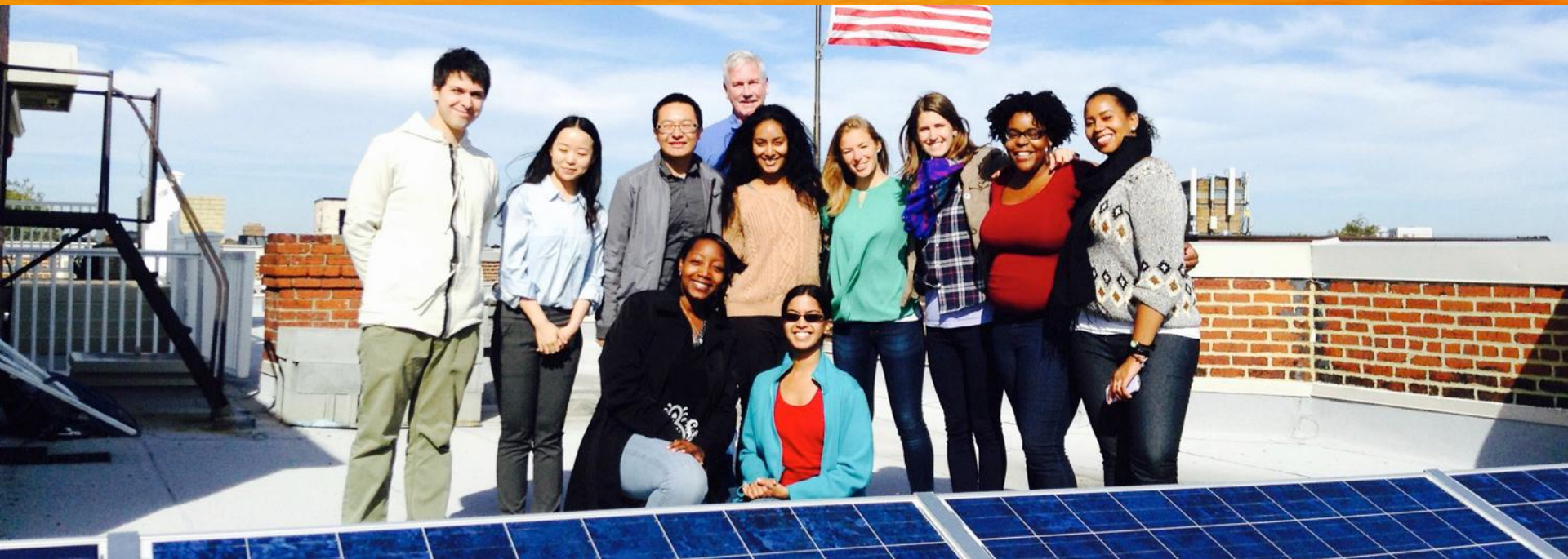




MDSUN

Maryland Solar United Neighborhoods

Community Solar Workshop

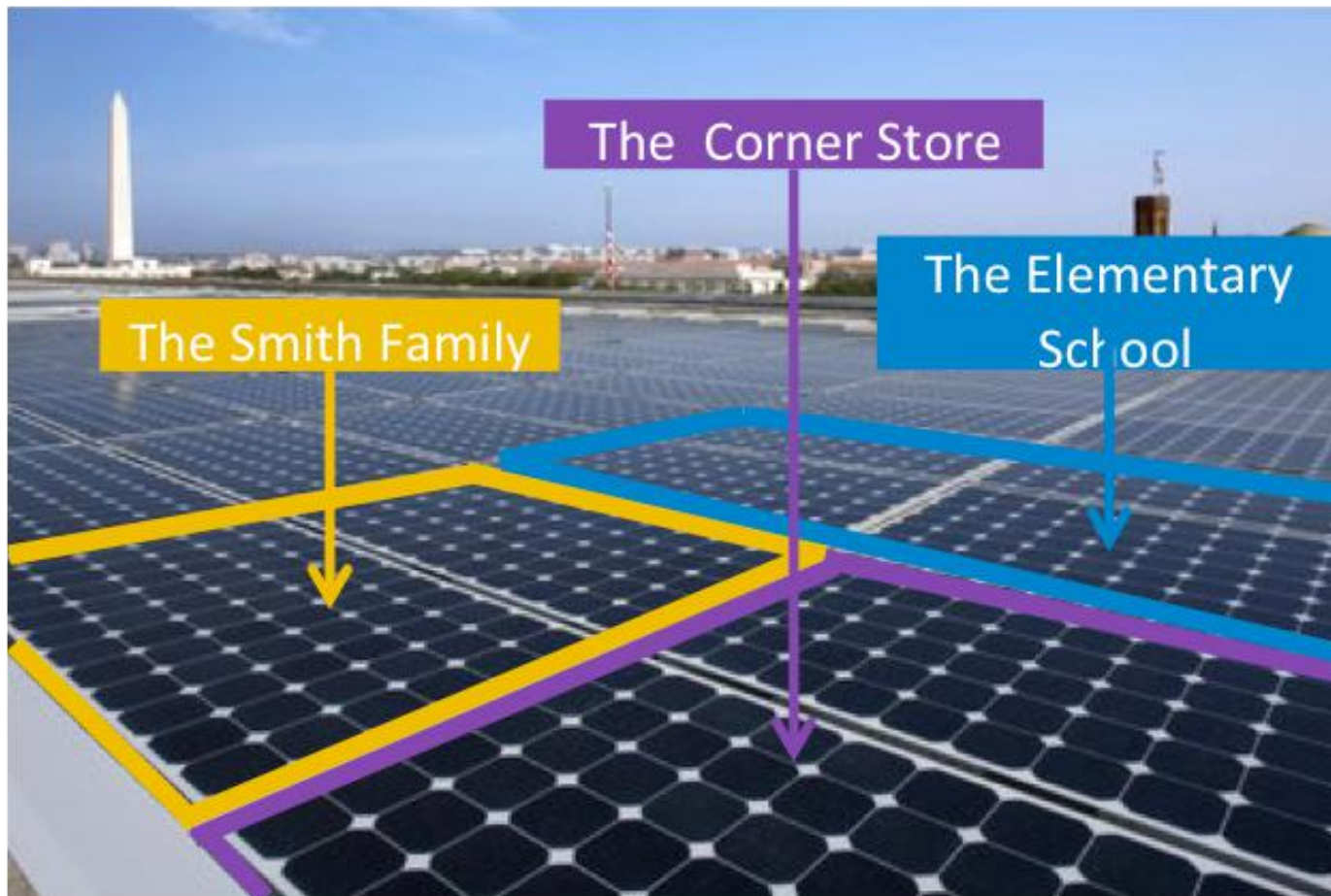


Agenda

- Community Solar in Maryland
- Project Development
- Community-driven Models
- Discussion/Questions

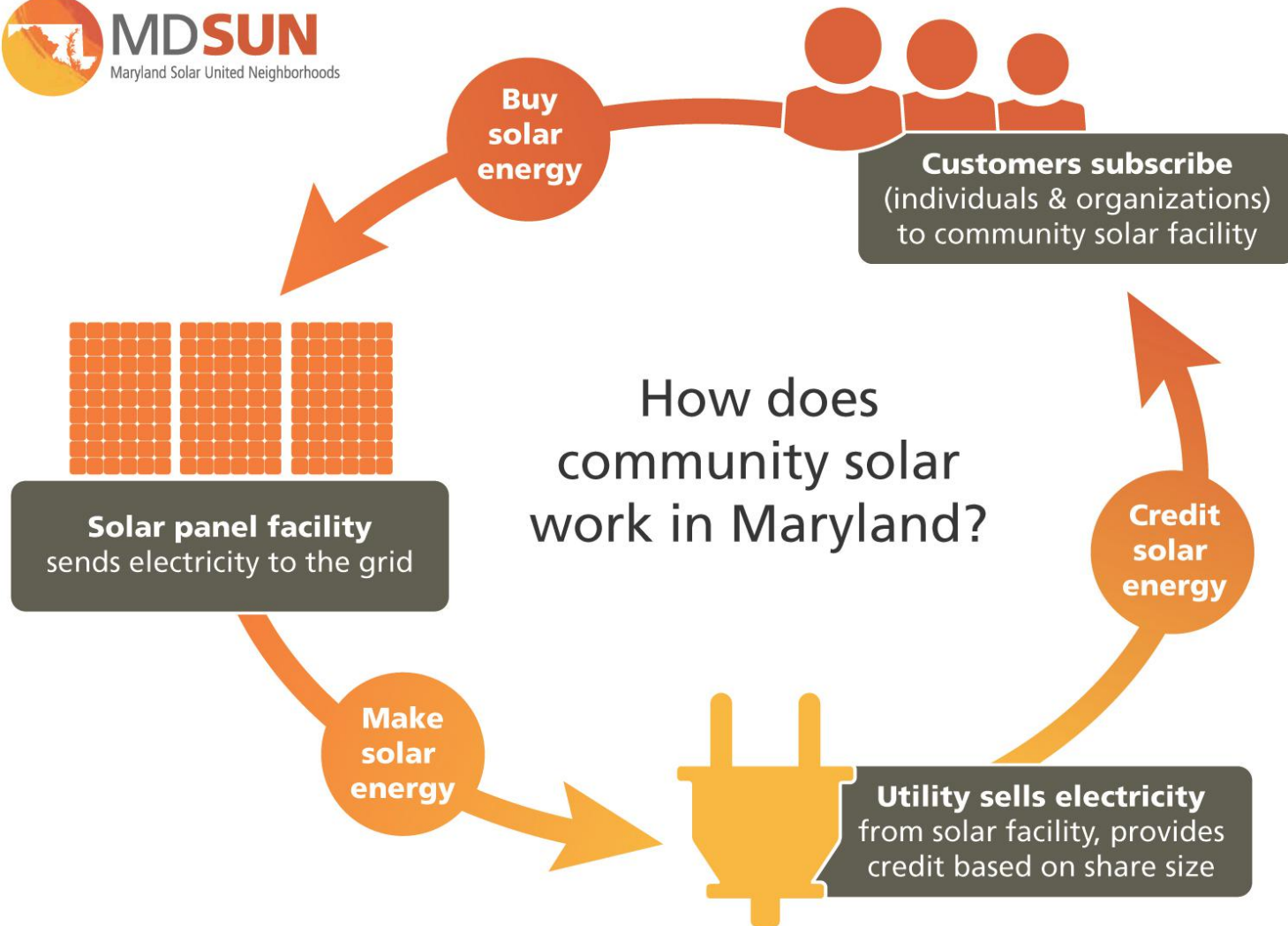
Community Solar in Maryland

What is community solar? & Why?



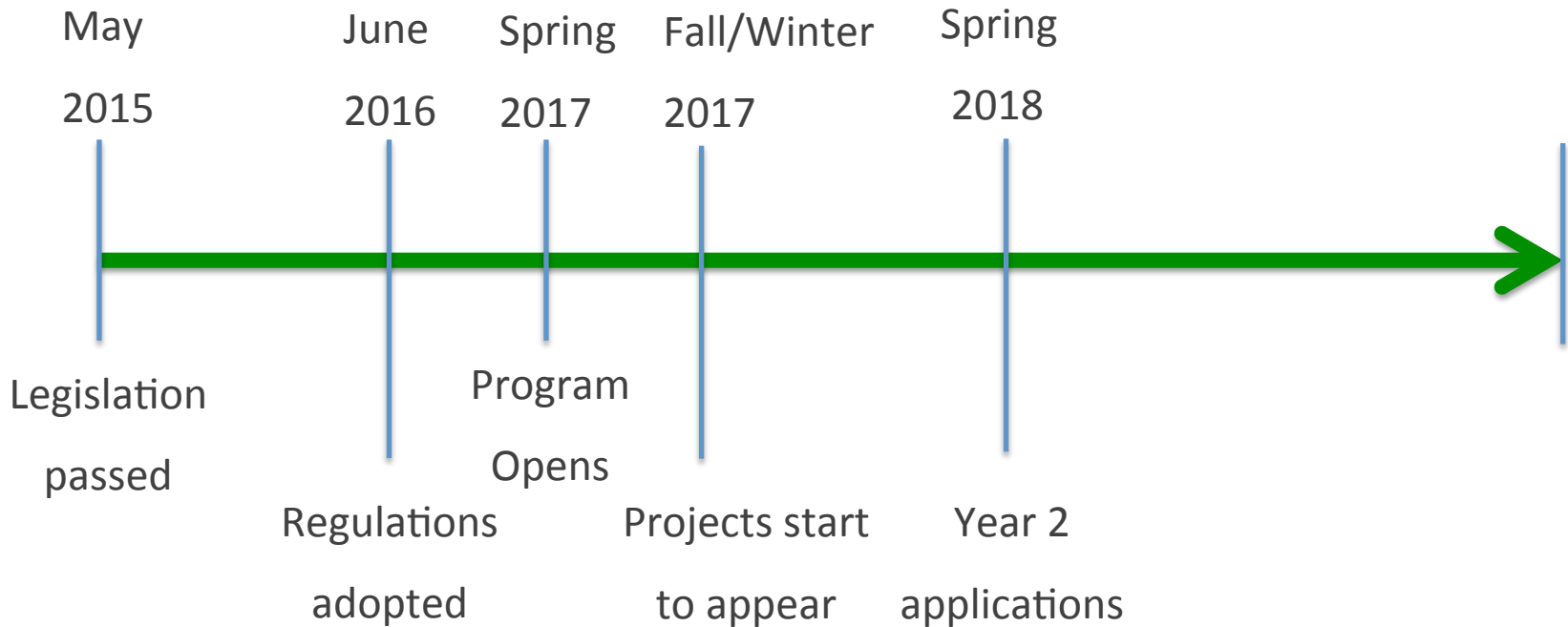
Courtesy of Vote Solar

Community Solar in Maryland



Community Solar in Maryland

3 year pilot program



(NOTE: Projects online during pilot stay online after pilot ends)

Community Solar in Maryland

Some Basic Terminology - Power vs. Energy



Capacity / Power
kilowatt (kW)

Energy used
Kilowatt-hour (kWh)

Image from Solar Schools

Community Solar in Maryland

Subscribing on your own

Examples of some possible subscription types:

- \$/month for part of the output (in kWh)
 - Paying by kilowatt-hour
- \$/once for part of total array capacity
 - Paying by kilowatt (ex. 5 kW)
 - This would be like a pre-paid purchase of energy

Project Development

Terminology

1. Subscribers
2. Developer(s)
3. Subscriber Organization
4. Land holder
5. Utility Company
6. Public Service Commission

Project Development

Project components & costs

1. People - Households and/or businesses (“Subscribers” or “Off-takers” of energy)
2. Location (land, roof, parking lot, etc.)
3. Financing (& legal)
4. Construction
5. Operations & maintenance

Project Development

Subscriber Organization's role?

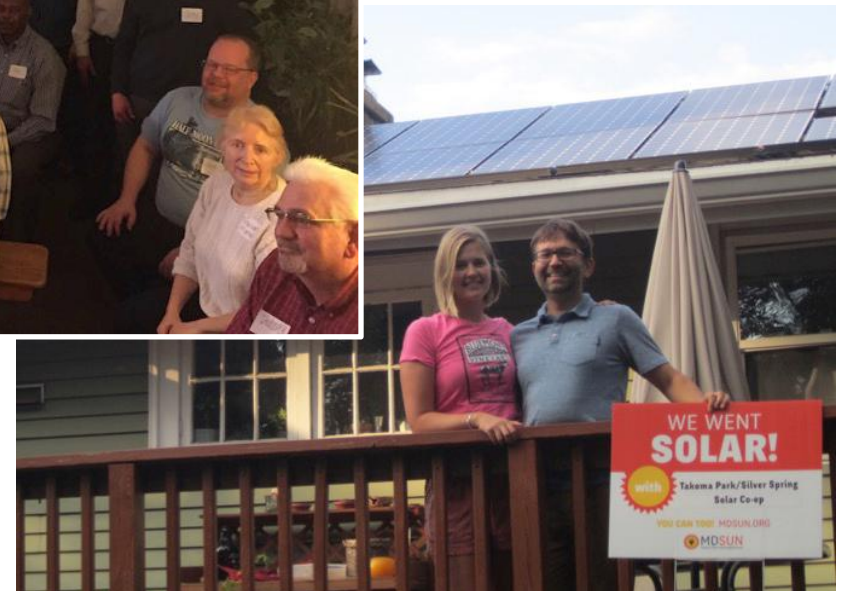
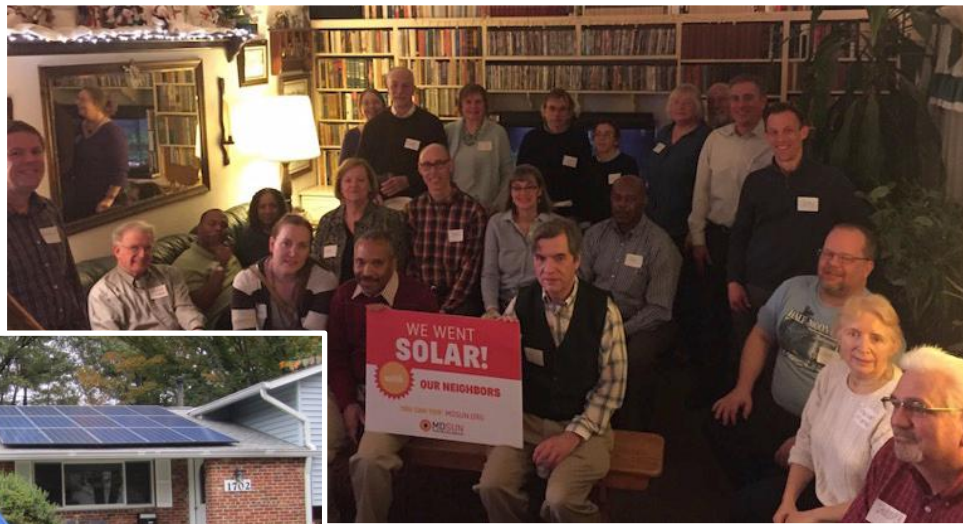
- Finances and builds
- Claims incentives
- Contracts, subscriptions, billing, etc.
- Communicates w/ utility
- Maintains for 25 years

Community-driven examples



Community-driven examples

Why do this as a group? Negotiating power...



... and shared commitment to affordable clean energy

Community-driven examples

1. “Subscribers negotiate together”
2. “Subscriber-owned Energy”

Community-driven examples

We want clean energy!



I need customers and a location

I've got space!

Community-driven examples

#1 “Subscribers negotiate together”

- Subscriber organization builds a multi-user solar project
- Community members (subscribers) buy individual shares of the project, bringing:
 - Interested customers
 - {Possibly land partner}

Community-driven examples

North Chevy Chase / Kensington
Community example

Community-driven examples

#2 “Subscriber-owned Energy”

- Determine size of project needed
- {Possibly finds land partner}
- Select and contract w/ Developer(s)
- Finance project
- Operate (or contract out) Subscriber Organization management (25 yrs.)

Community-driven examples

Questions / Discussion

Thank You!

www.mdsun.org/community-solar

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