Washington Solar Summit
Bringing Solar to Low-Income Households
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SOLAR AROUND WA

Solar Photovoltaic Systems Installed
EXISTING PROGRAMS FALL SHORT

$6.7 million

- single family homes -

$6.8 million WA solar incentives paid out in 2015

$80,000

3,400 solar homes
20 MW solar deployed
$2.1 million annual savings

4 solar affordable housing properties
0.1 MW solar deployed
$15,000 annual savings

THE GREEN DIVIDE

- multifamily affordable housing -
Energy Burden - Disparity

Electricity Expenditures by Income Quintile

- Lowest 20 percent: 9.92%
- Second 20 percent: 4.81%
- Third 20 percent: 3.32%
- Fourth 20 percent: 2.33%
- Highest 20 percent: 1.38%
Percentage of Low-Income Households with +$200/ month electric bills
Source: Groundswell
AFFORDABLE CLEAN ENERGY (ACE)
STAKEHOLDER GOALS

- Preserve affordable housing by reducing operating costs.
- Engage with low-income communities and empower them to act on their environmental priorities.
- Develop a green jobs pipeline.
- Use solar plus storage to support resilience.
- Identify new funding sources and mechanisms for solar that support the growth and preservation of affordable housing.
Why isn’t there more solar on affordable housing in Seattle?

Simple Payback – No Incentives
ACE GAME PLAN

- Develop Program
- Design
- Recommendations

- Seek Policy Changes, Financing, Investment

- Pilot Project

- Scale Up
## DEPLOYMENT PATHS AND TOOLS

### Possible Incentive Mechanisms

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<tr>
<th>Level</th>
<th>Mechanism</th>
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<tr>
<td>State</td>
<td>Production Incentive</td>
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<td>Clean Energy Fund</td>
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<td>Housing Finance Commission</td>
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<td>Local</td>
<td>Building Standards and Grant Funds</td>
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<td>Utility</td>
<td>Grants and Rebates</td>
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<td>State</td>
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<tr>
<td>California</td>
<td>Past CA Solar Incentive Funds for Low-Income Homes ~ $180 million 100MW Community Solar EJ Geographic Allocation $100 million /yr for solar on low-income housing</td>
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<tr>
<td>Colorado</td>
<td>5% Low Income Inclusion Requirement in Community Solar Projects Rebates to cover cost of installation for low-income customers</td>
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<tr>
<td>District of Col</td>
<td>Rebates to cover cost of installation for low-income customers</td>
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<td>New York</td>
<td>Low Income community solar projects first in line – 20% LMI target x2 Rebate Incentive for solar on LMI homes</td>
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<td>Oregon</td>
<td>10% Low Income Inclusionary Target in Community Shared Solar Program</td>
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<td>Vermont</td>
<td>Low-Interest Loan available for LI customers to buy into community solar</td>
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FEDERAL INITIATIVE – CLEAN ENERGY SAVINGS FOR ALL

- Goal: 1GW of solar for LMI households by 2020
- Multi-Agency Partnership
- 100MW of solar on Federal Housing
- Solar access to LIHEAP Funds
- Community Solar Challenge - TBA
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