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CHARTING THE PATH FORWARD: ACCOUNTING FOR RENEWABLES AND THE ENVIRONMENT
Workshop agenda

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Convenors: Commission for Environmental Cooperation   *Location:* World Resources Institute
    US Environmental Protection Agency   Suite 800, 10 G Street, NE
    World Resources Institute   Washington, DC

Thursday, November 4, 2004

8:00 – 8:30   **Continental breakfast**

8:30 – 8:45   **Welcome & opening**
       – Welcome & introductions (Veronique Robichaud, CEC)
       – Meeting aspirations (Tom Kerr, US EPA)
       – Meeting agenda (Jennifer Layke, WRI)

8:45 – 9:45   **Where did we leave off? A little background**
       – Overview of various renewable energy benefit calculation methods (Bruce Biewald, Synapse Energy Econ.)
       – Summary of initiatives evaluating methodologies (Martin Tampier, Envirochem Services, Inc.)
       – Outcomes of WRI's Pocantico workshop (Derik Broekhoff, WRI)

9:45 – 10:30   **End user demand for renewable energy benefit calculations** (moderator: Matt Clouse, US EPA)
       – Perspectives from different "end users" of renewable energy environmental benefit data
        · Corporate green power purchaser: Ed Mongan (DuPont)
        · Green power marketer: Brent Beerley (Community Energy, Inc.)
        · REC/GHG broker: Evan Ard (Evolution Markets)
        · Local government: Ann Elsen (Montgomery County, Maryland)
        · National government: Leslie Welsh (Environment Canada)

10:30 – 10:45 *Break*

10:45 – 12:30 **Estimating the emissions impact of renewable generators: A dialogue between electricity system
       operators & modelers** (moderator: Craig Hanson, WRI)
       – Approaches for estimating emissions impact of green power or RECs from (1) 5 MW landfill gas-to-
        electricity project, (2) 100 MW wind farm, (3) 1000 MW of new wind projects to meet a state RPS
        · Jim Platts (ISO New England, Inc.)
        · Scott Murtishaw (Lawrence Berkeley National Laboratory)
        · Geoff Keith (Synapse Energy Economics)
        · Beatriz del Valle (ATPAE/CYSTE)
        · Jeff King (Pacific Northwest Electric Power & Conservation Planning Council)

        Each speaker will address the following questions (followed by discussion):
        · How would you calculate the avoided CO_2 emissions for each case example?
        · Would these methodologies differ for criteria pollutants (e.g, NO_x, SO_2)? If so, how?
        · What data is required for these calculations? What is the availability/cost of this data?
        · How would you rate these methodologies in terms of "accuracy", practicality, transparency, replicability,
         and conservativeness?

12:30 – 1:30   **Lunch**

1:30 – 3:00   **Estimating the emissions impact of renewable generators: A dialogue between electricity system
       operators & modelers** (continued)

3:00 – 3:15   *Break*

3:15 – 4:00   **Developing a common framework for calculating environmental benefits of renewable energy**
       (moderators: Tom Kerr, EPA, Veronique Robichaud, CEC)
       – Identification of key issues to resolve, programs to engage, steps to take, & possible outreach formats
       – Discussion of the path forward for organizations like EPA, CEC, and Canadian and Mexican agencies
        interested in developing information on calculating the environmental benefits of renewables

4:00   **Wrap-Up and conclusion**