



Making Renewables Part of an
Affordable and Diverse
Electric System in California



Commonwealth PIER Renewables Mini-Grid Program Project 1.1 Planning & Analysis Critical Project Review Meeting

Agenda

Thursday, February 27, 2003
2:00 – 4:00 p.m.

CH₂MHill Governmental Affairs Office
1215 K Street, Suite 1240
Conference Room
Sacramento

Facilitators:

Pat Lilly, Project Director, Itron, Inc.
Zhiqin Zhang, George Simon /Energy
Commission

Type of Meeting:

Critical Project
Review

Attendees:

CEC: George Simons, Elaine Sison-Lebrilla, Zhiqin Zhang, Joseph McCabe, Hassan Mohammed, Mark Rawson,, Linda Kelly, Ron Kondolian and Prab Sethi. **Davis Energy:** Ron Davis **CDF:** Mark Rosenberg

CE Project Team: Max Carpenter, Commonwealth Energy; Pat Lilly, Itron; Bill Kitto, CH₂MHill; David Hanna, Itron; Keith Rutledge, REDI; Chuck Whitaker, Endecon Engineering; Hank Zaininger, ZECO

TAC Members: Christy Herig, NREL; Robert Yinger, SCE; Robert Ooten, OCSD; Via Teleconference: Jennifer Harvey, NYSERDA; Debra Reinhart, University of Central Florida; Kurt Roos, USEPA; Scott Walker, CIWMB, Sudhir Murthy, DCWASA

----- Agenda Topics -----

2:00 – 2:05

- ✓ Welcome & Self-Introduction (All)

2:05 – 2:20

- ✓ Project 1.1 – Program Planning & Analysis Overview (P. Lilly, Itron)
 - Project Background/Objectives
 - Expected Project Benefits
 - Project Results/Conclusions To Date
 - Project Challenges To Date
 - Project Schedule and Budget

2:20 – 2:30

- ✓ Questions and Discussion

----- Agenda Topics (Continued) -----

2:30 – 2:45

✓ **Biogas Inventory and Technical Potential (B. Kitto, CH₂MHIII)**

- Task 1.1.2 – Agricultural and Food Processing Waste Facilities
- Task 1.1.3 – Landfill Facilities
- Task 1.1.4 – Waste Water Treatment Facilities
- Task 1.1.7 – Assess Electricity Market Potential (MWs) of Biogas within the Mini-Grid region
- Task 1.1.10 – Prioritization of Demonstration Project Sites for Biogas Systems

2:45 – 2:55

✓ **Questions and Discussion**

2:55 – 3:10

✓ **PV Inventory and Technical Potential (D. Hanna, Itron/ K. Rutledge, REDI)**

- Task 1.1.5 – Building Integrated-Photovoltaic (BI-PV) Inventory and Technical Potential
- Task 1.1.7 – Assess Electricity Market Potential (MWs) of Commercial and Institutional BI-PV within the Mini-Grid Region

3:10 – 3:20

✓ **Questions and Discussion**

3:20 – 3:35

✓ **Mini-Grid T&D System Power Flow Modeling (H. Zaininger, ZECO)**

- Task 1.1.6 – T&D Data Development
- Task 1.1.9 – Power Flow Model Development

3:35– 3:45

✓ **Questions and Discussion**

3:45– 4:00

- ✓ **Final TAC Comments (P. Lilly, Itron)**
- ✓ **Summarize Key Points**
- ✓ **Next Steps**