

The Climate Registry Update: Part II



The Climate Registry

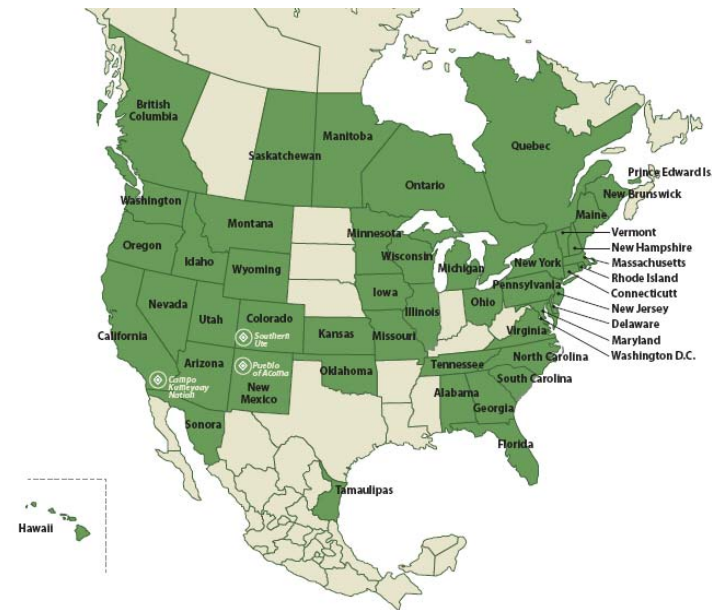
California Climate Action Registry
Members-Only Call
February 27, 2008

What is The Climate Registry?

MISSION: To standardize and centralize high quality GHG data into a North American GHG registry to support voluntary and mandatory reporting programs

MEMBERS: 39 U.S. States
7 Canadian Provinces
3 Indian tribes
2 Mexican states

REPORTERS: 58 Reporters



The Climate Registry

- The largest climate initiative in North America
 - Covers 80% of population of North America
- Policy neutral—leave policy to the states
- The recognized platform in North America
- It's about precise, accurate measurement



Comparison of Reporting Requirements for The Climate Registry (TCR), The California Climate Action Registry (CCAR) and The California Air Resource Board's Mandatory Reporting Program



	TCR	CCAR	CARB: AB-32
Purpose	Voluntary Reporting Registry	Voluntary Reporting Registry	Mandatory Reporting Program, facilities in 5 industrial sectors report, as well as general stationary combustion (GSC) $\geq 25,000$ MT CO ₂ .
Geographic Scope	North American Emissions; Worldwide Optional	CA Emissions; U.S. and worldwide Optional	CA Emissions and electricity imports (MWh)
Reporting Level	Facility-level	Entity-level required; facility encouraged	Facility-level for CA; CA entity-level optional for facilities and equipment outside regulation
Consolidation Methodology	Equity share, financial and/or operational control	Equity share or management control (financial and/or operational criteria)	Operational control
Gases	All GHGs	All GHGs	All GHGs, although expect primarily CO ₂ , CH ₄ , N ₂ O; SF ₆ and HFCs for certain sectors
Emissions Scope	Direct and Indirect; Scope 3 Optional	Direct and Indirect; Scope 3 Optional	Direct stationary combustion, specified process/fugitive emissions from primary sector facilities and indirect energy usage (MWh/Btu); mobile emissions optional
Verification	Required by independent third-party; Verifiers visit sampling of facilities Required annually	Required by independent third-party; Verifiers visits a sampling of facilities; Required annually	Required by independent third-party; Verifiers visit all facilities; Required annually from most facilities, triennially from specified facilities.
Reporting Timeline	July 1 st for emissions report; Dec. 1 st for verification opinion	June 30 th for report; Oct. 31 st for verification opinion	April 1 or June 1, depending on sector; verification opinion due six months later
Base Year and Threshold for Updating	Outstanding Issue	Reporter can specify; if specified, base year updated with 10% org. change	State goals based on 1990 levels; 2008 emissions are the first year of reported data.
De Minimis / Simplified Techniques	Proposed: simplified methodologies for up to 5% of total emissions; Required to disclose 100% of emissions inventory in reporting tool, CRIS	Up to 5% of total emissions may be estimated as de minimis; Optional to disclose in reporting tool, CARROT	May use simplified estimation techniques for up to 3% of total emissions (below 20,000 Mt CO ₂ e)
Efficiency Metrics	Optional	Required for some sectors	Required for some sectors
Calculating Direct Emissions	Emission factors from U.S. EPA and IPCC	Emission factors from U.S. EPA, IPCC and CARB	Emission factors and estimation methods in regulation, from CARB, US EPA, US EIA, CEC, and IPCC. Some source specific factors allowed with CARB approval.
Calculating Indirect Emissions	eGRID power pool-specific emission factors	eGRID power pool-specific emission factors	Emission factors from in state power plant reported emissions; data on electricity imports can be used to attribute emissions by provider/deliverer.
Global Warming Potentials	IPCC (SAR)	IPCC (SAR)	IPCC (SAR)

Summary of Stakeholder Feedback from TCR's Public Workshops

■ Key Policy Issues

- ❑ Release of Data to the Public
- ❑ Clarifications on Facility-level Reporting
- ❑ Base Year & Adjustment
- ❑ De minimis Emissions
- ❑ Defining a Government Entity

■ Technical Improvements

- ❑ Renewable energy, airline emissions, biogenic emissions, structure, etc.



TCR Program Timeline

March 2008: Release Final GRP

March 14: Deadline for comments on the General Verification Protocol (GVP)

May 2008: Release Final GVP

June 30, 2008: Launch CRIS (reporting software)

Summer 2008: Begin work on industry specific protocols, mandatory reporting, etc.



Joint CCAR and TCR Membership

- 50% discount on TCR annual fees in 2008 and 2009
- CCAR verified data accepted as historical data in TCR
- CCAR reporting qualifies as “transitional reporting” in TCR

Transitional Reporting:

- Maximum 2 years
- CO2 from stationary combustion
- Emissions from all facilities in at least one state/province



Example: Joint CCAR/TCR Reporting

- Become a joint CCAR/TCR member in 2008

2008 Emissions

- Report CO2 emissions in CA in CARROT
- Year 1 of transitional data for TCR
 - May be imported to CRIS from CARROT
- Verification
 - Use CCAR verifier (prior to October 2008)
 - Can use TCR/CCAR verifier (if after October 2008)

2009 Emissions

- Year 2 of transitional data to TCR
- Report CO2 emissions in CA in either CARROT or CRIS

2010 Emissions

- Must be complete TCR reporting (all 6 gases in North America)
- Requires TCR verification



TCR's Historical Reporting

- TCR will accept quality “historical data” for consecutive years
 - EX: 2002-2007 emissions reported in CARROT
- Minimum reporting requirements:
 - CO2 from stationary combustion
 - Emissions from all operations in at least one state/province
 - Third party verified
 - CCAR certification/verification accepted
- Data exchange standard in development to facilitate data transfer
- Data available to the public
- Precedes transitional/complete reporting



Climate Registry Information System (CRIS)

- **All data will be reported through CRIS**
 - TCR Voluntary Reporting Program
 - Future: Participating mandatory programs will utilize CRIS application

Timeline:

- **Spring 2008: Development, testing**
- **June 30, 2008: Application launch**
- **Summer 2008: Training site available**
- **December 2008: Complete data exchange standard**
- **Spring 2009: CARROT to CRIS data transfer**



Accreditation & Oversight of TCR Verification

- Accreditation process based on ISO 14065 (international standard for GHG verifier accreditation)
 - May add TCR – specific requirements to general ISO requirements
 - Partnering with 3rd party accreditation firm(s) to develop accreditation process
- Accreditation Body will administer accreditation
- TCR Verification Oversight Panel will oversee verification process and resolve disputes
- Accreditation Guide will be complete in the Spring
 - Verifier Focus Group conference call in March, 2008



TCR Accreditation Timeline

- **April–May 2008:** ANSI accepts applications for pilot ISO 14065 accreditation project
- **Fall 2008:** Preliminary accreditation of ISO 14065 and TCR verifiers
 - Accreditation final only after first round of verification activities
- **2009:** TCR identifies accredited Verifiers on website
- New applications for accreditation will be accepted on a regular basis



Questions?

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