

Appendix A

Overview of GHG Programs

| Name of program | Type of program | Focus (organization, project, facility) | Gases covered | Organizational project boundaries | Operational boundaries | Nature/purpose of program | Base year | Target | Verification |
|--|------------------------------------|--|---|--|---|---|--|---|---|
| VOLUNTARY REPORTING PROGRAMS | | | | | | | | | |
| American College and University President's Climate Commitment (ACUPCC) http://www.presidentsclimatecommitment.org | Voluntary reduction program | Organization | Six Kyoto gases | May choose between equity share or control approaches | Scope 1 and 2 required. Scope 3 categories of faculty/staff/student commuting to campus, and business travel required. Other scope 3 sources optional | Foster GHG reductions in colleges and universities | Specific to each organization, recalculation consistent with <i>GHG Protocol Corporate Standard</i> required | Required to set reduction target within two years of joining the program | None required |
| California Climate Action Registry www.climateregistry.org | Voluntary registry | Organization (Projects possible in 2004) | Organizations report CO ₂ for first 3 years of participation, all six GHGs thereafter. | Equity share or control for California or United States operations | Scope 1 and 2 required, scope 3 to be decided | Baseline protection, public reporting, possible future targets | Specific to each organization, recalculation consistent with <i>GHG Protocol Corporate Standard</i> required | Encouraged but optional | Required through certified third party verifier |
| Energy Information Administration 1605B www.eia.doe.gov/oiaf/1605/1605b.html | Voluntary reporting program | Organization and project | Organizations have the option of reporting six Kyoto gases plus others | Equity share or control for worldwide operations | Scope 1 required, scope 2 and 3 optional | Public recognition, assistance measuring and recording reductions | Recommended 1987 to 1990 | Required, specific to each organization or project | None required |
| Global Reporting Initiative www.globalreporting.org | Voluntary Reporting program | Organization | Six Kyoto gases | Determined according to GRI's Boundary Technical Protocol | Must identify and calculate all scope 1 and 2 and various scope 3 emissions. | Public recognition, comprehensive multi-indicator performance tracking, setting reduction targets | Year that organization joins program | Encouraged but not required | "External assurance" necessary to qualify for certain Application levels |
| ICLEI (Local Governments for Sustainability) http://www.iclei.org/ | Voluntary reduction program | Organization | Six Kyoto gases | Control for local government or geographic operations | Scope 1 and 2 required, scope 3 optional | Assistance setting targets and achieving reductions for local governments | Required, specific to each local government | Required, specific to each local government | None required |
| Respect Europe Business Leaders Initiative on Climate Change http://www.respecteurope.com/start.aspx | Voluntary reduction program | Organization | Six Kyoto gases | Equity share or control for worldwide operations | Scope 1 and 2 required, scope 3 strongly encouraged | Achieve targets, public recognition, expert assistance | Specific to each organization, recalculation consistent with <i>GHG Protocol Corporate Standard</i> required | Mandatory, specific to each organization | Third party verifier |
| U.S. EPA Climate Leaders www.epa.gov/climateleaders | Voluntary reduction program | Organization | Six Kyoto gases | Equity share or control for US operations at a minimum | Scope 1 and 2 required, scope 3 optional | Public recognition, assistance setting targets and achieving reductions | Year that organization joins program, recalculation consistent with <i>GHG Protocol Corporate Standard</i> required | Required, specific to each organization | Optional, provides guidance and checklist of components that should be included if undertaken |
| World Wildlife Fund Climate Savers www.worldwildlife.org/climatesavers | Voluntary registry | Organization | CO ₂ | Equity share or control for worldwide operations | Scope 1 and 2 required, scope 3 optional | Achieve targets, public recognition, expert assistance | Chosen year since 1990, specific to each organization, recalculation consistent with <i>GHG Protocol Corporate Standard</i> required | Required, specific to each organization | Third party verifier |
| World Economic Forum Global GHG Register www.weforum.org | Voluntary registry | Organization | Six Kyoto gases | Equity share or control for worldwide operations | Scope 1 and 2 required, scope 3 optional | Baseline protection, public reporting, targets encouraged but optional | Chosen year since 1990, specific to each organization, recalculation consistent with <i>GHG Protocol Corporate Standard</i> required | Encouraged but optional | Third party verifier or spot checks by the World Economic Forum |
| VOLUNTARY ALLOWANCE TRADING SCHEME | | | | | | | | | |
| Chicago Climate Exchange www.chicagoclimateexchange.com | Voluntary allowance trading scheme | Organization and project | Six Kyoto gases | Equity share | Direct combustion and process emission sources and indirect emissions optional. | Achieve annual targets through tradable allowance market | Average of 1998 through 2001 | 1% below its baseline in 2003, 2% below baseline in 2004, 3% below baseline in 2005 and 4% below baseline in 2006 | Third party verifier |

| MANDATORY REPORTING PROGRAMS | | | | | | | | | |
|--|---|----------------|---|---|--|---|---|---|----------------------------|
| US Federal Executive Order 13514 | Required GHG inventories by agency | Organizational | Six Kyoto gases | Operational Control | Scope 1 and 2, and selected scope 3 sources required | Emissions tracking, leadership, achieving reductions | Reduction targets for each scope set by agencies | Agency-specific | TBA |
| European GHG Emissions Allowance Trading Scheme http://ec.europa.eu/environment/index_en.htm | Mandatory allowance trading scheme | Facility | Six Kyoto gases | Facilities in selected sectors | Scope 1 | Achieve annual caps through tradable allowance market, initial period from 2005 to 2007 | Determined by member country for allowance allocation | Annual compliance with allocated and traded allowances, European committed to 8% overall reduction below 1990 | Third party verifier |
| European Pollutant Emission Registry www.europa.eu.int/comm/environment/ipp/eper/index.htm | Mandatory registry for large industrial facilities | Facility | Six Kyoto gases as well as other pollutants | Facilities that fall under European Intergovernmental Panel on Climate Change directive | Scope 1 required | Permit individual industrial facilities | Not applicable | Not applicable | Local permitting authority |
| REGIONAL CAP and TRADE INITIATIVES | | | | | | | | | |
| Regional Greenhouse Gas Initiative (RGGI) http://www.rggi.org/home | Cap and trade scheme; mandatory for electric generating units in participating states | Facility | CO ₂ | Facilities in selected sectors | Scope 1 | Achieve annual caps through tradable allowance market | 2009 | 10% CO ₂ reduction from baseline by 2018 | Auditing by states |
| Midwestern Greenhouse Gas Reduction Accord (Midwestern Accord) ¹ http://www.midwesternaccord.org/ | Cap and trade scheme; mandatory for capped entities within participating states | Facility | Six Kyoto gases | Facilities in selected sectors | Scope 1 | Achieve annual caps through tradable allowance market | 2005 | 20% reduction by 2020 and 80% reduction by 2050 below 2005 levels | Third party verifier |
| Western Climate Initiative (WCI) ¹ http://www.westernclimateinitiative.org/ | Cap and trade scheme; mandatory for capped entities within participating states | Facility | Six Kyoto gases | Facilities in selected sectors | Scope 1 | Achieve annual caps through tradable allowance market | 2005 | 15% reduction from 2005 levels by 2020 | Third party verifier |

¹ Program plans for the MGGA and WCI are still under development. The material included regarding the MGGA and WCI is based upon program recommendations, and are not finalized at the time of writing. See www.midwesternaccord.org and www.westernclimateinitiative.org for more details.