



# OUC's Community Solar Program: Share the Sun

September 21, 2010

# What is Community Solar?

- One large solar photovoltaic (PV) array providing virtual energy benefits to multiple customers.
  - Utility Administered
  - Customer Subscribers
  - Long-term 3<sup>rd</sup> Party Power Purchase Agreement
  - Virtual Net Metering
  - Requires Host site



# Benefits of Community Solar



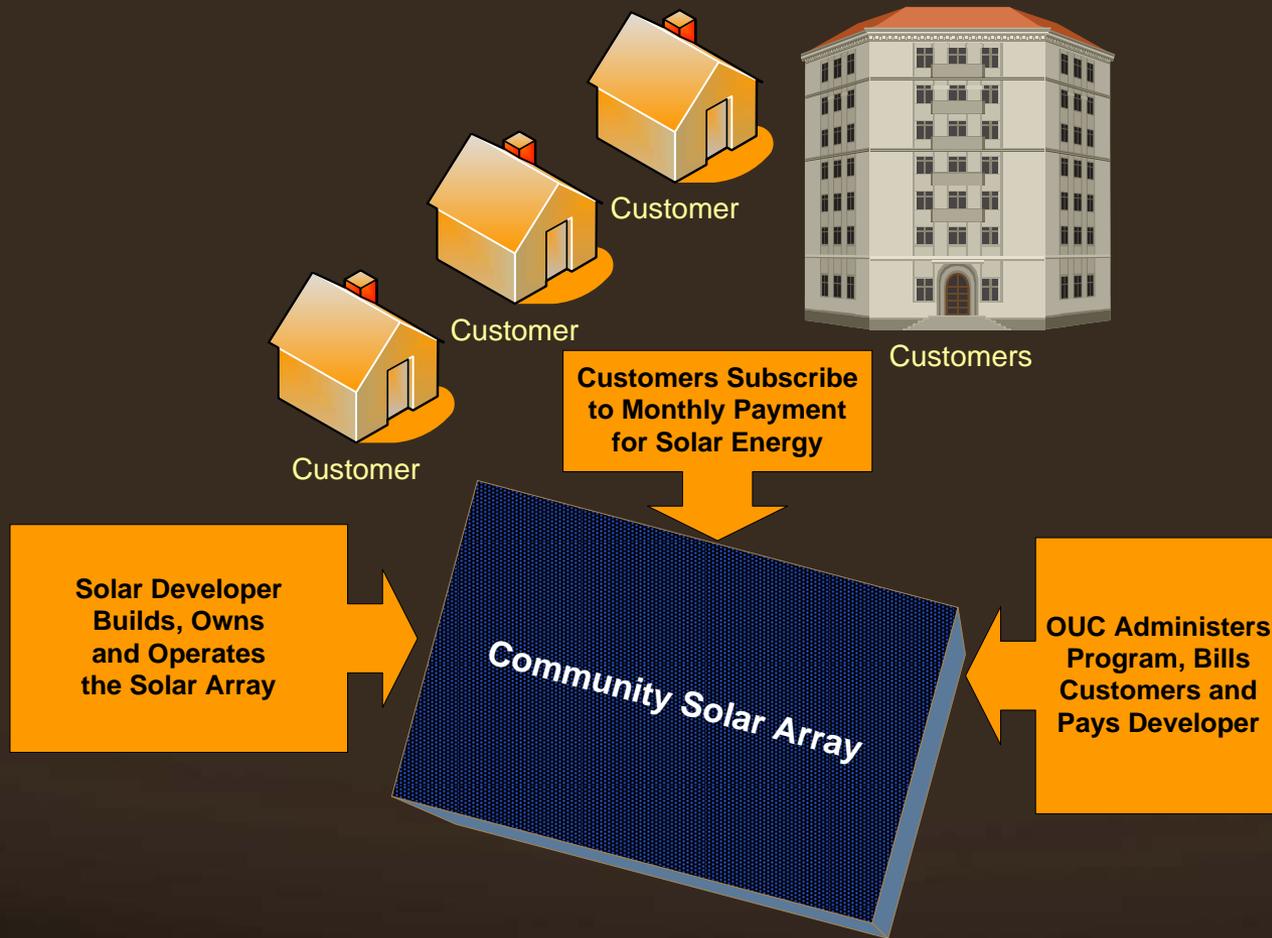
- Reduces cost of solar through economies of scale
- Provides electricity rate stability over the life of the project
- Provides an opportunity for customer education
- Requires no upfront customer investment
- Eliminates site-related barriers to participation
  - Multi-family residences
  - Renters
  - Shaded sites
  - Concerns about roof-penetrations or aesthetics

# Share the Sun Program Details



- Estimate solar array size of 500 KW
- Installed on a publicly visible, easily accessible site
- Target fixed rate to customer of \$0.13 to \$0.15 per KWH
- OUC enters into lease agreement with host site
- OUC holds 20-year power purchase agreement with selected vendor
- 3<sup>rd</sup> Party developer finances, owns and operates solar array
- OUC markets program and bills customers monthly
- OUC buys down the PPA rate by purchasing the renewable energy credits from the project
- Customers that use less electricity than their share of the system produces receive a credit on their bill at the retail rate

# Proposed Program Structure



# Project Development Process

1. Identify site
2. Secure site lease with host
3. Select vendor
4. Sign PPA with Vendor
5. Develop customer billing approach
6. Subscribe customers
7. Build solar array
8. Bill customers monthly based on actual system production and % share



# Estimated Project Schedule



Identify site	3 <sup>rd</sup> Quarter 2010
Secure site license with host	3 <sup>rd</sup> /4 <sup>th</sup> Quarter 2010
Select vendor	4 <sup>th</sup> Quarter 2010
Sign PPA with Vendor	1 <sup>st</sup> Quarter 2011
Develop customer billing approach	1 <sup>st</sup> Quarter 2011
Subscribe customers	2 <sup>nd</sup> Quarter 2011
Build solar array	2 <sup>nd</sup> /3 <sup>rd</sup> Quarter 2011
Billing goes live	3 <sup>rd</sup> Quarter 2011

# City of Orlando's Potential Role



- Provide a host site for the project
- Sign site lease agreement with OUC
- Sign up as first customer (possible pre-payment)
- Promote the program

