NREL
NATIONAL RENEWABLE ENERGY LABORATORY

Community Solar Scenario Tool

APPA Customer Connections Conference

John Nangle – NREL

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NREL is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy, LLC.

National Renewable Energy Laboratory

- US DOE's **primary** national lab for **EE/RE R&D**
- Mission is to **move technologies** from laboratory R&D to the **marketplace**
- **National Centers** of Bioenergy, Photovoltaics, Wind
- **13 Research Centers**
- **57 R&D 100 Awards**
- Model of **Sustainability**

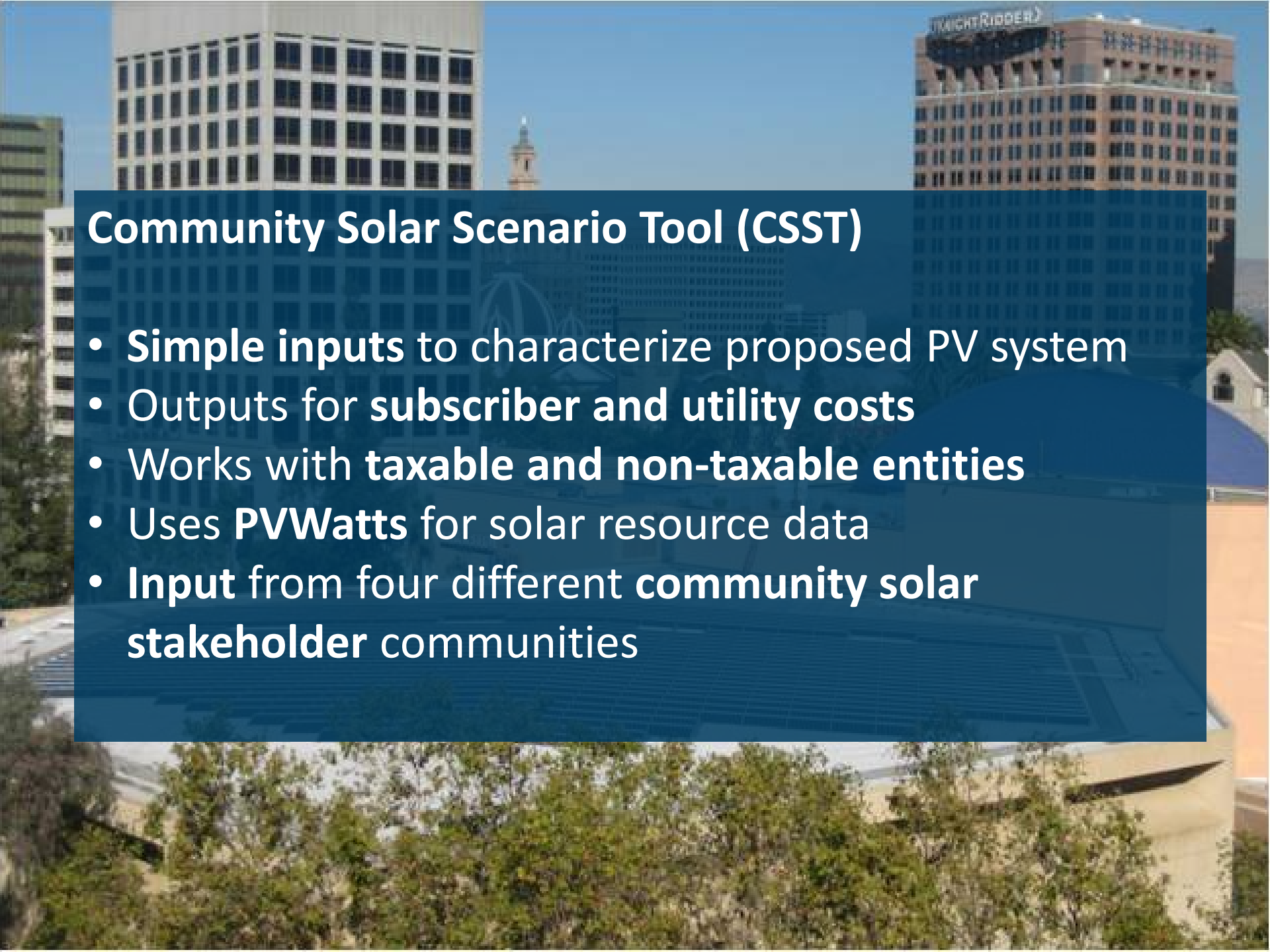
Solar Technical Assistance Team (STAT)

STAT **supports** informed **policy makers** and staff decisions related to solar programs through timely **credible** and **actionable analysis**.

- **Quick Response:**
  - Provide **timely** well-researched **answers** based on **existing research**
- **In-depth assistance:**
  - Address **specific** jurisdictional **needs** with **tailored research** and information development
- **Online Education:**
  - Provides **information** on solar technologies, resources, and the role that **state and local governments** play in supporting the development of those resources.

Community Solar Scenario Tool (CSST)

- **STAT** received inquires from **states and cities** about starting community solar programs
  - **Where** to start?
  - How much will it **cost**?
  - Is it **feasible** to move forward?
- The CSST helps answer these questions



Community Solar Scenario Tool (CSST)

- **Simple inputs** to characterize proposed PV system
- Outputs for **subscriber and utility costs**
- Works with **taxable and non-taxable entities**
- Uses **PVWatts** for solar resource data
- **Input** from four different **community solar stakeholder** communities

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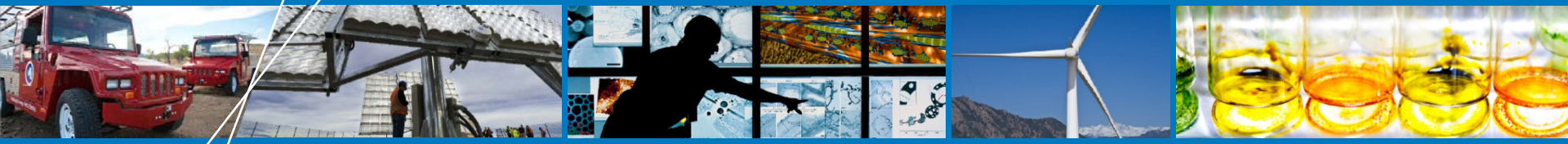

Demo of CSST

John Nangle - Senior Engineer
john.nangle@nrel.gov
303-384-7377

*Beta version of CSST **download***
http://www.nrel.gov/tech_deployment/tools_community_solar.html

Community Solar Scenario Tool **webinar**
http://www.nrel.gov/tech_deployment/state_local_governments/webinars_community_solar_tool.html

NREL STAT **website**
http://www.nrel.gov/tech_deployment/state_local_governments/stat.html

US DOE **SunShot Program**
http://energy.gov/eere/sunshot/sunshot-initiative

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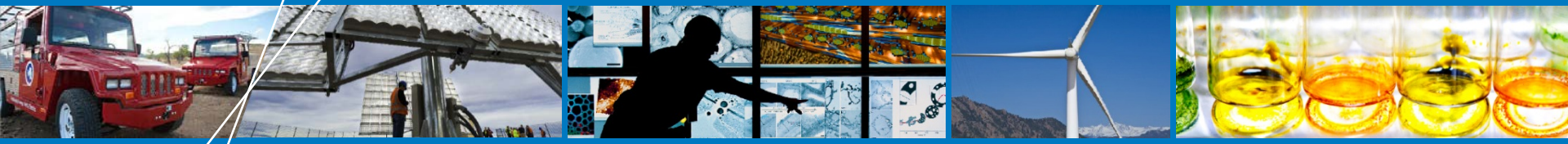

Thank You!