

# Program Planning Template

## 2014 – 2017 Programs

### GY 4 – 6; EY 7 - 9

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Program Applicable for: Ameren \_\_\_\_\_ ComEd \_\_\_\_\_ DCEO  X   
Nicor \_\_\_\_\_ People's Gas/North Shore Gas \_\_\_\_\_

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<b>Program Name</b>	<b>Illinois Codes Collaborative (2014 through 2017)</b>
<b>Objective</b>	The goal of this new program is to increase residential and commercial energy savings by improving designer and builder compliance with the existing 2012 Illinois Energy Conservation Code. The program will apply to all new construction, additions and renovations throughout the state of Illinois.
<b>Target Market</b>	This program will serve occupants of newly constructed, expanded or renovated commercial buildings and homes by 1) targeting homebuilders, commercial contractors, design professionals and code officials to promote increased compliance with the energy code and 2) providing support to the existing code enforcement infrastructure.
<b>Utility Coordination</b>	It is the intent of all five Illinois Energy Efficiency Program Administrators (ComEd, Ameren, Nicor, DCEO and Integrys) to offer this program as a first-ever, coordinated, state-wide program. This program is expected to benefit gas and electric utility customers across the entire state of Illinois. The program administrators have determined a framework for program management and cost allocation based on the savings/benefits to each utility's customers. The framework for program management and cost allocation is fair and equitable, and maintains an on-going focus on program improvement and increasing the cost effectiveness of both program management and implementation. The framework is structured to ensure each participating program administrator can meet its on-going regulatory and financial obligations for overall prudent and cost-effective program management.
<b>Program Duration</b>	06/2014 through 05/2017 (three-year EEPS plan period)

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<b>Program Description</b>	<p>A contractor (or contractors) selected through an RFP process will implement the program elements for the statewide program. The program elements will address the primary market needs of inadequate resources, education and training. The program will streamline business processes for builder compliance, and for municipal inspection and approval. Certain concepts will be market-tested in Phase I (PY7). In Phase II (PY8-9), a full program will be launched that incorporates the results and findings of Phase I. Key elements of the implementation strategy include:</p> <p><b>Phase I Program</b> (This phase will also include a separate study to independently determine market barriers and strategies for effectively increasing code compliance. This market study will cover all relevant stakeholders and inform Phase II program design.):</p> <ul style="list-style-type: none"> <li>• <b>Compliance Collaborative.</b> The collaborative brings together targeted stakeholders both to discuss the issues that hamper higher levels of code compliance and to find ways to overcome the identified obstacles. Providing a venue for stakeholders to collectively address energy code compliance issues will help promote a consistent statewide understanding and enforcement of energy code requirements.</li> <li>• <b>Jurisdictional Assistance.</b> Existing processes for determining code compliance in the field and obtaining code official review and approval can be improved to increase compliance rates. Assistance can take many different forms such as helping to streamline the existing permit / inspection system, assisting in the adoption of software that processes permits and plan reviews more quickly, or establishing methods to allow quicker permits for specific items such as HVAC replacement. Under this program approximately 10-12 municipalities would receive administrative practice assistance each year. DCEO would also continue to operate its codes interpretation hotline and email service to ensure consistency in interpreting and understanding of the applicable code.</li> <li>• <b>Energy Code Training.</b> The energy code trainings provided by DCEO will continue to be offered as part of this program. DCEO currently provides energy code training to approximately 1,000 people per year. DCEO and the IOU's will also identify problem areas of code compliance and will offer specialized training to address these areas.</li> <li>• <b>Third-Party Program.</b> A widespread market limitation is the availability of resources to perform municipal code inspections and approvals. A third party plan review and inspection program aims to train a robust, geographically diverse supply of individuals capable of providing energy code plan review and inspections services as a supplement to the existing code enforcement infrastructure. Third parties can reduce the burden on code officials with respect to enforcing the energy code. DCEO currently has a residential pilot program training and implementing this concept across Illinois' IOU territories which will allow DCEO and the utilities to partner in the delivery of the 3rd party system in the next and upcoming program years.</li> <li>• <b>Equipment Leasing.</b> Blower-door infiltration testing is a new requirement under the residential portion of the 2012 Illinois Energy Conservation Code. A market barrier is anticipated to be the lack of qualified blower-door testing service providers due to the up-front cost of acquiring the necessary equipment. Under this program, diagnostic equipment such as blower doors and duct leakage testers can be affordably leased by an appropriate party.</li> </ul>

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**Program Name****Illinois Codes Collaborative (2014 through 2017)**

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**Phase II Program (in addition to the continuation of the above):**

- **Advanced Training.** These are a series of tightly-focused advanced training sessions for participants in the construction process, from architects and engineers to plan reviewers to builders to inspectors. These trainings will include Role Based Training, Sector Based Training and Topic Based Training. These trainings will be conducted throughout the state and will be provided at a minimal cost to participants. Both DCEO & IOU's can provide this training.
- **Tools and Materials.** The development of tools and materials such as fact sheets, checklists and guides will complement and support all the other code enhancement work being done as part of this program. Although these materials are initially being developed by the 3rd Party Pilot Program, it will be expanded.
- **Third-Party Program.** The Third-Party program described in Phase I will be expanded to cover the entire state, incorporating lessons learned from the Phase I pilot.
- **Jurisdictional Assistance.** The Jurisdictional Assistance program described in Phase I will be expanded and lessons learned in Phase I will be incorporated into the program.

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<b>Eligible Customers</b>	This program will serve occupants of newly constructed, expanded or renovated commercial buildings and homes by 1) targeting homebuilders, commercial contractors, design professionals and code officials to promote increased compliance with the energy code and 2) providing support to the existing code enforcement infrastructure.									
<b>Eligible Measures</b>	<p>The 2012 Illinois Energy Conservation Code requires upgrades from previous codes in lighting (interior and exterior), building shell construction, and heating and cooling equipment performance. These measures are modeled as lower lighting use, lower cooling and fan consumption (electric), and lower heating and service water consumption (gas). Their savings and costs are aggregated at the building level and shown below. These costs and savings have been used for planning purposes, but the Program Administrators reserve the right to revise eligible measures and costs as needed in accordance with current market conditions, technology development, EM&amp;V results, the joint program operation with other Illinois Administrators, and implementation experience.</p> <table border="1"> <thead> <tr> <th>Measure</th> <th>Incremental Measure Cost</th> <th>Gross Annual Savings</th> </tr> </thead> <tbody> <tr> <td>Residential</td> <td>\$1,906 per Home</td> <td>3.02 GWh + 546,851 therms</td> </tr> <tr> <td>Commercial</td> <td>\$1.11 per Sq. Ft.</td> <td>9.57 GWh + 531,251 therms</td> </tr> </tbody> </table>	Measure	Incremental Measure Cost	Gross Annual Savings	Residential	\$1,906 per Home	3.02 GWh + 546,851 therms	Commercial	\$1.11 per Sq. Ft.	9.57 GWh + 531,251 therms
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<b>Marketing Strategy</b>	<p><u>Strategy</u></p> <p>The Illinois Codes Collaborative marketing strategy will focus on improving the market's ability to cost-effectively comply with the 2012 Illinois Energy Conservation Code. This strategy will primarily focus on key decision-makers such as: municipal code officials, home builders, architects/engineers, commercial contractors, and material suppliers. The marketing effort will seek to partner with state and local builder associations, design professional associations, lenders, and realtor and appraiser groups.</p> <p><u>Key messages</u></p> <ul style="list-style-type: none"> <li>• Complying with the energy code is good business.</li> <li>• Improve the value of your building or home by ensuring compliance with the 2012 Illinois Energy Conservation Code.</li> </ul> <p>(Municipal Code Officials) Take advantage of these newly available resources to ensure code-compliant construction.</p>									

<b>Program Name</b>	<b>Illinois Codes Collaborative (2014 through 2017)</b>															
<b>Program Risk Assessment / Mitigation Plan</b>	<p>This program is proposed initially as a portfolio research project. There are two primary risks. While DCEO has previously managed a codes compliance program, the program proposed here is an entirely new effort in terms of scope and market influence sought. Some of the proposed program elements are untried in Illinois and some learning and adjustment is expected as market experience is accumulated and evaluations are conducted.</p> <p>Second, this program is proposed as a state-wide joint effort. The management processes to ensure the ability to restructure and redirect the program based on experience in the market across all jurisdictions have not yet been developed. It is expected that the program will be either be managed as a state-wide coordinated (but independently managed) program or as a joint program. There is some risk to the program before these processes can be demonstrated to be effective.</p> <p>It is expected that the program implementation will be pursued in two phases – an initial phase designed to test and refine key elements of the program and its management; and a second phase to scale up a program redesigned around the lessons of the initial phase.</p>															
<b>Milestones</b>	<ul style="list-style-type: none"> <li>• <b>February 2014:</b> Commission approval</li> <li>• <b>March-May:</b> Final program design and protocol development</li> <li>• <b>June 2014:</b> Building Codes Training Program launch (for 2014 through 2017)</li> </ul>															
<b>Estimated Participation</b>	<p>The following participation levels have been used for planning purposes. However, the Program Administrators reserve the right to adjust anticipated participation levels as necessary in accordance with current market conditions, EM&amp;V results, and program implementation experience.</p> <table border="1" data-bbox="495 1176 1417 1335"> <thead> <tr> <th>No. of Participants</th> <th>PY7</th> <th>PY8</th> <th>PY9</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>Residential (Number of Homes)</td> <td>1,500</td> <td>3,000</td> <td>4,500</td> <td>9,000</td> </tr> <tr> <td>Commercial (Square Feet)</td> <td>1,695,000</td> <td>3,390,000</td> <td>5,085,000</td> <td>10,170,000</td> </tr> </tbody> </table>	No. of Participants	PY7	PY8	PY9	TOTAL	Residential (Number of Homes)	1,500	3,000	4,500	9,000	Commercial (Square Feet)	1,695,000	3,390,000	5,085,000	10,170,000
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**Estimated Budget**

The following budget has been used for planning purposes. However, the Program Administrators reserve the right to adjust program budgets as necessary in accordance with current market conditions, EM&V results, and program implementation experience. Initial budget levels are set based on tentative estimates of response and participation by critical stakeholders and uncertainty over market impact. First year budget estimates include Phase I (PY7) expenses in preparation for a PY8 full program launch.

**Numbers are statewide unless otherwise noted**

	PY7	PY8	PY9	Total
Administration	\$1,542,600	\$1,680,100	\$1,965,200	\$5,187,900
Implementation	\$1,120,625	\$2,070,000	\$2,818,750	\$6,009,375
Incentives	-	-	-	-
Marketing & Other	-	-	-	-
<b>Total Program</b>	<b>\$2,663,225</b>	<b>\$3,750,100</b>	<b>\$4,783,950</b>	<b>\$11,197,275</b>
<b>DCEO Share (25%)</b>	<b>\$665,806</b>	<b>\$937,525</b>	<b>\$1,195,988</b>	<b>\$2,799,319</b>

**Savings Targets**

**Numbers are gross statewide unless otherwise noted**

	PY7	PY8	PY9	Total
MWh savings	6,293	12,586	18,879	37,758
Therm Savings	539,051	1,078,102	1,617,153	3,232,306
DCEO MWh savings	1,573	3,146	4,719	9,438
DCEO Therm Savings	134,762	269,525	404,288	808,575

**Other Program Metrics**

**TRC (Statewide): 4.06 (without NEBS) – 4.47 (with NEBS)**