

**Table 1. Summary of Greenhouse Gas Emission Results, Reference, S.139, and SA.2028 Cases, 2010 and 2025 (million metric tons of carbon equivalent)**

	2001	2010			2025		
		Refer- ence	S.139	SA.2028	Refer- ence	S.139	SA.2028
<b>Greenhouse Gas Emissions</b>							
Energy-Related Carbon Dioxide	1,559	1,802	1,710	1,746	2,234	1,482	1,777
Non-Energy Carbon Dioxide	36	40	40	40	46	46	46
Methane	175	178	115	120	172	120	113
Nitrous Oxide	119	127	121	121	143	137	137
High-GWP Gases (HFCs, PFCs, and SF6)	39	84	50	52	209	106	107
<b>Total</b>	<b>1,928</b>	<b>2,230</b>	<b>2,036</b>	<b>2,079</b>	<b>2,806</b>	<b>1,891</b>	<b>2,181</b>
<b>S.139 Compliance Summary</b>							
Covered Energy-Related Carbon Dioxide	1,379	1,605	1,513	1,549	2,014	1,257	1,556
Other Covered GHG Emissions	75	124	70	72	251	128	129
<b>Total Covered Emissions</b>	<b>1,454</b>	<b>1,729</b>	<b>1,583</b>	<b>1,621</b>	<b>2,265</b>	<b>1,385</b>	<b>1,685</b>
<b>Offset Reductions: Purchased</b>							
Noncovered Greenhouse Gases			49	44		39	46
Increases in Biological Carbon Sequestration			113	104		87	112
International Offsets			73	51		0	62
<b>Total Offset Reductions</b>			<b>235</b>	<b>199</b>		<b>126</b>	<b>220</b>
Covered Emissions, less Offsets	1,454	1,729	1,349	1,423	2,265	1,259	1,465
Emission Allowances Issued			1,465	1,465		1,258	1,465
Net Allowance Bank Change (+deposit, - withdrawal)			117	42		-1	0
<b>Allowance Price</b>							
(2001 dollars per metric ton carbon equivalent)			79	55		221	167
(2001 dollars per metric ton carbon dioxide equivalent)			22	15		60	46
<b>Offset Trading Price</b>							
(2001 dollars per metric ton carbon equivalent)			71	55		52	106
(2001 dollars per metric ton carbon dioxide equivalent)			19	15		14	29

GWP=Global warming potential.

Source: Office of Integrated Analysis and Forecasting, National Energy Modeling System runs MLBASE.D050303A, MLBILL.D050503A, and SA2028.D051104A. Data on greenhouse gas emissions for 2001 from Energy Information Administration, *Emissions of Greenhouse Gases in the United States 2001*. Forecasts of reference case greenhouse gas emissions other than carbon dioxide from reference materials provided by the U.S. Environmental Protection Agency (EPA). The EPA data included a business-as-usual case, developed in preparing the *Climate Change Action Plan 2001* and extrapolated to 2025.