

IGEN Aggregation Program for Exterior Lighting

ICCCFO Conference
Thursday April 9, 2015



Illinois
Department of Commerce
& Economic Opportunity
Pat Quinn, Governor

IGEN 
Illinois Green Economy Network
A Community College Partnership

IGEN

- 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

Funding Source

IGEN Aggregation Program
for Exterior Lighting

Grant from:

Illinois Department of Commerce and Economic Opportunity, Public Sector Energy Efficiency Key Account/Aggregation Program



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Overview

IGEN Aggregation Program for Exterior Lighting

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)

Timeline

IGEN Aggregation Program for Exterior Lighting

| DATE | TASK |
|--|---|
| January 27th, 2015 | Consortium pricing proposals due |
| Jan - February - 2015 | Colleges obtain labor and/or fixture bids |
| Feb 13th - 2015 | Updated incentive/payback estimates provided to colleges |
| February BOT meetings | Colleges receive approval to proceed |
| March 6th - 2015 | Colleges issue PO to vendor |
| April 17th - 2015 | Latest date for fixture delivery per RFP |
| May 15th - 2015 | Latest date for all fixtures installed and |
| May 20th - 2015 | All completion verification paperwork due |

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

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Overall Energy Reduction of 76%

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

NOTE: Rebate may increase by up to 15%

Next Steps

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

THANK YOU