


DCEO Energy Efficiency Portfolio Standard Programs

August 26, 2009

Illinois Department of Commerce & Economic Opportunity

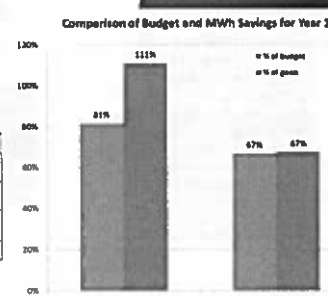


EEPS Year 1 Results

Year 1 Projects are estimated to achieve 42,869 MWh and reduce CO₂ emissions by 34,022 metric tons.

Comparison of Budget and MWh Savings for Year 1

Goal	Category	% of Goal
14,189 MWh Annual / 42,813 MWh Cumulative	DCEO MWh goals in plan	71%
10% of total portfolio	Lighting, schools, & community colleges	63%
0% of total portfolio	Low Income Households + 150% priority level	100%
\$12.8 million budget	Portfolio Budget	79%

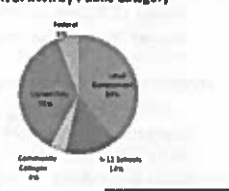


Public Sector Energy Efficiency Standard and Custom Programs

- DCEO provided incentives for 172 completed projects under standard and custom incentive programs.
- Local governments and K-12 Schools completed the most projects
- Most energy savings were from local government and university projects

Percent of kWh by Public Category

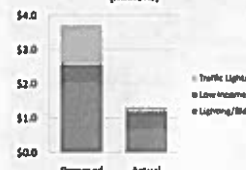
Category	Applications
Local Governments	71
K-12 Schools	61
Community Colleges	10
Universities	9
State	0
Federal	21



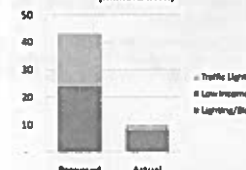
Public Sector Energy Efficiency Standard and Custom Programs

- Approximately seventy Year 1 projects were moved to standard program
- Several projects were greatly scaled back in scope of application

EEPS Spending - Chicago (millions)



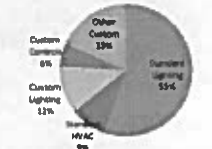
Energy Savings - Chicago (millions kWh)



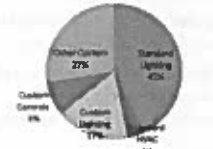
Note: City of Chicago projects include city buildings, fire & police, Chicago Public Schools, CTA, Park District, Daley Center, and Housing Dept.

Public Sector Incentive Energy Savings by Project Type

Share of Incentives by Project Type



Share of kWh Savings by Project Type




Custom Projects account for a much larger share of kWh savings (52%) than incentives (36%), due to their higher cost effectiveness (incentives/kwh).

Lights for Learning

- During the 2009-2009 school year, 1,339 schools and organizations participated in this program
- Program administered by MEEA
- 2,394 students participated in the fundraising program, selling over 37,000 CFLs and LED products
- Estimated kWh savings of 1.9M from the program

Total Sales by Product



Low Income Program

- Provided funding for programs and projects that will result in energy efficiency in 759 new housing units and more than 6,000 existing units.
- Achieved 862% of the planned kWh reductions from low income programs – 5,592,000 kWh rather than 678,000 kWh – due to greater emphasis on direct install projects and higher than anticipated completion rate of new housing projects.

Category	Completed	New Construction
GenEd	4,465	814
Ameron	1,828	145

Market Transformation Programs Smart Energy Design Assistance

Design Assistance

- Level 1 assistance (initial consultation) provided to...
- 148 reports for EEPS eligible projects were completed, including 74 with Level 3 analysis.
- Level 4 follow up services (implementation assistance) provided to 148 eligible projects.

Month	Level 2	Level 3
Jun-08	2	1
Jul-08	3	2
Aug-08	4	3
Sep-08	5	4
Oct-08	6	5
Nov-08	7	6
Dec-08	8	7
Jan-09	9	8
Feb-09	10	9
Mar-09	11	10
Apr-09	12	11

Market Transformation Programs Smart Energy Design Assistance

Potential savings

- Total potential energy cost savings for all clients with an internal rate of return of 24.7%.
- Total potential electrical energy savings for 1.2 million kWh (5.2 kWh per square foot). The associated cost is 1.2 million kWh.
- 53% of clients plan to implement or have implemented energy reduction measures. Based on client feedback, implementation has achieved an estimated savings of 4,486,385 kWh.

Market Transformation Programs Other Programs

- **Building Industry Training and Education**
 - The various grant recipients for this program provided almost 11,700 hours of training to building professionals.
 - Received 76 applications in Year 2 proposals, with over \$11.7 million in funding request. Program Funding is \$400,000 for Year 2.
- **Large-customer Energy Analysis Program**
 - have done over 20 diagnostic sessions with large energy users to identify current energy management practices, and have assisted 20 entities in developing energy action plans or provided technical services such as energy audits.

Challenges in Program Year Public Sector Programs

- Difficulty meeting local gov. goals – due to slow process for finding and approving projects.
- Potential overlap with Clean Energy and ARRA programs.
- Deluge of last minute projects and funding process.
- New lighting technologies were becoming available.

Challenges in Program Year Low Income Programs

- In the Low Income Retrofit Program, the program does not cover enough of the measure costs, due to program requirements.
- Public Housing Authorities fell through on program offerings, neither fitting Public Sector Programs as designed.
- The definition of low income household (< 30% level) precluded many projects and caused confusion.
- Difficulty in getting grants in place due to requirements, interagency agreements, legal review, varying agency structures, changes in agencies, etc.

Recommendations for Program Year 2

Public Sector Programs

- Increase incentives by about 10%
- Increase maximum project to \$200,000
- Add special category for outdoor lighting pilots
- Set earlier date to receive Final Applications
- Add measures to standard list – LED lighting, induction lighting, additional controls
- Add “but for” statement to certification
- Consider adding additional categories such as museums, private schools and universities
- Use ARRA programs (SEP and EECGB) to expand awareness, EEPS and develop projects
- Expand outreach efforts through IML, ILARC, etc.

Recommendations for Program Year 2

Low Income Programs

- Develop program targeted at Public Housing Authorities
- Provide greater flexibility in determining incentive levels for each measure, depending on actual program costs
- Put on hold Moderate Rehab Program
- Revise definition of low income based on SB2150 80 AMI vs. 150% of poverty level

