

*completing the energy sustainability puzzle*



**Group E Results**

**ENERGY-WATER ROADMAP**

**REGIONAL NEEDS ASSESSMENT WORKSHOP**

# Cross Cutting Needs and Solutions Group E

- 1. Information gathering for database necessary to perform life-cycle analysis**
  - Develop a comprehensive model for life cycle costs and benchmarks that includes historical data and future forecasts.**
  - Develop data necessary to perform life cycle analysis**
  - Validate model with regional benchmark data**
  - Establish model a priority of technology management**
- 2. Create a database and catalog all jurisdictional authorities permits, regulations and permissions granted that pertain to water**
- 3. Develop and rank- order promising technologies to increase supplies or manage demand (including international sources)**
- 4. Develop pilot projects to test technologies**
  - Cost sharing**
  - Water energy efficient use**
  - Desalination**
  - Low water power production**
  - Renewables**
- 5. Explore the benefit of applying market mechanisms to address conflicts between water uses for energy production and other uses. A think piece.**
- 6. Establish outreach to the public regarding water issues. Create a consumer oriented water/energy consumption calculator available on the web—interactive**
- 7. Encourage creation of start-up programs to develop entrepreneurial activities-- SMBIR**
- 8. Identify and promote projects that encourage symbiotic water/energy production conservation (including international sources)**
- 9. Create and identify new funding sources for implementing large scale projects**
- 10. Identify water quality specifications for specific needs and applications and cost-benefit analysis and explore cascading water uses.**