Bill Freeman, Director
Maryland Office of Home Energy Programs

NEUAC Annual Conference

June 27, 2017
The Office of Home Energy Programs (OHEP) provides bill assistance to low-income households in the State of Maryland to make their energy costs more affordable and to help with the prevention of loss and the restoration of home energy service.
3 jobs = 3 Perspectives
And still no great insights!
Wrestling with affordability…

• “We make energy affordable!”
• “We pay for the energy that is not affordable!”
Affordable

Poor Housing

Unit Cost

Income

Conservation

Other Expenses

Unaffordable
Not to mention...

- Equity
- Environment
Energy Justice in Maryland’s Residential and Renewable Energy Sectors

1. LIMIT ENERGY BURDENS TO 6 PERCENT
2. INVEST IN SOLAR ENERGY
3. EXPAND EFFICIENCY AND WEATHERIZATION

= REDUCE OR ELIMINATE THE NEED FOR ASSISTANCE

Arjun Makhijani, IEER.ORG
<table>
<thead>
<tr>
<th></th>
<th>AEP no solar (2017)</th>
<th>AEP with solar (2017)</th>
<th>AEP with solar (2031)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total 2013 assistance costs</td>
<td>$121,000,000</td>
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<tr>
<td>Total AEP costs</td>
<td>$150,000,000</td>
<td>$149,000,000</td>
<td>$122,000,000</td>
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<tr>
<td>Added AEP costs over present</td>
<td>$29,000,000</td>
<td>$121,000,000</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>program</td>
<td></td>
<td></td>
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<tr>
<td>Non-energy benefits</td>
<td>$32,000,000</td>
<td>$35,000,000</td>
<td>$71,000,000</td>
</tr>
<tr>
<td>Net costs (negative (in red) =</td>
<td>$3,000,000</td>
<td>$7,000,000</td>
<td>$70,000,000</td>
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<tr>
<td>cost savings)</td>
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<tr>
<td><strong>Total AEP costs</strong></td>
<td>$363,000,000</td>
<td>$323,000,000</td>
<td>$297,660,000</td>
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<tr>
<td><strong>Added AEP costs over present</strong></td>
<td>$242,000,000</td>
<td>$202,000,000</td>
<td>$176,660,000</td>
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<td><strong>Non-energy benefits</strong></td>
<td>$-</td>
<td>$-</td>
<td>$-</td>
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Direct to the people...
Mid-Atlantic Impact Map

Systems Installed
110

kW Installed
458

Lifetime Savings
$2,440,906

Tons of Greenhouse Gas
Regional Greenhouse Gas Initiative

• First mandatory market-based program in the United States to reduce greenhouse gas emissions. RGGI is a cooperative effort among several NE states to cap and reduce CO$_2$ emissions from the power sector.

• At least 50% to energy assistance in Maryland.
Community Solar in Maryland

• “Facilitate market entry for all potential subscribers while giving priority to subscribers who are the most sensitive to market barriers.”
<table>
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<th>Total home energy expenses after energy assistance</th>
<th>Annual savings resulting from participation in Community Solar (%) and $</th>
</tr>
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<td>Baseline- Home energy expenses after energy assistance; Household not participating in the community solar pilot</td>
<td>$880</td>
</tr>
<tr>
<td>Option 1- Subscribing to amount of energy usage remaining after application of energy assistance</td>
<td>$799</td>
</tr>
<tr>
<td>Option 2- Subscription at 100% annual usage + energy assistance grants applied to community solar subscription</td>
<td>$668</td>
</tr>
<tr>
<td>Option 3- Subscription at 100% annual usage + consolidated billing</td>
<td>$688</td>
</tr>
</tbody>
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Myriam Tourneaux, Fuel Fund of Maryland
Segmentation: Preparing for the future

- Source of Income
- Solar-ready roof
- Age
- Housing
- Disabilities and Illness
- Capacity to change
Thank you!

Bill Freeman: bill.freeman@maryland.org