MINUTES

ENERGY AND RESOURCE MANAGEMENT COMMITTEE

April 16, 2008

CALL TO ORDER: Chairman McNelly called the meeting to order at 7:30 a.m.

MEMBERS PRESENT: Committee Members Adamson, Avera, Brassett, Lucero,

McNelly, Mitchell, and Twineham

MEMBERS ABSENT: McCormack, Roberts

PUBLIC PRESENT: Pete Saputo and Chuck Buck

STAFF PRESENT: Bob Savage, Director Maintenance Services, Senior Planner

Allen, and Clerical Support Norton

APPROVAL OF MINUTES: Minutes of March 19, 2008 approved as amended

Item a under <u>Action Items</u> was postponed until Items c and d under <u>New Business</u> is heard.

INTRODUCTIONS/ROLL CALL:

Visitors welcomed

DISCUSSION ITEMS

New Business:

c) Report on City's Energy Conservation Programs – Bob Savage, Director Maintenance Services

Savage – The City has already done a lot over the years to conserve energy. The following is a list shows what has already been done throughout the City:

- Lights All incandescent lighting has been converted from T12 to T8 compact fluorescent
- Boilers Replaced at City Hall, Main Library, and the Police Department
- Air Conditioning Units Replaced two units, one in the Council Chambers and one in City Hall, Senior Center, and the Police Department. Replaced compressors/condensers at the Hunt Branch Library. Replaced recessed lighting with low light compact fluorescents

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- Traffic signals All replaced with red/green LEDs
- Installed at City Hall, vane/dual duct air conditioning electronic control speed drives; digitally controlled from Maintenance Services for temperature and volume flow control
- Spring timers and/or heat sensors were placed on air conditioning systems in lowload rooms throughout the City
- Skylights Basque yard in the equipment shop
- Ball field lights are now on spring timers and key locks

Our department has looked at variable frequency drives for well pumping systems. In many cases it does not work well if you have an 85% run time rate or higher. There is no opportunity for savings; however staff will look at this again. Staff is studying inductive lighting in some areas. Looking at LED lighting where applicable; evaluated solar thermal and solar electrical and at this point they are no better than break even. Mr. Savage said he would not support any program that does not make business sense for the City.

Questions from Committee Members

Avera – Does the City have any cooling towers?

Mitchell – Inquired about vehicles?

Lucero – said he would like to see an annual audit, and asked if Mr. Savage has quantified the savings in BTUs per hour so that the City can show a savings?

Savage – Answered the quested posed by Committee Members by saying -- yes, the City does have cooling towers, but they have not been changed over to a newer style. Vehicle technology has not yet been perfected for heavy-duty everyday use. Mr. Savage mentioned that he would be attending an alternative fuel vehicle conference in Las Vegas next month to learn more about how far along the technology is.

Tracking for audit savings -- there was a program some time back that by spending the capital money for upgrades the program guaranteed a savings payback. The project paid back in three years. He did not see the need to track after that. Staff does look yearly at every electrical bill and verify usage; secondly we do a schedule application comparison depending on the type of amperage draw at peak times and what it is used for. Mr. Savage stated Southern California Edison did the last audit some time in the 90s. He feels that his staff is competent in evaluating and recommending any changes necessary; and does not see the value of doing an annual energy audit.

Staff is currently looking at the operating hours of air conditioning and lights. The City can save 50 plus hours per year by changing the time that we allow air conditioners and lights to come on.

Adamson - Maintenance has done a tremendous job and he does not see the necessity of

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preparing an annual audit.

Avera – agreed that an annual audit would not be efficient.

McNelly – asked if the City Manager or the City Council has asked staff to do anything more in relationship to audits. There are changes going on that may impact how we do business in the future.

Savage – the Planning Department is looking at criteria for green buildings. He has had no direction from the City Council. As part of being the Director of Maintenance Services he is expected to be the energy czar for the City. He spends the City's money wisely and complies with Federal and State regulations that are mandated and as they apply.

McNelly – Is there anything similar right now at the state level in relationship to energy that has the equivalent impact on doing business that the state-wide waste water requirements has. The Committee is interested in knowing about any changes on the state-wide level.

Savage – stated not that he is aware of. He has been reading the document on the State's Alternative Fuel's Plan. That is the one thing that may have an impact.

d) Report on City's compliance with Waste Discharge Requirements and update on sewer videoing and laterals

Savage – Advised that he received a letter of compliance for the full state SSMP from Region 8. There are several areas that he would like to look at and improve in the plan. The Sewer System Master Plan was done in 1974-1975 and written in Fortran (formula translation), however, the plan did meet the state requirement for having a Master Plan. Mr. Savage is planning to have an expert come in to redo the plan in modern language using GIS. The SSMP, Capital and FOG Programs will also be evaluated for improvement.

Currently the cost for maintenance and operations is \$2 million, and roughly \$6 million on Capital improvements.

Sewer lines – last year the City had only 5 sewer system overflows. The problems are tree roots, plastic and disposal. Plastic does not dissolve. The City is on an eighteen month to three-year cleaning cycle. The goal for this fiscal year is to clean 190 miles of sewer; as of the end of March, 178.5 miles of sewer were cleaned. The annual production goal with a two man crew is 360 thousand linear feet of sewer. The video program CCTV is doing well.

Capital Replacement Program - Six projects in design estimated cost \$6.2 million, completed 5 at \$6.9 million, projects totally completed at \$5.5 million, with additional repairs at \$80,000.

Sewer Lateral Maintenance Program – At the point of connection from house or business to sewer, is the responsibility of the property owner. However, the City does have an Assistance Program if a city street tree is causing root intrusion. Currently there are 1,200 people on the program. The program is broken down by frequency. The City has two illegal connections that are in violation.

Old Business

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None

ACTION ITEMS

a) Discuss latest modifications to Emergency Water Conservation Plan and determine process for review

Allen – the Committee can decide today to review the latest changes to the plan as a full committee, as a sub-committee or review individually between now and next meeting.

It was the consensus of Committee Members to review the plan individually.

COMMITTEE/STAFF COMMENTS:

Avera – commented that the public is not aware of all that the Maintenance Department has done in the way of conserving energy for the City and commended Mr. Savage.

Mitchell – said that although Fullerton has done a lot toward conserving energy the City is not a leader in their conservation efforts, and is not pro active. There is much more work to be done.

She asked what the planting standards are for the City, and if there are any requirements that specify planting drought tolerant or native plants. She noticed some of the newer projects had not planted native or drought tolerant plants, but those that require sprinklers.

Allen – Stated that Dennis Quinlivan is the Landscape Superintendent for the City, and she would ask him to speak at one of our meetings.

Saputo – Spoke to water issues that should already be implemented. The City should be pro-active implementing water conservation by encouraging planting plants that are drought tolerant. We should also go after the people who contaminated our wells and make them do a clean up.

Allen – The report and recommendation by the sub-committee Study Session for the U.S. Mayors' Climate Protection Agreement would be presented at the May 21st meeting.

Adamson – requested a pre-look at the report.

McNelly – noted that there are five cities (Newport Beach, Costa Mesa Sanitary District, Fullerton, Huntington Beach, Santa Ana, and the that have sewer lateral maintenance assistance.

Allen – Advised that the Compost Awareness Week proclamation would be going to Council on May 6, and the Green Scene would be at the arboretum this weekend.

ADJOURNMENT:

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With no further business the meeting was ADJOURNED AT: 8:45 a.m.
Beverly Norton, Clerical Support