Designing Protocols for Alberta

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Climate Change Central

Outline

- **Don’t Re-Invent the Wheel**
- **Adapting/Adopting**
- **Main Format**
- **Technical Validation Process**
- **Continuous Improvement**

The Wheel stays Round...

- Alberta Research Council
  - Enhanced Oil Recovery
- TEAM
  - Biofuels
- Baseline Emissions Inc
  - Biomass Combustion project
  - Waste Heat Recovery project
- NOQT:
  - Pork, Beef, Land Fill Gas, Afforestation, Biogas
  - Reduced Tillage and Nitrogen
- City of Edmonton
  - Composting
- Climate Change Central/AAF
  - On Farm Energy Efficiency

Adapting/Adopting…

- Fit to Alberta Criteria:
  - Result from activities on or after January 1, 2002;
  - Be real, demonstrable, quantifiable, measurable;
  - Occur from actions not otherwise required by law;
  - Have clearly established ownership;
  - Be counted once for compliance purposes.
  - Be verified by a qualified third party;
  - Occur in Alberta

Adapting/Adopting…

- Using Best Practice Guidance:
  - Environment Canada's Guide to Protocol/Quantification March 2006 (draft)
  - Protocol adaptation guidelines developed by IPOG March 2007
  - Canada's National Inventory Submission 2006
  - ISO 14064 Part 2 Standard
  - StatsCan Agriculture Census and Farm Environmental Management Survey
  - Expert Opinion (consulted where need be in adapting protocols)
  - WRI GHG protocol

Protocol Format

1. Main Document:
   - Protocol scope and Description
     - Project and Baseline Conditions, Material Flow charts, Flexibility Provisions, Functional Equivalence
   - Quantification Development and Justification
     - Identification of Sinks and Sources; Relevant Sinks/Source selections and comparisons
     - Quantification/Monitoring Approach of Relevant Sinks/Sources
2. Excel Calculator (Quantification Plan)
3. List of Policy/Technical Decisions

Technical Validation Process

1. Focused technical review
   - Federal/provincial scientists; academics; project developers with technical experts
   - Focussed sessions, revisions made
2. Broader technical review
   - Today's workshop – 85 or so offset experts
   - Streamlined Protocols reflecting focused review advice
3. Public Posting Review

Principles Guiding the Review

1. Environmental Integrity
   - Solid technical context upstream, downstream and at project site
2. Usability
   - Must be a balance between being practical and having integrity
3. Adapting from others
   - If techniques/approaches are being used elsewhere (CDM, JI, other systems) and are applicable here
4. Streamlined Life Cycle
   - Borrowing from the ISO 14064 process, consider all potential sources and sinks in the technical review

Other Considerations

- Credit Duration Period
- Assurance Factors for Sinks
- Renewable Energy?