

CITY OF LAKE SAINT LOUIS
GREEN ENVIRONMENTAL ADVISORY COMMITTEE
MEETING MINUTES
AUGUST 28, 2009

The meeting was called to order at 9:00 a.m. at Lake Saint Louis Civic Center Board Conference Room.

IN ATTENDANCE:

Chairman Scott Ellis, Vice Chairman Ed Young, Keith Stone, Jane Wilson, Alderman John Pellerito, Alderman Charlotte Norton, Steve Schertel Director of Community Development, and Brenda Cueller, acting as recording secretary. Absent: Committee Member Ben Hanewinkel.

CALL TO ORDER:

Chairman Ellis called the meeting to order and introduced three speakers for the meeting: Michael Deane, Project Manager with M+H Architects, Derek Koestel, Lake Saint Louis Director of Public Works, and Bart Alspaugh, Lake Saint Louis Commercial Inspector.

MINUTES: July 31, 2009

MOTION TO APPROVE MINUTES:

Vice Chairman Ed Young made a motion to approve the July 31, 2009 Green Environmental Advisory Committee meeting minutes. The motion was seconded by Jane Wilson and unanimously approved.

THE MINUTES FROM THE JULY 31, 2009 GREEN ENVIRONMENTAL ADVISORY COMMITTEE MEETING ARE HEREBY APPROVED, AS NOTED ABOVE.

GENERAL DISCUSSIONS:

CARBON EMISSIONS

Chairman Ellis gave a brief summary of where the Committee was regarding City Hall's building efficiency carbon emissions footprint. Steve Schertel, Director of Community Development, stated that M+H Architects were the architects for the City Hall building and Mike Deane was the principal designer. Mr. Schertel said the building was built in 2004 and Mike Deane was present to answer any questions regarding the design of the building. Derek Koestel, Director of Public Works is also present to answer any questions regarding the operation of the building.

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Mike Deane, Project Manager with M+H Architects, stated the City Hall building is 3 buildings in one (Police, lobby and council chamber area, and City staff office area). Mr. Deane stated the City Hall building was completed in 2004 and was built as a long-term building. Mr. Deane discussed the system components noting that they were mid to upper line. There is a very efficient boiler, zoned air handler, and digital control system. Lighting in the bathrooms has occupancy sensors. Mr. Deane stated City Hall was a balance between commercial and residential regarding the building's perimeter wall and roof.

Bart Alspaugh, Lake Saint Louis Commercial Inspector, stated the "target finder" component of the Energy Star web site's energy and carbon emissions calculator is a conceptual design module. Mr. Alspaugh said a better component is the "portfolio manager" of Energy Star. Mr. Alspaugh stated his findings when utilizing Energy Star portfolio manager. Mr. Alspaugh said the baseline rating is 42 and the current rating is 36. These values compare to the 12 rating presented last time. Mr. Alspaugh discussed the information inputted into the portfolio manager. Mr. Alspaugh stated Alderman Pellerito wanted to see what improvements could be made to improve the City building's rating.

Derek Koestel, Lake Saint Louis Director of Public Works, discussed how the cooling and heating systems operate in the building. Mr. Koestel said that the attic is very hot during the summer and that maybe more insulation is needed. He expressed concern about changing the thermostat set points too much and too often.

The Committee discussed what changes could be made in the operation of the building to increase the Energy Star performance rating. Among items discussed included more insulation in the attic, checking the actual set points on the thermostats with the systems control company, upgrading light switches, look into council chamber and conference room use pattern and control system, look into light controls in copy room, break room, and similar low use areas.

FEDERAL STIMULUS BLOCK GRANT

Alderman Pellerito updated the Committee regarding the application date for submitting the Federal Stimulus Block Grant. Alderman Pellerito stated Bill Warner will guide Paul Markworth and him on how to apply and the activities others have applied for. The focus will probably be on building energy efficiencies. Alderman Pellerito said there is no set date at this time to apply for the grant.

RECYCLING

Chairman Ellis stated Bridget Geiss, Marketing Director with The Meadows Shopping Center, agreed to allow an electronics and appliance drop-off recycling event to be held

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at their site for households and businesses. Chairman Ellis said Web Innovations and Technology Services (WITS), which recycles a variety of items, will be in the parking lot at The Meadows on Saturday, October 17 located by the fountain. Chairman Ellis said that he will work on obtaining volunteers in helping unload items from people's cars. The Committee discussed utilizing a forklift from Cuivre River Electric and obtaining snacks for the volunteers.

To Do List:

- Develop Committee website
- Measure a carbon footprint for City Hall using professional and/or simple models for measuring emissions.
- Develop recommendations for City Hall operation and staff activities to reduce energy use and carbon emissions.
- Expand this analysis for other Lake Saint Louis buildings and households.
- Inform and educate the community through the website and articles in Newstime and The Happenings.
- Help to conserve green space, trees, and bike paths in the community.
- Amend ordinance regarding landscaping plans to encourage use of native plants.
- Consider stormwater management plan and other water quality issues.
- Inform residents regarding utilization of pesticides and fertilizers on their lawn.
- Assist City staff in application for the Energy Efficiency and Conservation Block Grant.
- Learn about City ordinances and building codes that promote energy efficiency and "green" living.
- Promote more participation in recycling in City.
- Investigate special appliance and electronics recycling programs.
- Promote greater use by the City and individuals of compact fluorescent lights (CFL).
- Establish a safe disposal location for CFL's.
- Investigate reuse of yard wastes collected in the City.
- Place home kwh measuring devices in local libraries.

LONG-TERM ACTION PLAN:

- Make a plan on how to measure greenhouse gas emissions (carbon footprint) for City.
- Analyze energy inputs to arrive at Lake Saint Louis City Hall carbon footprint.
- Report recommendations for saving energy and lowering greenhouse gas emissions to the Board of Aldermen.
- Provide other "green" recommendations to the Board of Aldermen, including recycling program, green space preservation, transportation choices, and enhanced water quality practices.

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- Establish long-term practices for education of citizens for green/sustainable living.

NEXT MEETING:

Friday, September 25, 2009 at 9:00 a.m. at Lake Saint Louis Civic Center Board Conference Room.

AGENDA:

1. Continue discussion of energy utilization of City Hall. Begin a written list of recommendations raising the Energy Star Performance Rating of the building. Divide recommendations into no cost, low cost, and high cost options.
2. Update on Block Grant application.
3. Update on drop-off electronics and appliance recycling event (October 17).
4. Description of storm water run-off concerns in Lake Saint Louis.

ADJOURNMENT:

The meeting adjourned at approximately 10:20 a.m.

Approved

Brenda Cueller
Serving as recording secretary of the meeting