Florida’s Solar Future is in Our Hands
“I’d put my money on the sun and solar energy. What a source of power! I hope we don’t have to wait until oil and coal run out before we tackle that.”

Thomas Edison
IMPORTANT: SOLAR HELPS EVERYONE!!!!

Studies show Rooftop Solar Helps EVERYONE...HOW?

- Helps prevent need for EXPENSIVE new power plants: *biggest cause of rate increases*
- Reduces costly upgrades to grid
- Improves air and water quality
- Stabilizes utility bills for everyone
- Energy independence
- Keeps billions invested here for a stronger economy

**Brookings Report:** Rooftop Solar: Net Metering is a NET Benefit, May 2016
FLORIDA SURGING AHEAD

➢ Experts say we should be in the top THREE states

➢ Florida had highest residential solar growth in U.S. – 110% growth in 2016 (PV MAGAZINE)

➢ Huge population growth expected -
  Today – 21 million  2040 – 26 million

SOLAR KEEPS JOBS AND MONEY IN FLORIDA USING OUR HOMEGROWN ENERGY SOURCE
Floridians Pay 40% more than the National Average

US Department of Energy
“With an estimated 14% return, rooftop solar is the best investment today a homeowner in Florida can make.”
“Rooftop PV solar is now
* 4 cents per kWh hour with the Co-op
Vs
* 12 cents on average for current retail for fossil fuel”

*Results vary by roof, region and utility.
Anyone in FL can put solar on their roof: HOA cannot prevent
Requires Utilities to Buy Back Unused Power: “Net Metering”
FL consumers do not pay property or sales tax on rooftop solar installations
FEDERAL LAW

• Federal Law gives a 30% Investment Tax Credit off your installation cost

• Example: System cost $10,000 (you pay net $7,000)
CONSUMERS FACE TWO BARRIERS TO SOLAR ADOPTION

- KNOWLEDGE
- PRICE
PROVEN SOLUTION:
Cooperatives Hosted by
Solar United Neighborhoods of Florida
Now In Five States
Making solar EASY, UNDERSTANDABLE and AFFORDABLE!

21 Cooperatives in Florida in 2016/17
Three in Orange County, two in Broward, Sarasota, St. Pete, Alachua, Brevard, Seminole, Volusia, Six in Miami, Palm Beach, Tampa, North Pinellas, St. Augustine, with more to come in 2018: Tallahassee, North Keys, Citrus, Manatee....and more
What is a Solar Cooperative?

• Homeowners join a geographic cooperative hosted by SUN (usually county-wide)

• The cooperative bundles the group’s buying power...

• And using a competitive bidding process, members select installer and secure significant discounts
What is a Solar Cooperative? (more)

- Members have no obligation to go solar or sign contract
- Each homeowner who wants to proceed, contracts individually with the Co-op’s selected installer
SOLAR
PUBLIC INFORMATION SESSIONS

Consumers learn about solar
Meetings provide:
• Solar knowledge
• Solar Co-op benefits
• Solar financing options
Installations are strictly regulated and designed to withstand hurricane force winds.

1. Solar Panel Converts Sunlight to DC Current
2. Inverter converts electricity DC to AC
3. Take electricity your home requires
4. Extra Electricity Credited on grid
<table>
<thead>
<tr>
<th>Description</th>
<th>3 kW</th>
<th>9 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example, not actual co-op pricing. System size will vary</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System cost before incentives ($3.00/Watt)</td>
<td>$9,000</td>
<td>$27,000</td>
</tr>
<tr>
<td>Co-op discount (10 to 20% off)</td>
<td>$1,500</td>
<td>$4,500</td>
</tr>
<tr>
<td>Initial upfront cost after co-op ($2.50/Watt)</td>
<td>$7,500</td>
<td>$22,500</td>
</tr>
<tr>
<td>Federal tax credit (30% of system cost)</td>
<td>$2,250</td>
<td>$6,750</td>
</tr>
<tr>
<td>Estimated annual electricity savings</td>
<td>$493</td>
<td>$1,479</td>
</tr>
<tr>
<td><strong>Total Cost (after one year)</strong></td>
<td><strong>$4,757</strong></td>
<td><strong>$14,271</strong></td>
</tr>
</tbody>
</table>
Solar Payoff for Homeowners

• Savings on electric bills start with hook up: 5-10 year payback

• Recover rooftop solar cost when selling:
  ✓ new installations valued at almost new price
  ✓ older installs valued at depreciated price

Source: 2015 DOE study “Selling into the Sun” of 8 states including Florida
MANY CO-OP PARTNERS

- League of Women Voters chapters statewide
- Funders: Southern Alliance for Clean Energy, Gulf Coast Community Foundation, Barancik Foundation, Cities and Counties
- Sierra Club of Florida, Audubon Chapters
- County Governments: BROWARD, ORANGE, MIAMI DADE, HILLSBOROUGH
- Cities: Orlando, Rockledge Gardens, Satellite Beach, South Miami, St. Pete, Deland, and more
- Florida Green Building Council

- Florida House Institute
- Unitarian Church - UU
- UCF Sustainability
- Barry Law School, Center for Earth Jurisprudence
- Winter Park Garden Club
- Northland Distributed Church
- Rotaries: Hispanic and Volusia County
- Sarasota Teachers United, Volusia County Teachers Union
RESULTS of Co-ops?

- Solar reduces utility bills, consumers save money
- Solar increases property values
- “Power up” for much less when you buy an electric car
- Access to electricity during hurricane blackouts (not all systems)
Let’s Get Going!
WWW.FLSUN.org

To volunteer contact, 
FloridaLeague@earthlink.net