Growth				Accelerated Coal and Nuclear				
	baseline	12 Bcf	16 Bcf	20 Bcf	Alt 20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf	baseline	12 Bcf	16 Bcf	20 Bcf
<b>NATURAL GAS VOLUMES (Tcf)</b>																					
<b>Net Exports</b>		29.1%	55.4%	81.5%	81.6%		-10.7%	8.2%	26.9%		91.6%	138.2%	179.7%		39.5%	67.9%	97.3%		40.3%	69.0%	98.8%
gross imports		9.3%	7.6%	5.6%	6.4%		3.2%	-4.4%	-6.3%		14.3%	15.7%	22.3%		6.8%	3.5%	3.9%		6.2%	5.0%	4.9%
gross exports		23.6%	42.1%	60.5%	60.8%		-7.4%	5.2%	19.1%		52.8%	76.7%	100.7%		29.4%	48.1%	68.5%		29.8%	49.3%	69.8%
<b>Dry Production</b>		3.9%	7.4%	10.9%	11.3%		-2.1%	1.4%	4.6%		6.8%	10.4%	13.6%		4.4%	7.6%	10.9%		4.7%	8.1%	11.7%
shale gas		5.9%	11.0%	16.3%	15.9%		-1.7%	-2.6%	0.5%		10.5%	16.0%	20.8%		6.5%	11.0%	15.6%		6.2%	11.6%	15.9%
other		1.8%	3.5%	5.4%	6.6%		-2.6%	6.8%	10.1%		3.8%	6.0%	7.9%		2.1%	3.9%	5.9%		3.0%	4.2%	7.3%
<b>Consumed Volumes (1)</b>		-0.4%	-0.8%	-1.1%	-0.6%		-0.2%	0.0%	-0.1%		-1.8%	-2.5%	-3.2%		-0.7%	-1.2%	-1.6%		-0.4%	-0.7%	-0.7%
electric generators		-2.6%	-5.0%	-6.8%	-5.8%		0.7%	0.0%	-1.4%		-8.2%	-11.9%	-15.6%		-3.5%	-5.9%	-8.4%		-2.5%	-4.0%	-5.4%
industrial		-0.5%	-0.9%	-1.4%	-1.3%		-0.4%	-0.8%	-1.1%		-1.6%	-2.1%	-2.7%		-0.6%	-1.1%	-1.4%		-0.5%	-1.2%	-1.4%
liquefaction		48.7%	91.3%	133.9%	132.0%		-14.3%	14.3%	42.9%		148.0%	218.0%	288.1%		66.1%	113.3%	160.5%		67.6%	115.2%	162.9%
residential		-0.4%	-0.6%	-0.9%	-0.9%		0.0%	-0.1%	-0.2%		-1.0%	-1.4%	-1.7%		-0.5%	-0.7%	-0.9%		-0.5%	-0.8%	-1.1%
commercial		-0.7%	-1.2%	-1.7%	-1.7%		0.1%	-0.1%	-0.4%		-1.7%	-2.3%	-2.9%		-0.9%	-1.2%	-1.7%		-0.9%	-1.4%	-2.0%
other		1.8%	3.2%	4.6%	5.4%		-2.0%	-0.1%	1.7%		3.6%	5.0%	6.8%		2.0%	3.5%	4.9%		2.4%	4.3%	6.3%
<b>NATURAL GAS END-USE PRICES (2012\$/Mcf)</b>																					
residential		2.3%	3.7%	5.4%	5.2%		0.1%	0.5%	1.1%		4.7%	6.7%	8.3%		2.4%	3.8%	5.1%		3.1%	4.5%	6.5%
commercial		2.7%	4.4%	6.4%	6.2%		-0.3%	0.0%	0.7%		5.5%	7.7%	9.4%		2.8%	4.5%	6.1%		3.7%	5.3%	7.7%
industrial		3.9%	6.5%	9.5%	9.3%		-0.9%	-0.3%	1.9%		7.1%	10.3%	13.3%		4.1%	6.4%	8.6%		5.1%	7.2%	10.3%
<b>OTHER PRICES</b>																					
Natural Gas Lower 48 Supply Price (2012\$/Mcf)		4.6%	7.9%	11.4%	10.9%		-2.5%	-2.3%	-0.3%		8.3%	11.9%	15.2%		4.6%	7.5%	9.9%		6.0%	8.7%	12.2%
Northeast (2012\$/Mcf)		4.8%	7.6%	10.9%	9.0%		-3.3%	-5.0%	-4.5%		8.8%	11.3%	11.8%		4.1%	7.2%	10.5%		6.8%	9.8%	14.8%
Gulf Coast (2012\$/Mcf)		3.7%	6.8%	10.2%	10.8%		-0.6%	0.5%	2.9%		8.1%	12.4%	16.3%		4.6%	7.4%	9.3%		5.2%	7.7%	10.7%
West Coast (2012\$/Mcf)		5.6%	7.9%	11.4%	11.2%		1.0%	1.7%	3.9%		6.4%	10.3%	13.6%		4.9%	7.0%	8.8%		7.2%	8.8%	10.2%
Coal Minemouth Price (2012\$/short-ton)		0.2%	0.2%	0.1%	0.2%		-0.1%	0.1%	0.0%		-0.1%	-0.1%	-0.1%		0.0%	0.0%	0.2%		0.1%	0.1%	0.1%
End-Use Electricity Price (2012 cents/kwh)		1.3%	2.0%	2.9%	2.8%		-0.1%	-0.2%	0.3%		2.2%	3.0%	3.7%		1.1%	2.2%	2.7%		1.7%	2.5%	3.2%
<b>END-USE ENERGY EXPENDITURES (B 2012\$)</b>																					
liquids		0.8%	1.1%	1.5%	1.4%		-0.1%	-0.1%	-0.1%		1.1%	1.5%	1.9%		0.8%	1.2%	1.6%		1.0%	1.1%	1.7%
natural gas		1.9%	3.2%	4.7%	4.6%		-0.7%	-0.8%	0.1%		3.8%	5.4%	7.0%		2.0%	3.2%	4.4%		2.9%	3.8%	5.8%
electricity		1.1%	1.6%	2.4%	2.2%		0.0%	-0.1%	0.2%		1.6%	2.3%	2.7%		0.9%	1.7%	2.2%		1.4%	2.0%	2.5%
coal		0.5%	0.4%	0.3%	0.0%		0.2%	0.2%	0.1%		-0.4%	-0.5%	-0.7%		0.3%	0.1%	0.2%		0.1%	0.1%	0.0%
<b>END-USE ENERGY CONSUMPTION (quadrillion Btu)</b>																					
		-0.1%	-0.2%	-0.3%	-0.5%		-0.1%	-0.3%	-0.4%		-0.4%	-0.6%	-0.7%		-0.1%	-0.3%	-0.3%		0.0%	-0.4%	-0.4%
<b>ELECTRIC GENERATION (billion kWh)</b>																					
coal		-0.2%	-0.4%	-0.6%	-0.7%		0.2%	0.0%	-0.1%		-0.7%	-1.0%	-1.2%		-0.2%	-0.4%	-0.6%		-0.4%	-0.6%	-0.8%
gas		1.0%	1.3%	1.9%	0.8%		-0.1%	0.1%	0.9%		1.2%	1.0%	1.1%		0.5%	0.6%	0.8%		0.1%	0.1%	0.1%
nuclear		-2.8%	-4.9%	-6.8%	-5.6%		0.0%	-0.7%	-1.9%		-8.4%	-12.0%	-15.5%		-3.5%	-5.8%	-8.2%		-2.3%	-3.9%	-5.2%
renewables		0.8%	2.2%	2.8%	2.5%		0.0%	0.0%	0.0%		2.3%	7.7%	8.2%		1.9%	3.6%	6.9%		2.6%	3.7%	4.7%
other		1.4%	2.5%	3.4%	3.4%		1.3%	1.4%	2.2%		3.2%	2.1%	5.0%		3.1%	4.7%	5.3%		1.1%	2.9%	4.4%
		0.2%	0.2%	0.3%	0.1%		-0.2%	-0.3%	0.0%		0.1%	0.0%	0.0%		0.0%	0.1%	0.1%		0.0%	-0.1%	0.0%
<b>PRIMARY ENERGY (quadrillion Btu)</b>																					
Consumption		0.3%	0.5%	0.6%	0.5%		0.2%	0.2%	0.2%		0.1%	0.1%	0.1%		0.3%	0.3%	0.3%		0.3%	0.3%	0.4%
liquids		0.3%	0.4%	0.5%	0.3%		0.0%	0.0%	0.0%		0.1%	0.1%	0.1%		0.1%	0.1%	0.1%		0.2%	0.0%	0.3%
natural gas		-0.4%	-0.8%	-1.1%	-0.6%		-0.5%	-0.7%	-1.1%		-1.2%	-1.4%	-1.6%		-0.2%	-0.3%	-0.5%		0.7%	0.5%	0.5%
coal		1.0%	1.2%	1.8%	0.7%		1.3%	1.8%	2.2%		1.6%	1.6%	1.7%		1.2%	1.3%	1.4%		0.0%	0.0%	0.0%
other		0.9%	1.9%	2.6%	2.5%		0.7%	0.8%	1.0%		0.4%	0.6%	0.8%		0.4%	0.6%	0.8%		0.3%	0.6%	0.6%
Production		1.9%	3.4%	5.0%	4.9%		1.2%	1.8%	2.1%		2.5%	3.1%	3.4%		2.1%	2.7%	3.1%		2.5%	2.9%	3.5%
<b>ENERGY RELATED CO2 EMISSIONS (including liquefaction) (million metric tons)</b>																					
		0.3%	0.3%	0.4%	0.2%		0.3%	0.4%	0.4%		0.3%	0.2%	0.2%		0.4%	0.4%	0.4%		0.3%	0.2%	0.2%
<b>ECONOMIC INDICATORS</b>																					
Gross Domestic Product (B 2005 chain-weighted \$)		0.1%	0.1%	0.2%	0.2%		0.0%	0.0%	0.1%		0.1%	0.1%	0.2%		0.1%	0.1%	0.2%		0.1%	0.2%	0.2%
Total industrial shipments (B 2005\$)		0.2%	0.2%	0.2%	0.1%		0.0%	0.0%	-0.1%		0.1%	0.0%	0.0%		0.2%	0.2%	0.3%		0.2%	0.2%	0.4%
Non-farm employment (millions)		0.1%	0.1%	0.2%	0.1%		0.0%	0.0%	0.1%		0.1%	0.1%	0.1%		0.1%	0.1%	0.2%		0.1%	0.1%	0.2%
Annual change in Consumer Price Index		0.2%	0.1%	-0.1%	-0.2%		-0.2%	-0.8%	-1.8%		-1.7%	-1.8%	-2.4%		0.3%	-0.1%	0.0%		0.7%	0.1%	0.3%