State Facilities Leading the Way Innovation Ready

Maryland Wood Energy Coalition

October 30, 2013
Office of Energy Performance & Conservation

- Purchase
- Reduce
  - Energy Performance Contracts (EPCs)
  - Small Energy Performance Contracts (sEPCs)
- Change
  - Renewable Portfolio Standard
  - 20% by 2022
- Track
  - States Energy Database
  - 15% Reduction by 2015
Project Motivators

- Need
  - ~5,000 State Buildings
  - $166,000,000 DGS Maintenance Backlog
- Legislation
  - EmPOWER Maryland
- Competition
- Funding
Competition

- 16 Agency State Energy Competition
- State Energy Database
- Underperforming Agencies

http://www.dgs.maryland.gov/energy/AgencyCharts/index.html
Energy Performance Contracts

- Competition
  - Current IDC v6
    - 7 Pre-Approved Vendors
    - Compete each Project for Innovation
  - Future IDC v7

- Constraints
  - 15 Year Payback
  - Savings > Costs
Small Energy Performance Contract

- Competition
  - New IDC
  - 2 Pre-Approved Venders
  - Compete each project for Innovation

- Constraints
  - 10 Year Payback
  - Under $1,000,000
  - Savings > Costs
Innovation

- Unique Projects
- Various Geographic Locations & Constraints
- Various Missions, Needs, Functions, & Space Types
- Wood Energy Provides Innovation
DGS Coordination

- DGS Planning & Design
  - Technical Design Review
- DGS Capital Maintenance
  - Backlog
- DGS Real Estate
DGS & MEA

- DOE Small/Medium Buildings Grant
  - Training Sessions
    - 3 Sessions – July, August & September
    - Facilities Maintenance & Energy Managers
    - Project Identification
    - Funding Options
  - Audit Funding
## Future Project Stock

- **State Building Stock by Size**

<table>
<thead>
<tr>
<th>Size</th>
<th>Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;20,000 sf</td>
<td>16%</td>
</tr>
<tr>
<td>10,000-20,000 sf</td>
<td>8%</td>
</tr>
<tr>
<td>&lt;10,000 sf</td>
<td>76%</td>
</tr>
</tbody>
</table>

- **EPC’s By Size**

<table>
<thead>
<tr>
<th>Size</th>
<th>Large</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;20,000 sf</td>
<td>60%</td>
</tr>
<tr>
<td>10,000-20,000 sf</td>
<td>77%</td>
</tr>
<tr>
<td>&lt;10,000 sf</td>
<td>13%</td>
</tr>
</tbody>
</table>
Contact Information

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