



ICLEI
Local
Governments
for Sustainability



The Climate
Registry

Summary of Local Government Operations Protocol

AB 32 Workshop – Monrovia, CA

October 8, 2008

Goals of Joint Effort

Part of multi-phase protocol development effort and number of tools that will be developed by the state to support local government action

- Provide “sector-specific” reporting guidance for local government operations
- Help create harmonization between GHG inventories reported to multiple programs
- Promote role of local governments in combating global climate change
- Advance the consistent, comparable and relevant quantification of emissions

Partner Objectives

- ARB – California protocol for AB 32 Program
- CCAR members – “industry-specific” guidance for local government members
- ICLEI members – supplementary to International Local Government Greenhouse Gas Protocol
- TCR will look to these standards in the future
- Applicable across US

Protocol Framework

- “Modular” guidance document approach:
 - Operations
 - Community-level
 - Other industry specific as separate modules in future?
- Guidance based on:
 - WRI/WBCSD international standard
 - ISO 14064, et. seq.
 - ICLEI International Analysis Protocol
 - CCAR General Reporting Protocol
 - TCR General Reporting Protocol

California Environmental Protection Agency

 **Air Resources Board**

I.C.L.E.I.
Local
Governments
for Sustainability



Protocol Development Process



Public Outreach

Protocol developed through a multi-stakeholder workgroup process that strove for consensus-based decision making to promote broad participation and adoption

- Kick-off Public Workshop
- Formed Workgroup, Subgroups, and Advisory Group
- All interested parties invited to participate
- Public Comment Period Public Workshop

	March	April	May*	June	July
Public Workshop	•				•
Workgroup	•••	••••		••	
Subgroup					
■ Solid Waste		••	•••	•	
■ Wastewater					
■ Reporting					
Advisory Group		•	•		



Advisory Group

- California Air Pollution Control Officers Association
- California State Association of Counties
- League of California Cities
- Regional Council of Rural Counties
- Local Government Commission
- City, county, and town representatives
- Special districts
- Association and Council of Governments
- California state agencies
- Non-governmental organizations
- Industry/private sector representatives



Technical Protocol Workgroup

- Bay Area AQMD
- Center for Neighborhood Technologies
- City and County of San Francisco
- City of Carlsbad, CA
- City of Chula Vista, CA
- City of Edmonton, Alberta
- City of Kansas City, MO
- City of Los Angeles, CA
- City of Oakland, CA
- City of Palo Alto, CA
- New York Department of Environmental Conservation
- Pacific Gas & Electric Company
- Salt Lake City, UT
- Tamalpais Community Service District
- US EPA
- Washington Department of Ecology
- World Resources Institute

Subgroups

Solid Waste Subgroup

- Californians Against Waste
- CDM
- City of Kansas City, MO
- City of Los Angeles Bureau of Sanitation
- CIWMB
- LA County Sanitation District
- Stopwaste.org
- US EPA
- Waste Management

Wastewater Subgroup

- CA Wastewater Climate Change Group
- CA State Water Resources Control Board
- Central Valley Clean Water Association
- City of Los Angeles, Bureau of Sanitation
- Los Angeles County Sanitation District
- Sacramento Regional County Sanitation District
- Tamalpais Community Service District

Reporting Subgroup

- Bay Area AQMD
- Center for Neighborhood Technologies
- City of Carlsbad
- City of Los Angeles
- City and County of San Francisco
- Salt Lake City, UT
- US EPA



Preliminary Draft Comments

- Preliminary draft released to workgroup and advisory group in May
- 19 sets of written comments received
- Comments discussed with technical workgroup over 2 week period
- Comments and suggestions incorporated into revised draft for public review

California Environmental Protection Agency

 **Air Resources Board**

I.C.L.E.I.
Local
Governments
for Sustainability



Protocol Structure and Contents

Protocol Structure

- Designed to create a common standard for local governments engaging in a GHG inventory exercise for their operations
- Program neutral guidance - does not inherently have any *requirements*
- Local governments participating in a program will have requirements - detailed in Part IV
- Protocol guidance applicable to wide audience
- Standardized reporting guidance included to promote transparency and consistency
- Inventory tracks emissions over time - not designed for quantifying project-based GHG emission reductions

Local Government Sectors

Protocol structured according to sectors for relevance and ease of use

- Buildings and other facilities
 - Street lights and traffic signals
 - Water supply facilities
- Vehicle fleet
 - Transit fleet
- Power generation facilities
- Solid waste facilities
- Wastewater facilities
- Other process and fugitive emissions

PART II

IDENTIFYING YOUR EMISSIONS

- Principles are consistent with WRI/WBCSD principles for corporate accounting
- Should report all 6 GHGs on a calendar year basis
- Defining organizational boundaries - operational control is recommended
 - Most accurately represents sources that local governments can influence
 - Consistent with mandatory GHG reporting under AB 32 and other environmental/air quality reporting
- Should report all Scope 1 and Scope 2 emissions
- Should report biogenic emissions from combustion, but separately from Scope 1 emissions



PART III

Activity data x emission factor = GHG emissions

- Recommended and alternate activity data and emission factors are detailed in chapters, where appropriate
- CCAR/ARB-approved methodologies are denoted with
- Includes step-by-step calculation methodologies
- Look in Appendices for:
 - Standard conversion factors
 - Global Warming Potentials
 - Default emission factors

California Environmental Protection Agency

 **Air Resources Board**

I.C.L.E.I.
Local
Governments
for Sustainability



Standard Reporting under the Protocol

Reporting Overview

The Standard Inventory Report includes four sections:

1. Local Government Profile Information
2. Summary of GHG Emissions
 - Emissions by sector
 - Optional Indicators
 - Information Items
 - Optional Scope 3
3. Activity Data Disclosure
4. Methodology / Emission Factor Disclosure



Next Steps

Next Steps

- Adoption of Protocol by Partner Boards
 - Approved by California Registry Board in August
 - Approved by ICLEI Board in September
 - Approved by CARB in September
- Protocol should now be available for download on Partner websites
- Series of workshops for local governments in California - assistance implementing protocols, other resources
- Kick-off for community level reporting guidance later this year



Contacts

Heather Raven

213-542-0282

heather@climateregistry.org

Rachel Tornek

213-891-6930

rachel@climateregistry.org