IGEN Aggregation Program for Exterior Lighting

ICCCFO Conference
Thursday April 9, 2015
Illinois Green Economy Network
Network of 39 College Districts
Expand deployment of clean energy technologies
Increase employment opportunities
Improve environmental and human health
Foster community engagement
Accelerate market competitiveness

Go to igencc.org for more
Team

- Stephen Bell, Director, Lake County
- Rob Hilgenbrink, Advisor, SWIC
- Tim Gibson, IGEN PM, John A. Logan
- Katie Davis, Coordinator, Lake County
- Jamie Wheeler, Accounting, SWIC
- Marcia Lochmann, Coordinator, SWIC
- Jason Combs, PM, Sitton Energy Solutions
- Kris Steiger, Lighting Consultant, SMG
- College CFOs, Facility Directors, Staff
Grant from:

Illinois Department of Commerce and Economic Opportunity, Public Sector Energy Efficiency Key Account/Aggregation Program
IGEN is partnering with Sitton Energy Solutions to implement energy efficiency projects on IL community college campuses, specifically focused on:

- exterior lighting
- in the Ameren utility territory.

parking lot, roadway, exterior building, courtyard, pathway
Benefits

✓ Assistance in identifying exterior lighting needs

✓ Increased value resulting from consortium purchasing

✓ Simplified rebate process with DCEO

✓ Increased kWh savings and lower utility costs!

PROGRAM GOAL: Total energy savings of $1,250,000 kWh
Structure

- Determine lighting needs
- Receive proposals for consortium pricing
- Colleges encouraged to get their own bids
- IGEN PMs get rebate estimates and deal with paperwork
- Colleges acquire labor to install (internal or external) and purchase fixtures
- Colleges can draw from grant to cover some costs before project is completed (different from standard projects)
<table>
<thead>
<tr>
<th>DATE</th>
<th>TASK</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 27\textsuperscript{th}, 2015</td>
<td>Consortium pricing proposals due</td>
</tr>
<tr>
<td>Jan - February – 2015</td>
<td>Colleges obtain labor and/or fixture bids</td>
</tr>
<tr>
<td>Feb 13\textsuperscript{th} – 2015</td>
<td>Updated incentive/payback estimates provided to colleges</td>
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<tr>
<td>February BOT meetings</td>
<td>Colleges receive approval to proceed</td>
</tr>
<tr>
<td>March 6\textsuperscript{th} – 2015</td>
<td>Colleges issue PO to vendor</td>
</tr>
<tr>
<td>April 17\textsuperscript{th} – 2015</td>
<td>Latest date for fixture delivery per RFP</td>
</tr>
<tr>
<td>May 15\textsuperscript{th} – 2015</td>
<td>Latest date for all fixtures installed and</td>
</tr>
<tr>
<td>May 20\textsuperscript{th} – 2015</td>
<td>All completion verification paperwork due</td>
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Challenges

Completion of purchase and installation of fixtures by mid-May 2015

- Program began December 2014 by identifying eligible colleges and surveying lighting needs
- Developed RFP for consortium fixture pricing
  - Issued 1/13, Received Proposals 1/27, Awarded 2/4
- Colleges to determine labor costs
- Complete board approval process
- Timeframe must allow for delivery
- Fixtures installed by May 15, 2015
Results

IGEN Aggregation Program for Exterior Lighting

Overall Energy Reduction of 76%

<table>
<thead>
<tr>
<th></th>
<th>Before Improvements kWh</th>
<th>Estimated Savings kWh</th>
<th>DCEO Rebate on Savings</th>
<th>Annual Cost Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl Sandburg</td>
<td>129,792</td>
<td>79,453</td>
<td>$23,582</td>
<td>$7,945</td>
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<tr>
<td>Danville</td>
<td>374,752</td>
<td>287,310</td>
<td>$85,275</td>
<td>$20,112</td>
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<td>John A. Logan</td>
<td>151,325</td>
<td>128,269</td>
<td>$15,376</td>
<td>$10,903</td>
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<tr>
<td>Kaskaskia</td>
<td>17,993</td>
<td>13,841</td>
<td>$4,108</td>
<td>$1,384</td>
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<td>Southwestern</td>
<td>332,576</td>
<td>257,866</td>
<td>$65,127</td>
<td>$18,051</td>
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<td></td>
<td>1,006,438</td>
<td>766,739</td>
<td>$193,468</td>
<td>$58,394</td>
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</table>

NOTE: Rebate may increase by up to 15%
Next Steps

- Continue lighting installations
- Gather paperwork
- Input into DCEO system
- Closeout
- Rebates to Colleges

THANK YOU