


# State Energy Plan Update

September 10, 2009





# PA Green Energy Works – Program Update

(review from April)

- Sustainable Business Recovery
- Sustainable Heat and Power
- Clean Biogas
- Solar Projects
- Wind Initiative
- Green Development Loan Program
- Geothermal Buildings



# Sustainable Business Recovery

- State Energy Plan approved by DoE July 7. Negotiation of grant agreements began at that time
  
- Funded 2008 Applications
  - 5 PEDA grants – work completed on 3
  - 12 Energy Harvest Projects
  
- PA Energy Development Authority 2009 Grants
  - Grants announced August 10, 2009
  - \$10 million in 12 grants





# Combined Heat & Power

- \$11.3 million to provide large non-profit institutions with on-site plants that make both electricity and steam for heating, cooling and other operations.
- Timeline
  - Public comment closed August 25
  - Applications opened September 8 and close October 6
  - Grants announced early November



# Clean Biogas

\$5 million to install bio-digesters that convert wastes from agriculture, food processing and other process into clean-burning gas.

## ■ Timeline

- Public comment closed August 25
- Applications open September 21 through October 23
- Grants announced late November



# Solar Project Funds – 2 Phases

- \$7 million in grants for deployment of solar projects
  - Public comment closed August 25
  - Applications open October 5
  - Grants announced early December
- \$9.3 million in grants deployment or manufacturing
  - Using fourth tranche of ARRA-SEP funds
  - Grants announced June 2010



# Green Development Loans

- \$12 million to leverage the creation of a \$48 million in revolving loans to support high efficiency buildings and businesses.
- Timeline
  - Release RFP for lender(s) to provide loans focused on energy saving projects that will create or retain jobs - late September.
  - Get \$4 million of capital into loans by December 31 and the remaining \$8 million by June 30, 2010.



# PA Wind Initiative

- \$20 million in wind project grants to support equipment and transmission interconnection expenses.
- Using third tranche of ARRA-SEP funds
- Timeline
  - Guidelines for public comment early November
  - Application period open late November to early December
  - Grants announced mid January



# PA Geothermal Buildings

- \$14.8 million to fund the incremental costs of geothermal equipment that will save up to 60% of heating and cooling costs in new homes, schools, non-profits and local governments.
- Using fourth tranche of ARRA-SEP funds
- Timeline
  - Guidelines open for public comment May 2010
  - Grants announced June 2010



# PA Conservation Works !

- Program Closed August 14<sup>th</sup>
- Received Over 500 applications
- Requesting Over \$ 63 Million
- Available Grant Dollars = \$22 Million
- Currently Being Scored
- Projected Award Date early October



# ARRA – Competitive Grants

- \$12.2 billion in competitive energy grants
  - \$76 million received by Pennsylvania companies to date
    - East Penn Battery - \$32.5 million
    - Powerex, Inc. - \$8 million
    - Enersys - \$40 million
  - \$815 million in active applications from PA companies
  - \$101 million cash in lieu of tax credits
  - Opening fall of 2009 - \$60 billion in loan guarantees and \$455 million in energy efficiency grants



# Automated Grants Process

- eGrants – Web-based application package.
  - Created by DCNR and modified to meet our requirements
  - First use, Conservation Works! program opening June 2009.
- eDART – automated grants management and reporting system
  - Testing now in process
  - Application will go live with the Conservation Works! grants
  - Existing ARRA-funded grants will be imported to provide uniform QC