

# Solar Workshop

- Agenda

- **Solar Opportunities**

- Presentation by Chris Kerns – RI Office of Energy Resources
      - Opportunities for Residents
      - Opportunities for Municipalities
    - Questions & Answers

- **Energy Committee**

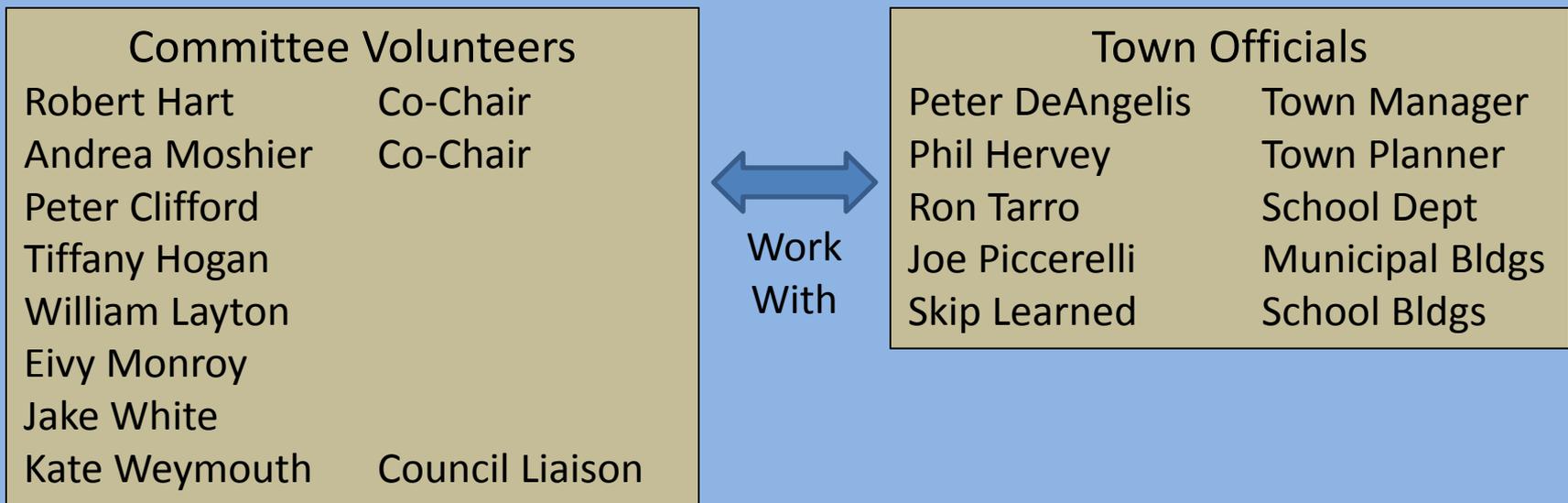
- Presentation by Bill Layton – Energy Committee
      - Committee Charge
      - Committee Activities
    - Discussion of Solar Opportunities for the Town of Barrington

- **Closing Remarks**

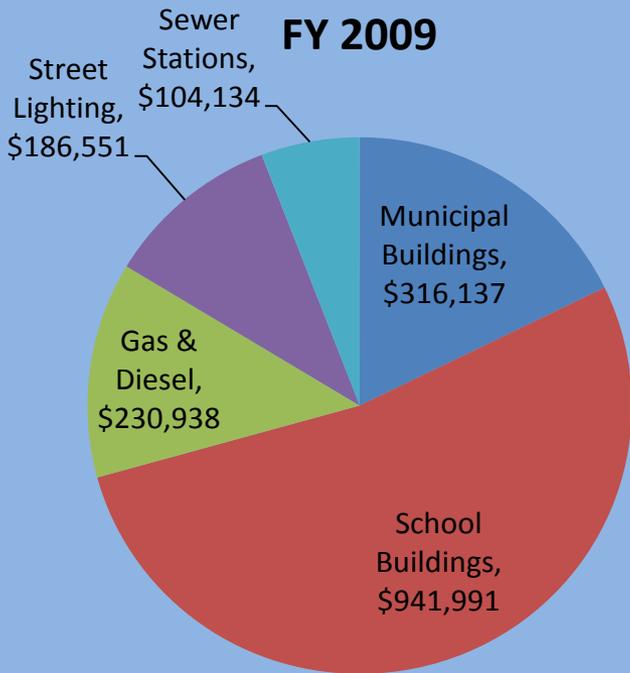
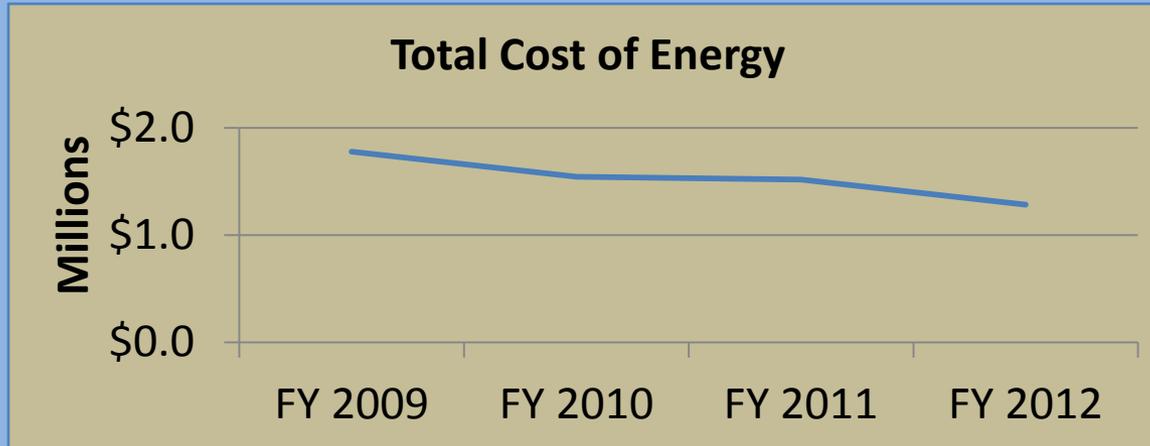
# Solar Workshop

- Energy Committee Charge

- The Committee shall advise the Barrington Town Council on short and long term strategies to promote energy efficiency, thereby creating savings and reducing the environmental impact of town energy use through **conservation** and the use of **sustainable energy** resources. The Committee will also provide **education** and assistance to the citizens of Barrington in attaining the above objectives. The Committee shall endeavor to reach out to other communities and organizations in the region to further its mission.
- Adopted by the Barrington Town Council on November 5, 2007.

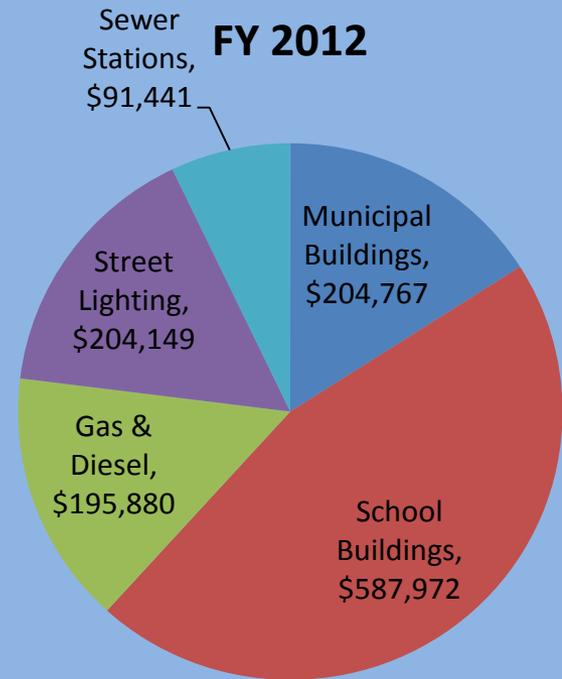


# Solar Workshop



### CHANGES

School Bldgs	-38%
Municipal Bldgs	-35%
Gas & Diesel	-15%
Sewer Stations	-12%
Street Lighting	+9%



# Solar Workshop

- Conservation - examples

## Municipal

- Computerized energy management system at Library
- High efficiency interior lighting at all buildings
- LED lighting at town-owned street lights
- New heating & ventilation systems at Town Hall
- High efficiency boilers at Library & Public Safety buildings



## School

- Computerized heating & ventilation controls at all schools
- Conversion from oil to gas heat at all schools
- Insulated roof systems at elementary schools
- Skylights in hallways in some schools
- High efficiency interior & exterior lighting



# Solar Workshop

- Sustainable Energy
  - Wind
    - Proposed wind turbine @ Legion Way
      - Completed technical, health/safety and financial analyses
      - Received approval @ Financial Town Meeting
      - Released RFP & selected contractor
      - Put project on hold due to conflicting wind data
  - Tidal, Geothermal etc.
    - Monitoring technology & existing projects
  - Solar
    - Explored feasibility of several municipal project sites
      - School & municipal buildings
      - Landfill sites
      - Dept of Public Works property

# Solar Workshop

## • Potential Building Installations

Hamden Meadows School



Primrose Hill School



Nayatt School



High School



# Solar Workshop

- Potential Landfill Installations



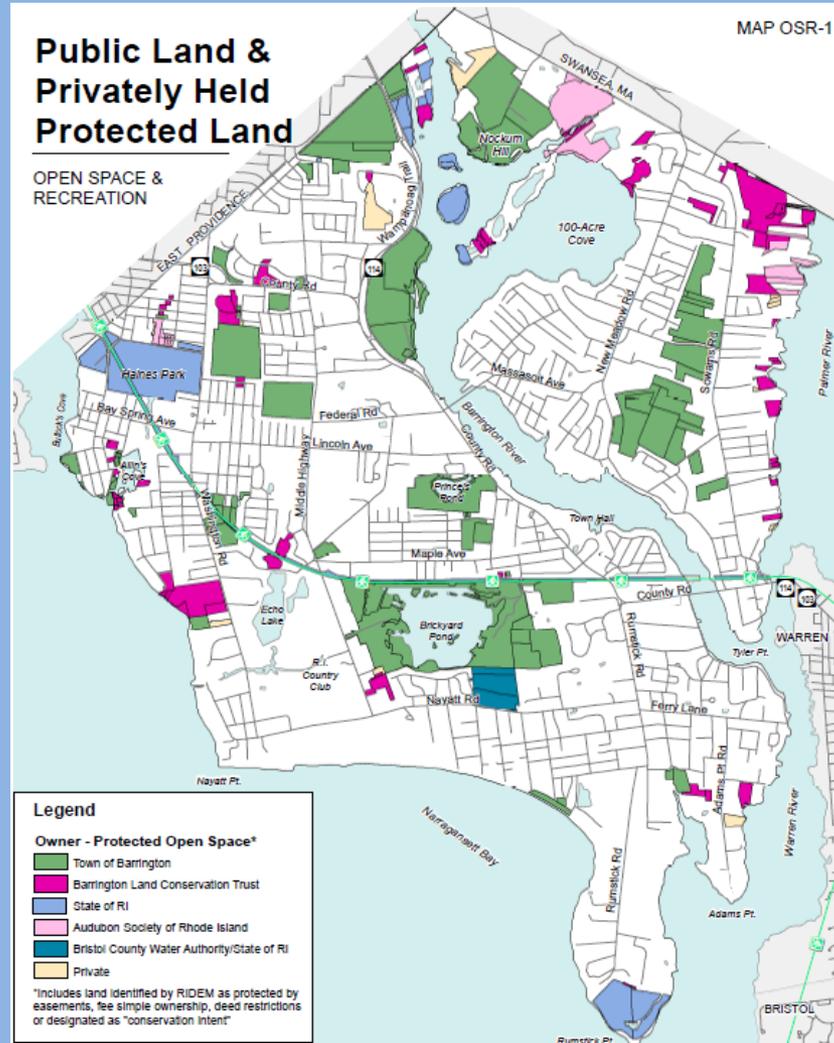
# Solar Workshop

- Potential DPW Installation



# Solar Workshop

- Other Potential Sites?



# Solar Workshop

Thank you for your  
participation

Visit Energy Committee website @:

<http://www.barrington.ri.gov/boards/energy.php>