

Corporate Inventory - Non-U.S. (OPTIONAL 1)	Base Year	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8 Goal Year	Year 9	Year 10
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
EMISSIONS - Annual CO₂-eq. (metric tons)										
Direct Emissions										
Stationary Combustion Sources										
Mobile Combustion Sources										
Refrigeration / AC Equip. Use										
Process / Fugitive (specify source):										
CH4 Leakage										
CO2 Leakage										
SF6 Leakage										
Total Direct Emissions	0	0	0	0	0	0	0	0	0	0
Indirect Emissions										
Purchased and Used Electricity										
Purchased and Used Steam										
Purchased and Used Hot Water										
Purchased and Used Chilled Water										
Total Indirect Emissions	0	0	0	0	0	0	0	0	0	0
Optional Emissions (specify source):										
Optional emissions from stationary combustion at facilities held under operating leases										
Optional emissions from purchased electricity at facilities held under operating leases										
Total Optional Emissions	0	0	0	0	0	0	0	0	0	0
Direct + Indirect + Optional Emissions										
Total Non-U.S. Emissions	0	0	0	0	0	0	0	0	0	0

REQUIRED SUPPLEMENTAL INFORMATION										
Biomass CO₂ Emissions - (metric tons/yr.)										
Total Stationary - Biomass CO₂										
Total Mobile - Biomass CO₂										

OPTIONAL CFC/HCFC SUPPLEMENTAL INFORMATION - (metric tons/yr.)										
CFC and HCFC Emissions										
Total - CFC										
Total - HCFC										

OPTIONAL ELECTRICITY/STEAM SALES INFORMATION (Non-Utilities with Normalized Targets)										
Emissions Allocated to Sold Electricity/Steam										
Total - CO₂-eq. from Electricity Sales (metric tons)										
Total - CO₂-eq. from Steam Sales (metric tons)										
Total - MWh of Electricity Sales										
Total - BTUs of Steam Sales										
Total - metric tons CO₂-eq. per MWh of Elec. Sales	--	--	--	--	--	--	--	--	--	--
Total - metric tons CO₂-eq. per BTU of Steam Sales	--	--	--	--	--	--	--	--	--	--

Corporate Inventory - Total (U.S. + Non-U.S.)	Base Year	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8 Goal Year	Year 9	Year 10
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
EMISSIONS - Annual CO₂-eq. (metric tons)										
Direct Emissions										
Stationary Combustion Sources	14,144,682	11,588,163	12,729,745	11,012,205	12,024,948	10,660,357	9,840,130	8,967,881	8,321,189	8,854,922
Mobile Combustion Sources	47,710	41,680	41,771	45,664	51,274	40,655	64,559	56,336	44,889	50,452
Refrigeration / AC Equip. Use	3,240	1,058	590	2,727	--	72	72	--	2,723	3,872
Process / Fugitive (specify source):										
CH4 Leakage	219,728	208,426	211,275	209,108	208,222	204,755	201,888	198,824	213,795	214,586
CO2 Leakage	12,626	3,906	10,164	16,853	6,855	2,021	2,523	3,666	2,220	1,976
SF6 Leakage	853,989	391,518	244,353	453,798	449,083	222,801	174,651	204,881	136,172	119,889

Total Direct Emissions	15,281,975	12,234,751	13,237,898	11,740,355	12,740,382	11,130,661	10,283,823	9,431,588	8,720,988	9,245,697
Indirect Emissions										
Purchased and Used Electricity	373,400	376,777	336,470	271,059	245,052	240,116	238,131	233,295	232,425	269,685
Purchased and Used Steam	--	--	--	--	--	--	--	--	--	--
Purchased and Used Hot Water	--	--	--	--	--	--	--	--	--	--
Purchased and Used Chilled Water	--	--	--	--	--	--	--	--	--	--
Total Indirect Emissions	373,400	376,777	336,470	271,059	245,052	240,116	238,131	233,295	232,425	269,685
Optional Emissions (specify source):										
Optional emissions from stationary combustion at facilities held under operating leases	269	242	280	233	284	243	296	295	243	--
Optional emissions from purchased electricity at facilities held under operating leases	21,421	21,576	21,046	20,104	20,919	20,046	20,240	20,305	17,514	14,499
	--	--	--	--	--	--	--	--	--	--
Total Optional Emissions	21,690	21,818	21,326	20,337	21,203	20,289	20,536	20,600	17,757	14,499
Direct + Indirect + Optional Emissions										
Total Emissions	15,677,065	12,633,346	13,595,694	12,031,751	13,006,637	11,391,066	10,542,490	9,685,483	8,971,170	9,529,880

REQUIRED SUPPLEMENTAL INFORMATION										
<i>Biomass CO₂ Emissions - (metric tons/yr.)</i>										
Total Stationary - Biomass CO₂	156,694	153,580	154,147	142,604	171,518	176,108	183,658	270,323	196,256	168,964
Total Mobile - Biomass CO₂	469	3,764	4,668	4,380	4,457	4,243	4,433	4,299	4,223	3,288

OPTIONAL CFC/HCFC SUPPLEMENTAL INFORMATION - (metric tons/yr.)										
<i>CFC and HCFC Emissions</i>										
Total - CFC	19,097	10,398	41,583	13,710	14,430	17,961	17,309	24,926	29,163	14,116
Total - HCFC	--	--	--	--	--	--	--	--	--	--

OPTIONAL ELECTRICITY/STEAM SALES INFORMATION (Non-Utilities with Normalized Targets)										
<i>Emissions Allocated to Sold Electricity/Steam</i>										
Total - CO₂-eq. from Electricity Sales (metric tons)	--	--	--	--	--	--	--	--	--	--
Total - CO₂-eq. from Steam Sales (metric tons)	--	--	--	--	--	--	--	--	--	--
Total - MWh of Electricity Sales	--	--	--	--	--	--	--	--	--	--
Total - BTUs of Steam Sales	--	--	--	--	--	--	--	--	--	--
Total - metric tons CO₂-eq. per MWh of Elec. Sales	--	--	--	--	--	--	--	--	--	--
Total - metric tons CO₂-eq. per BTU of Steam Sales	--	--	--	--	--	--	--	--	--	--

External Projects	Base Year	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8 Goal Year	Year 9	Year 10
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<i>Reductions from RECs and Green Power Purchases to Indirect Emissions- Annual CO₂-eq. (metric tons)</i>										
Total kW-hr of RECs/Green Power					7,746,000	2,140,000	2,140,000	4,050,000	11,340,000	15,535,000
Total Reductions from RECs/Green Power					7,347	1,662	1,292	3,973	5,674	7,506
<i>Reductions from Offsets - Annual CO₂-eq. (metric tons)</i>										
Offsets (specify source):										
Total Reductions from Offsets	0	0	0	0	0	0	0	0	0	0

Partner Base Year:	2001
Partner Goal Year:	2008
Goal Emissions Tracking "Absolute" or "Normalized":	Absolute
Goal Year Emissions Target: (expressed as a percent decrease from base year)	8%
Specify Normalization Factor (NF) Units: (only if tracking normalized emissions for goal)	

Corporate Goal Tracking	Base Year	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10											
Year	2001	2002	2003	2004	2005	2006	2007	Goal Year	2009	2010											
ABSOLUTE EMISSIONS GOAL TRACKING																					
	CO ₂ -eq. (metric tons)	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr
Total U.S. Emissions	15,677,065	12,633,346	-19.4%	13,595,694	-13.3%	12,031,751	-23.3%	13,006,637	-17.0%	11,391,066	-27.3%	10,542,490	-32.8%	9,685,483	-38.2%	8,971,170	-42.8%	9,529,880	-39.2%		
Total Non-U.S. Emissions	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Absolute Emissions	15,677,065	12,633,346	-19.4%	13,595,694	-13.3%	12,031,751	-23.3%	13,006,637	-17.0%	11,391,066	-27.3%	10,542,490	-32.8%	9,685,483	-38.2%	8,971,170	-42.8%	9,529,880	-39.2%		
Total Reductions from External Projects	--	--	N/A	--	N/A	--	N/A	-7,347	N/A	-1,662	N/A	-1,292	N/A	-3,973	N/A	-5,674	N/A	-7,506	N/A		
Total Net Absolute Emissions	15,677,065	12,633,346	-19.4%	13,595,694	-13.3%	12,031,751	-23.3%	12,999,290	-17.1%	11,389,404	-27.3%	10,541,198	-32.8%	9,681,510	-38.2%	8,965,496	-42.8%	9,522,374	-39.3%		
Goal Year Absolute Emissions Target	N/A	--	--	--	--	--	--	--	--	--	--	--	--	14,422,900	-8.0%	--	--	--	--	--	--

NORMALIZED EMISSIONS GOAL TRACKING																					
	CO ₂ -eq. (metric tons)	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr	CO ₂ -eq. (metric tons)	% change from base yr
Total U.S. Emissions	15,677,065	12,633,346	-19.4%	13,595,694	-13.3%	12,031,751	-23.3%	13,006,637	-17.0%	11,391,066	-27.3%	10,542,490	-32.8%	9,685,483	-38.2%	8,971,170	-42.8%	9,529,880	-39.2%		
Total Non-U.S. Emissions	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Absolute Emissions	15,677,065	12,633,346	-19.4%	13,595,694	-13.3%	12,031,751	-23.3%	13,006,637	-17.0%	11,391,066	-27.3%	10,542,490	-32.8%	9,685,483	-38.2%	8,971,170	-42.8%	9,529,880	-39.2%		
Total Reductions from External Projects	--	--	N/A	--	N/A	--	N/A	-7,347	N/A	-1,662	N/A	-1,292	N/A	-3,973	N/A	-5,674	N/A	-7,506	N/A		
Total Net Absolute Emissions	15,677,065	12,633,346	-19.4%	13,595,694	-13.3%	12,031,751	-23.3%	12,999,290	-17.1%	11,389,404	-27.3%	10,541,198	-32.8%	9,681,510	-38.2%	8,965,496	-42.8%	9,522,374	-39.3%		
Total U.S. Normalization Factor Value	--	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr
Total Non-U.S. Normalization Factor Value	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Normalization Factor Value	0	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
Total U.S. Normalized Emissions	CO ₂ -eq. / NF Units	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr
Total Non-U.S. Normalized Emissions	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Normalized Emissions	CO ₂ -eq. / NF Units	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr	CO ₂ -eq. / NF Units	% change from base yr
Total Normalized Reductions from External Projects	--	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A
Total Normalized Reductions from Sold Elec./Steam	--	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A	--	N/A
Total Net Normalized Emissions	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Goal Year Normalized Emissions Target	N/A	--	--	--	--	--	--	--	--	--	--	--	--	#VALUE!	-8.0%	--	--	--	--	--	--
Carbon Intensity Index (CII)	100	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr	--	% change from base yr
Goal Year Carbon Intensity Index (CII) Target	N/A	--	--	--	--	--	--	--	--	--	--	--	--	92	-8%	--	--	--	--	--	--

Date Form Completed: 04/21/11

Number of times base year has been adjusted since 1

Identify and describe changes made to the baseline data since the previous year's inventory (e.g. acquisitions, divestitures): Submission for 2011. Due to phase out of Climate Leaders program, form is being made publically available on our corporate website in lieu of Climate Leaders accepting forms for disclosure.

Identify any changes in methodologies or sources that are different than the previous year's inventory: Indirect emissions reflect the update of the eGRID factors from eGRID2000 to eGRID2010. This change in factors increased emissions by 12.2%. The methodology for stationary combustion sources relating to power generation was modified to meet the EPA's Mandatory GHG Reporting Rule (40 CFR Part 98 Subparts C and D). This methodology change resulted in a 0.3% change in the overall inventory. The methodology for emissions relating to mobile combustion sources was also updated to be in compliance with The Climate Registry protocol, incorporating default lbs/gal emission factors for CO₂, and lbs/miles emission factors for CH₄ and N₂O based on actual fleet profile, resulting in an increase for mobile sources. The overall reductions in absolute emissions would have been 39.6% as compared to the 39.2% reported after factor and methodology modifications.

Describe any major differences from the previous year's inventory: Increased fossil-fired generation in 2010 due to hotter than typical weather in our market areas contributed to the increase in direct emissions. Increased outage repairs associated with storm damage may have also contributed to increase mobile combustion emissions. Increased CH₄ leakage resulted primarily from increase coal use relating to the higher than anticipated used of these plants to meet increased electricity demand. Electricity consumption across the corporation was actually down in 2010 (450,171 MWh down from 456,119 MWh in 2009); however, this was masked due to the eGRID emission factor update which presented a higher than previous MT CO₂e per MWh used.