



Las Vegas

Agenda Item No.: 65.

AGENDA SUMMARY PAGE
CITY COUNCIL MEETING OF: JULY 15, 2009

DEPARTMENT: PLANNING AND DEVELOPMENT

DIRECTOR: M. MARGO WHEELER

☐ Consent ☒ Discussion

SUBJECT:

BEYANT ITEM - Report and possible action regarding the implementation of the Sustainable Energy Strategy

Fiscal Impact:

☐

No Impact

☐ Augmentation Required

☐

Budget Funds Available

Amount:

Funding Source:

Dept./Division:

PURPOSE/BACKGROUND:

Staff will report on the status of implementation of the City of Las Vegas Sustainable Energy Strategy (R-56-2008), as well as discuss use of American Recovery and Reinvestment Act (ARRA) and Green Building Special Revenue Fund to achieve the goals of the strategy.

RECOMMENDATION:

Accept report and direct staff accordingly.

BACKUP DOCUMENTATION:

1. Sustainable Energy Strategy Implementation Matrix
2. Submitted after Final Agenda PowerPoint Presentation by Staff

Motion made by GARY REESE to Accept the report

Passed For: 0; Against: 0; Abstain: 0; Did Not Vote: 0; Excused: 0

None; (Against-None); (Abstain-None); (Did Not Vote-None); (Excused-None)

Minutes:

Using a PowerPoint presentation which was submitted for the record, TOM PERRIGO, Deputy Director of Planning and Development, gave a report on the implementation of the City's sustainability strategy. The City is entitled to \$5.4 million dollars in energy efficiency and conservation block grants through American Recovery and Reinvestment Act of 2009 (ARRA). MR. PERRIGO noted that those monies have not yet been received. Those funds will be leveraged to complete approximately \$28 million in energy projects. The resulting energy savings should cover any debt costs and return approximately \$500,000 to the City. Additionally, by 2030, the City's energy demand would be reduced by 35 percent, 25 percent of the City's energy will come from renewable sources and the City's carbon footprint will be reduced by 40 percent.

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Part of the City's three-pronged strategy will be the Solar Facilities Program. Solar-covered parking structures will be installed at 17 facilities throughout the City and will cover 900 spaces. A solar power plant will be installed at the Water Pollution Control Facility which, when combined with other projects on the site, will allow 33 percent of the energy used by the facility to come from renewable sources. As part of the Facility Retrofits Program, an energy auditor will be evaluating City facilities. The results of that audit will be used to prioritize upgrades to reduce energy consumption. Streetlights account for 33 percent of the City's total energy consumption and the Exterior Lighting Upgrades Program will replace 18,000 streetlights with an expected payback period of less than seven years.

The City is partnering with NV Energy to finance rebates for energy audits and air conditioner tune-ups. In cooperation with Green Clips, the City will provide low-interest loans to homeowners for energy retrofits. Through the City's Green Building Program, developers and builders will receive incentives for constructing homes to Leadership in energy and Environmental Design (LEED) Southern Nevada Green Building Partnership (SNGBP) or NV Energy green standards. The City is also working with the University of Nevada, Las Vegas, (UNLV) to create a website to inform the public and promote the City's energy projects.

This funding will help expand the economy through the creation of jobs, primarily in trades, and the expansion of related industries. All of the City will benefit through increased sales and property tax revenue. The people and businesses who participate in these programs will see over \$13 million in energy savings over the next 15 years. Additionally, these efforts will maintain the City's position as a leader in sustainability.

MR. PERRIGO informed COUNCILMAN BARLOW that these programs would reduce the City's footprint by 45 percent by 2030, keeping the City on target for reversing the effects of climate change.

COUNCILMAN ROSS commended MR. PERRIGO'S hard work on the City's sustainability initiative. These efforts will help save energy and the environment and will also diversify the economy and develop new industries in the City. He encouraged staff to find more avenues to help homeowners and small business owners participate in these programs and expressed his support.

MR. PERRIGO noted that, according to the Nevada Development Authority, the largest solar companies in the world looking to locate in the US and the City's commitment to sustainability will help attract those companies. He also thanked the Springs Preserve and NV Energy for working in partnership with the City.

EDGAR PATINO, NV Energy, commended the City's commitment to sustainability and pointed out the City's efforts partner well with NV Energy's efforts. He also recognized LEO WANG, QUINN PARKER and KELLY VAGIANOS, NV Energy, who worked with MR. PERRIGO on this effort. JAY NICHOLS, Director of the Springs Preserve, thanked the Council for the opportunity to partner with the City on these projects. MAYOR GOODMAN thanked MR.

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PATINO and MR. NICHOLS for their participation.

In response to COUNCILMAN REESES question, MR. PERRIGO explained that the solar covered parking program at Stupak Center will reduce the power consumption and energy costs associated with that facility.

