



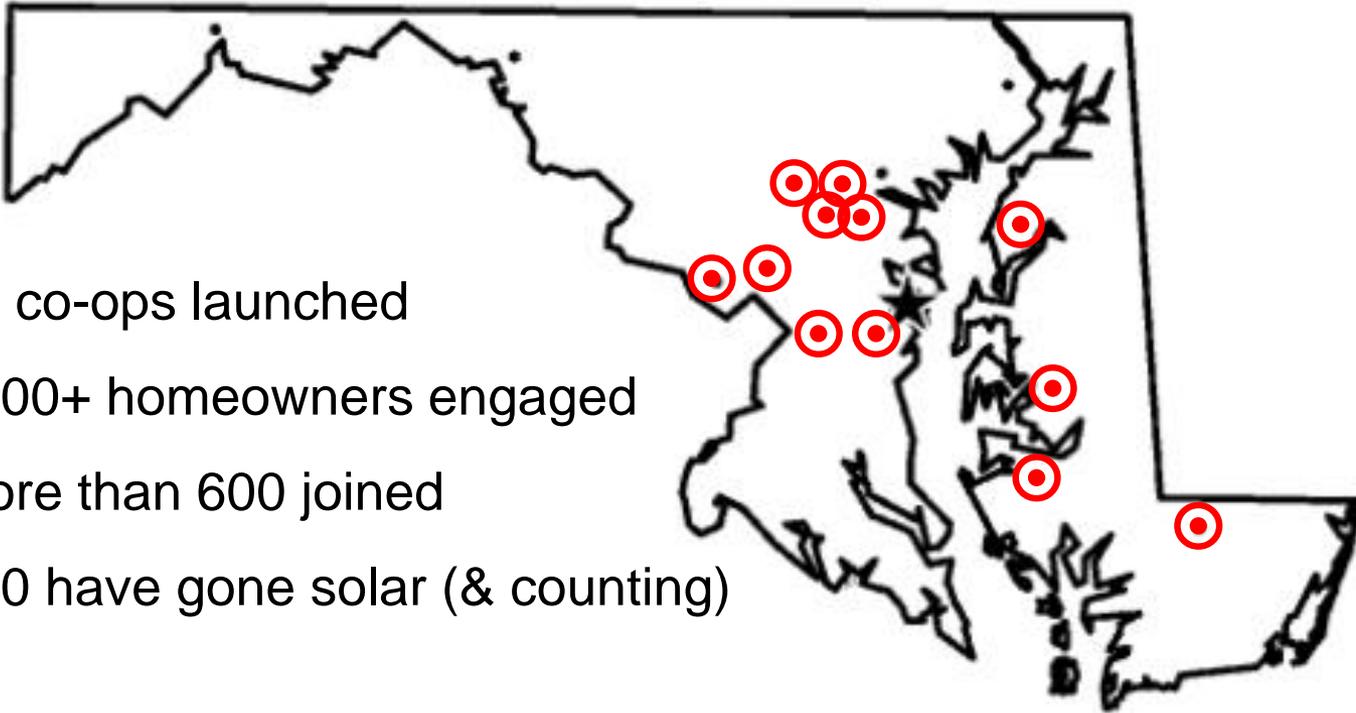
# MD SUN

Maryland Solar United Neighborhoods

COMMUNITY SOLAR UPDATE:  
MARCH, 2016

## Since January, 2015 in Maryland:

- 12 co-ops launched
- 1000+ homeowners engaged
- More than 600 joined
- 230 have gone solar (& counting)



ABOUT MD SUN

- Community solar = shared energy
- Energy credited to subscribers' bills
- Cheaper electricity now (and in the future)
- Unlocks solar access for all : Fairness/Equity
- Cleaner, healthier energy
- Empowers participation in a clean energy future

WHAT IS COMMUNITY SOLAR?

- PSC Approved regulations on February 22<sup>nd</sup>
- Regulations posted in Maryland Register soon
- Finalized by mid-May or sooner
- Utilities to file tariffs 45 days after that
- Projects likely available by mid to late Fall

MARYLAND COMMUNITY  
SOLAR PILOT (STATUS)

# PILOT SIZE

**218 MW (1.5% of peak demand by utility)**

Utility	2015 Peak Demand Forecast	1 <sup>st</sup> yr. 0.6%	2 <sup>nd</sup> yr. 0.6%	3 <sup>rd</sup> yr. 0.3%	Total 1.5%
BGE	7,127 MW	43 MW	43 MW	21 MW	107 MW
Pepco	3,458 MW	21 MW	21 MW	10 MW	52 MW
Potomac Edison	1,623 MW	10 MW	10 MW	4 MW	24 MW
Delmarva	1,024 MW	6 MW	6 MW	3 MW	15 MW
SMECO	919 MW	5.5 MW	5.5MW	3 MW	14 MW
Other	393 MW	2.5 MW	2.5 MW	1 MW	6 MW
<b>Total</b>	<b>14,544 MW</b>	<b>88 MW</b>	<b>88 MW</b>	<b>42 MW</b>	<b>218 MW</b>

(approximate sizes)

**KEY ELEMENTS**  
(PENDING FINAL PUBLICATION)

# CAP CATEGORIES

- **40% Open** - Any projects up to 2MW
- **30% Low-to-moderate income (LMI)**
  - Serving 30%+ LMI with at least 10% low-income
- **30% Small, brownfields and other**
  - < 500kW
  - Rooftops, parking areas, roadways
  - Brownfields
  - 51%+ LMI subscribers

**KEY ELEMENTS**  
(PENDING FINAL PUBLICATION)

# RETAIL CREDIT

- Full Retail Credit (just like rooftop solar)
- kWh or Dollar Credit available
- Subscription up to 200% of annual usage
- Multiple subscriptions in different arrays OK
- Solar on site + community solar OK
- Excess generation at supply rate (SOS or retail)

KEY ELEMENTS  
(PENDING FINAL PUBLICATION)

# SUBSCRIBERS

- Maximum of 350 subscribers per facility
- Subscriber and facility in same service territory
- Low-income = 175% of Federal Poverty Level
- Moderate-income = 80% of MD Median Income

KEY ELEMENTS  
(PENDING FINAL PUBLICATION)

# SUBSCRIBER ORGANIZATIONS

- Public, private, non-profit, utility, municipal
- Own the SRECs
- Participating utilities can't recover projects costs through base rates

KEY ELEMENTS  
(PENDING FINAL PUBLICATION)

# WHAT WILL THIS LOOK LIKE?

- Equipment or power purchases
- Long and short term contracts
- Direct purchase
- Various subscription/share sizes
- Big for-profit ventures, small community-based too

POSSIBLE MODELS

# LOW AND MODERATE INCOME SUBSCRIBERS

- Marketing
- Financing availability
- Credit scores
- Solutions

ACCESS ISSUES

# LOW AND MODERATE INCOME SUBSCRIBERS

## Subscription Backer Model

- Anchor tenant (church, college, municipality, etc.)
- Contract for [X] kWh or [X]% of array
- Plus agree to backstop [X] kWh or [X]% for others

EXAMPLE SOLUTION



# Questions

Thank you!

[corey@mdsun.org](mailto:corey@mdsun.org)

240-334-7720 (m)