



The Climate Registry

Introduction to The Climate Registry

December 9, 2010
iCET Side Event, COP 16



The Climate Registry

Who We Are

- a non-profit organization governed by states, provinces and tribes in North America
- a policy neutral, non-advocacy organization
- a membership organization, with over 430 members from business, government, NGOs and academia





The Climate Registry

What We Do

- Help organizations measure their carbon footprints
- Provide expert technical support, training, tools, and resources at a low cost
- Maintain a registry of carbon footprints from members who report to us
- Help companies analyze their energy use and ways to improve efficiency
- Create a network of members to share ideas & best practices
- Recognize leadership in carbon reporting and reductions



A Community of Leaders



RioTinto



Awards & Conferences



- **Regional climate policy forums**
 - Seattle, March 10-11 2011
 - Chicago, Summer 2011



The Climate Registry

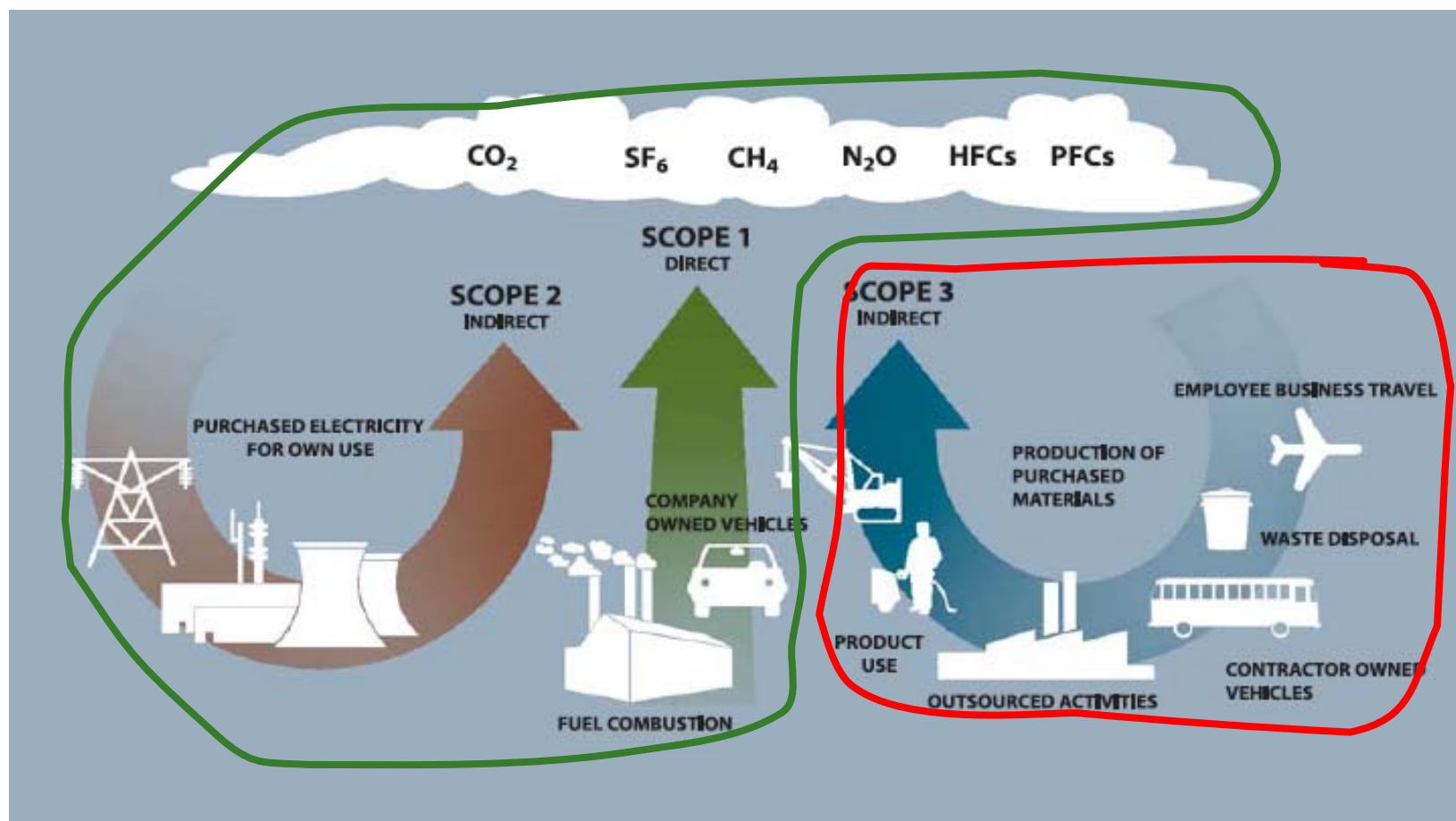
How to report to The Climate Registry



Steps to a carbon footprint

1. Determine your boundaries and identify your sources: what's in and what's out
2. Collect data for scope 1 and scope 2 emissions
3. Input data by facility into The Climate Registry's online reporting tool
4. Independent review to ensure accuracy of data
5. Report data publicly (Data available online at <https://www.crisreports.org>)

Emission sources

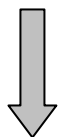


— Required
— Optional

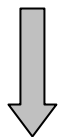


The Climate Registry

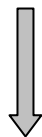
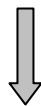
Facility



Source

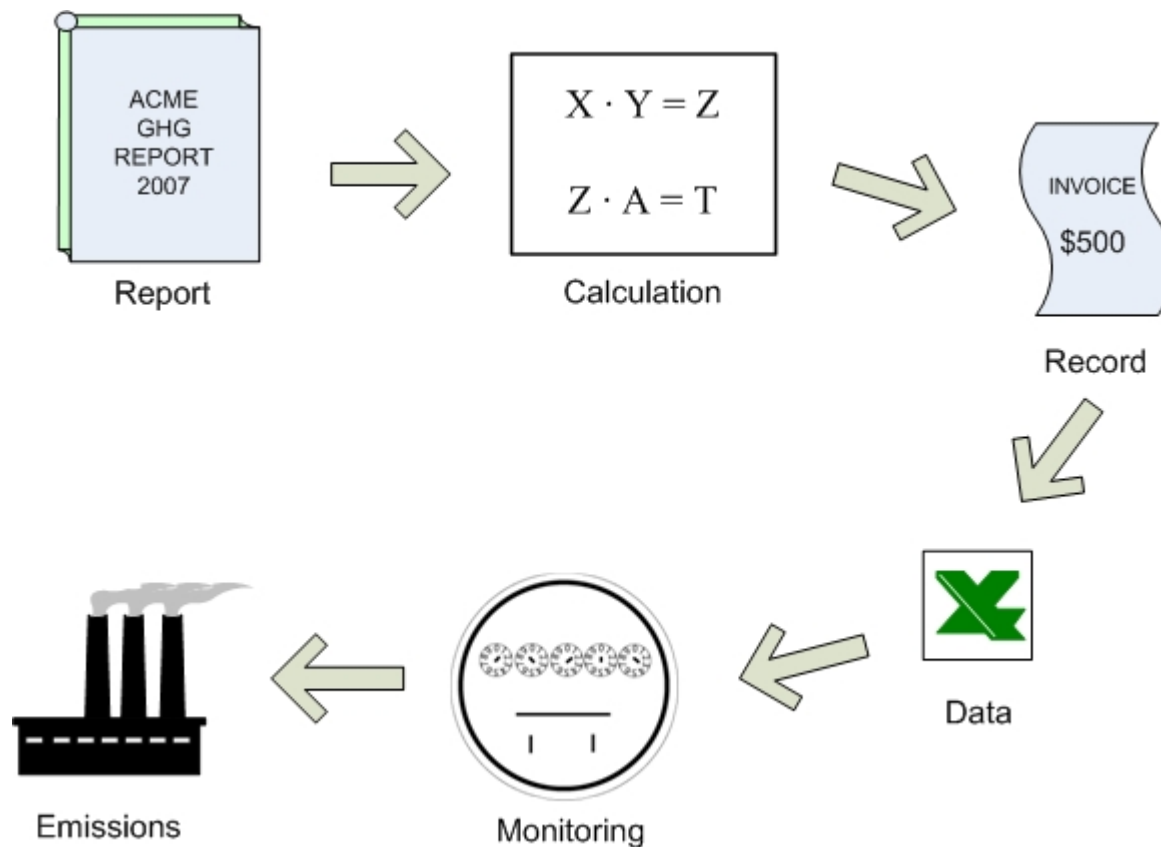


Data



• For more information on identifying sources, attend the “Building an Inventory for Reporting to The Registry Part II: Data Collection” training.

Good data management establishes a clear trail for verification



Graphic courtesy of:
First Environment



The Climate Registry

CRIS 3.0

crisreport.org - Home

https://www.crisreport.org/web/guest/home1

iGoogle Google Voice-Phones Google Voice Facebook TCR Email CRIS 3.0 - Production CRIS-Migration Freebinar Login | KnowledgeT... http://cpasgv.org/ Other bookmarks

CRIS: Climate Registry Information System

The Climate Registry

Home

Sign In

User Name
tcrrregistryadmin

Password

Remember Me ☐

[Sign In](#)

[Forgot Password](#)

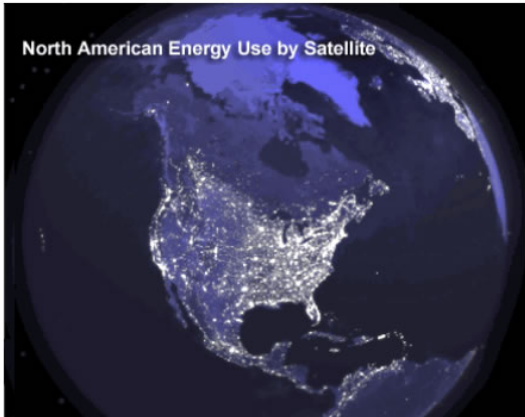
New User?

Please retrieve your user name and temporary password from your Registration email or contact your organization's CRIS Administrator for instructions.

The Climate Registry's software platform for accurate and transparent GHG Reporting
North America's Leaders Solving Climate Change Together

[View CRIS Demo](#) [Access Public Reports](#) [Join The Registry](#)

North American Energy Use by Satellite






The Climate Registry is proud to host GHG Reporting Programs for:

The Registry's Voluntary Program

Nevada Division of Environmental Protection

Massachusetts Department of Environmental Protection

For Information on how we can host your program contact CRIS@theclimateregistry.org



MassDEP

Climate Registry Information System Version Number 3.1.15

MISYS

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The Climate Registry

Manage Sources

CRIS: Climate Registry Information System

Home | **Physical Inventory** | Emissions Inventory | Analysis and Reports | Resources

Facilities | City, CA

Filter: City, CA [Clear](#)

10

Facility ID	Facility	Entity	Active From Date	Active To Date	Sources	Contacts
F-1001	City Partnerships	City, CA	Jan-14-2009		Sources	Contacts
F-1002	Community Services	City, CA	Jan-16-2009		Sources	Contacts
F-1003	Environmental Utilities	City, CA	Jan-16-2009		Sources	Contacts
F-1004	Fire	City, CA	Jan-16-2009		Sources	Contacts
F-1005	General and Miscellaneous	City, CA	Jan-16-2009		Sources	Contacts
F-1006	Libraries	City, CA	Jan-14-2009		Sources	Contacts
F-1007	Materials Recovery Facility (MRF)	City, CA	Jan-27-2009		Sources	Contacts
F-1008	Parks and Recreation	City, CA	Jan-14-2009		Sources	Contacts
F-1009	Police	City, CA	Jan-14-2009		Sources	Contacts
F-1010	Public Works	City, CA	Jan-14-2009		Sources	Contacts

Results 1 - 10 of 15.

[Add Facility](#)

Climate Registry Information System Version Number 3.1.13

MISYS



The Climate Registry

Calculate Emissions

crisreport.org - Physical I... x

https://www.crisreport.org/group/tcr-registry/physical-inventory?p_p_id=display_INSTANCE_N0Qg&p_p_lifecycle=1&p_p_state=maximized&p_p_mode=view&sav

iGoogle Google Voice-Phones Google Voice Facebook TCR Email CRIS 3.0 - Production CRIS-Migration Freebinar Login | KnowledgeT... http://cpasgv.org/ Other bookmarks

ccctest facility1 source1 Stationary Combustion - Scope 1

Electric Power | Unspecified Technology | Coal | Anthracite | SOLID Data Reported

Fuel Amount 5000 metric tonne (t)

Default Heat Content 25.09000 MMBtu/ton ☒ Customize Heat Content 23.00000 MMBtu/ton

Default Carbon Content 28.24000 Kg/MMBtu ☒ Customize Carbon Content 30.00000 Kg/MMBtu

Default Oxidation Factor 1.00000 ☒ Customize Oxidation Factor 1.20000

CO2

Formula

Simplified Estimation ☐ Yes ☒ No

Fuel Quantity in default UoM 5511.55656 ton

Reference GRP Updates and Clarifications February 2010 Table 12.1

Formula
$$\frac{([Q] \cdot [HC] \cdot [CC] \cdot [OF]) \cdot (44/12)}{1000}$$

Quantity (Q), Heat Content (HC), Carbon Content (CC), Oxidation Factor (OF)

Comment comment 1

Total 16733.08570 Metric ton GWP 1.00000 Calculated Result 16733.08570 tCO2e

CH4

Emission Factor

Simplified Estimation ☐ Yes ☒ No

Fuel Quantity in default UoM 138284.95396 MMBtu

Default Emission Factor 0.01000 kg/MMBtu

☐ Customize Emission Factor

Reference GRP Updates and Clarifications February 2010 Table 12.1

Formula
$$([Q] \cdot [EF]) / 1000$$

Quantity (Q), Emission Factor (EF)

Comment

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The Climate Registry

Publish Reports

CRIS: Climate Registry Information System

Entity Emissions Detailed Report

San Diego Unified Port District

(Public)

11/19/2010 10:21:50 PST



Operational Control: North America

DIRECT EMISSIONS (metric tons)	CO ₂ e	CO ₂	CH ₄	N ₂ O	HFCs (CO ₂ e)	PFCs (CO ₂ e)	SF ₆
Stationary Combustion - Scope 1	289.78	289.02973	0.02756	0.00058	0	0	0
Mobile Combustion - Scope 1	1,593.31	1,579.3	0.0779	0.0399	0	0	0
Process - Scope 1	0	0	0	0	0	0	0
Fugitive - Scope 1	59.28	0	0	0	59.28	0	0
TOTAL DIRECT EMISSIONS	1,942.37	1,868.32973	0.10546	0.04048	59.28	0	0

INDIRECT EMISSIONS (metric tons)	CO ₂ e	CO ₂	CH ₄	N ₂ O	HFCs (CO ₂ e)	PFCs (CO ₂ e)	SF ₆
Purchased Electricity - Scope 2	3,169.75	3,157.45575	0.11841	0.03163	0	0	0
Purchased Heating - Scope 2	0	0	0	0	0	0	0
Purchased Cooling - Scope 2	0	0	0	0	0	0	0
Purchased Steam - Scope 2	0	0	0	0	0	0	0
TOTAL INDIRECT EMISSIONS	3,169.75	3,157.45575	0.11841	0.03163	0	0	0

BIOGENIC EMISSIONS (metric tons)	CO ₂
Stationary Biomass Combustion - Biomass	0
Mobile Biomass Combustion - Biomass	0
TOTAL BIOGENIC EMISSIONS	0



The Climate Registry

Benchmark performance

(lbs CO₂/MWh)

	Electricity Deliveries	Electricity Generation	Fossil Generation
Calpine	—	650	905
PG&E	566	50	1428
SDG&E	614	—	—
SCE	679	719	1999
SMUD	769	639	982
LADWP	1365	1562	1831
PacifiCorp	1811	2020	2172



The Climate Registry

Resources



■ Reporting Toolkit

- ❑ www.theclimateregistry.org/resources/reporting-toolkit/

■ Helpline

- ❑ 866-523-0764 x3

■ Email

- ❑ help@theclimateregistry.org
- ❑ cris@theclimateregistry.org (CRIS related questions)

A high quality carbon footprint is the strong foundation for many other key activities





The Climate Registry

Thank you for your attention!

The Climate Registry

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