

<b>PROGRAM NAME</b>	<b>Public Sector Standard Prescriptive (2011 through 2014)</b>	<b>Revised June 24<sup>th</sup>, 2011</b>
<b>Objective</b>	Encourage public sector customers to purchase high efficiency electric and gas equipment through a menu of incentives for the installation of energy efficiency measures.	
<b>Target Market</b>	Units of Local Government, Municipal Corporations, K-12 Schools, Community Colleges, State and Federal Facilities, and State Universities	
<b>Program Duration</b>	This program started in 2008 under the EEPS program as an all electric program. It will continue over the next three years (June 2011 through May 2014) as an integrated electric and gas program.	
<b>Program Description</b>	<p>Simple menus of incentives will be offered for the purchase and installation of energy efficient equipment and measures to reduce electricity and gas consumption at public facilities. This program is the core DCEO program in terms of anticipated kWh and therm reductions in the public sector and has a significant budget as appropriate to that role. A streamlined incentive application and quality control process along with targeted marketing approaches will be employed to facilitate ease of participation and produce maximum program results.</p> <p>Specifically, funds will be made available on a first come, first served basis beginning on a date to be determined specific to program guidelines. Payments of less than \$10,000 for individual measures or bundles of measures will be made as rebates. At the discretion of DCEO, customers implementing measures eligible for payments of more than \$10,000 shall receive payment either as multiple rebates for separate packages of measures, or as one bundled grant. DCEo reserves the right to establish maximum payments per customer and to establish other procedures to manage the flow of funds in an orderly fashion(to help manage applicant expectations) throughout the program year.</p>	
<b>Eligible Measures</b>	<p>Eligible measures will include energy efficient equipment which has a broad application throughout the public sector. These include equipment in the areas of: lighting, electric heat pumps, motors/compressors/pumps, commercial gas and electric cooking equipment, gas and electric furnaces, gas boilers, gas and electric water heaters, controls, insulation, set back thermostats, boiler/furnace tune ups, steam traps, and more.</p> <p>The total list of measures can be made available upon request. DCEO reserves the right to revise the list of eligible measures as needed in accordance with current market development, technology development, EM&amp;V results, and program implementation experience.</p>	
<b>Implementation Strategy</b>	<p>The program will be administered by DCEO with contractor assistance as necessary. Efficiency measure implementation and installation will be the responsibility of the customer. Key elements of the Standard Prescriptive Program implementation strategy include:</p> <ul style="list-style-type: none"> <li>• <b>Public sector participant recruitment:</b> Participants will be recruited through targeted marketing and outreach activities, through energy service companies, through organizations that represent public sector facilities, and through energy vendor allies.</li> <li>• <b>Trade ally recruitment and training:</b> DCEO will coordinate closely with the electric and gas companies in the training and use of trade allies. These trade allies have been very helpful in the implementation of this program in the past, and it is intended to provide them more training and information on the program incentives, participation process and requirements.</li> <li>• <b>Technical assistance:</b> Technical assistance will be provided as needed with the assistance of the Smart Energy Design Assistance Center, the Energy Resources Center (both part of the State University System), and through the DCEO Performance Contracting and LEAP programs. It is expected that other energy service contractors and equipment vendors will provide assistance as well.</li> <li>• <b>QA/QC review:</b> Incentive applications will be subject to a quality assurance /quality control review to ensure all required forms and documentation have been submitted and that the calculation of incentive totals are correct.</li> <li>• <b>Project Verification:</b> DCEO reserves the right to site-verify installations prior to or after approval and incentive payments..</li> </ul>	

<b>Marketing Strategy</b>	<p>The first three years of the program have taught us the need for very targeted and creative marketing to the various sectors within the public sector market. The program will continue to market through local government associations, school and university associations, and building industry professional associations. DCEO will continue partnerships with statewide organizations such as ILARC, Illinois Municipal League, and Metropolitan Mayor's Caucus.</p> <p>DCEO has developed an EEPS brand for their program that will provide more visibility and awareness of the programs. DCEO will continue to market through its regional staff offices, state of Illinois press office, elected officials to do program announcements in their territories, DCEO energy website, participation in trade shows, webinars, and workshops, and through coordinated efforts with the electric and gas utilities.</p> <p>In addition, the program will target specific sub-groups such as municipal waste water treatment facilities within the state. The marketing approach will be to target their needs for pump, motor and compressor replacements, often not considered energy related products by the facilities. Once providing assistance in these process areas of interest and need, the extension of the program into lighting, controls, heating and cooling and other energy using areas will be made easier. Marketing outdoor lighting as a specific target area to municipalities, schools, state and federal buildings, and municipal corporations is another targeted marketing area that will be pursued. Finally, as a subset of this program, DCEO will engage the municipalities themselves to market, sell, and develop unique programs (such as aggregation of customers) that can increase the participation of Municipalities. The next three year program will investigate and implement expanded marketing approaches to the public sector.</p>
<b>Incentive Strategy</b>	<p>The first three years of the program have demonstrated that the public sector requires higher incentives than those necessary by the private sectors. This was demonstrated during the second year of the DCEO EEPS program when a "Spring Sale" was held with higher incentives. The customer response was significant.</p> <p>As a result, the DCEO prescriptive program for the next three years has been able to build into it an average incentive level twice what was used in the first three year program. DCEO reserves the right to modify the incentive levels as needed in accordance with current market developments, technology developments, EM&amp;V results, and program implementation experience.</p>
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>February 2011:</b> Commission approval</li> <li>• <b>March-May:</b> Final program design and protocol development</li> <li>• <b>June 2011:</b> Public Sector Standard Prescriptive Program Launched for 2011 through 2014</li> </ul>
<b>EM&amp;V Requirements</b>	<p>Deemed savings values will be used for most measures. After implementation of the efficiency measures, projects will be subject to post inspection to confirm proper installation and conformance with the measure specification. A statistically selected number of implemented projects will be evaluated to confirm savings. .</p> <p>DCEO will continue to coordinate the EM&amp;V process with the other utilities, but intends to issue its own EM&amp;V contracts based on a competitive solicitation issued by the DCEO. DCEO believes this is imperative to meet the requirements of a program that spans the entire state.</p>
<b>Administrative Requirements</b>	<p>Program manager responsibilities include final program design, marketing materials development, program marketing, and outreach, project management and QA/QC activities, tracking/reporting, and overall goal achievement.</p>

**Estimated Participation**

DCEO expects broad participation in the program from the entire public sector. The following estimates have been utilized for planning purposes. Actual participation will vary:

Public Sector Category	% of Measures
Units of Local Gov't	40%
Municipal Corporations	22%
K-12 School Districts	20%
Community Colleges	3%
State and Federal Facilities	5%
State Universities	10%

**Estimated Budget**

Electric Budget Information Total Program				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$16,360,210	\$16,833,289	\$16,956,539	\$50,150,038
Implementation Costs	\$1,742,000	\$1,770,000	\$1,787,000	\$5,299,000
<b>Total</b>	<b>\$18,102,210</b>	<b>\$18,603,289</b>	<b>\$18,743,539</b>	<b>\$55,449,038</b>
<b>ComEd (73%)</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$11,942,953	\$12,288,301	\$12,378,273	\$36,609,528
Implementation Costs	\$1,271,660	\$1,292,100	\$1,304,510	\$3,868,270
<b>Total</b>	<b>\$13,214,613</b>	<b>\$13,580,401</b>	<b>\$13,682,783</b>	<b>\$40,477,798</b>
<b>Ameren (27%)</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$4,417,257	\$4,544,988	\$4,578,266	\$13,540,510
Implementation Costs	\$470,340	\$477,900	\$482,490	\$1,430,730
<b>Total</b>	<b>\$4,887,597</b>	<b>\$5,022,888</b>	<b>\$5,060,756</b>	<b>\$14,971,240</b>

Gas Budget Information Total Program				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$5,166,050	\$7,740,000	\$10,250,000	\$23,156,050
Implementation Costs	\$574,004	\$859,999	\$1,138,887	\$2,572,890
<b>Total</b>	<b>\$5,740,054</b>	<b>\$8,600,000</b>	<b>\$11,388,887</b>	<b>\$25,728,941</b>

<b>Estimated Budget Cont'd</b>	<b>Ameren</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Incentive Costs	\$1,580,400	\$1,605,537	\$1,632,836	\$4,818,773
	Implementation Costs	\$175,600	\$178,393	\$181,426	\$535,419
	<b>Total</b>	<b>\$1,756,000</b>	<b>\$1,783,930</b>	<b>\$1,814,262</b>	<b>\$5,354,192</b>
	<b>NICOR</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Incentive Costs	\$2,499,600	\$4,263,009	\$6,018,429	\$12,781,038
	Implementation Costs	\$277,733	\$473,668	\$668,714	\$1,420,115
	<b>Total</b>	<b>\$2,777,333</b>	<b>\$4,736,677</b>	<b>\$6,687,143</b>	<b>\$14,201,153</b>
	<b>People's Gas</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Incentive Costs	\$932,250	\$1,590,242	\$2,231,412	\$4,753,904
	Implementation Costs	\$103,583	\$176,693	\$247,934	\$528,210
	<b>Total</b>	<b>\$1,035,833</b>	<b>\$1,766,935</b>	<b>\$2,479,346</b>	<b>\$5,282,114</b>
<b>North Shore</b>					
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	
Incentive Costs	\$153,800	\$281,212	\$367,323	\$802,335	
Implementation Costs	\$17,088	\$31,245	\$40,813	\$89,146	
<b>Total</b>	<b>\$170,888</b>	<b>\$312,458</b>	<b>\$408,136</b>	<b>\$891,482</b>	
<b>Savings Targets</b>	<b>Net Savings (Gas/Electricity)</b>				
	<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Ameren (27%)	14,713,657	14,873,134	15,006,903	44,593,694
	ComEd (73%)	39,781,368	40,212,547	40,574,220	120,568,135
	<b>Total Electric Savings</b>	<b>54,495,025</b>	<b>55,085,681</b>	<b>55,581,123</b>	<b>165,161,829</b>
	<b>Gas Savings (Therms)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Ameren	870,363	882,909	900,202	2,653,474
	NICOR	1,372,624	2,339,142	3,296,903	7,008,669
	People's	515,809	872,447	1,217,487	2,605,743
North Shore	88,078	162,047	210,333	460,458	
<b>Total Gas Savings</b>	<b>2,846,874</b>	<b>4,256,545</b>	<b>5,624,925</b>	<b>12,728,344</b>	
<b>Other Program Metrics</b>	<b>TRC GAS: 3.80</b>				
	<b>TRC ELECTRIC: 1.59</b>				

<b>PROGRAM NAME</b>	<b>Public Sector Custom (2011 through 2014) <span style="float: right;">revised June 24, 2011</span></b>	
<b>Objective</b>	Provide public sector markets with financial incentives for electric and gas energy efficiency improvements based upon a technical engineering analysis. The purpose of the program is to encourage implementation of complex efficiency measures not well covered by the prescriptive program. This program will offer customized incentives based on calculated savings for specific customer projects.	
<b>Target Market</b>	Units of Local Government, Municipal Corporations, K-12 Schools, Community Colleges, State and Federal Facilities, and State Universities seeking to improve the efficiency of existing facilities through the implementation of energy measures not covered by other incentive programs. Key markets among public sector customers for this program will likely include large scale projects and facilities such as public hospitals, municipal water pumping and waste water treatment facilities, university campus systems, housing authorities, and other large public customers.	
<b>Program Duration</b>	This program started in 2008 under the EEPS program as an all electric program. It will continue over the next three years (June 2011 through May 2014) as an integrated electric and gas program.	
<b>Program Description</b>	<p>The Public Sector Custom Program will provide financial incentives for kWh and therm reductions available at the time of new equipment purchases, facility modifications, or large process improvements. Such improvements may be identified through the design assistance program (SEDAC), energy performance contracting providers, the large customer Energy Assistance program (LEAP), or other technical engineering analyses. The program is designed to be complementary with the Public Sector Standard Prescriptive program in order to cover efficiency improvements not explicitly covered by that program.</p> <p>DCEO program manager or implementation contractor will conduct an internal review of all custom incentive applications to verify savings calculations and DCEO reserves the right to site-verify data prior to or after approval and incentive payment.</p>	
<b>Eligible Measures</b>	Any public sector cost-effective electric and gas energy efficiency measures that are not covered by the Prescriptive Program incentives or incentives provided through other programs in the portfolio.	
<b>Implementation Strategy</b>	<p>The program will be administered DCEO with contractor assistance as necessary. Efficiency measure implementation and installation will be the responsibility of the customer. Participation in this program will be driven through all aspects of the DCEO market transformation and outreach programs:</p> <p>Trade allies, Smart Energy Design Assistance (SEDAC), DCEO performance contracting, LEAP program, Energy Resources Center, coordination with the utility programs, direct outreach by the DCEO program manager and his/her associates, and other mechanisms as appropriate.</p> <p>Guidelines for application to this program will be issued annually. DCEO reserves the right to site-verify installations prior to and/or after approval of participation in the program</p>	

<b>Marketing Strategy</b>	<p>The success of this program during the first three years of the EEPS program was based mostly on direct interaction of DCEO senior management and/or their key partners with senior representatives at public universities, hospitals, municipal corporations, waste water treatment facilities and other similar large projects. DCEO intends to continue this approach and develop sub-programs will target specific markets.</p> <p>DCEO will also continue to market through its regional staff offices, state of Illinois press office, elected officials to do program announcements in their territories, DCEO energy website, participation in trade shows, webinars, and workshops, and through coordinated efforts with the electric and gas utilities. DCEO has developed an EEPS brand for their program that will provide more visibility and awareness of the programs</p>
<b>Incentive Strategy</b>	<p>Incentives will be based on per kWh and per therm value, subject to certain caps as described below. The incentive amount is subject to modification as needed to balance the program's financial requirements and savings targets.</p> <p>Caps that would reduce the total incentive amount include:</p> <ul style="list-style-type: none"> <li>• The incentive for each measure may not exceed 70% of the incremental cost for retrofits and 100% of the incremental cost for replacement</li> <li>• Total incentives may be reduced if the project's energy savings provide the applicant with simple payback below 1 year</li> <li>• Total incentive may be reduced if it exceeds a maximum per-project incentive cap that DCEO may establish during the final program design process</li> </ul>
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>February 2011:</b> Commission approval</li> <li>• <b>March-May:</b> Final program design and protocol development</li> <li>• <b>June 2011:</b> Public Sector Custom Program Launched for 2011 through 2014</li> </ul>
<b>EM&amp;V Requirements</b>	<p>To minimize program costs, anticipated savings will be estimated and agreed on for all appropriate projects. It is expected that applicants will use info from their energy services contractor or SEDAC evaluation to estimate energy savings. After implementation of the efficiency measures, projects will be subject to post inspection to confirm proper installation and conformance with the measure specification. A statistically selected sample of implemented projects will be evaluated to conform savings persistence. For those measures where reliable estimates of savings can not be made prior to implementation, pre and post monitoring may be used to determine savings.</p> <p>DCEO will continue to coordinate the EM&amp;V process with the other utilities, but intends to issue its own EM&amp;V contracts based on a competitive solicitation issued by the DCEO. DCEO believes this is imperative to meet the requirements of a program that spans the entire state.</p>
<b>Administrative Requirements</b>	<p>Program manager responsibilities include final program design, marketing materials development, program marketing, and outreach, project management and QA/QC activities, tracking/reporting, and overall goal achievement.</p>

**Estimated Participation**

Based on DCEO experience with this program over the last three years, more than adequate demand for the Public Sector Custom Program is expected. Actual participation levels will vary based on the size of the projects funded and the negotiated incentive levels.

**Estimated Budget**

<b>Electric Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$6,720,000	\$6,852,000	\$6,912,000	\$20,484,000
<b>Implementation Costs</b>	\$746,667	\$761,333	\$768,000	\$2,276,000
<b>Total</b>	<b>\$7,466,667</b>	<b>\$7,613,333</b>	<b>\$7,680,000</b>	<b>\$22,760,000</b>
<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$4,905,600	\$5,001,960	\$5,045,760	\$14,953,320
<b>Implementation Costs</b>	\$545,067	\$555,773	\$560,640	\$1,661,480
<b>Total</b>	<b>\$5,450,667</b>	<b>\$5,557,733</b>	<b>\$5,606,400</b>	<b>\$16,614,800</b>
<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$1,814,400	\$1,850,040	\$1,866,240	\$5,530,680
<b>Implementation Costs</b>	\$201,600	\$205,560	\$207,360	\$614,520
<b>Total</b>	<b>\$2,016,000</b>	<b>\$2,055,600</b>	<b>\$2,073,600</b>	<b>\$6,145,200</b>

<b>Gas Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$1,755,000	\$2,679,300	\$3,521,700	\$7,056,000
<b>Implementation Costs</b>	\$195,000	\$296,400	\$391,300	\$882,700
<b>Total</b>	<b>\$1,950,000</b>	<b>\$2,964,000</b>	<b>\$3,913,000</b>	<b>\$8,827,000</b>
<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$538,200	\$549,900	\$549,900	\$1,638,000
<b>Implementation Costs</b>	\$59,800	\$61,100	\$61,100	\$182,000
<b>Total</b>	<b>\$598,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$1,820,000</b>

Estimated Budget  
Cont'd

Savings Targets

Other Program  
Metrics

NICOR				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$854,100	\$1,474,200	\$2,070,900	\$4,399,200
Implementation Costs	\$94,900	\$163,800	\$230,100	\$488,800
<b>Total</b>	<b>\$949,000</b>	<b>\$1,638,000</b>	<b>\$2,301,000</b>	<b>\$4,888,000</b>
People's Gas				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$315,900	\$549,900	\$772,200	\$1,638,000
Implementation Costs	\$35,100	\$59,800	\$85,800	\$180,700
<b>Total</b>	<b>\$351,000</b>	<b>\$598,000</b>	<b>\$858,000</b>	<b>\$1,807,000</b>
North Shore				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$46,800	\$105,300	\$128,700	\$234,000
Implementation Costs	\$5,200	\$11,700	\$14,300	\$31,200
<b>Total</b>	<b>\$52,000</b>	<b>\$117,000</b>	<b>\$143,000</b>	<b>\$312,000</b>
<b>Net Savings (Gas/Electricity)</b>				
Electrical Savings (kWh)	Year 1	Year 2	Year 3	Total
Ameren (27%)	10,886,400	11,100,240	11,197,440	33,184,080
ComEd (73%)	29,433,600	30,011,760	30,274,560	89,719,920
<b>Total Electric Savings</b>	<b>40,320,000</b>	<b>41,112,000</b>	<b>41,472,000</b>	<b>122,904,000</b>
Gas Savings (Therms)	Year 1	Year 2	Year 3	Total
Ameren	257,600	263,200	263,200	784,000
NICOR	408,800	705,600	991,200	2,105,600
People's	151,200	263,200	369,600	784,000
North Shore	22,400	50,400	61,600	134,400
<b>Total Gas Savings</b>	<b>840,000</b>	<b>1,282,400</b>	<b>1,685,000</b>	<b>3,808,000</b>

TRC: 4.02

<b>PROGRAM NAME</b>	<b>Public Sector New Construction (2011 through 2014)</b>	<b>revised June 24, 2011</b>																																																
<b>Objective</b>	Support greater energy efficiency in public buildings through adoption of measures beyond current commercial energy efficiency building code																																																	
<b>Target Market</b>	Local Government, K-12 schools, Community Colleges, Higher Ed, State buildings																																																	
<b>Program Duration</b>	Beginning June 1, 2011 and continuing through rest of three-year EEPS plan period.																																																	
<b>Program Description</b>	<p>The program will provide grants for new and majorly renovated public sector buildings that exceed the current Illinois Energy Conservation Code for Commercial Buildings. The grants are twofold. The building will receive incentives based on electrical and natural gas savings for beyond code design based on projected energy savings. A bonus incentive will be provided to LEED® seeking projects on a square foot basis based on the percentage beyond the code the project achieves (10%, 20%, etc.). However, if certain jurisdictions or building types are under other institutional rules or legal requirements that already involve standards beyond the code, then incentives will only be provided for electricity and natural gas reductions beyond those requirements. For example, under recently enacted legislation and proposed Capital Development Board rules, new K-12 schools must achieve LEED Silver certification, including a 10% energy reduction beyond the commercial code which is a LEED Prerequisite. Therefore, to be eligible for Public Sector New Construction grants, the schools will have to achieve electricity reductions beyond the LEED Silver requirements. Given the current backlog of school projects which applied for funding prior to the new requirements, however, the exact timeframe when schools will be mandated to achieve LEED silver is unknown.</p>																																																	
<b>Eligible Measures</b>	<p>Government, Community College, and Higher Education Buildings</p> <table border="1"> <thead> <tr> <th>Measure</th> <th>kWh/unit</th> <th>kW/unit</th> <th>Therms/unit</th> </tr> </thead> <tbody> <tr> <td>10% beyond code</td> <td>1.40/sq. ft</td> <td>0.0007</td> <td>0.1/sf</td> </tr> <tr> <td>15% beyond code</td> <td>2.10/sq. ft</td> <td>0.0011</td> <td>0.2/sf</td> </tr> <tr> <td>20% beyond code</td> <td>2.80/sq. ft.</td> <td>0.0014</td> <td>0.3/sf</td> </tr> <tr> <td>25% beyond code</td> <td>3.50/sq. ft</td> <td>0.0018</td> <td>0.4/sf</td> </tr> <tr> <td>30% beyond code</td> <td>4.20/sq. ft</td> <td>0.0021</td> <td>0.5/sf</td> </tr> </tbody> </table> <p>K-12 schools</p> <table border="1"> <thead> <tr> <th>Measure</th> <th>kWh/unit</th> <th>kW/unit</th> <th>Therms/unit</th> </tr> </thead> <tbody> <tr> <td>10% beyond code</td> <td>0.85/sq. ft</td> <td>0.0004</td> <td>0.05/sf</td> </tr> <tr> <td>15% beyond code</td> <td>1.13/sq. ft</td> <td>0.0006</td> <td>0.1/sf</td> </tr> <tr> <td>20% beyond code</td> <td>1.69/sq. ft.</td> <td>0.0008</td> <td>0.15/sf</td> </tr> <tr> <td>25% beyond code</td> <td>1.97/sq. ft.</td> <td>0.0010</td> <td>0.2/sf</td> </tr> <tr> <td>30% beyond code</td> <td>2.54/sq. ft.</td> <td>0.0013</td> <td>0.25/sf</td> </tr> </tbody> </table> <p>The savings above are based on information from: Don Fournier, Smart Energy Design Assistance Center; GSA <i>LEED Cost Study</i>, prepared by Steven Winter Associates, Inc., for US General Services Administration, Oct. 2004; and USGBC, <i>Study of LEED Schools</i>.</p>		Measure	kWh/unit	kW/unit	Therms/unit	10% beyond code	1.40/sq. ft	0.0007	0.1/sf	15% beyond code	2.10/sq. ft	0.0011	0.2/sf	20% beyond code	2.80/sq. ft.	0.0014	0.3/sf	25% beyond code	3.50/sq. ft	0.0018	0.4/sf	30% beyond code	4.20/sq. ft	0.0021	0.5/sf	Measure	kWh/unit	kW/unit	Therms/unit	10% beyond code	0.85/sq. ft	0.0004	0.05/sf	15% beyond code	1.13/sq. ft	0.0006	0.1/sf	20% beyond code	1.69/sq. ft.	0.0008	0.15/sf	25% beyond code	1.97/sq. ft.	0.0010	0.2/sf	30% beyond code	2.54/sq. ft.	0.0013	0.25/sf
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**Implementation Strategy**

DCEO will work closely with K-12, higher education, and local government associations to seek participants in the Public Sector New Construction Program. K-12 associations include: Illinois State Board of Education, Illinois Association of School Boards, Illinois Principals Association, Illinois Association of School and Business Officials, and Illinois Association of School Administrators. Higher education associations include: Illinois Community College Board, Illinois Institute of Colleges and Universities, and Illinois Board of Higher Education among others. Local government associations include: Illinois Municipal League, Illinois Association of County Board Members and Commissioners, Township Officials of Illinois, and the Metro-Mayors Caucus. DCEO will also work with the Capital Development Board to identify state building projects that could participate in the Program.

**Marketing Strategy**

The program will be marketed through the statewide K-12, higher education, and local government associations as well as the building industry (ASHRAE, ISPE, AIA, APEC, energy service companies, and vendors, etc.). Meetings and workshops will be held to inform potential applicants and other interested parties involved in building construction.

**Incentive Strategy**

Measure	Unit	Incentive
Natural Gas Savings	Therms	\$0.80
Electrical Savings	kWh	\$0.08

  

Measure	Incentive per sq. ft.
10% beyond code	\$0.25
15% beyond code	\$0.50
20% beyond code	\$0.75
25% beyond code	\$1.00
30% beyond code	\$1.25

The energy incentives will be set at a level that reflects the avoided cost of that energy on an annual basis. The LEED® seeking bonus incentives will be set at increasing levels based on how far beyond the Illinois Energy Conservation Code for Commercial Buildings that the building will be constructed. This is to encourage participants to design the buildings to achieve the greatest level of energy efficiency. DCEO reserves the right to negotiate different incentive levels if the institution is under rules that already require achieving beyond the code.

DCEO also reserves the right to modify the incentive levels as needed in accordance with current market development, technology development, EM&V results and program implementation experience.

<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>February 2011:</b> Commission approval</li> <li>• <b>March-May:</b> Final program design and protocol development</li> <li>• <b>June 2011:</b> Public Sector New Construction Program launch</li> </ul>																								
<b>EM&amp;V Requirements</b>	<p>Grant recipients will be required to use LEED Scoresheets as well as Comcheck or ASHRAE Energy Performance sheets to verify the extent beyond code and estimated electricity and natural gas reductions.</p> <p>DCEO supports the proposed collaborative process to review the evaluation, measurement, and verification process and other aspects of the EEPS programs. Additional EM&amp;V requirements will be added to the Program if recommended through the collaborative process or by the EM&amp;V contractor.</p>																								
<b>Administrative Requirements</b>	<p>Program guidelines will be developed, based in part the previous New Construction Program administered by DCEO last fiscal year.</p>																								
<b>Estimated Participation</b>	<table border="1" data-bbox="488 804 1300 1066"> <thead> <tr> <th>Measure</th> <th>2011 sq. ft.</th> <th>2012 sq. ft.</th> <th>2013 sq. ft.</th> </tr> </thead> <tbody> <tr> <td>10% beyond code</td> <td>100,000</td> <td>200,000</td> <td>250,000</td> </tr> <tr> <td>15% beyond code</td> <td>100,000</td> <td>200,000</td> <td>300,000</td> </tr> <tr> <td>20% beyond code</td> <td>100,000</td> <td>400,000</td> <td>300,000</td> </tr> <tr> <td>25% beyond code</td> <td>200,000</td> <td>500,000</td> <td>500,000</td> </tr> <tr> <td>30% beyond code</td> <td>100,000</td> <td>200,000</td> <td>300,000</td> </tr> </tbody> </table> <p>These are estimates of program participation based on professional judgment and past program experience. Actual participation and mix of buildings achieving various levels beyond the Commercial Energy Code may vary. The current economic climate in the public sector has reduced the amount of new construction and major renovations.</p>	Measure	2011 sq. ft.	2012 sq. ft.	2013 sq. ft.	10% beyond code	100,000	200,000	250,000	15% beyond code	100,000	200,000	300,000	20% beyond code	100,000	400,000	300,000	25% beyond code	200,000	500,000	500,000	30% beyond code	100,000	200,000	300,000
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**Estimated Budget**

<b>Electric Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$1,299,012	\$1,299,012	\$1,299,012	\$3,897,036
<b>Implementation Costs</b>	\$144,335	\$144,335	\$144,335	\$433,005
<b>Total</b>	<b>\$1,443,347</b>	<b>\$1,443,347</b>	<b>\$1,443,347</b>	<b>\$4,330,041</b>
<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$948,279	\$948,279	\$948,279	\$2,844,837
<b>Implementation Costs</b>	\$105,365	\$105,365	\$105,365	\$316,094
<b>Total</b>	<b>\$1,053,643</b>	<b>\$1,053,643</b>	<b>\$1,053,643</b>	<b>\$3,160,930</b>
<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$350,733	\$350,733	\$350,733	\$1,052,199
<b>Implementation Costs</b>	\$38,970	\$38,970	\$38,970	\$116,911
<b>Total</b>	<b>\$389,704</b>	<b>\$389,704</b>	<b>\$389,704</b>	<b>\$1,169,111</b>

<b>Gas Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$522,000	\$792,000	\$1,044,000	\$2,358,000
<b>Implementation Costs</b>	\$58,000	\$88,000	\$116,000	\$262,000
<b>Total</b>	<b>\$580,000</b>	<b>\$880,000</b>	<b>\$1,160,000</b>	<b>\$2,620,000</b>
<b>Ameren (20.8%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$162,000	\$162,000	\$162,000	\$486,000
<b>Implementation Costs</b>	\$18,000	\$18,000	\$18,000	\$54,000
<b>Total</b>	<b>\$180,000</b>	<b>\$180,000</b>	<b>\$180,000</b>	<b>\$540,000</b>
<b>NICOR (55.2%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$252,000	\$432,000	\$612,000	\$1,296,000
<b>Implementation Costs</b>	\$28,000	\$48,000	\$68,000	\$144,000
<b>Total</b>	<b>\$280,000</b>	<b>\$480,000</b>	<b>\$680,000</b>	<b>\$1,440,000</b>

**Estimated Budget  
Cont'd**

<b>People's Gas (20.5%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$99,000	\$162,000	\$235,000	\$496,000
<b>Implementation Costs</b>	\$11,000	\$18,000	\$25,000	\$54,000
<b>Total</b>	\$110,000	\$180,000	\$250,000	\$540,000
<b>North Shore (3.5%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$18,000	\$27,000	\$36,000	\$81,000
<b>Implementation Costs</b>	\$2,000	\$3,000	\$4,000	\$9,000
<b>Total</b>	\$20,000	\$30,000	\$40,000	\$90,000

**Savings Targets**

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren Territory (27%)</b>	1,500,833	1,500,833	1,500,833	4,502,499
<b>ComEd Territory (73%)</b>	4,057,807	4,057,807	4,057,807	12,173,421
<b>Total Electric Savings</b>	<b>5,558,640</b>	<b>5,558,640</b>	<b>5,558,640</b>	<b>16,675,920</b>
<b>Gas Savings (Therms)</b>				
<b>Gas Savings (Therms)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren Territory (20.8%)</b>	111,119	113,314	115,155	339,588
<b>NICOR Territory (55.2%)</b>	176,032	300,871	424,446	901,349
<b>People's Territory (20.5%)</b>	65,856	112,235	157,369	335,460
<b>North Shore Territory (3.5%)</b>	10,715	19,847	25,905	56,467
<b>Total Gas Savings</b>	<b>363,722</b>	<b>546,267</b>	<b>722,876</b>	<b>1,632,864</b>

It is assumed that the electricity and natural gas savings will occur in the year following the year in which the projects are funded to account for the time it takes developers to complete construction.

**Other Program  
Metrics**

Number of government and school buildings assisted.  
TRC: 4.30

<b>PROGRAM NAME</b>	<b>Public Sector Retro-Commissioning Program (2011 through 2014)</b>	<b>revised June 24, 2011</b>
<b>Objective</b>	Identify and implement low cost tune-ups and adjustments that improve the efficiency of existing public buildings' operating systems by returning them to intended operation or design specifications, with a focus on building controls and HVAC systems.	
<b>Target Market</b>	The program will be targeted to Public Sector customers, including local government buildings, K-12 schools, community colleges, institutions of higher education, and State buildings. All targeted customers taking electrical delivery service from ComEd or Ameren and natural delivery service from Peoples, North Shore, NICOR, or Ameren are eligible for this program regardless of their choice of supplier.	
<b>Program Duration</b>	Starts June 1, 2011 and continues through the rest of the three-year EEPS plan period.	
<b>Program Description</b>	<p>Retro-commissioning (RCx) services will be delivered through a network of commissioning providers operating in the program utilities' service territories that have been trained in program protocols and participation processes. For smaller facilities, commissioning providers will conduct a targeted assessment of areas with substantial energy savings opportunities such as controls upgrades and HVAC system improvements. Larger facilities will be eligible to receive a more comprehensive assessment of building systems and controls. To motivate participation, but also ensure that customers are invested in the process, DCEO, through SEDAC, will provide for the cost of the RCx study. The customers are required to commit to financing and implementing at least \$10,000 worth of the RCx study recommendations.</p> <p>The RCx Program will include a strong customer education component to promote the value of RCx services, targeting senior management decision-makers as well as facility operations/maintenance staff. Such education will be provided through program marketing activities, and also be supported through DCEO's market transformation efforts such as Building Operator Certification (BOC) training. Educational program components will promote participation by emphasizing the value of the RCx process, and also help to ensure savings persistence by promoting improved operations and maintenance practices.</p>	
<b>Eligible Measures</b>	RCx measures used for program planning purposes include chilled and hot water loop temperature and valve controls, economizer control adjustments and tuning, demand control ventilation, HVAC temperature and scheduling control adjustments, lighting control adjustments, time clock controls for package systems, and calibration and other system adjustments. DCEO reserves the right to revise eligible measures as needed in accordance with current market conditions, technology development, EM&V results, and program implementation experience.	
<b>Implementation Strategy</b>	<p>The program will be administered by DCEO and implemented through Smart Energy Design Assistance Center (SEDAC). SEDAC will provide these services with its in-house staff and with contractors selected through an RFP process. Key elements of the RCx Program implementation strategy include:</p> <ul style="list-style-type: none"> <li>• <b>Commissioning Contractor recruitment and training:</b> Commissioning providers will be the Program's main delivery mechanism as they promote RCx services and available incentives to their customers. Commissioning providers will be recruited to participate in training sessions to inform them about program incentives, participation processes, RCx protocols, and requirements. Commissioning providers will receive regular communications about program activities and changes to ensure they are informed and engaged participants.</li> <li>• <b>Public sector participant recruitment:</b> Participants will be recruited by Program staff as well as commissioning providers.</li> <li>• <b>RCx study:</b> During the study phase, the commissioning provider will conduct a facility assessment to diagnose problems and make recommendations for minor low-cost adjustments that can be made immediately, as well as recommendations for more substantial improvement opportunities, including an assessment of cost, savings, and payback. Where applicable, the RCx Planning Report may include an assessment of energy savings opportunities eligible for incentives through DCEO's program offerings, and in all such cases the incentive levels established by those programs will be used.</li> </ul>	

<b>Implementation Strategy</b>	<ul style="list-style-type: none"> <li>• <b>Program Agreement:</b> The Program Agreement includes several components that define the roles and responsibilities of each party, the project goals, and customer information release language. The primary goal is to require the customer to commit to spending at least \$10,000 for agreed-upon retro-commissioning measures that result in a bundled estimated simple payback of 1.5 years or less. These measures must be installed within the fiscal year the project is started. For projects that are not completed within one calendar year, the customer will be expected to refund the cost of the retro-commissioning study. Additionally, the agreement acts as a decision point where the customer selects measures from the Planning report that they wish to pursue for further investigation in the next phase.</li> <li>• <b>Project implementation:</b> The Implementation Phase builds upon the Planning Phase, typically including activities such as conducting detailed site assessments, diagnostic testing, and trending analyses to evaluate current facility operating procedures and equipment functionality. In this phase, the commissioning agent works hand-in-hand with the customer's implementation team to fully investigate, implement, and verify (where possible) the recommended measures. The implementation team typically includes the facility engineers and the mechanical, electrical, and controls contractors.</li> <li>• <b>Project verification:</b> During the Verification Phase, the retro-commissioning service provider evaluates facility trending data (from the building EMS, facility sub-meters, or utility meter) and revisits the site to verify that measures have been properly completed (e.g. new control strategies are functioning properly, repairs have been made, etc). The commissioning agent prepares and submits the Verification Report that summarizes the final findings and impacts from the project.</li> </ul>
<b>Marketing Strategy</b>	<p>The program will work through appropriate local and regional associations to advertise the availability of the program. Direct mailings, presentations at local events and meetings and newsletter articles will be used. The Program will contact RCx contractors to arrange individual meet-and-train sessions wherein program guidelines and incentive structures will be addressed. The contractors will incorporate the program information in sales presentations to prospective clients in much the same way that the Prescriptive and Custom Incentive programs are marketed. Utilities will also let their public sector customers know that this program is available.</p>
<b>Incentive Strategy</b>	<p>DCEO will provide for the cost of the RCx assessment or study, up to a per-project cap of \$78,000. The client will be required to commit to a minimum of \$10,000 for implementation. Implementation incentives will be offered through the DCEO's Public Sector Custom Incentive Program on a \$/kWh and a \$/therm basis covering up to 50% of the incremental cost of implementing recommended energy efficiency measures.</p> <p>As the RCx Program evolves beyond the initial ramp-up period and ongoing EM&amp;V activities track program performance, DCEO may adjust incentive levels. DCEO also reserves the right to modify the incentive levels as needed in accordance with current market development, technology development, EM&amp;V results and program implementation experience.</p>
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>February 2011:</b> Commission approval</li> <li>• <b>March-May 2011:</b> Final program design and protocol development</li> <li>• <b>June 2011:</b> Integrated Retro-Commissioning Program launch</li> </ul>
<b>EM&amp;V Requirements</b>	<p>To minimize program costs, retro-commissioning clients will be screened to ensure savings potential exists. After the planning stage or the process, anticipated energy savings will be estimated and agreed on for all projects through a rigorous QA/QC process prior to the offering of additional program incentives. After implementation of the efficiency measures, projects will be validated by the commissioning agent to confirm proper installation and conformance with the measure agreement. A statistically significant number of implemented projects will be evaluated to confirm savings persistence. For those measures where reliable estimates of savings can not be made prior to implementation, pre and post monitoring and analyses may be used to determine savings.</p>

<b>EM&amp;V Requirements Con't</b>	DCEO supports the proposed collaborative process to review the evaluation, measurement, and verification process and other aspects of the EEPS programs. Additional EM&V requirements will be added to the Program if recommended through the collaborative process or by the EM&V contractor.								
<b>Administrative Requirements</b>	Program manager responsibilities will include final program design and RCx protocol development, marketing materials development, program marketing and outreach activities, management and oversight of the commissioning provider network, QA/QC activities, tracking and reporting, and program goal achievement. DCEO intends to administer the program, but it will be implemented through the SEDAC.								
<b>Estimated Participation</b>	<p>The following participation estimates have been used for planning purposes, however, actual participation levels may vary.</p> <table border="1" data-bbox="440 590 1203 703"> <thead> <tr> <th data-bbox="440 590 659 663"><b>Measure</b></th> <th data-bbox="659 590 846 663"><b>PY 4 Participation</b></th> <th data-bbox="846 590 1040 663"><b>PY 5 Participation</b></th> <th data-bbox="1040 590 1203 663"><b>PY 6 Participation</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="440 663 659 703"><b>Projects</b></td> <td data-bbox="659 663 846 703"><b>24</b></td> <td data-bbox="846 663 1040 703"><b>26</b></td> <td data-bbox="1040 663 1203 703"><b>28</b></td> </tr> </tbody> </table>	<b>Measure</b>	<b>PY 4 Participation</b>	<b>PY 5 Participation</b>	<b>PY 6 Participation</b>	<b>Projects</b>	<b>24</b>	<b>26</b>	<b>28</b>
<b>Measure</b>	<b>PY 4 Participation</b>	<b>PY 5 Participation</b>	<b>PY 6 Participation</b>						
<b>Projects</b>	<b>24</b>	<b>26</b>	<b>28</b>						

**Estimated Budget**

<b>Electric Budget Total Program</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$1,613,682	\$1,613,682	\$1,613,682	\$4,841,046
Implementation Costs	\$179,298	\$179,298	\$179,298	\$537,894
<b>Total</b>	<b>\$1,792,979</b>	<b>\$1,792,979</b>	<b>\$1,792,979</b>	<b>\$5,378,937</b>
<b>ComEd (73%)</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$1,177,988	\$1,177,988	\$1,177,988	\$3,533,964
Implementation Costs	\$130,888	\$130,888	\$130,888	\$392,663
<b>Total</b>	<b>\$1,308,875</b>	<b>\$1,308,875</b>	<b>\$1,308,875</b>	<b>\$3,926,624</b>
<b>Ameren (27%)</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$435,694	\$435,694	\$435,694	\$1,307,082
Implementation Costs	\$48,410	\$48,410	\$48,410	\$145,231
<b>Total</b>	<b>\$484,104</b>	<b>\$484,104</b>	<b>\$484,104</b>	<b>\$1,452,313</b>

<b>Gas Budget Total Program</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$315,000	\$472,500	\$625,500	\$1,413,000
Implementation Costs	\$35,000	\$52,500	\$69,500	\$157,000
<b>Total</b>	<b>\$350,000</b>	<b>\$525,000</b>	<b>\$695,000</b>	<b>\$1,570,000</b>
<b>Ameren</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$96,300	\$98,100	\$99,900	\$297,000
Implementation Costs	\$10,700	\$10,900	\$11,100	\$32,700
<b>Total</b>	<b>\$107,000</b>	<b>\$109,000</b>	<b>\$111,000</b>	<b>\$327,000</b>
<b>NICOR</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$152,100	\$260,100	\$367,200	\$780,300
Implementation Costs	\$16,900	\$28,900	\$40,800	\$86,700
<b>Total</b>	<b>\$169,000</b>	<b>\$289,000</b>	<b>\$408,000</b>	<b>\$867,000</b>
<b>People's Gas</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$56,700	\$97,200	\$135,900	\$290,700
Implementation Costs	\$6,300	\$10,800	\$15,100	\$32,300
<b>Total</b>	<b>\$63,000</b>	<b>\$108,000</b>	<b>\$151,000</b>	<b>\$323,000</b>

North Shore				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$9,000	\$17,100	\$22,500	\$48,600
Implementation Costs	\$1,000	\$1,900	\$2,500	\$5,400
<b>Total</b>	<b>\$10,000</b>	<b>\$19,000</b>	<b>\$25,000</b>	<b>\$54,000</b>

**Savings Targets**

Net Savings (Gas/Electricity)				
Electric Savings (kWh)	Year 1	Year 2	Year 3	Total
AMEREN (27%)	3,678,966	3,678,966	3,678,966	11,036,897
ComED (73%)	9,946,833	9,946,833	9,946,833	29,840,500
<b>Total Electric Savings</b>	<b>13,625,799</b>	<b>13,625,799</b>	<b>13,625,799</b>	<b>40,877,397</b>
Gas Savings (therms)				
Ameren	125,574	128,054	130,134	383,763
NICOR	198,930	245,254	281,569	725,754
Peoples	74,422	91,488	104,396	270,306
North Shore	12,109	16,178	17,185	45,472
<b>Total Gas Savings</b>	<b>411,036</b>	<b>480,975</b>	<b>533,285</b>	<b>1,425,295</b>

**Other Program Metrics**

The principal program metrics are the annual electrical and natural gas energy savings targets, and delivery at or below budgeted cost. Secondary metrics include RCx studies conducted and total number of projects proceeding with implementation of RCx recommendations.

TRC: 1.6

<b>PROGRAM NAME</b>	<b>Lights for Learning™ (2011 through 2014)</b>	<b>revised June 24, 2011</b>																								
<b>Objective</b>	<p>Achieve electricity savings by promoting use of ENERGY STAR® qualified CFLs and other energy-efficient measures</p> <p>Help develop market for specialty market CFLs and LED products</p> <p>Provide fundraising opportunity for schools</p> <p>Provide public education on energy savings, environmental and economic benefits of CFLs and other energy-efficient products, as well as education on behavioral changes which deliver energy savings</p>																									
<b>Target Market</b>	K-12 schools																									
<b>Program Duration</b>	Ongoing; offered each school year since 2003-04 school year and throughout three-year EEPS plan.																									
<b>Program Description</b>	<p>The Lights for Learning™ Program is an educational, fundraising opportunity for K-12 schools and related organizations, promoting the sale of ENERGY STAR® qualified CFLs and other energy-efficient products as a school fundraising program and introducing students, teachers, and their communities to CFLs and specialty lighting applications. The program helps increase awareness of the energy-efficient products available to consumers, using students as a means of educating to their families and local community. Participating schools/organizations receive 60% profit of sales and free educational assemblies/classroom presentations to demonstrate to students, parents and the educational community the environmental and economic benefits, and energy efficiency of energy-smart products and behaviors.</p>																									
<b>Eligible Measures</b>	<table border="1"> <thead> <tr> <th><b>Electricity Measure</b></th> <th><b>kWh/unit</b></th> <th><b>kW/unit</b></th> </tr> </thead> <tbody> <tr> <td><b>CFL 13w</b></td> <td><b>47</b></td> <td><b>0.01</b></td> </tr> <tr> <td><b>CFL 20w</b></td> <td><b>55</b></td> <td><b>0.01</b></td> </tr> <tr> <td><b>CFL 23w</b></td> <td><b>77</b></td> <td><b>0.01</b></td> </tr> <tr> <td><b>CFL 33w 3-way</b></td> <td><b>117</b></td> <td><b>0.02</b></td> </tr> <tr> <td><b>CFL 14w Reflector</b></td> <td><b>45</b></td> <td><b>0.01</b></td> </tr> <tr> <td><b>LED Night Light</b></td> <td><b>3.2</b></td> <td><b>0.01</b></td> </tr> <tr> <td><b>LED Holiday Strand</b></td> <td><b>89.6</b></td> <td><b>0.02</b></td> </tr> </tbody> </table> <p>Electrical savings calculations are for products sold during the 2009-2010 school year based on Lights for Learning partner, Midwest Energy Efficiency Alliance, and 2.34 hours use per day (for CFLs).</p> <p>The Department of Commerce and Economic Opportunity reserves the right to revise eligible measures as needed in accordance with current market conditions, technology development, EM&amp;V results, and program implementation experience.</p>		<b>Electricity Measure</b>	<b>kWh/unit</b>	<b>kW/unit</b>	<b>CFL 13w</b>	<b>47</b>	<b>0.01</b>	<b>CFL 20w</b>	<b>55</b>	<b>0.01</b>	<b>CFL 23w</b>	<b>77</b>	<b>0.01</b>	<b>CFL 33w 3-way</b>	<b>117</b>	<b>0.02</b>	<b>CFL 14w Reflector</b>	<b>45</b>	<b>0.01</b>	<b>LED Night Light</b>	<b>3.2</b>	<b>0.01</b>	<b>LED Holiday Strand</b>	<b>89.6</b>	<b>0.02</b>
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<b>Implementation Strategy</b>	<p>The Midwest Energy Efficiency Alliance (MEEA) has administered the program for DCEO the past five years. During the latest school year, 28,051 energy-efficient products were sold by participating students with aggregated program funding of \$525,000. DCEO has elected to provide full program funding rather than soliciting sponsorship funding from Illinois utilities, while maintaining the same overall program budget as in previous years. K-12 schools will continue to be the target audience through recruitment efforts listed below in Marketing Strategy.</p> <p>MEEA negotiated the best price through Energy Federated Inc. for a variety of CFLs, including specialty lamps, allowing schools to sell at a competitive price and receive 60% profit. Applied Proactive Technologies, Inc. (APT) partners with MEEA to provide program implementation. Recruited school groups host an optional kick-off presentation or assembly tailored to meet the needs of each group. The assemblies include activities such as hands-on lighting demonstrations, energy bike display, Q&amp;A sessions, and home energy audit information. APT and MEEA work in concert to supply marketing material, follow up, sales support, and final program award presentations. Individual sales incentives, such as program t-shirts and participation certificates, are provided. In the implementation period the program will look toward expanding the focus on energy efficiency within classrooms and schools, as well as expanded collaboration with related organizations such as park districts and local libraries.</p>
<b>Marketing Strategy</b>	<p>Marketing strategies include blast faxes and emails to DCEO Illinois Sustainable Energy Project (ISTEP) contacts, IL State Board of Education and various environmental list serves, web announcements, phone calls to past participants and distribution of marketing materials such as order forms, posters, and/or tip cards at appropriate events and workshops.</p>
<b>Incentive Strategy</b>	<p>The incentives range from \$1.40 applied to traditional CFLs to \$10.00 for specialty products such as pin-based CFL desk lamps. Incentives on particular wattages of CFLs will be phased out as mandated lighting efficacies under EISA take effect. Participating groups will also keep 60% profit as part of their fundraising efforts. Homes installing CFLs will benefit by reduced electricity energy use and energy costs. The families of participating students will be asked to sign onto the <i>Change the World, Start with ENERGY STAR</i> pledge.</p>
<b>Milestones</b>	<p>Number of schools recruited, bulbs sold, and energy saved compared to school year 2009-2010: 112 schools fundraising, 28,051 products sold, school proceeds of \$57,574.10.</p>
<b>EM&amp;V Requirements</b>	<p>DCEO supports the proposed collaborative process to review the evaluation, measurement, and verification process and other aspects of the EEPS programs. Additional EM&amp;V requirements will be added to the Program if recommended through the collaborative process or by the EM&amp;V contractor.</p>
<b>Administrative Requirements</b>	<p>Administrative requirements were based on existing structure where DCEO provides a grant to a non-profit organization.</p>

**Estimated Participation**

<b>Measure</b>	<b>2011 Installations</b>	<b>2012 Installations</b>	<b>2013 Installations</b>
<b>CFL 13w</b>	6175	7410	8892
<b>CFL 20w</b>	2550	1275	0
<b>CFL 23w</b>	2750	3300	3960
<b>CFL 33w 3-way</b>	1050	1260	1512
<b>CFL 14w Reflector</b>	1700	2040	2448
<b>LED Night Light</b>	3175	3810	4572
<b>LED Holiday Strand</b>	1500	1800	2160
<b>TOTAL</b>	18900	20895	23544

Projected participation levels are based on the past four years of program participation (CFLs sold) relative to the increased amount invested in the program. The actual number of products available for sale may vary depending on the price negotiated with the vendor.

**Estimated Budget**

<b>Estimated Total Budget</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$489,112</b>	<b>\$489,112</b>	<b>\$489,112</b>	<b>\$1,467,336</b>
<b>Implementation Costs</b>	<b>\$40,000</b>	<b>\$40,000</b>	<b>\$40,000</b>	<b>\$120,000</b>
<b>Total</b>	<b>529,112</b>	<b>529,112</b>	<b>529,112</b>	<b>\$1,587,336</b>

<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$357,052</b>	<b>\$357,052</b>	<b>\$357,052</b>	<b>\$1,071,155</b>
<b>Implementation Costs</b>	<b>\$29,200</b>	<b>\$29,200</b>	<b>\$29,200</b>	<b>\$87,600</b>
<b>Total</b>	<b>\$386,252</b>	<b>\$386,252</b>	<b>\$386,252</b>	<b>\$1,158,755</b>

<b>Estimated Budget Cont'd</b>	<b>Ameren (27%)</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	<b>Incentive Costs</b>	\$132,060	\$132,060	\$132,060	\$396,181
	<b>Implementation Costs</b>	\$10,800	\$10,800	\$10,800	\$32,400
	<b>Total</b>	\$142,860	\$142,860	\$142,860	\$428,581
<b>Estimated Savings</b>	<b>Estimated Savings)</b>				
	<b>Electric (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	<b>Ameren (27%)</b>	304,568	304,568	304,568	913,703
	<b>ComEd (73%)</b>	823,461	823,461	823,461	2,470,384
	<b>Total</b>	1,128,029	1,128,029	1,128,029	3,384,087
	Electric savings are based on #CFLs sold times an average of 78 kWh/CFL.				
<b>Other Program Metrics</b>	Number of schools participating, number of school assembly presentations. TRC: 1.0				

<b>PROGRAM NAME</b>	<b>Municipal Energy Efficiency Aggregation Program (2011 through 2014) rev June 24, 2011</b>
<b>Objective</b>	The Municipal Energy Efficiency Aggregation Program will allow eligible applicants to combine projects in an effort to simplify the overall application process, quickly deliver energy efficiency savings, and capture projects that are not worthwhile for submittal as a standalone. Moreover, the program seeks to engage multiple projects within a local government (public works, police, fire, library, school, parks) and, in the case of non-profit grantees, multiple projects across municipal boundaries. In addition, the program will serve as a new delivery channel to hard-to-reach customers.
<b>Target Market</b>	Units of local government and non-profit entities including, but not limited to, regional planning organizations, cooperative groups, and other organizations with direct relationships with municipalities.
<b>Program Duration</b>	Beginning June 1, 2011 and continuing for three years.
<b>Program Description</b>	The Municipal Energy Efficiency Aggregation Program will provide grant awards to units of local government and non-profit entities to compile eligible energy efficiency projects, submit those projects to DCEO for approval, and manage project implementation.
<b>Eligible Measures</b>	The program will utilize other Public Sector Energy Efficiency Portfolio Standard programs for measure determination and be dependent upon the eligibility of the aggregated projects.
<b>Implementation Strategy</b>	The program will be administered by DCEO and, if necessary, an implementation contractor. The implementation strategy will focus on providing training and technical assistance to program grantees in order to effectively develop aggregated project applications.
<b>Marketing Strategy</b>	The program will be marketed to units of local government through email blasts, presentations, workshops and phone calls to units of local governments, local government associations and members of the building industry. Program information and application materials also will be available through DCEO's website. Moreover, program specific workshops and webinars will be held to inform potential applicants and generate program interest.
<b>Incentive Strategy</b>	The Municipal Energy Efficiency Aggregation Program will provide eligible entities with grant awards of up to \$500,000.00 through a competitive process. Program grantees will be allowed up to 5.0 percent administrative costs for project management and implementation activities. The remainder of grant awards will be drawn down on a reimbursement basis as eligible projects are submitted to DCEO for approval, projects are completed, and payment requests are processed.
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• January 2011: Commission Approval</li> <li>• January – May 2011: Refine program design, develop program guidelines and forms, develop marketing materials, establish workshop and webinar schedule</li> <li>• June 2011: Program Launch</li> </ul>
<b>EM&amp;V Requirements</b>	The Municipal Energy Efficiency Aggregation program will leverage the EM&V plans of other portfolio programs to maintain consistency in approach. Deemed savings values will be used for most measures. After implementation of the energy efficiency measures, projects will be subject to post inspection to confirm proper installation and conformance with the measure specification. A statistically-selected number of implemented projects will be evaluated to confirm savings.
<b>Administrative Requirements</b>	DCEO will process and award grants using existing procedures and review and approve those projects submitted throughout the grant period. In addition, for established programs, existing administrative requirements will be followed. Program manager responsibilities include final program design, selection of an implementation contractor, marketing materials development, program marketing and outreach activities, project management and QA/QC activities, tracking and reporting, and program goal achievement.

**Estimated Participation**

Approximately 10 grantees are estimated in the first, pilot year of the program.

**Estimated Budget**

<b>Electric Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$2,439,843	\$2,439,843	\$2,439,843	\$7,319,529
<b>Implementation Costs</b>	\$374,418	\$374,418	\$374,418	\$1,123,254
<b>Total</b>	<b>\$2,814,261</b>	<b>\$2,814,261</b>	<b>\$2,814,261</b>	<b>\$8,442,783</b>
<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$1,781,085	\$1,781,085	\$1,781,085	\$5,343,256
<b>Implementation Costs</b>	\$273,325	\$273,325	\$273,325	\$819,975
<b>Total</b>	<b>\$2,054,411</b>	<b>\$2,054,411</b>	<b>\$2,054,411</b>	<b>\$6,163,232</b>
<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$658,758	\$658,758	\$658,758	\$1,976,273
<b>Implementation Costs</b>	\$101,093	\$101,093	\$101,093	\$303,279
<b>Total</b>	<b>\$759,850</b>	<b>\$759,850</b>	<b>\$759,850</b>	<b>\$2,279,551</b>

<b>Gas Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$156,250	\$252,450	\$336,700	\$745,400
<b>Implementation Costs</b>	\$17,310	\$28,047	\$37,409	\$82,766
<b>Total</b>	<b>\$173,610</b>	<b>\$280,497</b>	<b>\$374,109</b>	<b>\$828,216</b>

<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$46,950	\$46,950	\$46,950	\$140,850
<b>Implementation Costs</b>	\$5,216	\$5,216	\$5,216	\$15,64
<b>Total</b>	<b>\$52,166</b>	<b>\$52,166</b>	<b>\$52,166</b>	<b>\$156,498</b>
<b>NICOR</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$78,850	\$137,600	\$196,350	\$412,800
<b>Implementation Costs</b>	\$8,761	\$15,288	\$21,816	\$45,866
<b>Total</b>	<b>\$87,611</b>	<b>\$152,888</b>	<b>\$218,166</b>	<b>\$458,665</b>

**Estimated Budget  
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<b>People's Gas</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$26,850	\$58,750	\$78,850	\$164,450
Implementation Costs	\$2,933	\$6,527	\$8,761	\$18,272
<b>Total</b>	<b>\$29,833</b>	<b>\$65,277</b>	<b>\$87,611</b>	<b>\$182,721</b>
<b>North Shore</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$3,600	\$9,150	\$14,550	\$27,300
Implementation Costs	\$400	\$1,016	\$1,616	\$3,032
<b>Total</b>	<b>\$4,000</b>	<b>\$10,166</b>	<b>\$16,166</b>	<b>\$30,332</b>

**Savings Targets**

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren (27%)	3,930,622	3,930,622	3,930,622	11,791,865
ComEd (73%)	10,627,236	10,627,236	10,627,236	31,881,709
<b>Total Electric Savings</b>	<b>14,557,858</b>	<b>14,557,858</b>	<b>14,557,858</b>	<b>43,673,574</b>
<b>Gas Savings (Therms)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren	24,711	24,711	24,711	74,133
NICOR	44,471	78,828	113,186	236,485
People's	14,598	34,358	44,471	93,427
North Shore	1,634	4,648	7,100	13,382
<b>Total Gas Savings</b>	<b>85,414</b>	<b>142,545</b>	<b>189,468</b>	<b>417,427</b>

**Other Program  
Metrics**

TRC: 1.9

<b>PROGRAM NAME</b>	<b>Breakthrough Technologies (2011 through 2014)</b>	<b>revised June 24, 2011</b>
<b>Objective</b>	Assess the appropriateness of emerging electric and gas technologies and products for inclusion in future programs. This includes determining whether new products or devices are reliable, serviceable, and provide cost effective energy savings.	
<b>Target Market</b>	Units of Local Government, Municipal Corporations, K-12 Schools, Community Colleges, State and Federal Facilities, and State Universities willing to invest in these breakthrough technologies and products. The products included in this program must be beyond the R&D stage of development, be in preproduction, limited production, or attempting to enter new markets / applications.	
<b>Program Duration</b>	This program is planned to be implemented in all three years of the next phase of the EEPS program	
<b>Program Description</b>	<p>It is anticipated that new advanced energy efficiency electric and gas technologies and products will be introduced into the marketplace. In order to allow these products to take advantage of the EEPS program and to avoid adding them to the prescriptive program measure list to early in their life cycle, this program provides market support.</p> <p>Before incorporating new or unfamiliar products into this program, DCEO will perform a thorough review to ensure that such products will provide effective energy savings, Part of the review process will include:</p> <ul style="list-style-type: none"> <li>• Coordination with the electric and gas utilities in the EEPS program</li> <li>• Use of outside support to evaluate the new technologies / products as appropriate (ERC/ GRI/ SEDAC/ IIT/ Argonne Labs and others as appropriate.</li> <li>• Input from the SAG Technical Committee</li> </ul> <p>Final decision on which new products and technologies will be accepted into the program and how the incentive levels will be handled will be the responsibility of the DCEO program manager.</p>	
<b>Eligible Measures</b>	In the last two years of the DCEO program, special outdoor lighting technologies and systems were tested under the Breakthrough Program. It is anticipated that additional outdoor lighting technologies will be included at the start of this program. Other potential advanced and/or new technologies might include: Advanced furnace/boiler technologies, waste heat recovery technologies, combined heat and power systems, advanced water heat technologies, new energy auditing techniques and tools, to mention a few.	
<b>Implementation Strategy</b>	<p>Guidelines will be developed and issued annually that will clearly provide the process that will be required to introduce a new product/technology into the program. Application requirements and reporting requirements to best evaluate the results of the projects will be defined.</p> <p>Once in place, this program will be utilized by the DCEO program manager as a mechanism to test new and promising products. The program will be made known to all the DCEO program partners as they interact with potential customers.</p>	
<b>Marketing Strategy</b>	This program will be explained in detail to the DCEO program implementor partners such as: trade allies, utility partners, DCEO regional offices, implementation contractors, and others. It will not be marketed extensively to the public sector partners. The program will be suggested and utilized in those applications where the customer is supportive of application of new technologies.	

<b>Incentive Strategy</b>	Incentive strategies will be determined as the products, technologies are considered for introduction into the program. All products must pass the relative cost effectiveness tests.
<b>Milestones</b>	<ul style="list-style-type: none"><li>• <b>February 2011:</b> Commission approval</li><li>• <b>March-May:</b> Final program design and protocol development</li><li>• <b>June 2011:</b> Brekthrough Technologies Program Launched for 2011 through 2014</li></ul>
<b>EM&amp;V Requirements</b>	<p>Any energy savings to be claimed under this program will be reviewed and verified through the EM&amp;V process.</p> <p>DCEO will continue to coordinate the EM&amp;V process with the other utilities, but intends to issue its own EM&amp;V contracts based on a competitive solicitation issued by the DCEO. DCEO believes this is imperative to meet the requirements of a program that spans the entire state.</p>
<b>Administrative Requirements</b>	<p>Program manager responsibilities include final program design, establishing and implementing the review process, and managing the actual projects. Outside contractor may be utilized to assist as necessary.</p>

**Estimated Budget**

<b>Electric Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$1,638,000	\$1,638,000	\$1,638,000	\$4,914,000
<b>Implementation Costs</b>	\$182,000	\$182,000	\$182,000	\$546,000
<b>Total</b>	<b>\$1,820,000</b>	<b>\$1,820,000</b>	<b>\$1,820,000</b>	<b>\$5,460,000</b>
<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$1,195,740	\$1,195,740	\$1,195,740	\$3,587,220
<b>Implementation Costs</b>	\$132,860	\$132,860	\$132,860	\$398,580
<b>Total</b>	<b>\$1,328,600</b>	<b>\$1,328,600</b>	<b>\$1,328,600</b>	<b>\$3,985,800</b>
<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$442,260	\$442,260	\$442,260	\$1,326,780
<b>Implementation Costs</b>	\$49,140	\$49,140	\$49,140	\$147,420
<b>Total</b>	<b>\$491,400</b>	<b>\$491,400</b>	<b>\$491,400</b>	<b>\$1,474,200</b>

<b>Gas Budget Information Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$450,000	\$680,000	\$900,000	\$2,000,000
<b>Implementation Costs</b>	\$50,000	\$75,555	\$100,000	\$225,555
<b>Total</b>	<b>\$500,000</b>	<b>\$755,555</b>	<b>1,000,000</b>	<b>\$2,255,555</b>
<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	\$140,000	\$140,000	\$140,000	\$420,000
<b>Implementation Costs</b>	\$15,555	\$15,555	\$15,555	\$46,665
<b>Total</b>	<b>\$155,555</b>	<b>\$155,555</b>	<b>\$155,555</b>	<b>\$466,665</b>

<b>Estimated Budget Cont'd</b>	<b>NICOR</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Incentive Costs	\$220,000	\$380,000	\$530,000	\$1,130,000
	Implementation Costs	\$24,444	\$42,222	\$58,888	\$125,554
	<b>Total</b>	<b>\$244,444</b>	<b>\$422,222</b>	<b>\$588,888</b>	<b>\$1,255,554</b>
	<b>People's Gas</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Incentive Costs	\$80,000	\$140,000	\$200,000	\$420,000
	Implementation Costs	\$8,888	\$15,555	\$22,222	\$46,885
	<b>Total</b>	<b>\$88,888</b>	<b>\$155,555</b>	<b>\$222,222</b>	<b>\$466,885</b>
	<b>North Shore</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	Incentive Costs	\$10,000	\$20,000	\$30,000	\$60,000
	Implementation Costs	\$1,111	\$2,222	\$3,333	\$6,666
	<b>Total</b>	<b>\$11,111</b>	<b>\$22,222</b>	<b>\$33,333</b>	<b>\$66,666</b>
	<b>Savings Targets</b>	<b>Net Savings (Gas/Electricity)</b>			
<b>Electrical Savings (kWh)</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren (27%)		843,242	843,242	843,242	2,529,727
ComEd (73%)		2,279,878	2,279,878	2,279,878	6,839,633
<b>Total Electric Savings</b>		<b>3,123,120</b>	<b>3,123,120</b>	<b>3,123,120</b>	<b>9,369,360</b>
<b>Gas Savings (Therms)</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren		30,550	30,550	30,550	91,650
NICOR		48,397	82,615	117,432	248,444
People's		18,106	30,817	43,538	92,461
North Shore		2,947	5,894	8,841	17,682
<b>Total Gas Savings</b>		<b>100,000</b>	<b>149,876</b>	<b>200,361</b>	<b>450,237</b>
<b>Other Program Metrics</b>	<b>TRC: 1.0</b>				

<b>PROGRAM NAME</b>	<b>Illinois Home Weatherization Assistance Program (2011 through 2014) rev June 24, 2011</b>																										
<b>Objectives</b>	Achieve electricity and natural gas savings in low-income gas-fired homes Achieve electricity savings in low-income electrically-heated households																										
<b>Target Market</b>	Low income renters and owners with incomes at or below 200% of the poverty level																										
<b>Program Duration</b>	Builds on the existing Illinois Home Weatherization Assistance Program (IHWAP) and potentially new programs that are managed by the Office of Energy Assistance within DCEO and implemented by 36 Local Administering Agencies (LAA's) throughout Illinois. The Program will continue throughout and beyond the period covered by the three-year EEPS plan.																										
<b>Program Description</b>	The Program builds on the existing IHWAP program administered by the Office of Energy Assistance within DCEO. The goal of IHWAP is to improve energy efficiency in existing low income homes. IHWAP focuses primarily on natural gas and electric savings. Additional electric and natural gas efficiency measures will be included to further reduce the energy bills of eligible households.																										
<b>Eligible Measures</b>	<table border="1"> <thead> <tr> <th><i>Electric Measures</i></th> <th><i>kWh/unit</i></th> <th><i>kW/unit</i></th> </tr> </thead> <tbody> <tr> <td><b>1. Energy Star Refrigerator<sup>1</sup></b></td> <td><b>550</b></td> <td><b>0.062</b></td> </tr> <tr> <td><b>2. CFL installation<sup>2</sup></b></td> <td><b>39.6</b></td> <td><b>0.004</b></td> </tr> <tr> <td><b>3. Energy Star rated bathroom exhaust fan<sup>3</sup></b></td> <td><b>89</b></td> <td><b>0.010</b></td> </tr> <tr> <td><b>4. SEER 14 central air conditioner w/ programmable thermostat<sup>4</sup></b></td> <td><b>240</b></td> <td><b>0.400</b></td> </tr> <tr> <td><b>5. Energy Star rated room air conditioner<sup>5</sup></b></td> <td><b>176</b></td> <td><b>0.293</b></td> </tr> <tr> <td><b>6. 90% AFUE furnace with efficient air handler<sup>6</sup></b></td> <td><b>400</b></td> <td><b>0.046</b></td> </tr> <tr> <td><b>7. Replace electric water heater<sup>7</sup></b></td> <td><b>1772</b></td> <td><b>0.202</b></td> </tr> </tbody> </table> <p><sup>1</sup> – ENERGY STAR savings calculator; existing refrigerator at 1,000 kWh/year &amp; ENERGY STAR refrigerator at 450 kWh/year</p> <p><sup>2</sup> – Savings per 1 CFL from PY1 Evaluation Study (60 watt incandescent to 13 watt CFL) at 2.33 hours/day</p> <p><sup>3</sup> – Typical bathroom exhaust fan rated at 60 CFM and 150 watts; ENERGY STAR rated fan at 90 CFM and 28 watts; assume 2 hours per day use; does not include lighting savings if integral to fan</p> <p><sup>4</sup> – ENERGY STAR savings calculator; assumes existing SEER of 9.0 and a 1-ton reduction in cooling load; assumes house has been weatherized by IHWAP; installed when cooling is present; assumes only 6% savings from programmable thermostat instead of 16%</p> <p><sup>5</sup> – ENERGY STAR savings calculator based on a conventional AC unit with an EER of 7.7 and an ENERGY STAR unit with an EER of 11.5.</p> <p><sup>6</sup> - Furnaces must be designated as an electrically efficient furnace by the Gas Appliance Manufacturers Association (GAMA). IHWAP would provide the base cost of the furnace.</p> <p><sup>7</sup> – Assumes existing EF of 0.74 and new EF of 0.93. Assumes 20 gallons of hot water a day per person at 140°F. Savings based on a family of 4.</p>			<i>Electric Measures</i>	<i>kWh/unit</i>	<i>kW/unit</i>	<b>1. Energy Star Refrigerator<sup>1</sup></b>	<b>550</b>	<b>0.062</b>	<b>2. CFL installation<sup>2</sup></b>	<b>39.6</b>	<b>0.004</b>	<b>3. Energy Star rated bathroom exhaust fan<sup>3</sup></b>	<b>89</b>	<b>0.010</b>	<b>4. SEER 14 central air conditioner w/ programmable thermostat<sup>4</sup></b>	<b>240</b>	<b>0.400</b>	<b>5. Energy Star rated room air conditioner<sup>5</sup></b>	<b>176</b>	<b>0.293</b>	<b>6. 90% AFUE furnace with efficient air handler<sup>6</sup></b>	<b>400</b>	<b>0.046</b>	<b>7. Replace electric water heater<sup>7</sup></b>	<b>1772</b>	<b>0.202</b>
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**Eligible Measures  
Con't**

<b>Gas Measures</b>	<b>therms/year</b>
<b>1. Install high efficiency furnace<sup>1</sup></b>	<b>150</b>
<b>2. Install Energy Star rated water heater<sup>2</sup></b>	<b>183</b>
<b>3. Install attic insulation and bypass air sealing<sup>1</sup></b>	<b>129</b>
<b>4. Install wall insulation<sup>1</sup></b>	<b>133</b>
<b>5. Air leakage reduction of 30% with blower door guided air sealing work<sup>3</sup></b>	<b>84</b>
<b>6. Crawl space wall insulation<sup>4</sup></b>	<b>15</b>

<sup>1</sup> - From "Illinois Home Weatherization Assistance Program Energy Impact Evaluation 2006 – 2007"

<sup>2</sup> - Assumes existing EF of 0.43 and new EF of 0.67 (ENERGY STAR rated water heater). Assumes 20 gallons of hot water a day per person at 140°F. Savings based on a family of 4.

<sup>3</sup> - Average pre-WX leakage rate of 3929 CFM50; average post-WX leakage rate of 2653 CFM50; assumes 656,000 Btus/100 CFM reduction (1.5 story house, climatic zone 2)

<sup>4</sup> - Ameren spreadsheet

**Implementation  
Strategy**

DCEO will partner with other state agencies and LAA's to improve the energy efficiency of existing low income households. The partners will continue to administer the IHWAP Programs with additional funding from DCEO. The partners or the LAA's will identify eligible households and directly install the energy efficiency measures.

**Marketing Strategy**

Program will be marketed through utility bill inserts and existing low-income advocacy organizations and other partners.

**Incentive Strategy**

<b>Electric Measures</b>	<b>Incentive per Unit</b>
<b>1. Energy Star Refrigerator</b>	<b>\$550</b>
<b>2. CFL installation (1 lamp)</b>	<b>\$5</b>
<b>3. Energy Star rated bathroom exhaust fan</b>	<b>\$200</b>
<b>4. SEER 14 central air conditioner w/ programmable thermostat</b>	<b>\$2,500</b>
<b>5. Energy Star rated room air conditioner</b>	<b>\$275</b>
<b>6. 90% AFUE furnace with efficient air handler</b>	<b>\$250<sup>1</sup></b>
<b>7. Replace electric water heater</b>	<b>\$600<sup>2</sup></b>

<sup>1</sup> - incremental cost over 90% direct vent sealed combustion furnace

<sup>2</sup> - based on average electric water heater cost installation from 6 LAA's

**Incentive Strategy**

Grants will be provided to cover 100% of the cost for the measures. Measures 1, 2 and 3 may be installed in all homes. If air conditioning is present, either measure 4 or 5 will be installed and the grant will cover 100% of the cost. Measure 6 will be installed if furnace is being replaced and ductwork is in good shape. Measure 7 will be installed when the existing electric water heater is in poor shape.

<b>Gas Measures</b>	<b>Incentive per Unit</b>
<b>1. Install high efficiency furnace</b>	<b>\$1500<sup>1</sup></b>
<b>2. Install Energy Star rated water heater</b>	<b>\$600<sup>1</sup></b>
<b>3. Install attic insulation and bypass air sealing</b>	<b>\$1200<sup>2</sup></b>
<b>4. Install wall insulation</b>	<b>\$1300<sup>2</sup></b>
<b>5. Air leakage reduction of 30% with blower door guided air sealing work</b>	<b>\$280<sup>3</sup></b>
<b>6. Crawl space wall insulation</b>	<b>\$900<sup>2</sup></b>

<sup>1</sup> - based on average installation cost from 8 LAA's

<sup>2</sup> - based on average square foot costs from 7 LAA's for a 1,064 ft<sup>2</sup> attic, 900 net ft<sup>2</sup> wall area and 528 ft<sup>2</sup> crawl space wall area

<sup>3</sup> - based on average air leakage reduction for 6 LAAs

All measures, except 2, will be installed when found to be cost effective. Measure 2 will be installed when the existing gas water heater is in poor shape.

DCEO also reserves the right to modify the incentive levels as needed in accordance with current market development, technology development, EM&V results and program implementation experience.

**Milestones**

- February, 2011: Commission Approval
- March – May, 2011: Final Program design and protocol development
- June, 2011: Program implemented for next three year time period

**EM&V Requirements**

Existing IHWAP program includes final inspections on every home to ensure measures were installed properly. EM&V process will include annual bill analysis for the first three years following implementation.

DCEO supports the proposed collaborative process to review the evaluation, measurement, and verification process and other aspects of the EEPS programs. Additional EM&V requirements will be added to the program if recommended through the collaborative process or by the EM&V contractor.

**Administrative Requirements**

Based on existing IHWAP program.

**Estimated Participation**

<b>Electric Measures</b>	<b>2012 Installations</b>	<b>2013 Installations</b>	<b>2014 Installations</b>
1. Energy Star Refrigerator	5,000	5,000	5,000
2. CFL installation	14,750	14,750	14,750
3. Energy Star rated bathroom exhaust fan	9,000	9,000	9,000
4. SEER 14 central air conditioner w/ programmable thermostat <sup>1</sup>	1,000	1,000	1,000
5. Energy Star rated room air conditioner <sup>1</sup>	300	300	300
6. 90% AFUE furnace with efficient air handler <sup>2</sup>	1,575	1,575	1,575
7. Replace electric water heater	0	0	0

<sup>1</sup> – it's assumed that not all homes will have existing air conditioning

<sup>2</sup> – it's assumed that not all homes will require furnace replacement

<b>Gas Measures</b>	<b>2012 Installations</b>	<b>2013 Installations</b>	<b>2014 Installations</b>
1. Install high efficiency furnace	222	200	200
2. Install Energy Star rated water heater	0	0	0
3. Install attic insulation and bypass air sealing	500	750	980
4. Install wall insulation	300	525	750
5. Air leakage reduction of 30% with blower door guided air sealing work	195	303	312
6. Crawl space wall insulation	25	25	25

The above are estimates for planning purposes of the numbers of measures to be installed. Actual numbers will vary.

**Estimated Budget**

<b>Electric Budget Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$7,599,860	\$7,599,860	\$7,599,860	\$22,799,580
Implementation Costs	\$844,429	\$844,429	\$844,429	\$2,533,287
<b>Total</b>	<b>\$8,444,289</b>	<b>\$8,444,289</b>	<b>\$8,444,289</b>	<b>\$25,332,867</b>

<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$5,547,898	\$5,547,898	\$5,547,898	\$16,643,693
Implementation Costs	\$616,433	\$616,433	\$616,433	\$1,849,300
<b>Total</b>	<b>\$6,164,331</b>	<b>\$6,164,331</b>	<b>\$6,164,331</b>	<b>\$18,492,993</b>

<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$2,051,962	\$2,051,962	\$2,051,962	\$6,155,887
Implementation Costs	\$227,996	\$227,996	\$227,996	\$683,987
<b>Total</b>	<b>\$2,279,958</b>	<b>\$2,279,958</b>	<b>\$2,279,958</b>	<b>\$6,839,874</b>

This budget will be targeted to households with incomes at or below 200% of the poverty level, to fulfill the EEPS legislative requirement for a portfolio of electric efficiency programs targeted to such households.

<b>Gas Budget Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$1,400,000	\$1,990,000	\$2,561,000	\$5,951,000
Implementation Costs	\$155,546	\$221,109	\$284,552	\$661,207
<b>Total</b>	<b>\$1,555,546</b>	<b>\$2,211,109</b>	<b>\$2,845,552</b>	<b>\$6,612,207</b>

<b>Ameren</b>	<b>30.6%</b>	<b>20.8%</b>	<b>15.9%</b>	
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$428,400	\$413,920	\$407,199	\$1,249,519
Implementation Costs	\$47,600	\$45,990	\$45,241	\$138,831
<b>Total</b>	<b>\$476,000</b>	<b>\$459,910</b>	<b>\$452,440</b>	<b>1,388,350</b>

<b>NICOR</b>	<b>48.4%</b>	<b>55.1%</b>	<b>58.7%</b>	
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Incentive Costs	\$677,600	\$1,096,490	\$1,503,307	\$3,277,397
Implementation Costs	\$75,280	\$121,832	\$167,034	\$364,146
<b>Total</b>	<b>\$752,880</b>	<b>\$1,218,322</b>	<b>\$1,670,341</b>	<b>\$3,641,543</b>

**Estimated Budget  
Con't**

<b>Peoples</b>	<b>18.1%</b>	<b>20.5%</b>	<b>21.7%</b>	
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$253,400</b>	<b>\$407,950</b>	<b>\$555,737</b>	<b>\$1,217,087</b>
<b>Implementation Costs</b>	<b>\$28,155</b>	<b>\$45,327</b>	<b>\$61,748</b>	<b>\$135,230</b>
<b>Total</b>	<b>\$281,555</b>	<b>\$453,277</b>	<b>\$617,485</b>	<b>\$1,352,317</b>

<b>North Shore</b>	<b>2.9%</b>	<b>3.6%</b>	<b>3.7%</b>	
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$40,600</b>	<b>\$71,640</b>	<b>\$94,757</b>	<b>\$206,997</b>
<b>Implementation Costs</b>	<b>\$4,511</b>	<b>\$7,960</b>	<b>\$10,529</b>	<b>\$23,000</b>
<b>Total</b>	<b>\$45,111</b>	<b>\$79,600</b>	<b>\$105,286</b>	<b>\$229,997</b>

This budget will be targeted to households with incomes at or below 200% of the poverty level, to fulfill the EEPS legislative requirement for a portfolio of gas efficiency programs targeted to such households.

**Savings Target**

Since this Program is funding measures that will be directly installed, it is assumed that the energy reductions will occur in the same year as the funds are spent.

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren (27%)</b>	<b>1,365,633</b>	<b>1,365,633</b>	<b>1,365,633</b>	<b>4,096,899</b>
<b>ComEd (73%)</b>	<b>3,692,267</b>	<b>3,692,267</b>	<b>3,692,267</b>	<b>11,076,801</b>
<b>Total Electric Savings</b>	<b>5,057,900</b>	<b>5,057,900</b>	<b>5,057,900</b>	<b>15,173,700</b>
<b>Gas Savings (Therms)<sup>1</sup></b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren</b>	<b>47,263</b>	<b>46,260</b>	<b>44,958</b>	<b>138,481</b>
<b>NICOR</b>	<b>74,756</b>	<b>122,544</b>	<b>165,976</b>	<b>363,276</b>
<b>People's</b>	<b>27,956</b>	<b>45,592</b>	<b>61,357</b>	<b>134,906</b>
<b>North Shore</b>	<b>4,479</b>	<b>8,006</b>	<b>10,462</b>	<b>22,948</b>
<b>Total Gas Savings</b>	<b>154,455</b>	<b>222,402</b>	<b>282,753</b>	<b>659,610</b>

**Other Program Metrics**

Number of housing units where measures were installed

TRC: 0.63

<sup>1</sup> Same percent used as above

<b>PROGRAM NAME</b>	<b>Energy Efficient Affordable Housing Construction Program (Low Income New Construction and Gut Rehab) ...2011 through 2014</b> revised June 24, 2011
<b>Objective</b>	Identify and implement highly cost-effective low-income gas and electric energy efficiency opportunities present only in gut-rehab and new construction projects Utilize and extend existing program delivery structure
<b>Target Market</b>	For-profit and not-for-profit developers of affordable housing as well as other owners of affordable housing for low income renters and owners with incomes at or below 80% of Area Median Income (AMI).
<b>Program Duration</b>	The <i>Illinois Energy Efficient Affordable Housing Construction Program</i> (EEAHCP) was initiated in 1988 and would continue throughout and beyond the period covered by the three-year EEPS plan (2011 through 2014).
<b>Program Description</b>	The program is identical to the existing EEAHCP. Highlights of the Program include: <ul style="list-style-type: none"> <li>• Grants are provided to both for-profit and not-for-profit affordable housing, and</li> <li>• Grants are provided for single-family and multi-family projects including rehab and new construction</li> <li>• Grantees must accept the full set of efficiency measures for funding; funding is not provided for individual measures.</li> </ul>

**Eligible Measures**

<b>Electric Measures</b>	<b>kWh/unit</b>	<b>kW/unit</b>
<b>Energy Star Refrigerator<sup>1</sup></b>	<b>95</b>	<b>0.011</b>
<b>Interior fluorescent Energy Star rated fixture<sup>2</sup></b>	<b>39.6</b>	<b>0.004</b>
<b>Exterior fluorescent fixture<sup>2</sup></b>	<b>59.4</b>	<b>0.0102</b>
<b>SEER 14 central air conditioner w/ programmable thermostat<sup>3</sup></b>	<b>94</b>	<b>0.160</b>
<b>Reduce required tonnage as a result of thermal envelope improvements<sup>4</sup></b>	<b>532</b>	<b>0.887</b>
<b>Energy Star dishwasher<sup>5</sup></b>	<b>33</b>	<b>0.004</b>
<b>Energy Star rated bathroom exhaust fan<sup>6</sup></b>	<b>89</b>	<b>0.010</b>
<b>90% AFUE furnace with efficient air handler<sup>7</sup></b>	<b>400</b>	<b>0.046</b>
<b>Energy star rated ceiling fans<sup>8</sup></b>	<b>88</b>	<b>0.010</b>
<b>Electric water heater<sup>9</sup></b>	<b>291</b>	<b>0.033</b>
<b>Energy Star rated clothes washer<sup>10</sup></b>	<b>228</b>	<b>0.026</b>

<sup>1</sup> – ENERGY STAR savings calculator

<sup>2</sup> – based on PY1 Evaluation per interior and exterior fixture

<sup>3</sup> – Cooling capacity reduced from 36,000 Btuh (3 tons) to 24,000 Btuh (2 tons) as a result of the following envelope improvements:

- Improve sidewall insulation to R21 from R10
- Improve roof cavity insulation to R44 from R30 (includes use of ENERGY STAR compliant roofing when appropriate)
- Improve windows from standard double-glazed to double-glazed low-E with a solar heat gain coefficient no higher than 0.55

Savings based on Energy Star calculator and PY1 Evaluation

<sup>4</sup> – PY1 Evaluation said 608 should be used based on 1,000 sqft unit size, or 0.608/sqft. Average unit size is 875 sqft (875 x 0.608 = 532)

<sup>5</sup> – from PY1 Evaluation

<sup>6</sup> – Typical bathroom exhaust fan rated at 60 CFM and 150 watts; ENERGY STAR rated fan at 90 CFM and 28 watts; assume 2 hours per day use; PY1 Evaluation recommended no change.

<sup>7</sup> – Furnaces must be designated as an electrically efficient furnace by the Gas Appliance Manufacturers Association (GAMA); PY1 Evaluation recommended no change

<sup>8</sup> – from Ameren spreadsheet; no credit taken for lighting here

<sup>9</sup> – assumes standard water heater at an Energy Factor (EF) 0.92 and upgraded one at 0.96

<sup>10</sup> – assumes electric dryer and electric water heater

DCEO reserves the right to modify the list of eligible measures as needed in accordance with current market development, technology development, EM&V results and program implementation experience.

<b>Gas Measures<sup>1</sup></b>	<b>Therms/unit - year</b>
<b>Substantial Rehab</b>	<b>719</b>
<b>New Multi-Family Construction</b>	<b>479</b>
<b>New Single-Family Construction</b>	<b>407</b>

<sup>1</sup> – Projects receiving a grant under EEAHCP must implement a full set of gas saving measures including roof, wall and foundation insulation. Windows must be Energy Star rated. Heating and domestic hot water systems must be energy efficient. Gas savings are not determined by measure, but as package of these items. Savings shown above are from units funded under the EEAHCP. Over 2,200 units have received substantial rehab, over 2,200 new multi-family units have been constructed and over 1,000 new single-family homes have been built.

**Implementation Strategy**

The program provides funding for new single-family and multi-family construction as well as multi-family gut rehab projects. As a result of funding over 5,600 affordable housing units since 1988, the Program is well known and utilized in the affordable housing field. Groups such as the Illinois Housing Development Authority, Chicago Department of Housing, and the Community Investment Corporation as well as project architects encourage affordable housing developers to seek energy grants from this program. Combined with the expanded level of funding that will be available, close cooperation with these groups will be critical to expanding the implementation of energy efficiency to additional new construction and gut rehab projects.

**Marketing Strategy**

Those who regularly participate in EEAHCP, including the Illinois Housing Development Authority (IHDA) and IHDA's related partners, will be utilized to market the program changes, particularly the scope expansion to for-profit developers.

**Incentive Strategy**

Program applicants must agree to implement the full set of program measures. All of the above mentioned gas measures must be implemented. Most of the electric measures are required. Appliances, such as refrigerators and dishwashers, must meet the Standards if they are being provided.

<b>Housing Type</b>	<b>Incentive per Unit</b>	<b>Electric Incentive<sup>4</sup></b>	<b>Gas Incentive<sup>4</sup></b>
<b>Substantial Rehab</b>	<b>\$4,500<sup>1</sup></b>	<b>\$2,925</b>	<b>\$1,575</b>
<b>New Multi-Family Construction</b>	<b>\$3,200<sup>2</sup></b>	<b>\$2,080</b>	<b>\$1,120</b>
<b>New Single-Family Construction</b>	<b>\$4,000<sup>3</sup></b>	<b>\$2,600</b>	<b>\$1,400</b>

<sup>1</sup> – Grant amounts are within the range of \$4.25 ft<sup>2</sup> to \$4.50 ft<sup>2</sup>

<sup>2</sup> – Grant amounts are within the range of \$4.00 ft<sup>2</sup> to \$4.25 ft<sup>2</sup>; grant amount above is based on average new multi-family unit size

<sup>3</sup> – Grant amount above is for a single-family home

<sup>4</sup> – Grant incentive split based on FY10 grants

DCEO reserves the right to modify the incentive levels as needed in accordance with current market development, technology development, EM&V results and program implementation experience.

<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>February 2011:</b> Commission Approval</li> <li>• <b>March – May 2011:</b> Final program design and guidelines development</li> <li>• <b>June 2011-</b> Implement for the 2011 through 2014 Program</li> </ul>																
<b>EM&amp;V Requirements</b>	<p>Currently, EEAHCP includes annual fuel bill analysis for the first three years following occupancy of units. Field inspections are scheduled before the sidewalls are closed in for insulation and air sealing inspection. Another inspection is performed at substantial completion and at this time a Blower Door test is performed to measure air leakage. These practices will be maintained with this program.</p> <p>DCEO supports the proposed collaborative process to review the evaluation, measurement, and verification process and other aspects of the EEPS programs. Additional EM&amp;V requirements will be added to the Program if recommended through the collaborative process or by the EM&amp;V contractor.</p>																
<b>Administrative Requirements</b>	Based on existing EEAHCP requirements.																
<b>Estimated Participation</b>	<table border="1"> <thead> <tr> <th data-bbox="446 779 751 856"><b>Electric Measures</b></th> <th data-bbox="758 779 911 856"><b>Year 1 Installations</b></th> <th data-bbox="917 779 1076 856"><b>Year 2 Installations</b></th> <th data-bbox="1083 779 1242 856"><b>Year 3 Installations</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="446 865 751 898"><b>Substantial Rehab</b></td> <td data-bbox="758 865 911 898"><b>316</b></td> <td data-bbox="917 865 1076 898"><b>461</b></td> <td data-bbox="1083 865 1242 898"><b>594</b></td> </tr> <tr> <td data-bbox="446 907 751 972"><b>New Multi-Family Construction</b></td> <td data-bbox="758 907 911 972"><b>477</b></td> <td data-bbox="917 907 1076 972"><b>698</b></td> <td data-bbox="1083 907 1242 972"><b>900</b></td> </tr> <tr> <td data-bbox="446 980 751 1045"><b>New Single-Family Construction</b></td> <td data-bbox="758 980 911 1045"><b>59</b></td> <td data-bbox="917 980 1076 1045"><b>88</b></td> <td data-bbox="1083 980 1242 1045"><b>112</b></td> </tr> </tbody> </table>	<b>Electric Measures</b>	<b>Year 1 Installations</b>	<b>Year 2 Installations</b>	<b>Year 3 Installations</b>	<b>Substantial Rehab</b>	<b>316</b>	<b>461</b>	<b>594</b>	<b>New Multi-Family Construction</b>	<b>477</b>	<b>698</b>	<b>900</b>	<b>New Single-Family Construction</b>	<b>59</b>	<b>88</b>	<b>112</b>
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**Estimated Budget**

<b>Electric Total Program</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$3,002,463	\$3,002,463	\$3,002,463	\$9,007,389
Implementation Costs	\$333,607	\$333,607	\$333,607	\$1,000,821
<b>Total</b>	<b>\$3,336,070</b>	<b>\$3,336,070</b>	<b>\$3,336,070</b>	<b>\$10,008,210</b>

<b>ComEd (73%)</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$2,191,798	\$2,191,798	\$2,191,798	\$6,575,394
Implementation Costs	\$243,533	\$243,533	\$243,533	\$730,599
<b>Total</b>	<b>\$2,435,331</b>	<b>\$2,435,331</b>	<b>\$2,435,331</b>	<b>\$7,305,993</b>

<b>Ameren (27%)</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$810,665	\$810,665	\$810,665	\$2,431,995
Implementation Costs	\$90,074	\$90,074	\$90,074	\$270,222
<b>Total</b>	<b>\$900,739</b>	<b>\$900,739</b>	<b>\$900,739</b>	<b>\$2,702,217</b>

<b>Gas Total Program</b>				
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$1,114,700	\$1,631,000	\$2,100,000	\$4,845,700
Implementation Costs	\$110,444	\$110,444	\$110,444	\$331,332
<b>Total</b>	<b>\$1,225,144</b>	<b>\$1,741,444</b>	<b>\$2,210,444</b>	<b>\$5,177,032</b>

<b>Ameren</b>				
	30.6%	20.8%	15.9%	
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$341,098	\$339,248	\$333,900	\$1,014,246
Implementation Costs	\$18,665	\$18,665	\$18,665	\$55,995
<b>Total</b>	<b>\$359,763</b>	<b>\$357,913</b>	<b>\$352,565</b>	<b>\$1,070,241</b>

<b>NICOR</b>				
	48.4%	55.1%	58.7%	
Budget Category	Year 1	Year 2	Year 3	Total
Incentive Costs	\$539,515	\$898,681	\$1,232,700	\$2,670,896
Implementation Costs	\$62,511	\$62,511	\$62,511	\$187,534
<b>Total</b>	<b>\$602,026</b>	<b>\$961,192</b>	<b>\$1,295,211</b>	<b>\$2,858,429</b>

**Budget Estimates Cont'd**

<b>Peoples</b>	<b>18.1%</b>	<b>20.5%</b>	<b>21.7%</b>	
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$201,761</b>	<b>\$334,355</b>	<b>\$455,700</b>	<b>\$991,816</b>
<b>Implementation Costs</b>	<b>\$23,966</b>	<b>\$23,966</b>	<b>\$23,966</b>	<b>\$71,899</b>
<b>Total</b>	<b>\$225,727</b>	<b>\$358,321</b>	<b>\$479,666</b>	<b>1,063,715</b>

<b>North Shore</b>	<b>2.9%</b>	<b>3.6%</b>	<b>3.7%</b>	
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$32,326</b>	<b>\$58,716</b>	<b>\$77,700</b>	<b>\$168,742</b>
<b>Implementation Costs</b>	<b>\$5,301</b>	<b>\$5,301</b>	<b>\$5,301</b>	<b>\$15,904</b>
<b>Total</b>	<b>\$37,627</b>	<b>\$64,017</b>	<b>\$83,001</b>	<b>\$184,646</b>

This budget will be targeted to affordable housing for households with incomes at or below 80% of the Area Median Income (AMI), to fulfill the EEPS legislative requirement for a portfolio of electric and gas efficiency programs targeted to such households. Other funding sources – such as the Energy Efficiency Trust Fund, settlements with natural gas utilities, the U.S. Department of Energy, and the Illinois Clean Energy Community Foundation – will be used to fund affordable housing units occupied by low income households with incomes exceeding 80% of AMI, affordable housing units located outside the ComEd, Ameren, NICOR, Peoples and North Shore service territories.

**Savings Targets**

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren Territory (27%)</b>	<b>388,169</b>	<b>568,131</b>	<b>731,690</b>	<b>1,687,991</b>
<b>ComEd Territory (73%)</b>	<b>1,049,495</b>	<b>1,536,057</b>	<b>1,978,274</b>	<b>4,563,826</b>
<b>Total Electric Savings</b>	<b>1,437,665</b>	<b>2,104,188</b>	<b>2,709,964</b>	<b>6,251,817</b>
<b>Gas Savings (Therms)<sup>1</sup></b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren Territory</b>	<b>146,788</b>	<b>145,936</b>	<b>143,699</b>	<b>436,424</b>
<b>NICOR Territory</b>	<b>232,175</b>	<b>386,591</b>	<b>530,513</b>	<b>1,149,279</b>
<b>People's Territory</b>	<b>86,826</b>	<b>143,831</b>	<b>196,118</b>	<b>426,775</b>
<b>N/S Territory</b>	<b>13,911</b>	<b>25,258</b>	<b>33,439</b>	<b>72,609</b>
<b>Total Gas Savings</b>	<b>479,700</b>	<b>701,617</b>	<b>903,770</b>	<b>2,085,087</b>

**Other Program Metrics**

Number of affordable housing units developed.  
**TRC: 0.92**

<sup>1</sup> Same percentages used here as for budgets.

<b>PROGRAM NAME</b>	<b>Efficient Living: Illinois Public Housing Program (2011 through 2014) revised June 24, 2011</b>																																																																				
<b>Objectives</b>	Achieve electric and natural gas savings in low-income gas-heated public housing buildings Achieve electricity savings in low-income electrically-heated public housing buildings																																																																				
<b>Target Market</b>	Low income renters with incomes at or below 30% to 50% to 80% median income poverty level for a total of 51,693 housing units and other buildings located in 84 PHAs.																																																																				
<b>Program Duration</b>	A pilot program was conducted in June 2009-2010 (Program Year 2 PY 2). PY 3 will provide incentives to PHAs for electric savings, and PY 4-6 will provide incentives to PHAs for electric and gas savings.																																																																				
<b>Program Description</b>	This program is for all PHAs located in the ComEd, Ameren Illinois, Peoples, North Shore, and Nicor Utility Territories. Grants are available for upgrades in the residential units and incentives are available for upgrades in the common areas and other PHA buildings.																																																																				
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	<b>2. AFUE High Efficiency Furnace with ECM Motor/SEER 15 AC Unit</b>		<b>143</b>
	<b>3. Duct Insulation</b>		<b>41</b>
	<b>4. Duct Sealing 15% baseline</b>		<b>21</b>
	<b>5. Condensing Gas Water Heater</b>		<b>100</b>
	<b>6. Low-Flow Shower Heads with Gas Hot Water</b>		<b>21.5</b>
	<b>7. Low-Flow Faucets with Gas Hot Water</b>		<b>6.8</b>
<b>Implementation Strategy</b>	This program will work closely with HUD's Office of Public Housing and Sustainability Office. The goals and objectives of this program are very similar to HUD's energy efficiency strategy in public housing. Program staff will work closely with PHAs to provide on-site technical assistance with the identification of ECRM and assistance with application process if requested.		
<b>Marketing Strategy</b>	Various lunch and learns will be held throughout the state for PHAs executive directors and their development staff, outreach and education including hosting one-day workshop sessions on zero buildings in conjunction with the UIUC 2009 solar decathlon house, and providing information on the SEDAC web page		
<b>Incentive Strategy</b>	Incentives for common areas in PHA buildings, administrative, community, day care and maintenance/storage buildings will be the same as the Public Sector Standard and Custom Program. Grants offered for residential units will be the same as the Low-Income Residential Retrofit Program.		
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• PY 2: June 2009-2010 Pilot program began</li> <li>• PY 3: June 2010-May 31, 2011: Incentives for electric savings</li> <li>• PY 4-6: June 2011-May 2014: Incentives for electric &amp; gas savings</li> </ul>		
<b>EM&amp;V Requirements</b>	SEDAC will report energy and cost savings in annual implementation reports. Program savings will be based on reported implementation of ECRM from PHA clients, annual utility costs and consumption savings costs when available. When the PHAs pay for the utilities, a three year annual report of utility costs and consumption will be required to monitor savings.		
<b>Administrative Requirements</b>	The program will be administered through an interagency agreement with Smart Energy Design Assistance Center at the University of Illinois at Urbana-Champaign. SEDAC will also contract with additional professionals to provide some of the related services.		

**Estimated Participation**

<b>Electric Measures</b>	<b>Number of Measures Year 1</b>	<b>Number of Measures Year 2</b>	<b>Number of Measures Year 3</b>
1. CFL Installation	40,000	40,000	40,000
2. T8 Fluorescent Installation	5,000	6,000	7,000
3. Occupancy Sensor Installation	180	200	220
4. Beverage Machine Equipment Controller	100	100	100
5. Snack Vending Machine Equipment Controller	50	70	80
6. LED Exit Sign Installation	1,000	1,000	1,000
7. Pulse Start/ Metal Halide Installation	80	100	120
8. High Efficiency Clothes Washer CEE tier 3	100	150	175
9. Bathroom Exhaust Fan	300	300	300
10. Energy Star Rated Refrigerator	1,000	1,200	1,400
11. Bi-level Stairwell Lighting	50	100	150
12. Energy Star Rated PTHP	200	250	300
13. Heat Pump Electric Water Heater	50	50	50
14. Energy Star Rated Window A/C Unit	1,000	1,250	1,500
15. SEER 15 A/C Unit w/ Programmable Thermostat	500	500	500
16. Energy Star Rated Ceiling Fan	1,000	1,000	1,000
17. Low-Flow Shower Heads with Electric Hot Water	500	500	500
18. Low-Flow Faucets with Electric Hot Water	500	500	500
19. Refrigerator Recycling	1,000	1,200	1,400
20. PTAC Recycling	200	250	300
21. Room A/C Recycling	1,000	1,250	1,500

<b>Gas Measures</b>	<b>Number of Measures Year 1</b>	<b>Number of Measures Year 2</b>	<b>Number of Measures Year 3</b>
1. AFUE 95 High Efficiency Furnace with ECM Motor	150	150	150
2. AFUE 95 High Efficiency Furnace with ECM Motor/SEER 15 AC Unit	150	150	150
3. Duct Insulation	200	250	300
4. Duct Sealing 15% Baseline	200	250	300
5. Condensing Gas Water Heater	50	60	70
6. High Efficiency Boilers	15	20	30
7. Low-Flow Shower Heads with Gas Hot Water	1,500	1,750	2,000
8. Low-Flow Faucets with Gas Hot Water	1,500	1,750	2,000

**Estimated Budget**

<b>Electric Budget Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$2,509,486</b>	<b>\$2,509,486</b>	<b>\$2,509,486</b>	<b>\$7,528,458</b>
<b>Implementation Costs</b>	<b>\$278,832</b>	<b>\$278,832</b>	<b>\$278,832</b>	<b>\$836,496</b>
<b>Total</b>	<b>\$2,788,318</b>	<b>\$2,788,318</b>	<b>\$2,788,318</b>	<b>\$8,364,954</b>

<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$1,831,925</b>	<b>\$1,831,925</b>	<b>\$1,831,925</b>	<b>\$5,495,774</b>
<b>Implementation Costs</b>	<b>\$203,547</b>	<b>\$203,547</b>	<b>\$203,547</b>	<b>\$610,642</b>
<b>Total</b>	<b>\$2,035,472</b>	<b>\$2,035,472</b>	<b>\$2,035,472</b>	<b>\$6,106,416</b>

<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$677,561</b>	<b>\$677,561</b>	<b>\$677,561</b>	<b>\$2,032,684</b>
<b>Implementation Costs</b>	<b>\$75,285</b>	<b>\$75,285</b>	<b>\$75,285</b>	<b>\$225,854</b>
<b>Total</b>	<b>\$752,846</b>	<b>\$752,846</b>	<b>\$752,846</b>	<b>\$2,258,538</b>

This budget will be targeted to households with incomes at or below 150% of the poverty level, to fulfill the EEPS legislative requirement for a portfolio of electric efficiency programs targeted to such households

<b>Gas Budget Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$929,200</b>	<b>\$1,321,300</b>	<b>\$1,700,600</b>	<b>\$3,951,100</b>
<b>Implementation Costs</b>	<b>\$103,250</b>	<b>\$14,681</b>	<b>\$189,600</b>	<b>\$439,010</b>
<b>Total</b>	<b>\$1,032,500</b>	<b>\$1,468,100</b>	<b>\$1,889,600</b>	<b>\$4,390,100</b>

<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$389,500</b>	<b>\$397,300</b>	<b>\$403,700</b>	<b>\$1,190,400</b>
<b>Implementation Costs</b>	<b>\$38,950</b>	<b>\$39,730</b>	<b>\$40,370</b>	<b>\$132,270</b>
<b>Total</b>	<b>\$389,500</b>	<b>\$397,300</b>	<b>\$403,700</b>	<b>\$1,322,700</b>

<b>NICOR</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$287,550</b>	<b>\$491,580</b>	<b>\$693,450</b>	<b>\$1,472,580</b>
<b>Implementation Costs</b>	<b>\$31,950</b>	<b>\$54,620</b>	<b>\$77,050</b>	<b>\$163,620</b>
<b>Total</b>	<b>\$319,500</b>	<b>\$546,200</b>	<b>\$770,500</b>	<b>\$1,636,210</b>

**Estimated Budget Con't**

<b>Peoples</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$235,800</b>	<b>\$401,940</b>	<b>\$563,580</b>	<b>\$1,201,390</b>
<b>Implementation Costs</b>	<b>\$26,200</b>	<b>\$44,660</b>	<b>\$62,620</b>	<b>\$133,480</b>
<b>Total</b>	<b>\$262,000</b>	<b>\$446,600</b>	<b>\$626,200</b>	<b>\$1,334,870</b>

<b>North Shore</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Incentive Costs</b>	<b>\$16,460</b>	<b>\$30,500</b>	<b>\$39,800</b>	<b>\$86,760</b>
<b>Implementation Costs</b>	<b>\$1,830</b>	<b>\$3,400</b>	<b>\$4,400</b>	<b>\$9,640</b>
<b>Total</b>	<b>\$18,290</b>	<b>\$33,900</b>	<b>\$44,200</b>	<b>\$96,400</b>

This budget will be targeted to public housing authorities providing affordable housing assistance to households 30-50-80% below the median income households of county residence.

**Savings Target**

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren (27%)	1,429,474	1,429,474	1,429,474	4,288,422
ComEd (73%)	3,864,874	3,864,874	3,864,874	11,594,622
<b>Total Electric Savings</b>	<b>5,294,348</b>	<b>5,294,348</b>	<b>5,294,348</b>	<b>15,883,044</b>
<b>Gas Savings (Therms)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren	58,778	59,995	60,929	179,662
NICOR	43,396	74,191	104,664	222,251
People's	35,588	60,667	85,064	181,318
North Shore	2,484	4,602	6,007	13,094
<b>Total Gas Savings</b>	<b>140,246</b>	<b>199,416</b>	<b>256,664</b>	<b>596,325</b>

**Other Program Metrics**

- Number of extremely-low to very-low to low income households served.
- Number of affordable housing units upgraded.
- Number of common areas and other buildings upgraded.
- Amount of actual energy savings in kWh, MWH, or therms.

TRC: 0.98

<b>PROGRAM NAME</b>	<b>Smart Energy Design Assistance Program (SEDAC)---(2011 through 2014) revised June 24, 2011</b>
<b>Objective</b>	<p>Achieve long-term and low-cost energy efficiency improvements in commercial and public new construction and existing buildings through design assistance and energy efficiency analysis.</p> <p>Assist public sector and business clients in identifying energy efficiency opportunities to take advantage of DCEO's and the utilities' Prescriptive and Custom incentive programs.</p> <p>Develop within Illinois a robust energy efficiency services industry for small and medium commercial and public loads to enable DCEO and the utilities to meet the later year EEPS goals.</p>
<b>Target Market</b>	Public sector entities and commercial businesses that are investing in new facilities or renovating existing facilities.
<b>Program Duration</b>	Ongoing program that will continue throughout the years 4, 5, and 6 of the EEPS plan period.
<b>Program Description</b>	<p>The Smart Energy Design Assistance Program is an expansion of an existing design assistance program offered through the Smart Energy Design Assistance Center (SEDAC) at the University of Illinois at Urbana-Champaign. The new program will expand the target from small and medium-size businesses to the public sector as well, including K-12 schools, community colleges, universities, and state and local government buildings.</p> <p>To date, SEDAC has provided detailed design assistance to over 500 clients. In addition, the program has provided information and support to nearly 2000 other clients. The program also provides implementation assistance, in the form of continuing efforts to guide clients to adopt design assistance recommendations. SEDAC maintains contact with previous clients to increase implementation of energy cost reduction strategies already identified, and incorporate the added benefits of the incentives into the cost analyses conducted for new clients. SEDAC also markets new EEPS incentives through Public Sector Energy Workshops and its monthly newsletter.</p> <p>The program provides clients with design assistance reports that detail energy cost reduction measures (ECRMs) that have been analyzed. The reports list ECRMs individually, but rather than encourage the client to invest in only the quickest reduction strategies, the recommendations bundle cost-effective measures, accounting for interaction, to encourage clients to take advantage of the synergies that exist only when the whole building is analyzed. Cost-effective strategies are those bundles of ECRMs where the internal rate of return of the investment is greater than the discount rate and the net present value of the investment is greater than zero, with the financial analysis presented in a clear and simple fashion.</p> <p>The basic design assistance analysis approach involves several steps:</p> <ol style="list-style-type: none"> <li>1) The baseline energy model is constructed in TRACE 700 or eQUEST software products. These are computer programs that perform an hourly building energy simulation, which calculates the amount of energy (and the resulting utility cost of that energy) that the building is expected to use over an entire typical weather year. Model inputs include building geometry and orientation, wall &amp; roof details, window area and type, type of heating/cooling system, type of lighting, local weather information, and schedules regarding lighting usage, internal equipment usage, and occupancy. This "baseline" computer model shows the building's estimated annual energy consumption and utility cost.</li> </ol>

**Program Description**

- 2) A computer analysis of energy cost reduction measures (ECRMs) is performed. These alternatives are generated after reviewing and discussing the baseline building plans or inspection report. The baseline computer model is changed to reflect the implementation of these ECRMs, and the computer model generates the resultant energy consumption and expected utility costs. Some ECRMs are evaluated external to the model since the model does not cover all circumstances.
- 3) The estimated savings and the additional costs of implementing all analyzed ECRMs are evaluated in a life cycle cost analysis.
- 4) ECRMs that have favorable economics are bundled together and re-modeled against the baseline where any interactions between ECRMs are accounted for.

For existing buildings, the baseline is the existing building systems and the full costs of the electricity cost reduction measures are analyzed. For new construction or renovation, the baseline is determined from design drawings and code requirements and the incremental costs of report recommendations are analyzed.

Finally SEDAC also offers continuing education/design courses to architects and engineers and informal energy-related trainings for businesses, energy service providers and other entities. Courses offered include: The Architecture of Sustainability, Energy Basics, Basics of Architectural Lighting, Building Life-Cycle Cost Estimation, Beyond Code, Energy Efficiency Tax Benefits of EPAAct 2005, LEED, and Geothermal. Trainings provide outreach and marketing opportunities for SEDAC and DCEO and help create awareness of technologies and programs.

**Eligible Measures**

The Smart Energy Design Assistance Program provides four levels of assistance to clients:

Level 1: **Initial Consultations** include a variety of interactions with design professionals, building owners and other stakeholders. These initial consultations include one-on-one meetings, presentations, telephone calls and other correspondence; the purpose is to inform individuals and organizations about the program opportunity, answer program questions, offer technical assistance with respect to energy and assess the potential value of providing additional program services.

Level 2: **Energy Audits** include a review of any existing plans for scheduled construction or renovation (in cases where the building is still in the pre-construction phase, SEDAC reviews the engineering plans and recommends approaches to enhance energy efficiency), or in the case of existing facilities, a site visit and consultation. Level 2 results in suggestions for project engineers, architects and other stakeholders for how to develop and incorporate innovative and efficient design techniques and elements.

SEDAC analyzes the building usage requirements and general building characteristics, and ranks energy cost reduction measures (ECRMs) relatively. Once the energy audit is completed and the potential for energy savings has been determined, the benefit of a complete design assistance process is evaluated and recommendations are provided to the SEDAC client.

Level 3: **Design Assistance** involves an in-depth building analysis that includes four steps:

1. Energy simulation modeling, differential energy calculations or comparable spreadsheet calculations of the facility
2. Evaluation of individual and resultant energy cost reduction measures (ECRMs)
3. A life cycle cost analysis that identifies specific energy cost reduction measures and potential savings
4. A final feasibility report

<b>Eligible Measures Con't</b>	<p>Level 4: <b>Implementation Support</b> is provided when the SEDAC client incurs obstacles to the implementation of the recommended energy efficient technologies. These services will include guidance on: financial options, bids, specifications, contractor relationships and other services as required for implementation of energy efficiency improvements.</p> <p>The Department of Commerce and Economic Opportunity reserves the right to revise the levels of assistance as needed in accordance with current market conditions, technology development, EM&amp;V results, and program implementation experience.</p>										
<b>Implementation Strategy</b>	<p>The program utilizes staff from the University of Illinois at Urbana-Champaign and other energy professionals that make up the Smart Energy Design Assistance Center (SEDAC). The program will be offered to the public sector and for-profit businesses. Current targeted market segments include restaurants, convenience stores, assisted living facilities, and lodging and the entire public sector, including schools, community colleges, universities, municipal buildings, and water treatment plants. New clients are brought in through referrals, DCEO business programs, Web site and through direct contact from SEDAC outreach. SEDAC outreach activities include formal and informal trainings, workshops, and conference participation.</p>										
<b>Marketing Strategy</b>	<p>The program has already developed an extensive database of interested parties. A monthly electronic newsletter is distributed to over 4,200 recipients. A program Web site has been established at <a href="http://www.sedac.org">www.sedac.org</a> where Web hits and visitors continue to increase. During May 2010, there were over 139,000 Web hits and 4,500 visitors. A page has been set up at <a href="http://www.illinoiseeps.org">www.illinoiseeps.org</a> to direct clients to information on the EEPS, programs and incentives and to provide links to Ameren, ComEd, and natural gas utility programs and implementers. Additionally, the program is continually expanding the networks of energy service providers and design assistance experts. These databases and Website will be expanded to incorporate public sector entities.</p>										
<b>Incentive Strategy</b>	<p>The four levels of assistance are offered for free to public sector entities and small and medium-size businesses. The program will refer clients to the Prescriptive and Custom programs offered by DCEO, Ameren, ComEd, and the natural gas utilities for implementation incentives. SEDAC also will continue to refer clients to the SEDAC Web page for information on all funding opportunities (state, federal, private, etc.).</p> <table border="1" data-bbox="443 1094 1125 1331"> <thead> <tr> <th data-bbox="443 1094 808 1136">Measure</th> <th data-bbox="808 1094 1125 1136">Incentive Levels</th> </tr> </thead> <tbody> <tr> <td data-bbox="443 1136 808 1188">Level 1: Initial consultations</td> <td data-bbox="808 1136 1125 1188">Offered for free</td> </tr> <tr> <td data-bbox="443 1188 808 1241">Level 2: Energy Audits</td> <td data-bbox="808 1188 1125 1241">Offered for free</td> </tr> <tr> <td data-bbox="443 1241 808 1293">Level 3: Design Assistance</td> <td data-bbox="808 1241 1125 1293">Offered for free</td> </tr> <tr> <td data-bbox="443 1293 808 1331">Level 4: Implementation Support</td> <td data-bbox="808 1293 1125 1331">Offered for free</td> </tr> </tbody> </table> <p>DCEO reserves the right to charge for services for larger customers over a certain size or for particular services at a future date, depending on current market conditions, technology development, EM&amp;V results, and program implementation experience.</p>	Measure	Incentive Levels	Level 1: Initial consultations	Offered for free	Level 2: Energy Audits	Offered for free	Level 3: Design Assistance	Offered for free	Level 4: Implementation Support	Offered for free
Measure	Incentive Levels										
Level 1: Initial consultations	Offered for free										
Level 2: Energy Audits	Offered for free										
Level 3: Design Assistance	Offered for free										
Level 4: Implementation Support	Offered for free										
<b>Milestones</b>	<p><b>Oct. 2010 – Feb. 2011:</b> Begin marketing efforts through monthly newsletter, meetings, speaking engagements, website (<a href="http://www.illinoiseeps.org">www.illinoiseeps.org</a>), trainings and contact with other state offices for the integrated electricity and natural gas programs.</p> <p><b>Feb. 2011:</b> Commission approval.</p> <p><b>Feb. 2011 – May 2011:</b> Expand design assistance to incorporated the new incentives in the integrated program.</p> <p><b>Jun. 2011:</b> Provide design assistance to public sector and/or small and medium-sized businesses to complement utility and DECO Prescriptive, Custom, New Construction, and Retro-Commissioning incentive programs.</p> <p><b>Jun. 2011 – May 2014:</b> Continue to provide design assistance to more public sector and business clients, while continuing to support existing SEDAC clients (business and public).</p>										

<b>EM&amp;V Requirements</b>	<p>Currently, SEDAC reports program energy and cost savings in a quarterly <i>Implementation Success Report</i>. Program savings are based on reported implementation of ECRMs from SEDAC clients who are contacted via telephone, e-mail, direct mail or site visits. Individual implementation reports are submitted for each client and a database is maintained that totals the impact. DCEO intends to claim kWh and therm reductions through this program that are achieved in addition to those that receive custom or prescriptive incentives that will be recommended by SEDAC. In addition, DCEO plans to continue collecting information on estimated savings and ECRM implementation while tracking crossover between the various programs and avoiding double counting of energy reductions. It should be noted that while not all SEDAC clients seek or receive EEPS incentives, they still do implement SEDAC recommendations resulting from audits and studies. Some also receive Federal Tax incentives and USDA incentives. An analysis of the SEDAC database indicates that since 2008, approximately 109 clients have implemented energy saving projects without receiving incentives. These energy saving projects are estimated at 10,108 MWh, 3.95 MW, and 461,880 therms. The information may be valuable to the independent EM&amp;V contractor and may be used in the future to report savings from the program.</p> <p>DCEO supports the proposed collaborative process to review the evaluation, measurement, and verification process and other aspects of the EEPS programs. Additional EM&amp;V requirements will be added to the program if recommended through the collaborative process or by the EM&amp;V contractor.</p>																				
<b>Administrative Requirements</b>	<p>The program will be administered through a grant with the Smart Energy Design Assistance Center at the University of Illinois at Urbana-Champaign. SEDAC will also contract with additional professionals to provide some of the design assistance and related services.</p>																				
<b>Estimated Participation</b>	<table border="1" data-bbox="440 884 1286 1157"> <thead> <tr> <th>Measure</th> <th>PY 4</th> <th>PY 5</th> <th>PY6</th> </tr> </thead> <tbody> <tr> <td>Level 1: Initial consultations</td> <td>350</td> <td>350</td> <td>350</td> </tr> <tr> <td>Level 2: Energy Audits</td> <td>120</td> <td>120</td> <td>120</td> </tr> <tr> <td>Level 3: Design Assistance</td> <td>80</td> <td>80</td> <td>80</td> </tr> <tr> <td>Level 4: Implementation Support</td> <td>60</td> <td>60</td> <td>70</td> </tr> </tbody> </table> <p>The above is an estimate of the numbers of entities that will receive the various levels of assistance for program planning purposes. Actual participation will vary.</p>	Measure	PY 4	PY 5	PY6	Level 1: Initial consultations	350	350	350	Level 2: Energy Audits	120	120	120	Level 3: Design Assistance	80	80	80	Level 4: Implementation Support	60	60	70
Measure	PY 4	PY 5	PY6																		
Level 1: Initial consultations	350	350	350																		
Level 2: Energy Audits	120	120	120																		
Level 3: Design Assistance	80	80	80																		
Level 4: Implementation Support	60	60	70																		

**Estimated Budget**

<b>Electric Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$2,600,000</b>	<b>\$7,800,000</b>
<b>Implementation Costs</b>	<b>\$289,000</b>	<b>\$289,000</b>	<b>\$289,000</b>	<b>\$867,000</b>
<b>Total</b>	<b>\$2,889,000</b>	<b>\$2,889,000</b>	<b>\$2,889,000</b>	<b>\$8,667,000</b>

<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$1,898,000</b>	<b>\$1,898,000</b>	<b>\$1,898,000</b>	<b>\$5,694,000</b>
<b>Implementation Costs</b>	<b>\$210,970</b>	<b>\$210,970</b>	<b>\$210,970</b>	<b>\$632,910</b>
<b>Total</b>	<b>\$2,108,970</b>	<b>\$2,108,970</b>	<b>\$2,108,970</b>	<b>\$6,326,910</b>

<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$702,000</b>	<b>\$702,000</b>	<b>\$702,000</b>	<b>\$2,106,000</b>
<b>Implementation Costs</b>	<b>\$78,030</b>	<b>\$78,030</b>	<b>\$78,030</b>	<b>\$234,090</b>
<b>Total</b>	<b>\$780,030</b>	<b>\$780,030</b>	<b>\$780,030</b>	<b>\$2,340,090</b>

<b>Gas Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$583,020</b>	<b>\$875,650</b>	<b>\$1,158,750</b>	<b>\$2,617,420</b>
<b>Implementation Costs</b>	<b>\$64,770</b>	<b>\$97,280</b>	<b>\$128,750</b>	<b>\$290,800</b>
<b>Total</b>	<b>\$647,790</b>	<b>\$972,930</b>	<b>\$1,287,500</b>	<b>\$2,908,220</b>

<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$178,120</b>	<b>\$181,640</b>	<b>\$184,590</b>	<b>\$544,350</b>
<b>Implementation Costs</b>	<b>\$19,790</b>	<b>\$20,180</b>	<b>\$20,510</b>	<b>\$60,480</b>
<b>Total</b>	<b>\$197,910</b>	<b>\$201,820</b>	<b>\$205,100</b>	<b>\$604,830</b>

<b>Nicor</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$282,170</b>	<b>\$482,290</b>	<b>\$680,380</b>	<b>\$1,444,840</b>
<b>Implementation Costs</b>	<b>\$31,350</b>	<b>\$53,580</b>	<b>\$75,600</b>	<b>\$160,530</b>
<b>Total</b>	<b>\$313,520</b>	<b>\$535,870</b>	<b>\$755,980</b>	<b>\$1,605,370</b>

**Estimated Budget Con't**

<b>Peoples</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$105,560</b>	<b>\$179,910</b>	<b>\$252,260</b>	<b>\$537,730</b>
<b>Implementation Costs</b>	<b>\$11,730</b>	<b>\$19,990</b>	<b>\$28,030</b>	<b>\$59,750</b>
<b>Total</b>	<b>\$117,290</b>	<b>\$199,900</b>	<b>\$280,290</b>	<b>\$597,480</b>
<b>North Shore</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$17,170</b>	<b>\$31,810</b>	<b>\$41,520</b>	<b>\$90,500</b>
<b>Implementation Costs</b>	<b>\$1,900</b>	<b>\$3,530</b>	<b>\$4,610</b>	<b>\$10,040</b>
<b>Total</b>	<b>\$19,070</b>	<b>\$35,340</b>	<b>\$46,130</b>	<b>\$100,540</b>

**Savings Targets**

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren (27%)</b>	<b>1,080,000</b>	<b>1,080,000</b>	<b>1,080,000</b>	<b>3,240,000</b>
<b>ComEd (73%)</b>	<b>2,920,000</b>	<b>2,920,000</b>	<b>2,920,000</b>	<b>8,760,000</b>
<b>Total Electric Savings</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>4,000,000</b>	<b>12,000,000</b>
<b>Gas Savings (Therms)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Ameren</b>	<b>33,800</b>	<b>33,800</b>	<b>33,800</b>	<b>101,400</b>
<b>NICOR</b>	<b>113,200</b>	<b>113,200</b>	<b>113,200</b>	<b>339,600</b>
<b>People's</b>	<b>43,400</b>	<b>43,400</b>	<b>43,400</b>	<b>130,200</b>
<b>North Shore</b>	<b>9,600</b>	<b>9,600</b>	<b>9,600</b>	<b>28,800</b>
<b>Total Gas Savings</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>600,000</b>

Even with the absence of incentives, SEDAC's June 2010 *Implementation Success Report* indicates that the design assistance provided by the program thus far has led to savings over 1,463,000 therms annually, 40,890 MWh annually, and reduced demand by over 9.3 MW. Of these savings, it is estimated that SEDAC clients have implemented over 10,108 MWh, 3.95 MW, and 461,880 therms in energy savings projects that did not receive EEPS incentives. Based on the above and adjusting to annual numbers, the following are the estimated savings from the SEDAC program that are over and above incentive based savings.

**Other Program Metrics**

Number of public sector entities and businesses assisted and number of design assistance reports completed.

<b>PROGRAM NAME</b>	<b>Large Customer Energy Analysis Program (LEAP)—(2011 through 2014)</b> <b>Revised June 24, 2011</b>
<b>Objective</b>	<p>The Large-customer Energy Analysis Program is designed to reduce the cost of doing business in the state, and thereby demonstrating the cost-effectiveness of energy efficiency strategies, protecting jobs, and reducing pollution from wasted energy.</p> <p>The program provides Illinois manufacturing companies, large hospitals and other large customers with total energy cost optimization and energy management planning.</p> <p>Assist large customers in identifying energy efficiency opportunities to take advantage of DCEO's and the utilities prescriptive and custom programs (marketing).</p>
<b>Target Market</b>	<p>Illinois manufacturers, hospitals and other large customers with energy costs greater than \$500,000 per year. All targeted customers taking delivery service from ComEd, Ameren, Nicor, Peoples or Northshore are eligible for this program regardless of their choice of supplier.</p>
<b>Program Duration</b>	<p>The LEAP program began June 1, 2008 in the first EEP 3 year cycle and will continue into the the next EEP 3 year cycle, June 1, 2011 - May 31, 2014</p>
<b>Program Description</b>	<p>LEAP targets the industrial sector, hospitals and other large customers by assisting them with the development of an energy management plan. Large customers may participate in a sustainable energy planning workshop where "hands on" consulting and coaching support can be provided as a follow-up to the workshop for the customer in developing the energy management plan.</p> <p>LEAP takes a business approach to energy management and examines how energy is integrated with large customer management systems, and provides assistance in developing an energy management plan. The plan identifies and prioritizes energy reduction measures and capital projects that provide the greatest return on investment. It also identifies incentive opportunities large energy users can utilize from the energy efficiency programs offered by DCEO and EEPS participating utilities (ComEd, Nicor, Peoples Gas, Northshore and Ameren Illinois). Participating entities typically reduce energy costs 10%-30% (sometimes more) if they implement the plan.</p> <p>DCEO is currently providing these energy management practices through Sustainable Energy Workshops and follow-up services provided by Utilivate Technologies.</p>
<b>Eligible Measures</b>	<p>The program will offer energy management planning and technical analysis services using the above mentioned methods. Large customers who have participated in the development of an energy management plan are eligible for the program funding to include follow up technical services.</p>
<b>Implementation Strategy</b>	<p>The program utilizes approaches such as Utilivate's sustainable energy management plan. One critical advantage of the program is that facilitators have been trained and additional facilitators will be trained on the use of energy diagnostic tools, building the expertise and capacity of Illinois-based large-customer energy efficiency analysis firms. Manufacturers, hospitals and other large customers willing to send energy management staff and CFO-type officers to a workshop can take advantage of the sustainable energy management plan workshops. These workshops will be made available at several locations throughout the state. DCEO will also work with companies such as Utilivate to conduct the sustainable energy workshops and assist mnaufacturers with developing their energy management plans. Customers will pay a portion of the workshop expense. The program may be expanded along similar lines to support large customer assessments through approaches other than those of Utilivate.</p>

<b>Marketing Strategy</b>	The program will be marketed by DCEO, Utilivate, and the utilities. DCEO will market the program through regional offices, presentations at workshops, industrial and business associations, direct mailings and limited cold calling when appropriate. A list of interested manufacturers, hospitals, and large customers is readily available. Utilivate will market the workshops through internal efforts to include developing brochures, working with trade organizations and municipal organizations. Utilivate will help market the program by bringing Illinois manufacturers, large hospitals, and other large customers to the program from previous energy conservation efforts. Utilivate will also follow-up with initial leads provided by DCEO with availability of services and program description.
<b>Incentive Strategy</b>	The program incentives are as follows. DCEO reserves the right to modify the incentive levels as needed in accordance with current market development, technology development, EM&V results and program implementation experience.
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>October 1, 2010:</b> Commission approval</li> <li>• <b>June 2008:</b> Program launch</li> </ul>
<b>EM&amp;V Requirements</b>	The training sessions, workshops, diagnostic sessions, etc. will be evaluated through post-training surveys and interviews with clients and facilitators. Because one primary purpose of the program is to direct customers to the DCEO and utility Prescriptive and Custom programs, and to avoid double-counting of Kwh and therm reductions that will be counted in those programs, DCEO will not seek to claim direct Kwh or therm reductions through this program. DCEO supports the proposed collaborative process to review the evaluations, measurement, and verification process and other aspects of the EEPS programs. Additional EM&V requirements will be added to the Program if recommended through the collaborative process or by the EM&V contractor.
<b>Administrative Requirements</b>	Program manager responsibilities include program design, program marketing and outreach activities, project management, QA/QC activities, tracking and reporting, and program goal achievement.
<b>Estimated Participation</b>	Based on the success of the LEAP program in the first EEPS 3 year plan, DCEO expects more than adequate demand for the Large-Customer Energy Assistance Program.

**Estimated Budget**

<b>Electric Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$1,200,000</b>
<b>Implementation Cost</b>	<b>\$44,000</b>	<b>\$44,000</b>	<b>\$44,000</b>	<b>\$132,000</b>
<b>Total</b>	<b>\$444,000</b>	<b>\$444,000</b>	<b>\$444,000</b>	<b>\$1,332,000</b>

<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$292,000</b>	<b>\$292,000</b>	<b>\$292,000</b>	<b>\$876,000</b>
<b>Implementation Cost</b>	<b>\$32,120</b>	<b>\$32,120</b>	<b>\$32,120</b>	<b>\$96,360</b>
<b>Total</b>	<b>\$324,120</b>	<b>\$324,120</b>	<b>\$324,120</b>	<b>\$972,360</b>

<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$108,000</b>	<b>\$108,000</b>	<b>\$108,000</b>	<b>\$324,000</b>
<b>Implementation Cost</b>	<b>\$11,880</b>	<b>\$11,880</b>	<b>\$11,880</b>	<b>\$35,640</b>
<b>Total</b>	<b>\$119,880</b>	<b>\$119,880</b>	<b>\$119,880</b>	<b>\$359,640</b>

<b>Gas Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$116,590</b>	<b>\$175,120</b>	<b>\$231,730</b>	<b>\$523,440</b>
<b>Implementation Cost</b>	<b>\$12,950</b>	<b>\$19,440</b>	<b>\$25,740</b>	<b>\$58,130</b>
<b>Total</b>	<b>\$129,540</b>	<b>\$194,560</b>	<b>\$257,470</b>	<b>\$581,570</b>

<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$35,620</b>	<b>\$36,320</b>	<b>\$36,910</b>	<b>\$108,850</b>
<b>Implementation Cost</b>	<b>\$3,950</b>	<b>\$4,030</b>	<b>\$4,100</b>	<b>\$12,080</b>
<b>Total</b>	<b>\$39,570</b>	<b>\$40,350</b>	<b>\$41,010</b>	<b>\$120,930</b>

<b>Nicor</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$56,430</b>	<b>\$96,460</b>	<b>\$136,070</b>	<b>\$288,960</b>
<b>Implementation Cost</b>	<b>\$6,270</b>	<b>\$10,710</b>	<b>\$15,120</b>	<b>\$32,000</b>
<b>Total</b>	<b>\$62,700</b>	<b>\$107,170</b>	<b>\$151,190</b>	<b>\$321,060</b>

**Estimated Budget Con't**

<b>Peoples</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$21,110</b>	<b>\$35,980</b>	<b>\$50,450</b>	<b>\$107,540</b>
<b>Implementation Cost</b>	<b>\$2,350</b>	<b>\$4,000</b>	<b>\$5,600</b>	<b>\$11,950</b>
<b>Total</b>	<b>\$23,460</b>	<b>\$39,980</b>	<b>\$56,050</b>	<b>\$119,490</b>

<b>North Shore</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Cost</b>	<b>\$3,430</b>	<b>\$6,360</b>	<b>\$8,300</b>	<b>\$18,090</b>
<b>Implementation Cost</b>	<b>\$380</b>	<b>\$700</b>	<b>\$920</b>	<b>\$2,000</b>
<b>Total</b>	<b>\$3,810</b>	<b>\$7,060</b>	<b>\$9,220</b>	<b>\$20,090</b>

**Savings Targets**

None

**Other Program Metrics**

e.g. Number of attendees at the strategic planning workshops, and applications to the Public Sector Electric and Gas Energy Efficiency Programs as follow on activity.

<b>PROGRAM NAME</b>	<b>Building Industry Training and Education (2011 through 2014) revised June 24, 2011</b>
<b>Objective</b>	To train professionals from all aspects of the building industry in energy efficient practices and about energy efficient products and equipment, in order to develop the robust energy efficiency services market necessary to achieve the EEPS goals in future years.
<b>Target Market</b>	All industry groups related to the design, building, rehab and O & M of buildings and industrial processes.
<b>Program Duration</b>	This program began June 1, 2008 in the EEPS first program year and will continue throughout the next three-year EEPS plan period, 2011 - 2014.
<b>Program Description</b>	The Building Industry Training and Education Program will provide funds to organizations to train professionals from all aspects of the building industry in energy efficient practices and about energy efficient products and equipment, in order to develop the robust energy efficiency services market necessary to achieve the energy savings goals in future years. Grantees will organize and coordinate workshops and training for all sectors throughout the state in order to educate the industry on the state of the art energy efficiency practices for building construction, rehab, operation, and maintenance. This program supports efforts such as the Illinois Energy Conservation Code for Commercial Building training, Home Energy Rater (HERS) training, Building Performance Institute (BPI) training and the Building Operator Certification (BOC) program.
<b>Eligible Measures</b>	<p>DCEO will offer a range of training programs for all groups related to the design, building, rehab, operation, and maintenance of all types of buildings and industrial process improvements. Training programs include the following as funding allows:</p> <ul style="list-style-type: none"> <li>• Implementation Assistance - Provides technical assistance to government entities to assist them in applying for EEP funding and indentifying other finance options.</li> <li>• Energy Code training - train code enforcement officials, architects, designers, engineers, builders, contractors, and other interested parties on current codes, code updates, and potential new codes to facilitate and increase code compliance. DCEO notes that code training supports the building standards requirements of the statute. 220 ILCS 5/12-103(f)(2).</li> <li>• Commercial Builders (New Construction) - train commercial designers, builders and contractors to build beyond code, including achieving LEED certification.</li> <li>• Commercial Existing Building "Lost Opportunity" (Rehab and HVAC end-of-life replacement) train HVAC installers who replace HVAC equipment at the end of life to understand and recommend more efficient options.</li> <li>• Commercial Building Owners and Operators - Building Operator Certification (BOC) is nationally recognized training and certification program for building facilities. Certification is complete-based on and offered at two levels: Level 1 emphasizing energy efficient building maintenance practices and Level 2 stressing advance equipment troubleshooting and preventative maintenance.</li> <li>• Residential Homebuilders (New Construction) - train builders and contractors in how to build beyond code, including how to qualify for Energy Star New Homes.</li> <li>• Residential Homebuilders (Rehab) - train builders and contractors to adopt a whole house approach to improve the energy efficiency of existing homes, using curriculum based on Home Performance with Energy Star.</li> </ul>

<b>Eligible Measures (Cont'd)</b>	<ul style="list-style-type: none"> <li>Industrial Assessment - work with US DOE funded Industrial Assessment Centers and UIC and Bradley University to identify energy efficiency opportunities that can be funded.</li> <li>Community College Training Programs - provide training through Illinois Community Colleges towards an occupational certificate for construction and building operator trades, building inspectors, site supervisors, and related occupations.</li> </ul> <p>DCEO may add other types of training based on current market development, technology development, EM&amp;V results and program implementation experience.</p>																																																		
<b>Implementation Strategy</b>	DCEO will organize and coordinate workshops and training, with contractor assistance as needed, for all sectors throughout the state in order to educate the industry on the state-of-art energy efficiency practices for building construction, rehab, operation, and maintenance.																																																		
<b>Marketing Strategy</b>	Publicize workshops through trade publications, associations and industry groups (ASHRAE, ISPE, AIA, State Board of Education, Community College Board, Higher Ed, IML, APEC, etc.). Work with utility companies to identify commercial and industrial customers with appropriately sized facilities and promote training.																																																		
<b>Incentive Strategy</b>	DCEO will use EEPS funds to buy down the cost of the training sessions to make them available to more building professionals statewide.																																																		
<b>Milestones</b>	<ul style="list-style-type: none"> <li>October 2010 – commission submittal</li> <li>June 2011 – program launch</li> </ul>																																																		
<b>EM&amp;V Requirements</b>	<p>The training program will be evaluated in various ways to ensure that the quality of the training is maintained, including participant surveys. Efforts will be made as well to survey participants about how they have followed up and implemented practices learned in the training.</p> <p>As noted above in the eligible measures section, codes training is required by the statute. Codes training is critical because real-world on the ground code implementation does not necessarily follow from code adaptation. DCEO intends to propose in the EM&amp;V collaborative that an optimal use of early EM&amp;V funds would be market assessments to better gauge the actual implementation of building codes in Illinois.</p>																																																		
<b>Administrative Requirements</b>	DCEO will organize and coordinate the workshops, using contractor assistance as necessary. For established programs, existing administrative requirements will be followed.																																																		
<b>Estimated Budget</b>	<table border="1" data-bbox="565 1360 1425 1549"> <thead> <tr> <th colspan="5"><b>Electric Total Program</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td><b>\$2,180,000</b></td> <td><b>\$2,230,000</b></td> <td><b>\$2,270,000</b></td> <td><b>\$6,680,000</b></td> </tr> <tr> <td><b>Implementation Costs</b></td> <td><b>\$242,000</b></td> <td><b>\$247,000</b></td> <td><b>\$252,000</b></td> <td><b>\$741,000</b></td> </tr> <tr> <td><b>Total</b></td> <td><b>\$2,422,000</b></td> <td><b>\$2,477,000</b></td> <td><b>\$2,522,000</b></td> <td><b>\$7,421,000</b></td> </tr> </tbody> </table> <table border="1" data-bbox="565 1591 1425 1774"> <thead> <tr> <th colspan="5"><b>ComEd (73%)</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td><b>\$1,591,400</b></td> <td><b>\$1,627,900</b></td> <td><b>\$1,657,100</b></td> <td><b>\$4,876,400</b></td> </tr> <tr> <td><b>Implementation Costs</b></td> <td><b>\$176,660</b></td> <td><b>\$180,310</b></td> <td><b>\$183,960</b></td> <td><b>\$540,930</b></td> </tr> <tr> <td><b>Total</b></td> <td><b>\$1,768,060</b></td> <td><b>\$1,808,210</b></td> <td><b>\$1,841,060</b></td> <td><b>\$5,417,330</b></td> </tr> </tbody> </table>	<b>Electric Total Program</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	<b>\$2,180,000</b>	<b>\$2,230,000</b>	<b>\$2,270,000</b>	<b>\$6,680,000</b>	<b>Implementation Costs</b>	<b>\$242,000</b>	<b>\$247,000</b>	<b>\$252,000</b>	<b>\$741,000</b>	<b>Total</b>	<b>\$2,422,000</b>	<b>\$2,477,000</b>	<b>\$2,522,000</b>	<b>\$7,421,000</b>	<b>ComEd (73%)</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	<b>\$1,591,400</b>	<b>\$1,627,900</b>	<b>\$1,657,100</b>	<b>\$4,876,400</b>	<b>Implementation Costs</b>	<b>\$176,660</b>	<b>\$180,310</b>	<b>\$183,960</b>	<b>\$540,930</b>	<b>Total</b>	<b>\$1,768,060</b>	<b>\$1,808,210</b>	<b>\$1,841,060</b>	<b>\$5,417,330</b>
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Estimated Budget Cont'd

<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$588,600	\$602,100	\$612,900	\$1,803,600
Implementation Costs	\$65,340	\$66,690	\$68,040	\$200,070
<b>Total</b>	<b>\$653,940</b>	<b>\$668,790</b>	<b>\$680,940</b>	<b>\$2,003,670</b>
<b>Gas Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$670,490	\$1,006,980	\$1,332,570	\$3,010,040
Implementation Costs	\$74,490	\$111,880	\$148,040	\$334,410
<b>Total</b>	<b>\$744,980</b>	<b>\$1,118,860</b>	<b>\$1,480,610</b>	<b>\$3,344,450</b>

<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$204,840	\$208,880	\$212,280	\$626,000
Implementation Costs	\$22,760	\$23,210	\$23,580	\$69,550
<b>Total</b>	<b>\$227,600</b>	<b>\$232,090</b>	<b>\$235,860</b>	<b>\$695,550</b>
<b>Nicor</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$324,500	\$554,630	\$782,440	\$1,661,570
Implementation Costs	\$36,050	\$61,620	\$86,930	\$186,600
<b>Total</b>	<b>\$360,550</b>	<b>\$616,250</b>	<b>\$869,370</b>	<b>\$1,846,170</b>
<b>Peoples</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$121,400	\$206,890	\$290,100	\$618,390
Implementation Costs	\$13,490	\$22,990	\$32,230	\$68,710
<b>Total</b>	<b>\$134,890</b>	<b>\$229,880</b>	<b>\$322,330</b>	<b>\$687,100</b>
<b>North Shore</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$19,750	\$36,580	\$47,750	\$104,080
Implementation Costs	\$2,190	\$4,060	\$5,300	\$11,550
<b>Total</b>	<b>\$21,940</b>	<b>\$40,640</b>	<b>\$53,050</b>	<b>\$115,630</b>

<b>PROGRAM NAME</b>	<b>Building Operator Certification (2011 through 2014)</b>	<b>revised June 24, 2011</b>																	
<b>Objective</b>	To reduce energy usage and increase comfort and air quality in commercial, industrial, and public facilities by providing training to operations and maintenance staff working in Illinois buildings.																		
<b>Target Market</b>	Targeted market includes building operators, building engineers, maintenance staff, and facilities managers responsible for operations and maintenance of facilities over 50,000 sq. ft.																		
<b>Program Duration</b>	Beginning June 1, 2011 and continuing throughout the three-year EEPS plan period.																		
<b>Program Description</b>	The Building Operator Certification (BOC) program is a nationally recognized, competency-based training and education program. The training program provides building operators with the tips and tools to maximize efficiency, reduce energy usage, and improve comfort through no-to-low cost operations and maintenance strategies. The program is delivered in a traditional classroom format and includes eight full-day courses taught by industry experts. Course topics include HVAC systems & controls, facility electrical systems, efficient lighting fundamentals, energy conservation techniques, and indoor air quality. In addition, the curriculum includes five in-facility projects to help students apply the concepts learned in class to their own facilities.																		
<b>Eligible Measures</b>	BOC is an education and training program designed to engage building operators in energy efficiency.																		
<b>Implementation Strategy</b>	DCEO will organize and coordinate workshops and training, with contractor assistance, to educate building operators in the most up to date strategies for energy efficient facilities.																		
<b>Marketing Strategy</b>	Publicize workshops through trade publications, associations and industry groups (ASHRAE, ISPE, AIA, State Board of Education, Community College Board, Higher Ed, IML, APEC, etc.). Work with utility companies to identify commercial and industrial customers with appropriately sized facilities and promote training.																		
<b>Incentive Strategy</b>	DCEO will use EEPS funds to provide rebates to employers of BOC graduates to reduce the cost of training and incentivize attendance.																		
<b>Milestones</b>	<ul style="list-style-type: none"> <li>October 2010 – commission submittal</li> <li>June 2011 – program launch</li> </ul>																		
<b>EM&amp;V Requirements</b>	The training program will be evaluated in various ways to ensure that the quality of the training is maintained, including participant surveys. Efforts will be made as well to survey participants about how they have followed up and implemented practices learned in the training.																		
<b>Administrative Requirements</b>	DCEO will organize and coordinate the workshops, using contractor assistance as necessary. For established programs, existing administrative requirements will be followed.																		
<b>Estimated Participation</b>	<table border="1"> <thead> <tr> <th>Measure</th> <th>2011 Trainings</th> <th>2012 Trainings</th> <th>2013 Trainings</th> </tr> </thead> <tbody> <tr> <td><b>Workshops/Trainings</b></td> <td>7</td> <td>8</td> <td>10</td> </tr> <tr> <td><b>Electric Savings*</b></td> <td>21,000,000 kWh</td> <td>24,000,000 kWh</td> <td>30,000,000 kWh</td> </tr> <tr> <td><b>Gas Savings*</b></td> <td>518,000 Therms</td> <td>592,000 Therms</td> <td>740,000 Therms</td> </tr> </tbody> </table>			Measure	2011 Trainings	2012 Trainings	2013 Trainings	<b>Workshops/Trainings</b>	7	8	10	<b>Electric Savings*</b>	21,000,000 kWh	24,000,000 kWh	30,000,000 kWh	<b>Gas Savings*</b>	518,000 Therms	592,000 Therms	740,000 Therms
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	*Based on national evaluation averages. Specific Illinois savings will be determined by upcoming evaluation.																		

**Estimated Budget**

<b>Electric Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$150,000	\$150,000	\$150,000	\$450,000
Implementation Costs	\$17,000	\$17,000	\$17,000	\$51,000
<b>Total</b>	<b>\$167,000</b>	<b>\$167,000</b>	<b>\$167,000</b>	<b>\$501,000</b>

<b>ComEd (73%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$109,500	\$109,500	\$109,500	\$328,500
Implementation Costs	\$12,410	\$12,410	\$12,410	\$37,230
<b>Total</b>	<b>\$121,910</b>	<b>\$121,910</b>	<b>\$121,910</b>	<b>\$365,730</b>

<b>Ameren (27%)</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$40,500	\$40,500	\$40,500	\$121,500
Implementation Costs	\$4,500	\$4,500	\$4,500	\$13,770
<b>Total</b>	<b>\$45,090</b>	<b>\$45,090</b>	<b>\$45,090</b>	<b>\$135,270</b>

<b>Gas Total Program</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$58,300	\$87,560	\$115,860	\$261,720
Implementation Costs	\$6,470	\$9,720	\$12,870	\$29,060
<b>Total</b>	<b>\$64,770</b>	<b>\$97,280</b>	<b>\$128,730</b>	<b>\$290,780</b>

<b>Ameren</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$17,810	\$18,160	\$18,460	\$54,430
Implementation Costs	\$1,980	\$2,020	\$2,050	\$6,050
<b>Total</b>	<b>\$19,790</b>	<b>\$20,180</b>	<b>\$20,510</b>	<b>\$60,480</b>

<b>Nicor</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$28,220	\$48,230	\$68,030	\$144,480
Implementation Costs	\$3,130	\$5,350	\$7,560	\$16,040
<b>Total</b>	<b>\$31,350</b>	<b>\$53,580</b>	<b>\$75,590</b>	<b>\$160,520</b>

<b>Peoples</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Program Costs	\$10,560	\$17,990	\$25,220	\$53,770
Implementation Costs	\$1,170	\$2,000	\$2,800	\$5,970
<b>Total</b>	<b>\$11,730</b>	<b>\$19,990</b>	<b>\$28,020</b>	<b>\$59,740</b>

**Estimated Budget Con't**

<b>North Shore</b>				
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
<b>Program Costs</b>	<b>\$1,710</b>	<b>\$3,180</b>	<b>\$4,150</b>	<b>\$9,040</b>
<b>Implementation Costs</b>	<b>\$190</b>	<b>\$350</b>	<b>\$460</b>	<b>\$1,000</b>
<b>Total</b>	<b>\$1,900</b>	<b>\$3,530</b>	<b>\$4,610</b>	<b>\$10,040</b>

**Savings Target**

<b>Net Savings (Gas/Electricity)</b>				
<b>Electrical Savings (kWh)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren (27%)	675,000	675,000	675,000	2,025,000
ComEd (73%)	1,825,000	1,825,000	1,825,000	5,475,000
<b>Total Electric Savings</b>	<b>2,500,000</b>	<b>2,500,000</b>	<b>2,500,000</b>	<b>7,500,000</b>
<b>Gas Savings (Therms)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
Ameren	16,731	16,731	16,731	50,193
NICOR	56,034	56,034	56,034	168,102
People's	21,483	21,483	21,483	64,449
North Shore	4,752	4,752	4,752	14,256
<b>Total Gas Savings</b>	<b>99,000</b>	<b>99,000</b>	<b>99,000</b>	<b>297,000</b>

The above savings are considered "spillover savings", savings resulting from implementation of energy measures by the trained operators after the training in which they do not seek any incentive funds from the EEPS program.

**Other Program Metrics**

DCEO will coordinate seven BOC trainings in 2011, eight in 2012, and ten in 2013. Each series consists of eight full days of training. Typical series have at least 20 operators enrolled meaning 140 operators will be trained in 2011, 160 in 2012 and 200 in 2013.

<b>PROGRAM NAME</b>	<b>Building Energy Code Compliance (2011 through 2014)</b> <span style="float: right;"><b>revised June 24, 2011</b></span>
<b>Objective</b>	<p>To develop programs and trainings to ensure that Illinois achieves 90 percent compliance with the IECC 2009 for residential buildings and ASHRAE 90.1-2007 for commercial buildings by 2017 as required by the U.S. Department of Energy under the 2009 American Recovery and Reinvestment Act. This plan will include active training and enforcement programs, initial analysis to establish a baseline for current compliance and development of annual measurement of the rate of compliance beginning in 2012.</p> <p>Development and implementation of a comprehensive compliance plan will aid achievement of the compliance goals by facilitating the coordination and aggregation of efforts of all stakeholders leading to significant and verifiable energy savings from residential and commercial buildings.</p>
<b>Target Market</b>	All state and industry groups related to the building and rehab of residential and commercial buildings and other energy efficiency stakeholders, including investor-owned utilities subject to energy efficiency portfolio standards and consumer and environmental advocates.
<b>Program Duration</b>	Beginning June 1, 2011 and continuing throughout the three-year EEPS plan period.
<b>Program Description</b>	Development of program to assess baseline code compliance for residential and commercial building codes in the state and annual measurement of compliance for future years. Further, programs and trainings will be developed to ensure that the State meets the 90% compliance requirement by the 2017 deadline.
<b>Eligible Measures</b>	<p>To develop a plan to reach the required compliance rate for building energy codes by 2017, DCEO and other stakeholders will have to consider the following assessments, programs and trainings:</p> <ul style="list-style-type: none"> <li>• Energy Code Training – train code enforcement officials, architects, engineers, builders, contractors, designers, and other interested parties on IECC 2009 for new and renovated residential construction and ASHRAE 90.1 – 2007 for new and renovated commercial buildings to facilitate and increase code compliance. Ensure that new training complement current trainings funded by DCEO and U.S. DOE</li> <li>• Identify the strengths and weaknesses of the current trainings, identify areas of the code that may require more intensive training efforts, and improve and better target the on-going training and technical assistance provided by DCEO and its partners</li> <li>• Consider additional or other types of training based on current market development, technology development, EM&amp;V results and program implementation experience</li> <li>• Community College Training Programs – provide training through Illinois Community Colleges towards an occupational certificate for construction trades, building inspectors, site supervisors, and related occupations</li> <li>• Education and Outreach Materials - Identify areas for enhancement (stringency, format and scope) of current building energy codes materials to reflect 90% compliance goal by 2017.</li> </ul>

<p><b>Eligible Measures Con't</b></p>	<ul style="list-style-type: none"> <li>• Outreach program will : <ul style="list-style-type: none"> <li>○ State and local policymakers understand the importance of energy codes and support programs to ensure compliance</li> <li>○ All stakeholders in building design support and know how to compile with minimum building energy code</li> <li>○ Building owners and developers understand the benefits of energy efficient buildings and support energy-related efforts in design and construction</li> <li>○ Builders and contractors know how to follow plans and specifications to construct code compliant buildings</li> <li>○ Utilities and regulatory commissions support implementation of building energy codes</li> <li>○ General public expects new construction and major renovations to meet minimum building energy code</li> </ul> </li> <li>• Technical Assistance - provide technical assistance to builders, designers, engineers, architects and code enforcement officials to increase compliance. Continue to work with DCEO partners, including the International Code Council, ASHRAE and Building Media, Incorporated</li> <li>• Research Elements of Compliance Plan – Research and work with stakeholder groups to secure information and guidance about the elements of an effective plan, based on experiences in other states and building on the results of the DOE compliance pilot studies</li> <li>• Baseline Code Evaluation - Development of study to assess the current baseline compliance for residential and commercial buildings in 2011 and identify areas where additional training or alternative methods of training are necessary in measure compliance (This work will take at least 150K to complete; it probably cannot be done within the budget. We may want to use the DOE solicitation to fund this work).</li> <li>• Annual Code Compliance Assessment - Development of assessment tool to evaluate compliance annually beginning in 2012 and refine effective methods to ensure accurate measure of building code compliance.</li> <li>• Utility Engagement to Support Compliance – Identify the business as usual scenario for compliance, develop strategies and programs to address how utility can assist in increasing compliance and develop methodology for utilities to track energy savings from increased compliance. Also review and consider development of 3<sup>rd</sup> party training and certification effort.</li> </ul>
<p><b>Implementation Strategy</b></p>	<p>DCEO will organize and coordinate workshops and training for all sectors throughout the state in order to educate the industry on the current building energy code requirements for new and remodeled residential and commercial buildings and relevant government agency to measure and increase compliance with minimum code requirements.</p>
<p><b>Marketing Strategy</b></p>	<p>DCEO will partner with advocate organizations to develop and conduct an education and outreach plan to all relevant governments in the State with authority for building energy codes.</p>
<p><b>Incentive Strategy</b></p>	<p>DCEO will provide trainings on IECC 2009 and ASHRAE 90.1-2007 at no cost and conduct an extensive outreach and education strategy to ensure strong participation throughout the state.</p>
<p><b>Milestones</b></p>	<ul style="list-style-type: none"> <li>• <b>October 2010:</b> Commission approval</li> <li>• <b>October 2010-May 2011:</b> Develop program plan, including , define baseline assessment process, and refine assessment measurement Refine program designs and establish workshop schedule.</li> <li>• <b>June 2011:</b> Program launch</li> </ul>

<b>EM&amp;V Requirements</b>	The training and education programs will be evaluated in various ways to ensure that the quality of the training is maintained, including participant surveys. Efforts will be made as well to survey participants about how they have followed up and implemented practices learned in the training. In addition to this work, there will be an annual compliance analysis to determine what, if any, changes need to be made.																																																																																																																																																						
<b>Administrative Requirements</b>	DCEO will establish a technical working group with participation from the stakeholder communities to develop compliance program.																																																																																																																																																						
<b>Estimated Budget</b>	<table border="1"> <thead> <tr> <th colspan="5"><b>Electric Total Program</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td>\$150,000</td> <td>\$150,000</td> <td>\$150,000</td> <td>\$450,000</td> </tr> <tr> <td><b>Implementation Costs</b></td> <td>\$17,000</td> <td>\$17,000</td> <td>\$17,000</td> <td>\$51,000</td> </tr> <tr> <td><b>Total</b></td> <td>\$167,000</td> <td>\$167,000</td> <td>\$167,000</td> <td>\$501,000</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5"><b>ComEd (73%)</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td>\$109,500</td> <td>\$109,500</td> <td>\$109,500</td> <td>\$328,500</td> </tr> <tr> <td><b>Implementation Costs</b></td> <td>\$12,410</td> <td>\$12,410</td> <td>\$12,410</td> <td>\$37,230</td> </tr> <tr> <td><b>Total</b></td> <td>\$121,910</td> <td>\$121,910</td> <td>\$121,910</td> <td>\$365,730</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5"><b>Ameren (27%)</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td>\$40,500</td> <td>\$40,500</td> <td>\$40,500</td> <td>\$121,500</td> </tr> <tr> <td><b>Implementation Costs</b></td> <td>\$4,590</td> <td>\$4,590</td> <td>\$4,590</td> <td>\$13,770</td> </tr> <tr> <td><b>Total</b></td> <td>\$45,090</td> <td>\$45,090</td> <td>\$45,090</td> <td>\$135,270</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5"><b>Gas Total Program</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td>\$87,450</td> <td>\$131,330</td> <td>\$173,810</td> <td>\$392,590</td> </tr> <tr> <td><b>Implementation Costs</b></td> <td>\$9,710</td> <td>\$14,590</td> <td>\$19,300</td> <td>\$43,600</td> </tr> <tr> <td><b>Total</b></td> <td>\$97,160</td> <td>\$145,920</td> <td>\$193,110</td> <td>\$436,190</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5"><b>Ameren</b></th> </tr> <tr> <th><b>Budget Category</b></th> <th><b>Year 1</b></th> <th><b>Year 2</b></th> <th><b>Year 3</b></th> <th><b>Total</b></th> </tr> </thead> <tbody> <tr> <td><b>Program Costs</b></td> <td>\$26,710</td> <td>\$27,240</td> <td>\$27,690</td> <td>\$81,640</td> </tr> <tr> <td><b>Implementation Costs</b></td> <td>\$2,970</td> <td>\$3,020</td> <td>\$3,070</td> <td>\$9,060</td> </tr> <tr> <td><b>Total</b></td> <td>\$29,680</td> <td>\$30,260</td> <td>\$30,760</td> <td>\$90,700</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	<b>Electric Total Program</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	\$150,000	\$150,000	\$150,000	\$450,000	<b>Implementation Costs</b>	\$17,000	\$17,000	\$17,000	\$51,000	<b>Total</b>	\$167,000	\$167,000	\$167,000	\$501,000						<b>ComEd (73%)</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	\$109,500	\$109,500	\$109,500	\$328,500	<b>Implementation Costs</b>	\$12,410	\$12,410	\$12,410	\$37,230	<b>Total</b>	\$121,910	\$121,910	\$121,910	\$365,730						<b>Ameren (27%)</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	\$40,500	\$40,500	\$40,500	\$121,500	<b>Implementation Costs</b>	\$4,590	\$4,590	\$4,590	\$13,770	<b>Total</b>	\$45,090	\$45,090	\$45,090	\$135,270						<b>Gas Total Program</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	\$87,450	\$131,330	\$173,810	\$392,590	<b>Implementation Costs</b>	\$9,710	\$14,590	\$19,300	\$43,600	<b>Total</b>	\$97,160	\$145,920	\$193,110	\$436,190						<b>Ameren</b>					<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>	<b>Program Costs</b>	\$26,710	\$27,240	\$27,690	\$81,640	<b>Implementation Costs</b>	\$2,970	\$3,020	\$3,070	\$9,060	<b>Total</b>	\$29,680	\$30,260	\$30,760	\$90,700					
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<b>Ameren (27%)</b>																																																																																																																																																							
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>																																																																																																																																																			
<b>Program Costs</b>	\$40,500	\$40,500	\$40,500	\$121,500																																																																																																																																																			
<b>Implementation Costs</b>	\$4,590	\$4,590	\$4,590	\$13,770																																																																																																																																																			
<b>Total</b>	\$45,090	\$45,090	\$45,090	\$135,270																																																																																																																																																			
<b>Gas Total Program</b>																																																																																																																																																							
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>																																																																																																																																																			
<b>Program Costs</b>	\$87,450	\$131,330	\$173,810	\$392,590																																																																																																																																																			
<b>Implementation Costs</b>	\$9,710	\$14,590	\$19,300	\$43,600																																																																																																																																																			
<b>Total</b>	\$97,160	\$145,920	\$193,110	\$436,190																																																																																																																																																			
<b>Ameren</b>																																																																																																																																																							
<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>																																																																																																																																																			
<b>Program Costs</b>	\$26,710	\$27,240	\$27,690	\$81,640																																																																																																																																																			
<b>Implementation Costs</b>	\$2,970	\$3,020	\$3,070	\$9,060																																																																																																																																																			
<b>Total</b>	\$29,680	\$30,260	\$30,760	\$90,700																																																																																																																																																			

<b>Estimated Budget Con't</b>	<b>Nicor</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	<b>Program Costs</b>	<b>\$42,330</b>	<b>\$72,340</b>	<b>\$102,050</b>	<b>\$216,720</b>
	<b>Implementation Costs</b>	<b>\$4,700</b>	<b>\$8,040</b>	<b>\$11,340</b>	<b>\$24,080</b>
	<b>Total</b>	<b>\$47,030</b>	<b>\$80,380</b>	<b>\$113,390</b>	<b>\$240,800</b>
	<b>Peoples</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	<b>Program Costs</b>	<b>\$15,830</b>	<b>\$26,980</b>	<b>\$37,840</b>	<b>\$80,650</b>
	<b>Implementation Costs</b>	<b>\$1,760</b>	<b>\$3,000</b>	<b>\$4,200</b>	<b>\$8,960</b>
	<b>Total</b>	<b>\$17,590</b>	<b>\$29,980</b>	<b>\$42,040</b>	<b>\$89,610</b>
	<b>North Shore</b>				
	<b>Budget Category</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Total</b>
	<b>Program Costs</b>	<b>\$2,580</b>	<b>\$4,770</b>	<b>\$6,230</b>	<b>\$13,570</b>
<b>Implementation Costs</b>	<b>\$280</b>	<b>\$530</b>	<b>\$690</b>	<b>\$1,510</b>	
<b>Total</b>	<b>\$2,860</b>	<b>\$5,300</b>	<b>\$6,920</b>	<b>\$15,080</b>	

<b>Savings Targets</b>	Once the baseline compliance number is known, plans will be developed to ensure that the State is able to meet the 90% compliance requirement by 2017. A working group will review potential for utility funded training and outreach programs designed to increase compliance from the baseline assessment allowing utilities to receive proportional EEPS credit based on the increased compliance for the investment in the program. The percentage of credit will be directly related to the increase in measured code compliance.
<b>Other Program Metrics</b>	Code training sessions offered each year around the state and number of participants by profession and location.