Alternative Technologies Workgroup
21st Century Energy Plan

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AT Workgroup
June 22, 2006
Outline of Presentation

- Workgroup Project Schedule/Timeline
- Workgroup Priorities
- Status/Progress Report of Teams
  1. CHP Team
  2. Emerging Technologies Team
  3. SmartGrid SubTeam
  4. Policy Team (joint)
Alternative Technologies Workgroup Schedule

• Teams work on specific projects, with deliverables between early August and mid-September

• Meetings:
  – Workgroup meetings monthly (June, July, August, September)
  – Joint 21st Century Energy Plan Meetings: June 22nd, July 18; August 29th
  – Early October – review & comment on Workgroup Reports
Workgroup Schedule(2)

• Draft Team reports (primarily data) due by July workgroup meeting
• Second draft project reports due by August workgroup meeting
• Final Team reports due by early September*
• Final Workgroup Report - September 29th
• Comments on Workgroup Reports - October 16th

* CHP sub-group Report due late-July
Workgroup Priorities

• Update Capacity Need Forum (CNF) data (where necessary):
  – Confirm or modify, as needed
  – Further investigate potential resource options

• Assessment of Costs and Schedules for Technologies (CHP, Distributed Resources, etc.)

• Develop Policy Recommendations:
  – Legislative & regulatory options
  – Financial, funding, & incentive mechanisms
Next AT Workgroup Meetings

- Tuesday, July 11th, 9:30 a.m.
- Wednesday, August 9th, 9:30 a.m.
- Tuesday, September 12th, 9:30 a.m.

*Unless noted otherwise, all meetings will be held at MPSC offices @ Mercantile Building*
Combined Heat and Power Team

- Review of data assumptions used in CNF process (ongoing)
- Provide findings to CNF Update Team
- Draft Position Statement* developed
- CHP Survey* developed for obtaining feedback/data from large boiler owners

*All documents posted on the 21st CEP web site located at:
http://www.cis.state.mi.us/mpsc/electric/capacity/energyplan/alttech/alttech.htm
Emerging Technology Team

- Matrix* developed for Characterization of Emerging Technologies considered
- Position Statement* drafted to define charge of ET Team
- Draft Report Outline* developed
- Data gathering for various DG resources

*All documents posted on the 21st CEP web site located at: http://www.cis.state.mi.us/mpsc/electric/capacity/energyplan/alttech/alttech.htm
Smart Grid Sub-Team

- Central recommendation to form Michigan consortium of stakeholders to evaluate and advance various SmartGrid technologies (i.e. – GridApp)
- Provide case studies and model approach for Michigan to consider implementing
- Draft table outlining issues of importance for T&D technologies
Policy Team
(combined Renewable Energy and Alternative Technologies)

• Recommendations for increasing application/deployment of alternative and renewable energies (Straw man for RPS)
• Regulatory barriers to deployment of technologies and projects
• Tax Policies, Incentives and Financing/Funding Approaches