

# GHG Reporting Protocols

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## Presentation Overview



- Protocol Development Process
  - Current protocol development activities
    - NG T&D
    - Oil Refineries
    - Opportunities for future protocol development
      - Oil & gas exploration & production
      - Oil & gas processing

## Quick Review: What's in a Protocol?



- Boundaries (geographic, organizational, operational)
- Calculations (emission factors, methodologies)
- Program-specific rules (eligibility, deadlines, time, QA/QC)

## CA Registry Protocol Development Process



1. Scoping Meeting – ID and prioritize issues
2. White paper
3. Workgroup process: develop draft protocol
4. Expert comment
5. Public Comment
6. State Review
7. Adoption by Registry Board
8. Program into CARROT

## Guiding Principles



- Broad stakeholder process
  - Include industry, environmental organizations, government, technical experts, others as appropriate (e.g., consumer groups, international organizations)
- Peer-reviewed, accepted methodologies & emission factors
- Workgroup strives for consensus; majority rules
- Registry Board makes final policy decisions

## Representative Timeline



Start	Scoping Meeting
2-4 months	White paper
2-4 months	Workgroup develops draft protocol
1.5 months	Expert comment
1.5 months	Public Comment
1.5 months	State Review
	Adoption by Registry Board
1.5 months	Program into CARROT
Total: 10-14 months	

## User Feedback Essential



- Voluntary protocols are organic documents
  - Expect multiple versions
  - Road-testing is essential
- Transparency is key
- Challenge: maintain flexibility for company-specific operations yet ensure consistency

## Protocol Revision Process



- Welcome feedback and comments
  - Comments posted on website for public review
    - Protocol Comment Form
    - Protocol Comment Response Form
- CEC/CARB, Registry staff and Registry's Technical Advisory Committee review and comment on suggested changes to Protocols
- Comments/Responses submitted to the Board
  - Next Board Meeting: June 19, 2007

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## Protocol Development Update



- Oil refineries
  - Technical review, on behalf of ARB
  - API Compendium + IPIECA guidelines
  - Protocol expected 2008
- Natural gas Storage, T&D
  - Workgroup process underway
  - INGAA study + API Compendium
  - Drafts for comment expected Fall 2007
  - Final protocol expected Winter 2007/08

## Questions?



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