

Energy Efficiency and Conservation – Working Group Meeting #5

June 21, 2016; 2:00 pm – 5:00 pm

Meeting Summary

I. Meeting Objectives

- To **finalize development of draft objectives and strategies** for recommendation to the energy plan leadership team.

II. Development of Objectives and Strategies

During the meeting working group members participated in a facilitated exercise to continue refining the objectives and strategy recommendations that were first developed during the fourth working group meeting. The working group members completed, consolidated, and to some extent prioritized the objectives and strategies, under the “Energy Efficiency and Conservation” pillar.

Attached is a summary of the draft objectives and strategies that were discussed during the session. The draft reflects the input provided by working group members. This input will be compiled with other stakeholder input received, and previous data analysis completed to finalize the recommendations that will be analyzed for economic and environmental inputs.

The summary does NOT represent the final recommendations that will be included in the energy plan.

III. Comments and Questions Received from the Public

- N/A

TOPIC AREA: EDUCATION AND AWARENESS

Objective		Strategy	Priority
I. Increase energy efficiency awareness and education across all market sectors.	1.1	Support and extend IEDA's B3 Public Building Benchmarking Database by providing long-term additional monetary or administrative resources for public facilities to enter and maintain facility data.	1
	1.2	Require that all public buildings that utilize state funding for their facilities benchmark energy use through the B3 program or ENERGY STAR, and make the information publically available.	1
	1.3	Develop a marketing campaign implemented by IEDA to promote what the state has done so far with and to encourage further energy efficiency.	2
	1.4	Identify opportunities for utility and state program cross promotion.	2

TOPIC AREA: RESIDENTIAL BUILDINGS

Objective		Strategy	Priority
II. Reduce the energy consumption of residential buildings.	2.1	Target homes that have a high level of energy use per square foot.	2
	2.2	Provide incentives for geothermal heat pump installations.	2
	2.3	Establish a home energy score program.	2
	2.4	Train and certify contractors on high performance home energy retrofit practices.	2
	2.5	Establish low-interest loans for residential home builders that incorporate energy efficiency improvements.	3
	2.6	Examine opportunities for energy efficiency when propane is the primary heating source.	2
	2.7	Enact a policy requiring energy information disclosure during real estate transactions for renters or buyers of residential or commercial buildings that includes 18-month usage history.	2
	2.8	Increase the funds available for residential energy assessment and planning.	3
	2.9	Sponsor a community energy competition.	2
	2.10	Factor energy cost into loan-making process (mortgages).	3

TOPIC AREA: LOW INCOME CUSTOMERS

Objective		Strategy	Priority
III. Expand energy efficiency opportunities for low-income utility customers.	3.1	Provide state funds to include energy efficiency education as a component to low income assistance programs.	2
	3.2	Explore opportunities for public/private partnerships and fund leveraging to increase the available amount of Low-Income Weatherization funding.	2
	3.3	Create funding mechanisms for energy efficiency upgrades for rural/low income housing stock.	2

TOPIC AREA: COMMERCIAL/INDUSTRIAL BUILDINGS

Objective		Strategy	Priority
IV. Reduce the energy consumption of commercial and industrial buildings.	4.1	Provide information and resources to assist companies who want to pursue ISO 50001 EMS certification.	1
	4.2	Explore the establishment of a statewide program that promotes changes in behavior to reduce energy usage at commercial buildings (similar to Live Healthy Iowa).	1
	4.3	Pilot pay for performance incentives programs for energy efficiency improvements.	2
	4.4	Promote the installation of advanced submetering technologies at commercial and industrial buildings through education and informational materials provided by the IEDA.	2
	4.5	Mandate that state buildings reduce their combined energy use by X% by X date as a means of leading by example.	2
	4.6	Adopt any necessary legislation to allow for performance contracting as a means to fund energy efficiency improvements in public building.	1
	4.7	Adjust the code for Iowa Green Streets for green/brownfield programs to make it applicable for other uses that include energy efficiency.	1
	4.8	Clearly provide schools the authority through legislation to choose where to reinvest dollars saved with energy efficiency and renewable energy projects and enable schools to pay for energy efficiency improvements through the savings that are achieved.	2
	4.9	Establish common, statewide utility energy efficiency programs for schools.	3

TOPIC AREA: BUILDING CODES

Objective		Strategy	Priority
V. Increase compliance with Iowa's Energy Code.	5.1	Provide monetary support for long-term, ongoing energy code education and training for local inspectors coordinated by IEDA. This strategy could be funded by state building permit fee.	1
	5.2	Utilize utility funds to support code compliance.	2
	5.3	Support Energy Code compliance as a baseline for energy efficiency programs.	2
	5.4	Continue to participate in the stakeholder committee that currently evaluates code adoption.	2
	5.5	Implement strategies to bring existing buildings to most recent code.	3
	5.6	Increase new construction code compliance.	1

TOPIC AREA: ACCESS TO CAPITAL

Objective		Strategy	Priority
VI. Improve access to capital for energy efficiency improvements across all market sectors in Iowa.	6.1	Remove limitations for state treasurer office from 6 years and expand to 15 years.	2
	6.2	Establish on bill financing opportunities for all Iowa utility customers.	3
	6.3	Enact PACE financing legislation in Iowa.	3
	6.4	Identify uses for the existing and underutilized Qualified Energy Conservation Bonds (QECB) program.	2
	6.5	Examine the use of Clean Water State Revolving Fund as a credit enhancement tool for energy efficiency and renewable energy funding. (see NYSEERDA Energy Efficiency Bond - http://www.cleaneenergy.org/ce-bfi-examines-innovative-nyserda-energy-efficiency-bond-deal/)	3

TOPIC AREA: ENERGY PROGRAMS

Objective		Strategy	Priority
VII. Expand the availability of energy efficiency and demand response programs to Iowa's electric and natural gas utility customers.	7.1	Increase energy efficiency requirements for Iowa's utilities.	3
	7.2	Provide incentives to utility providers (including RECs and municipals) for exceeding energy use savings requirements.	2
	7.3	Appropriate a portion of rate-payer program funds to promote opportunities to improve energy system design, provide technical assistance, conduct research on new policies and programs that could be introduced in the state and assess the economic impact of these strategies, drive the code compliance of new construction and support efforts to reach beyond code.	3
	7.4	Evaluate all current programs and focus resources on those initiatives that have the greatest impact.	2
	7.5	Switch utility pricing to time of day rate structure.	3
	7.6	Ensure all energy efficiency programs, or enhancements to programs, continue to be cost effective for Iowans and complement efforts to retain, grow, and attract business to Iowa.	2
	7.7	Identify various technologies and strategies to mitigate peaks, including solar PV (with various orientations), demand response, combined heat and power, energy efficiency, hydro, and wind.	2
	7.8	Allocate a portion of existing efficiency energy funding programs from utilities to a third party for the development and implementation of statewide technical assistance programs.	3

Objective		Strategy	Priority
VIII. Empower communities to adopt energy conservation, energy efficiency and renewable energy technologies and practices for their homes, businesses and local institutions through new energy programs.	10.1	Model the Minnesota Clean Energy Resource Teams approach, delivered through the university extension program (http://www.cleanenergyresourceteams.org/about).	2
	10.2	Recognize communities that make a commitment to energy conservation and efficiency, similar to the Energize Connecticut Clean Energy Communities Program (http://www.energizect.com/your-town/solutions-list/clean-energy-communities).	2