

# *Developing a Community of Solar Advocates and Savvy Municipalities*

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# How do we:

- Get unbiased information about solar to the public?
- Convince policymakers to really support solar and energy efficiency?
- Assure that solar benefits are equitably distributed and not just for the rich?
- Change the role of utilities in delivering energy when self-generation and storage are realities?



# Info to the Public

- [Solar One Stop](#)
- [Southern Arizona Regional Solar Partnership](#)
- [City of Tucson Solar Page](#)



# Solar Partnership as meeting place for utilities and solar advocates

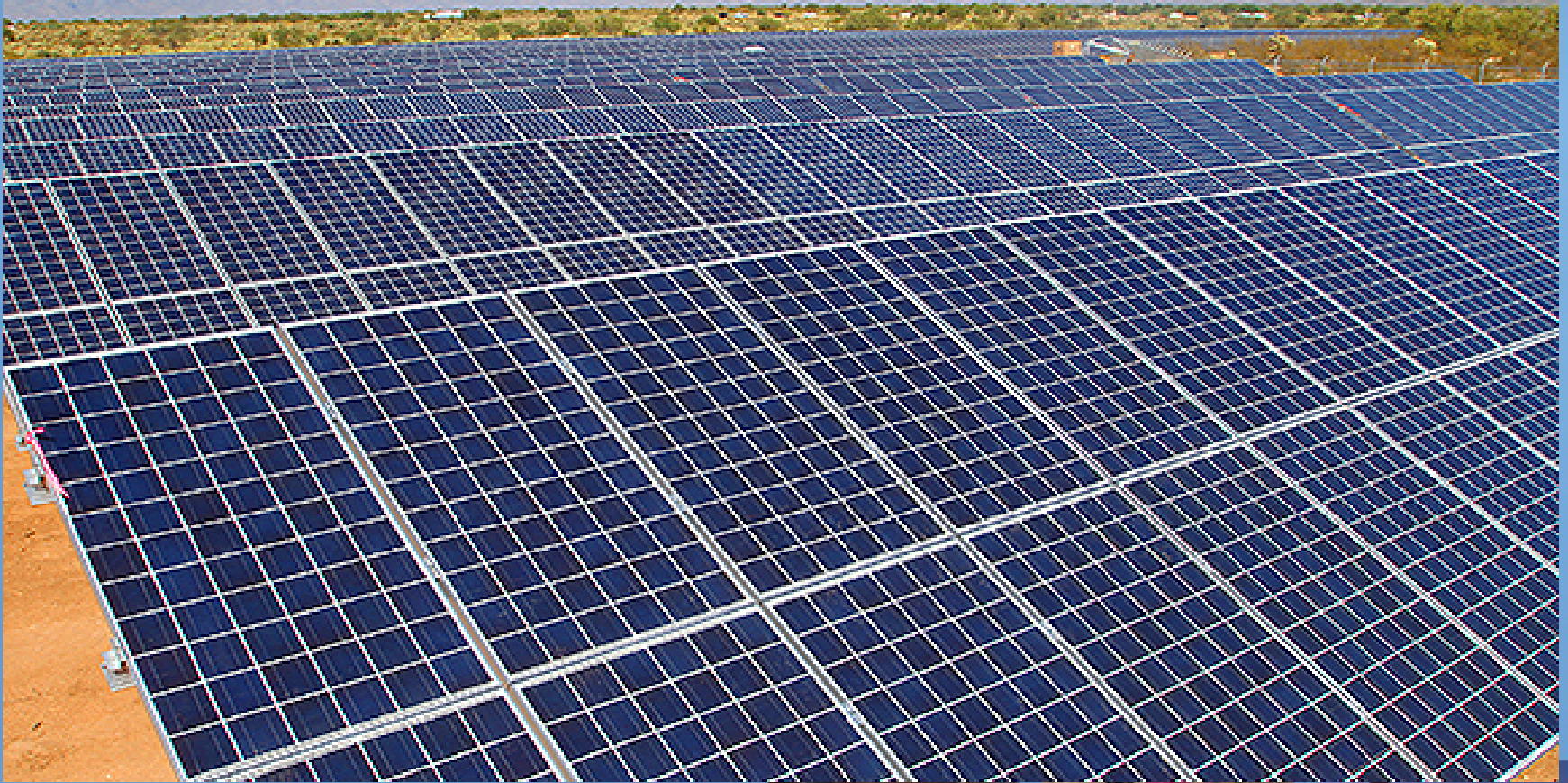
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# Lead by example: Pima Co 5 MW PrairieFire PV





# Gain Policymakers' Support

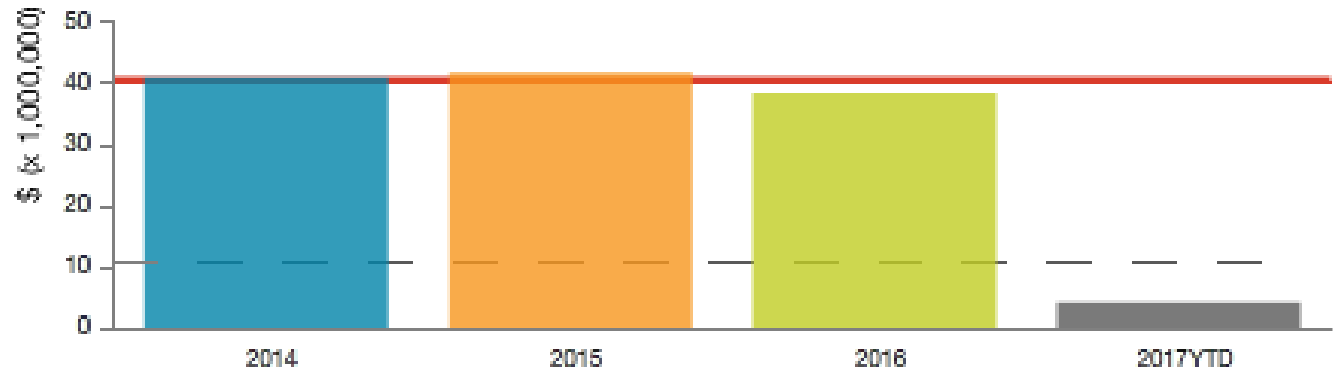
- Build on current strengths and support
- Provide long-view perspective (CREBS Story)
- Expand the conversation (“Energy Purchasing”)
- Align with existing maintenance and monitoring systems
- *Data-driven recommendations* (TUMS)
- Measure what you want to manage:

[www.web.energycap.com/](http://www.web.energycap.com/)



# TUMS Snapshot

Total Cost Summary  
(FY ends in Jun of year shown)



Target Goal (2015 actual data - 2.0%)

— Annual    - - - YTD

## Daily Average Cost

Percentage Change from  
Previous Year To  
Current Year



8.0 %

**Current Year:**  
Aug 2015 - Jul 2016  
\$104,281.48

**Previous Year:**  
Aug 2014 - Jul 2015  
\$113,407.76

# Solar options

- Community solar? Combine with other cities/counties?
- Cost Premium or discount?
- PPA/lease??
- Utility-owned rooftop programs?





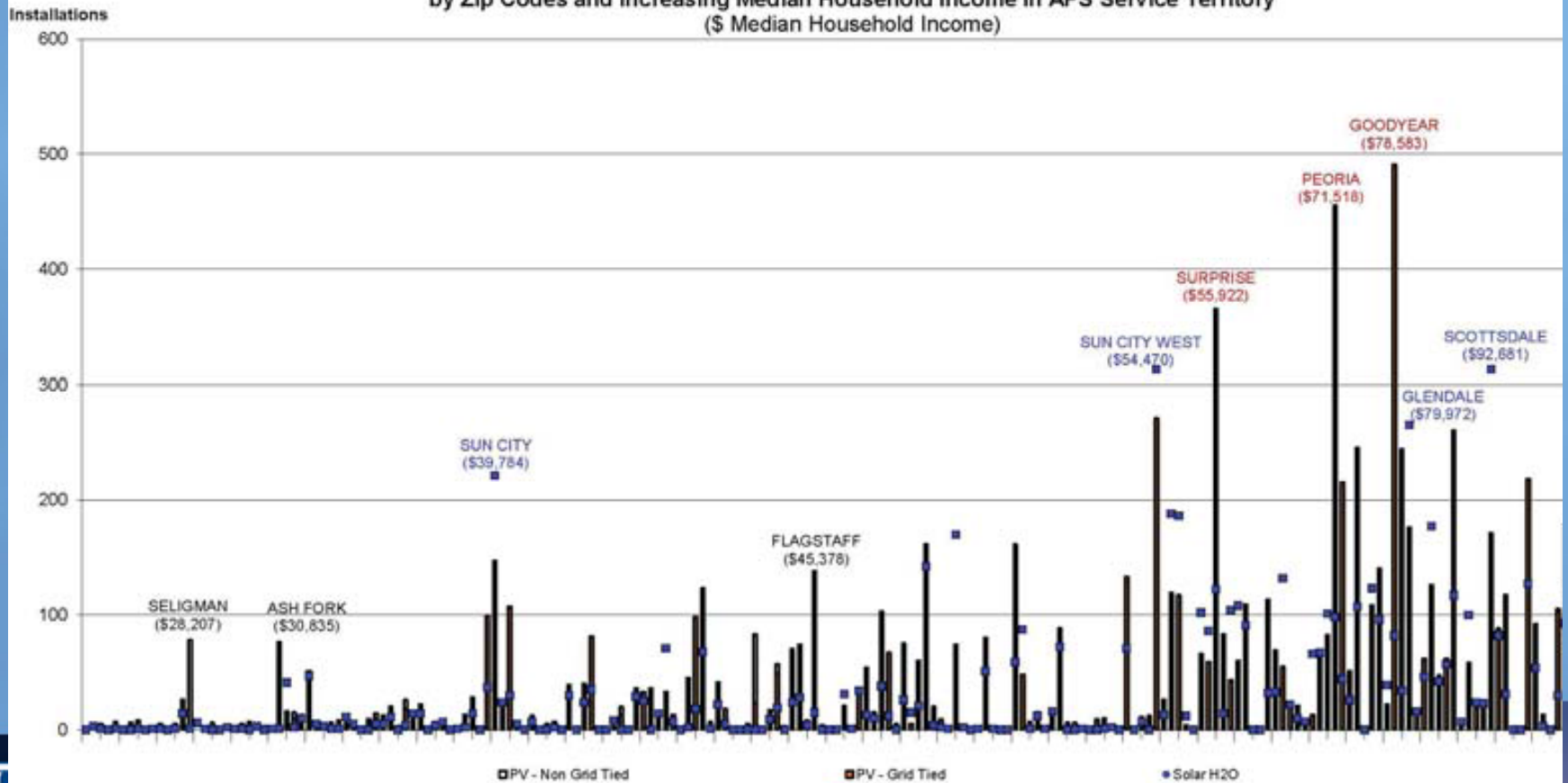
# Integrate with other plans-general plan, climate change action, etc

- Ex. Plan Tucson:
  - GOALS FOR ENERGY AND CLIMATE CHANGE
    - I. Decrease energy and fuel demand
    - II. Increase use of renewal energy sources
    - III. Reduce carbon emissions
    - IV. Prepare for a changing climate
    - V. Pursue integrated planning



# Solar still mostly goes to wealthier areas, so a new plan is needed...

**Residential Photovoltaic and Solar Water Heating Installations (as of May '11)**  
by Zip Codes and Increasing Median Household Income in APS Service Territory  
(\$ Median Household Income)



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# Change Utilities' Role

- Los Reales: Renewable Natural Gas generation
- Future energy storage and release – start with critical facilities?
- 2013 study: Emergency services...question: solar as part of UPS system.
- Distributed renewable generation and energy storage for resiliency.
- Participate in ACC proceedings?



# Thank you!

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