APPROVED 4/17/2013 (TAC)

SUMMARIZED MEETING MINUTES

City of Scottsdale
Environmental Quality Advisory Board
Regular Meeting
Agenda

5:30 p.m., Wednesday, March 20, 2013
Community Design Studio
7506 E Indian School Rd., Scottsdale, AZ 85251

PRESENT: Floyd Marsh, Chair
Bill Sheaffer, Vice-Chair
Candice Gimbel, Board Member
Larry Person, Board Member

ABSENT: Alisa McMahon, Board Member (Excused by Chair)
Kevin Edwards, Board Member

STAFF PRESENT: Tim Conner, Office of Environmental Initiatives
Anthony Floyd, Office of Environmental Initiatives
Sam Brown, Office of Environmental Initiatives

Call to Order:
Chair Floyd Marsh called the regular meeting of the Environmental Quality Advisory Board (EQAB) to order at 6:10 p.m.

Roll Call:
A formal roll call took place confirming the members present as stated above

Public Comment:
None – No public present

1. **Approval of Minutes -- Regular Meeting: February 20, 2013. Possible action** — Chair Marsh
   Approved 4 – 0, Vice Chair Sheaffer moved for approval of the minutes, with Board Member Gimbel providing the second.

2. **Administrative Report –Discussion** — Tim Conner, Chair & Board
   - Update on new Board Member selection process
   - Presentation of EPA's Environmental Award for Green

Government to the ASU Sustainable Cities Network
- Save the date – May 6th Board and Commission Appreciation Event 5:30 p.m. – 7:00 p.m. at Scottsdale Center of Performing Arts
- Status of General Plan Update Process/Opportunity for Input
- Other upcoming events of interest

3. **Chair's Report --Discussion** Chair Marsh
   - Review communications, activities and events attended
   - Need or interest in refining or revising primary focus areas
   - Chair Marsh provided an overview of the City's plans to move forward with the TAC pilot program at the community scale with a demonstration program at the facility that is used to treat the Indian Bend Superfund site water.
   - A salinity fact sheet that Chris Hassert had mentioned in the February meeting was sent out in the utility bill insert. The fact sheet provided solutions and options for home owners to consider in reducing the salinity of the city's waste water.
   - Chair Marsh briefed the board on the input being provided by Jim Baygents, UA Professor and Chemical and Environmental Engineering Dean and his colleagues (Jim Ferrell and Jake Davis) who are presently reviewing and commenting on the water softening evaluation matrix.
   - Chair Marsh noted that he had attended the Tech Subcommittee (TAC) of JLS Salinity Management held on March 14, 2013. Discussed 3 existing salinity models and focused on utility cost estimates due to salinity impacts and two salt impact and efficiency removal models high and low range comparisons; agreed to conduct a workshop this month to review each greater depth for better understanding of their operation, assumptions and input data. Reviewed second draft of Education and Training/Certification program proposed for cooperative funding by AZ Water Quality Association and ADWR; being reviewed by ADWR legal to meet procurement requirements before award of AWQA. Philosophical acknowledgement and discussion that TAC "Stakeholder" group is quite heavily weighted toward water softening industry and the need to broaden the group to address long-term salinity management issues subsequent to TAC advance legislative initiatives such as those pending (phasing out water softeners and public education) The next meeting will be held April 24th, 2013.

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4. **Discuss of progress and action on strategic approaches, action plans, schedules, communication methods, products, etc…to advance the top 3 topics/focus areas (listed below). Refine or revise topics as necessary, and adopt draft or final materials and plans as revised or completed. -- Discussion and possible action** — Chair Marsh and Board Members

<u>Water Issues</u> – Salinity Management, Water Quality, Energy Efficiency – Chair Marsh to discuss progress on water softening technologies comparisons, reaction to Water Resources staff February presentation and review staff recommendations from prior overview report, review draft white paper outline and content material and review the recent meetings of the State Joint Legislative Study Subcommittee on Water Salinity Issues - Discussion and possible action.

Chair Marsh stated that he had no additional actions to report other than that stated item 3. Above. He pointed out that the matrix was updated with footnotes for resources on the water softening matrix.

Chair Marsh suggested that review time be allowed outside of the forma meeting and that comments will be considered during the next meeting to provide for an efficiency in the formal meeting time.

Board member Gimbel suggested that energy should be added to the work program as a general consideration.

<u>Energy Issues</u> – Board Member Sheaffer to discuss progress on the planned recognition program and specifically on the work being done to gather information regarding the City's Fleet and Alt-fuels programs. Possible discussion about other future programs to target for recognition. – Discussion and possible action.

Vice-Chair Sheaffer reviewed the updated data being gather from the Fleet Department. He expanded his comments to focus on the 15 years of alt fuel use. Vice-Chair Sheaffer provided a copy of an email that contained the following data.

General Background for Scottsdale Fleet EQAB recognition

- The Scottsdale Environmental Quality Advisory Board is pleased to recognize the Scottsdale Fleet Department for its continuing contribution to an improved environment.

- Our Fleet Department has been a leader in the use of Alternative Fuel (Clean American Fuel), and emissions reductions for the past 15 years.
- In 2012 alone the combined use of alternative fuel and idle reduction programs displaced 681,000 gallons of petroleum fuel.
- This has the effect of removing some 6,800 tons of CO2 from our Arizona air. Or think of it as removing a full dump truck of CO2 from the atmosphere – per day.
- In the process they also reduced our dependence on foreign oil by that same 681,000 gallons, and kept some $255,000 of fuel purchases here in the US.
- These strategies are also contributing to the bottom line. Idle reduction itself – by shutting off the engine, eliminated the use 15,000 gallons of fuel, saving about $55,000 per year.
- And the pay-out period for the extra cost of new Compressed Natural Gas vehicles is about 3 ½ years. Meaning the pay back of a 6-year life span of fuel savings of over $2.00 per gallon is coming back to the City for the remaining 2 ½ years of projected vehicle life.
- Actual CNG fuel equivalent gas per gallon = $0.91 per gallon.
- Please not the following list of Alternative-Fuel vehicles in the Scottsdale Fleet:
- BIODESIL B-20 – 130 Heavy Duty, 122 Medium and Light Duty and 84 Off Road
- E-85 FLEX FUEL – 94 Light Duty
- COMPRESSED NATURAL GAS - 11 Heavy Duty, 48 Light duty, 6 Off Road
- HYBRIDS - 17
- ALL ELECTRIC – 9
- FUTURE PU8RCHASE PLANS – 5 CNG Refuse Trucks & 4 CNG Vans
- The Fleet Department is also developing the potential future CMG fueling stations.
- EQAB salutes our Fleet Department for their responsible management of our fleet vehicles.

Update by Board Member Gimbel on her reporting of the past, current and future state of programs intended to incentivize the installation of solar power systems for residential, commercial and small businesses and civic facilities.

Board Member Gimbel shared email correspondence that she had

received from Mr. Rex Stepp – Senior Technical Account Representative of APS Renewable Energy – Customer Generation. Mr. Stepp shared links to web pages that provided information related to the Arizona Corporation Commission Renewable Energy Standards that included information from both APS and SRP. Additionally a link was provided that included the current incentives offered by APS for the installation of solar renewable energy systems. Board Member Gimbel announced that she planned to meet with Mr. Stepp to gather additional detailed information to bring back to the board.

<u>Green Building</u> – Discussion and possible action for the process for the comparison of the International Code Council (ICC) 700 Residential Green Building System with the possible update of the Scottsdale Residential Green Building Check list.

Anthony Floyd updated the board on progress of reviewing the future modifications for the residential green building program. Also brought up the need to keep an eye on HB 2404 in the state legislature which was sponsored by the Home Builder's Association that could modify green building standards as they related to energy efficiency.

Update on Green Building Lecture Series - Discussion

5. **Board members' reports, updates and suggestions for future monthly agenda items. Possible discussion** — Chair and Board Members
   - Future Presentation by the City's Fleet Department on the City's Alternate Fuels and Fleet programs (April 2013 meeting).
   - Chair Marsh asked board member Person to possibly provide an update of the EPA air quality issues regarding coal fired power plants such as the Navajo power station.
   - Board member Gimbel suggested that the board consider adjusting the meeting time. Chair Marsh asked staff to conduct an informal poll and bring the results to the next meeting for discussion.

6. Updates and reminders – — Chair and Board Members
   - Next EQAB Regular Meeting Wednesday, April 17, 2013 at the Community Design Studio 5:30 p.m.
   - Next Green Building Lecture, Thursday, April 4, 2013 at the Granite Reef Senior Center at 7:00 p.m.

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Adjournment: With no further business to discuss, the Environmental Quality Advisory Board adjourned at 7:58 p.m.

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