# GKRLAND

## ARRA REPORTING FORM: OEQ



<ol> <li>Name: David Jacob</li> </ol>	1.	Name:	David	Jacob
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2. NAICS or NTEE – NPC code(s) for activities performed this reporting period:

C01, C02, C03, C05.02, C06.06, C06.02, C06.03, C06.07, J01, L03, L03.4 L06, S02.03, S02.03, S03.03, T03, T04, V03.02, W03, W08, W09.05

(A searchable code list is at: <a href="http://nccsdataweb.urban.org/PubApps/nteeSearch.php?qQry=all-core&codeType=NPC">http://nccsdataweb.urban.org/PubApps/nteeSearch.php?qQry=all-core&codeType=NPC</a>)

3. Reporting Period (check the appropriate one)

1 <sup>st</sup> Quarter (October – December)	2 <sup>nd</sup> Quarter (January – March)	X
3 <sup>rd</sup> Quarter (April – June)	4 <sup>th</sup> Quarter (July – September)	

- 4. Total Hours Worked: 277 ARRA Hours Worked: 31.5
- 5. A) Impact Metrics: **Renewal Energy meetings**: 14 meetings with waste to energy companies during quarter.

(Cost savings, GHG reduction, etc.)

B) Optional Metrics: **Committee meetings attended**: 12 during quarter. (Grants, market development, policy, workshops, standards, procurement)

6. Description of work/grant activities completed during this quarter.

During 2nd Quarter 2012 a total of 121 meeting were attended. Besides weekly staff meeting with the City Manager/Deputy CM other meeting included:

### RENEWABLE ENERGY

#### **ASHA**

ASHA project closed for consideration.

#### Powerstream

• Powerstream has developed a proposal for consideration and has forwarded during quarter to city officials.

#### **GRANTS**

- OEQ developed a grant application with SS2 for partnering on Water Smart grant during 2nd quarter and is awaiting word on funding.
- OEQ had another discussion with the Texas Railroad Commission for funding a propane project.
- OEQ discussed the receipt of a grant through NCTCOG for funding a propane project. During a previous quarter NCTCOG has placed the city on a waiting list. No decision was

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- made by NCTCOG to fund the project but appears there is interest on their part to continue discussions.
- Discussions with NCTCOG began in 1<sup>st</sup> quarter toward making application for a solid waste grant that is due in 2<sup>nd</sup> quarter 2012. NCTCOG did not notify the city in time for the grant to be submitted. The grant application had to have a resolution approved by Council as part of the application packet and notification was not received in time to complete the requirement.
- Level3 3 EVSE was installed and is operating. The device is considered to be the first UL certified Level 3EVSE operating in a municipal government the State of Texas.

## **PROJECTS**

- Preliminary discussion during quarter for installation of a 10MW solar project w/FRI Energy on a closed landfill in Garland. The project would be the first solar project located in the city's Clean Energy Park located in North Garland.
- Ongoing discussions with PowerStream toward a 10MW wastewater to energy project.
- Printer cartridge recycling project began city wide in 3<sup>rd</sup> quarter continues to receive recyclable goods. The goal is to coordinate the delivery of these used cartridges to one central location and auction the units at various times during the year.
- Installations were completed this quarter on 5 new Level 2 EVSE stations in the city. EV reserved parking signage was installed by city crews. Remaining installations are planned for 3<sup>rd</sup> quarter.
- OEQ completed 3 monthly status reports for NCTCOG during 2<sup>nd</sup> quarter.
- OEQ has developed a LED pilot project for evaluating LED lighting within a selected subdivision in the city. The city is partnering with John Wright Associates and Cummins Electrical on the 90 day pilot that features the installation and evaluation of 11 LED lighting fixtures. Some results will be discussed in the 3<sup>rd</sup> quarter report.
- Discussions continued during 2<sup>nd</sup> quarter toward a possible wind demonstrations project partnering with our local school district and a wind technology vendor for the installation of a 3kw system at a local high school.
- Product evaluations continued during 2<sup>nd</sup> quarter with propane and BEV vehicles.

#### RESEARCH

- Secondary Cementitious Materials (SCM) Research Project is ongoing and locating funding sources remains the primary activity.
- Texas A& M completed a feasibility study in determining viability of porcelain/clay mix as cement additive. Results were very promising. Porcelain mix has high value and ranks close to fly ash additives.

### **COMMITTEES UPDATE**

- A) Alternative Fuels/Vehicles
  - No activity this period
- B) Green Team
  - Printer cartridge recycling project continues.



- C) PIO Committee
  - A meeting was held of committee members.
- D) Healthy Living Expo committee
  - 3 meetings held during quarter.
- E) Energy Audit
  - No activity this period
- F) Greenhouse Gas Inventory
  - See ARRA Sustainability Plan 2Q Report
- G) Sustainability Plan (Healthy Workplace Plan)
  - See ARRA Sustainability Plan 2Q Report

## Weekly Status Report March 30, 2012

#### **Activities**

- GS&P has completed setting up appointments to speak with City staff to review draft chapters and solicit input on metrics and/or programs. Input has been received by fifteen department representatives to date.
- GS&P received written comments on the draft plan from one department this week. Two other departments have indicated they will provide comments within the next week.
- GS&P and the City have set up weekly calls to discuss plan development. This week GS&P participated in a conference call with the City to discuss progress on March 28, 2012.

### **Action Items**

- Provide a summary of the comments received to the City. Once clarification on the comments to incorporate is provided to GS&P, the GS&P team will revise the draft plan and submit to the City. (GS&P)
- GS&P has completed meeting with City staff to review the draft chapters and provide opportunity for input on plan development. Two department representatives anticipate emailing their responses to GS&P by April 6, 2012. (City)
- 7. Dollar mount of work/grant activities completed during this quarter.
  - \$1498.01 per Finance)
- 8. Description of public awareness / marketing / training activities completed during this quarter. Attached one hard copy and one electronic copy of any materials produced (# people attending/workshop, # workshops held).
  - OEQ Program Manager participated in 15 webinar training sessions.
  - Test drives coordinated through OEQ for GM Volt drive and charging demonstrations, 43 city employees participated during 2<sup>nd</sup> quarter.

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- OEQ Program Manager attended LED Street Lighting Conference offered by Municipal Solid-State Street Light Consortium in March 2012.
- OEQ Program Manager attended LED Street Lighting workshop at John Wright Associates in partnership with University of Texas at Arlington in March 2012.
- OEQ Program Manager participated in a tri-city regional green event in March 2012.
   Approximately 45 professionals attended.
- OEQ Program Manager arranged a drive event for city departments to test the Mitsubishi I-Car and Ford Transit Connect electric version. Six departments participated with about 15 city staff evaluations.
- 9. Products produced or technology transfer activities accomplished during the reporting period.
  - Ongoing refinement and development of OEQ's Intrasite (internal city communications process) to assist all in getting updates on activities underway in the Office of Environmental Quality.
  - An article was published in the city's City Press was published in 2<sup>nd</sup> quarter 2012. Article describes deployment of EVSE's. Another article was written pertaining to Earth Week and will be published in the 3<sup>rd</sup> quarter.
  - Ongoing development of city Internet website using Garland Goes Green as a branded page.

#### 10. Lessons Learned

- None this period.
- 11. Discussion of work/ grant activities to be completed next quarter
  - Continuing Waste to Energy discussions to further talks toward a possible proof of concept agreements signed between the city and one party featuring wastewater to energy.
  - Ongoing discussions with PowerStream on a 10MW wastewater to power project.
  - Ongoing discussions with NCTCOG and Texas Railroad Commission regarding propane grant opportunities.
  - Ongoing discussion with FRI Energy on a possible 10MW solar project at one of the city's Clean Energy Parks.
  - Installation of an additional 16 EVSE's through an Ecotality grant in connection with last year's GM Volt acquisitions.
  - Consideration continues toward signing a lease for new office space for OEQ in downtown Garland.
  - Kick off of pilot project for LED street light testing (John Wright Associates and Garland Power/Light)
  - Completion of the Healthy Workplace Internal Plan, an internal city planning document.
  - Installation of propane fueling facilities at 2 city facilities (Forest Lane and Gasoline Alley).
    The facilities will feature 2,000 gallon tanks at both locations, wireless automatic refill
    notification, connection to city's fleet master reporting system and refill infrastructure for
    small canister bottles servicing Parks department mowers and Warehouse department
    forklifts.
  - Anticipate receiving notification on Water Conservation Grant and if funded development of RFP for selecting a turn-key vendor for the water project.