

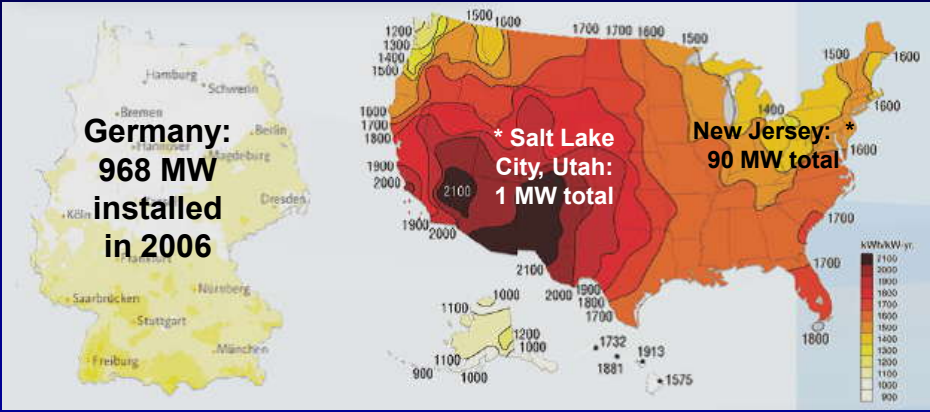


## Solar Salt Lake Initiative

Kelly Knutsen  
Utah Clean Energy  
High Performance Homes Workshop  
April 30, 2008



## Solar Resources and Installed Capacity




Germany: 968 MW installed in 2006

\* Salt Lake City, Utah: 1 MW total

\* New Jersey: 90 MW total

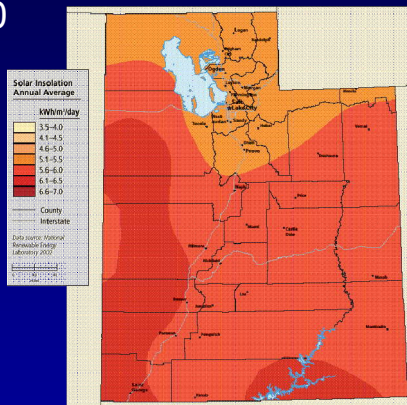
Sources: Solar Energy Industries Association, [www.NJcleanenergy.com](http://www.NJcleanenergy.com), [www.solarbuzz.com](http://www.solarbuzz.com), <http://geology.utah.gov/sep/energydata/renewenergydata.htm>



## Utah's Solar Resource

### Technical PV market by 2010

- 5,000 MW
- 8 million MWh/yr
- Approx. 30% total energy consumed in Utah in 2005



Sources: "Renewable Energy Atlas of the West," J. Nielsen, S. Innis, L.K. Pollock, H. Rhoads-Weaver, A. Shutak, prepared by The Energy Foundation, 2002 and M. Chaudhari, L. Frantzis, T.E. Hoff, "PV Grid Connected Market Potential in 2010 under a Cost Breakthrough Scenario," prepared by Navigant Consulting, 2004.



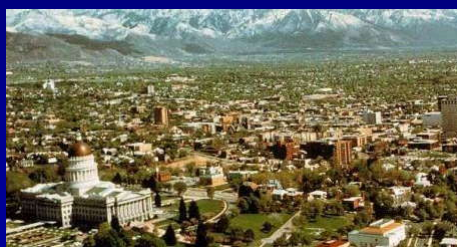
## Solar Salt Lake

<b>Mayors</b>	Ralph Becker Peter Corroon
<b>Population (2006 Est.)</b>	Salt Lake City: 178,858 Salt Lake County: 978,701
<b>Participants</b>	Salt Lake City Corporation, Salt Lake County, Utah Clean Energy, Kennecott Land: The Daybreak ENERGY STAR housing development, Rocky Mountain Power



## Goal

Develop a fully-scoped city and county-level implementation plan to facilitate an additional 10 MW (currently ~1 MW state-wide) of solar photovoltaic (PV) installations by 2015 and serve as a model for other cities integrating solar into their policy, planning and processes.

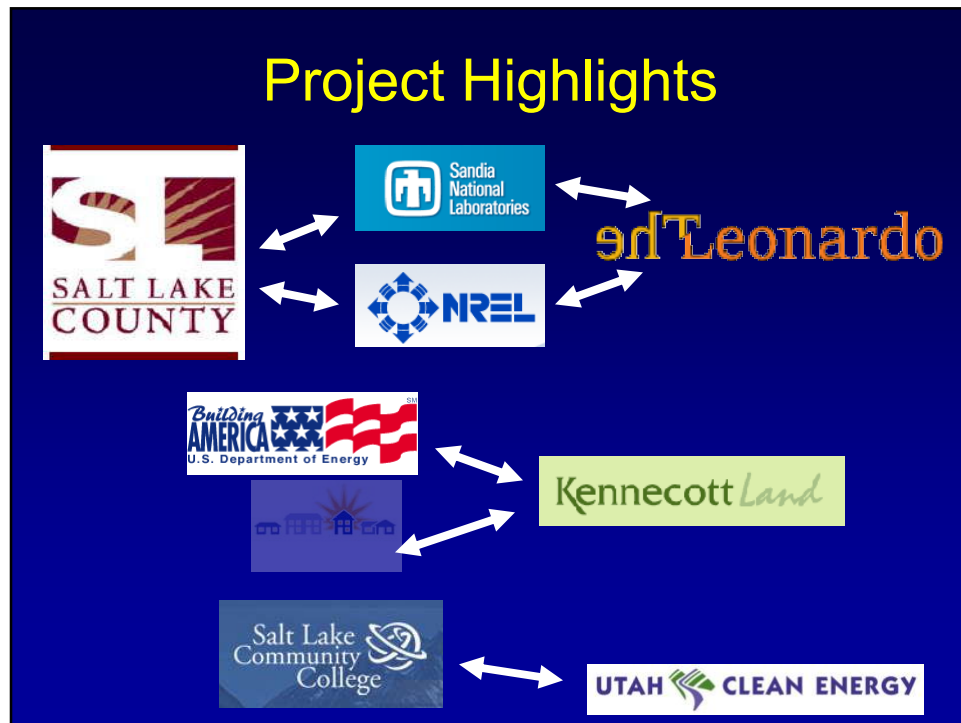


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## Project Outline

- Identify and reduce barriers to solar deployment in Salt Lake City and County
- Implement a comprehensive plan for Salt Lake City and County that establishes a long-term commitment to solar deployment
- Partner with private entities, including land developers, to advance residential solar installations in new housing developments

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## Two Solar Workshops—Dec. 14, 2007 and April 10, 2008

### Barriers

- Building codes, permits, fees and officials
- Lack of consumer education, outreach and assistance
- High cost/low electricity rates
- Net metering and interconnection
- Lack of strong Renewable Portfolio Standard with solar-specific targets

## Two Solar Workshops—Dec. 14, 2007 and April 10, 2008

### Strategies

- Streamline city and county codes, fees and permits for solar and energy efficiency
- Training for code officials, installers
  - John Wiles: Aug. 12 and 14, 2008
- Web portal—one stop shopping
- Creative financing mechanisms
- Participating in Public Service Commission dockets on net metering and interconnection



### Acknowledgements

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