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Supplement to:
Energy Market and Economic Impacts of S. 280, the Climate Stewardship and Innovation Act of 2007

Table 1. Key Natural Gas Indicators, Reference Case and Alternative S. 280 Cases

	2005	2020					2030				
		Refer-ence	S. 280 Core	RefNB	RefNB + noCCS	RefNBLNG + noCCS	Refer-ence	S. 280 Core	RefNB	RefNB + noCCS	RefNBLNG + noCCS
Natural Gas Generation (bkwh)	752	1050	1056	1216	1292	1266	919	794	1259	1671	1540
Total Natural Gas Use (tcf)	22.0	26.3	25.5	26.4	26.8	26.7	26.1	24.3	27.1	29.5	28.4
Natural Gas for Generation (tcf)	5.8	7.1	6.5	7.5	8.0	7.8	5.8	4.1	6.8	9.3	8.5
LNG Supply (tcf)	0.6	3.7	3.4	3.7	4.0	3.7	4.6	3.5	5.1	6.3	4.5
CO_2 Permit Price ($/ton)	n/a	n/a	22.20	24.60	28.30	28.60	n/a	47.90	53.10	61.20	61.80
Natural Gas Price at Henry Hub ($/mmbtu)	8.60	5.71	5.46	5.72	5.79	5.81	6.44	6.12	6.73	7.17	7.55
Natural Gas Price to Generators[6] ($/mmbtu)	8.17	5.75	6.54	7.03	7.37	7.40	6.24	8.15	9.30	10.44	10.75
Residential Natural Gas Prices ($mmbtu)	12.43	10.51	10.31	10.53	10.62	10.64	11.32	11.00	11.63	12.03	12.41
Electricity Price (cents/kwh)	8.1	7.9	8.7	9.0	9.3	9.3	8.0	9.7	11.0	11.4	11.6

Notes: bkwh = billion kilowatthours, tcf = trillion cubic feet, $/ton = 2005 dollars per ton CO_2, $/mmbtu = 2005 dollars per million Btu, cents/kwh = 2005 cents per kilowatthour.
Source: Energy Information Administration, National Energy Modeling System runs: S280BASE.D060107A, S280.D060107A, S280NUCBIO.D092807A, S280CCS.D092807A, and S280GAS.D100107A.

Table 2. International Emissions Baseline, Abatement Commitments, and Assumed Abatement Demand, 2010-2030

(million metric tons carbon dioxide equivalent)

	Emissions Baseline		Abatement Commitment		Cap		Abatement Demand		
	Group 1	Group 2	Group 1	Group 2	Group 1	Group 2	Group 1	Group 2	Total
1990	8,188	16,268	Baseline	Baseline	8,188	16,268	0	0	0
2010	9,027	24,463	5.0 % below 1990	Baseline	7,778	24,463	1,248	0	1,248
2015	9,184	27,389	8.2 % below 1990	Baseline	7,516	27,389	1,667	0	1,667
2020	9,317	30,289	16.4 % below 1990	Baseline	6,845	30,289	2,472	0	2,472
2025	9,412	32,856	16.4 % below 1990	2020 level	6,845	27,389	2,567	2,567	5,134
2030	9,520	35,527	26.4 % below 1990	2020 level	6,026	27,389	3,494	5,238	8,732

Source: Energy Information Administration, Office of Integrated Analysis and Forecasting.