

SUSTAINABLE DECATUR

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Energy- Working Group Meeting Notes

May 19, 2010

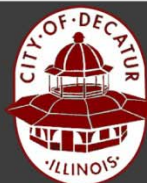
Goal 1: Decatur will be conscious of building energy usage and utilize all technologies and techniques to increase efficiency:

Energy Efficiency in Buildings Baseline Indicators			
Baseline Indicator	2010 Baseline		2020 Goal
Residential avg consumption per account	845 therms	8,335 kWh	
Commercial avg consumption per account	3,919 therms	78,073 kWh	
Industrial avg consumption per account	1,082,105 therms	102,541,430 kWh	
Energy Use Intensity (EUI) for each municipal-owned building	(varied)		
2030 Energy Forecast, avg, Res'l account	785 therms	9,668 kWh	
2030 Energy Forecast, avg, Com'l account	4,452 therms	106,416 kWh	
2030 Energy Forecast, avg, Ind'l account	1,141,537 therms	121,384,429 kWh	

Note: All data is 2009

- Strategies and Project Ideas-Education:
 - Energy efficiency campaign/education that explains how it benefits me, targeting residential and small business sectors; developing a role for K-12.
 - PROJECT IDEAS:
 - Partnership between city/schools/Ameren to develop educational program
 - Promote Power Smart Pricing (City/Ameren)
 - Illinois Community Colleges Sustainability Network establishes training center, involve other partners to lead workshops/seminars (schools/Ameren/City/etc...)
 - Institute/encourage behavioral change as “a way of life/doing business” individually and collectively
 - PROJECT IDEAS:
 - Energy Efficiency kit (Partners: City/Ameren/local hardware stores?)
 - Public Service announcements on cable access channel
 - Establish method for regular data collection and analysis by city to measure ongoing sustainability efforts.
 - PROJECT IDEA:
 - Data Clearinghouse (Partners: City/Ameren/IDOT/etc...)

Department of Planning & Building Services
One Gary K. Anderson Plaza
Decatur, Illinois 62523
e: sustainability@decaturil.gov
p: 217.424.2778



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- Strategies and Project Ideas-Technology:
 - (City of Decatur) Develop and share energy efficiency guidelines for procurement policies (e.g. purchase of office equipment).
 - PROJECT IDEA:
 - Develop green procurement policies (City) (NOTE: The working group stressed the importance of the City sharing these guidelines with businesses and the community to spread the knowledge)
 - (City of Decatur) Develop and share energy efficiency guidelines for standard staff operating procedures (e.g. turning off computers and monitors).
 - PROJECT IDEA:
 - Develop operating procedures (City) (Same note as above about sharing results and knowledge.)
 - (City of Decatur) Develop and share learning opportunities for all building and grounds maintenance supervisory staff, at minimum
 - PROJECT IDEA:
 - Offer training to city maintenance staff and other businesses/industries (Possibly expand using Illinois Community Colleges Sustainability Network and their program ideas...)
 - NEW STRATEGY ADDITION: (City of Decatur) Engage and remain informed on smart grid technologies (Potential partners: Ameren/Illinois Commerce Commission)
 - PROJECT IDEAS:
 - Engage in dialogue; city should be involved (or get involved) in these discussions that are already happening
 - Pilot program when available
- Strategies and Project Ideas-Incentives:
 - Consider retrofit program for residential and commercial sectors and identify options for financing them.
 - Consider energy assessments or energy audit program for all sectors and identify options for providing assistance in the implementation of energy efficiency strategies (e.g. revolving loan fund; identify grant monies; etc...). (Note: Working group felt that ALL sectors should get audits or at the least, basic energy assessments; the original strategy specifically mentioned only the industrial sector)
 - PROJECT IDEAS:
 - Set up a panel to investigate different potential funding sources (Potential partners: Local banks/City/Ameren/others...)
 - Building commissioning project (Potential Partner: Ameren Act on Energy)
 - Obtain energy audits for all public buildings and implement energy efficiency strategies.
 - Promote and incentivize green building programs (including but not limited to IECC 2009, IGCC code standards) (Note: Working Group swapped out “promote and incentivize” for the word “consider.” They also eliminated energy code strategy and mentioned it in here instead. They fear the “stick” approach and much rather prefer the “carrot” approach of an incentivized voluntary program instead. Its removal seemed to be the consent of the entire group, or at least the majority.)
 - PROJECT IDEAS:
 - Permit fee reductions (City/builders)
 - Promote educational component about green building benefits

- Residential sector rehab with green building attributes

Goal 2: Decatur will reduce total and average household Vehicle Miles Traveled.

Transportation Baseline Indicators		
Baseline Indicator	2010 Baseline	2020 Goal
Vehicle Miles Traveled (VMT) traveled (total/HH)	15,118	
Total ridership per population	9.7 rides per population	
% of population within 3/4 mile of bus route	80.0%	
% of employment within 3/4 mile of route	76.0%	
% of streets with sidewalks	37.8%	
% of streets with sidewalks in residential areas	39.29%	
Gallons used for City vehicle fleets	185,209 Unleaded Gallons 91,341 Diesel Gallons 1,002 Ethanol Gallons	
% of fuel use by City vehicle fleets	66.7 % Unleaded 32.9 % Diesel 0.36 % Ethanol	
Total fuel usage within Decatur		

- Strategies and Project Ideas:
 - Promote increased transit usage
 - PROJECT IDEAS (Note: this was a long discussion and it kind of got into that “what comes first, the chicken or the egg”):
 - Increase school ridership with reduced pass for college-age students
 - Investigate correlation between expanded service hours and increased ridership (or reduced night schedule or other options)
 - Seek solutions for providing transportation to outlying residential areas.
 - Improve walkability by requiring sidewalks (using a connectivity index) along all newly constructed residential and commercial streets. (NOTE: I tried to speed discussion along by suggesting this would be covered by the Land group, but they were adamant in discussing sidewalks.)
 - PROJECT IDEA:
 - Improve maintenance and conditions of existing sidewalks (City)
 - Improve walkability by working with neighborhood organizations to install sidewalks within residential areas that do not currently have sidewalks.
 - PROJECT IDEA:
 - Add curb cuts/ramps (accessibility) (NOTE: Transit representative explicitly said that they get this complaint a lot from wheelchair riders not having access to sidewalks when getting off buses.)
 - Promote mixed use development versus single use development.
 - Increase bicycling through on-street safety enhancements, secure bicycle racks/parking at public transit locations, secure bicycle racks/parking in commercial hubs, bicycle education, and bike/transit program. (Potential Partner: Decatur Park District)

- PROJECT IDEAS (Note: There was lengthy discussion about how people would bike more if they felt safe and there were adequate lanes and proper etiquette from drivers-they didn't use those words exactly; they did change the wording of the strategy slightly.):
 - Bike Ride challenge, bike to work week challenge
 - Share the road program
 - Identify bike safety zones
 - Improve fleet efficiency with fleet purchasing requirement.
 - New Strategy Addition: Encourage carpooling (Note: The working group added this strategy when we were already over time for our session. They said it warrants further discussion.)

Goal 3: Decatur will investigate and utilize renewable energy opportunities, when available and cost effective, to reduce the consumption of fossil fuels

Renewable Energy Baseline Indicators		
Baseline Indicator	2010 Baseline	2020 Goal
% of "clean energy" technologies utilized by Ameren Utilities	TBD	
Ameren Utilities renewable energy portfolio	TBD	
Existing renewable energy technologies employed	TBD	
# of acres of sustainable production if bioenergy	TBD	

- Strategies and Project Ideas:
 - Review current city ordinance and policy to ensure it supports renewable energy, not hinder it.
 - Identify opportunities at individual and large scale levels.
 - Research Ameren Industries renewable energy portfolio requirements
 - Review and leverage potential program funding from utilities and government. (NOTE: changed wording)
 - New Strategy Addition: Develop information clearinghouse for renewable energy at household/small business level.