



APPROVED 2/17/2016 (TAC)

SUMMARIZED MEETING MINUTES
City of Scottsdale
Environmental Quality Advisory Board
Regular Meeting
5:30 p.m., Wednesday, January 20, 2016
Scottsdale Community Design Studio
7506 E Indian School Rd., Scottsdale, AZ 85251

PRESENT: Alisa McMahon, Chair
Candice Gimbel, Vice-Chair (arrived at 5:45 p.m.)
Michel Hulst, Board Member (telephonically)
Bruce Travers, Board Member
Dane Englert, Board Member
Steven Schlosser, 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 McMahon called the regular meeting of the Environmental Quality Advisory Board (EQAB) to order at 5:35 p.m.

Roll Call:

A formal roll call took place confirming the members present as stated above.

Public Comment:

None provided, no public present

1. Election of 2016 EQAB Officers – Action

Chair and Board

MOTIONS AND VOTES – ITEM # 1

Board Member Candice Gimbel moved to nominate Current Chair Alisa McMahon as 2016 Chair, second provided by Board Member Travers. Chair McMahon requested additional nominations. Hearing none, called for the vote; **MOTION APPROVED 5 – 0 – 1 WITH CHAIR MCMAHON ABSTAINING**

Board Member Travers moved to nominate Board Member Schlosser as Vice-Chair, second provided by Chair McMahon. Chair McMahon requested additional nominations. Hearing none, called for the vote; **MOTION APPROVED 6 – 0**

2. **Approval of Summarized Meeting Minutes -- Regular Meeting: December 16, 2015. Possible action** Chair and Board

MOTION AND VOTE – ITEM # 2

Vice-Chair Schlosser provided a motion to approve the December 16, 2015 Regular Meeting Summarized Meeting Minutes as submitted, Chair McMahon provided a second to the motion; **MOTION APPROVED 5-0**

3. **Review and possible approval of EQAB 2016 Meeting Schedule – Discussion and possible action** Chair and Board

MOTION AND VOTE – ITEM # 3

Board Member Travers provided a motion to approve the 2016 EQAB Meeting Schedule as submitted, Vice-Chair Schlosser provided a second to the motion; **MOTION APPROVED 5-0**

4. **Review and possible approval of EQAB 2015 Annual Report – Discussion and possible action** Chair and Board

MOTION AND VOTE – ITEM # 4

Board Member Travers provided a motion to approve the EQAB 2015 Annual Report as submitted with the removal of the second bullet under Upcoming Opportunities, Challenges, or Outcomes that stated Future of Scottsdale’s landfill needs including assurance of proper containment and pollution prevention, Board Member Gimbel provided a second to the motion; **MOTION APPROVED 6-0**

5. **Administrative Report - Discussion** Tim Conner,
• **Updates and opportunities – Conner** Anthony Floyd &
• **Introduction of City’s Housing Green Rehabilitation Program** Board Members

proposal and possible adaptation to general permitting process – Floyd

- **Green Building Lecture update – Floyd**

6. **Review of brief letter of support to City Council for a Water Resources program to install a large solar photo voltaic system to offset the current energy expenses at the Scottsdale Water Campus – Discussion and possible action**

Anthony Floyd
and Chair

Anthony Floyd introduced a letter of support that he prepared at the request of the Chair and Staff Liaison. The letter was prepared for inclusion in the upcoming Council Action Report for the acceptance of services from Solar City to install a large photo voltaic solar system at the City's Water Campus.

Vice-Chair Schlosser suggested a number of minor edits including breaking up some of the long sentences in paragraphs 1 and 2. Additionally the date was incorrect.

Chair McMahon asked if Chris Hassert with Water Resources had reviewed and commented on the letter. Mr. Floyd stated he had shared the letter with Mr. Hassert, but had not yet received comments. Chair McMahon asked what percentage of Water Campus energy use will the PV system produce. The Chair asked that the final letter include the answer as well as Mr. Hassert's comments. Mr. Floyd agreed to incorporate any comments from Mr. Hassert into his final revisions.

MOTION AND VOTE – ITEM # 6

Vice-Chair Schlosser provided a motion to approve the letter of support to the City Council for the Water Resources Solar Photo Voltaic System Installation with the minor revisions discussed that will be made by the Chair and Mr. Floyd prior to forwarding the letter of support to the Water Resources Department for inclusion in the City Council Action Report, Board Member Gimbel provided a second to the motion; **MOTION APPROVED 6-0**

7. **Discussion regarding the possible Board support of the City's participation in a regional greenhouse gas emission inventory led by the Maricopa Association of Governments – Discussion and possible action**

Tim Conner &
Board Members

Mr. Conner briefed the Board on Phoenix's and Maricopa County's request for Scottsdale's support of a regional greenhouse gas inventory. He stated that the discussion and fact finding is still in process, and that he will return with an update most likely at the February meeting. No action was taken

8. **Introduction of Environmental Recognition Program submittal by Hyatt Regency Gainey Ranch for the Boards consideration – Discussion and possible action** Chair & Board Members

Chair McMahon briefed the new members with the background and intent of the program.

Vice-Chair Schlosser asked if the program had been widely broadcast to the public. Chair McMahon replied that the intent was to have the Board select outstanding achievements rather than issuing a call for entry. The Vice-Chair asked how often the program would recognize outstanding achievement. After some discussion the Board collectively decided perhaps once or twice a year might be appropriate.

Vice-Chair Schlosser stated that he felt there should be a fanfare launch of the program, and suggested that the Arizona Republic Business section might be willing to publish an article on the award. Board Member Gimbel stated that there would need to be care taken in the messaging to avoid an unequitable appearance of the Board's selection. She suggested that the City's PIO might be helpful in the publicity aspects.

MOTION AND VOTE – ITEM # 6

Board Member Englert provided a motion to approve the Hyatt Regency Gainey Ranch as the first external recipient of the Environmental Recognition Program, Board Member Gimbel provided a second to the motion; **MOTION APPROVED 6-0**

Chair McMahon asked if there were any volunteers on the Board to take the lead on the award program. Vice-Chair Schlosser and Board Member Gimbel volunteered to lead the program's organization. Mr. Conner stated that there would need to be lead times figured into the schedule to accommodate Council agenda required advance postings and working with the City's Purchasing Department to obtain the physical award.

9. **Discussion regarding the progress and future schedule of events of the *Transportation Master Plan* update – Discussion and possible action** Chair

Chair McMahon asked the Board if they would like to consider endorsing portions of the Transportation Master Plan 2016 Update. Board Member Englert asked if there were specific points that the Chair wanted the board to consider for endorsement. The Chair suggested that the Future Rail section is something that she might be interested in supporting. Chair McMahon proposed that if there was interest, the Board might invite the Transportation Director and/or a Transportation Commissioner to the February meeting to provide additional information.

Vice-Chair Schlosser asked if the recommendations would be tied to air quality issues, such as the light rail might assist in ozone reduction.

Board Member Gimbel asked what part of the light rail proposal the Chair was interested in supporting. Board Member Gimbel stated that she thought the master plan was weak especially if the Board was attempting to tie air quality to the light rail proposal.

Board Member Englert asked Board Member Gimbel if she felt that the Board should not support the master plan. Additional discussion about the plan's content continued until Chair McMahon took a straw poll of the Board's interest in weighing in on the master plan. Two members were interested in exploring the topic further; the remaining four were neutral. No action was taken.

10. **Discussion regarding possible revisions to the November 18, 2016 Board approved Advisory for the City's *Drought Management plan*. – Discussion** Chair

Chair McMahon briefed the Board that the Advisory had not been sent to the Mayor and Council. The Chair stated that the Acting City Manager / Water Resources Executive Director Brian Biesemeyer had taken exception to a few stated facts in the Advisory. The Chair and Past Vice-Chair Person will revise and revisit the document with Water Resource staff and bring the outcome of the revisions to the Board at a future meeting.

11. **Board discussion and possible action regarding the development of the 2015-2016 EQAB work program topics list including the possible reassignment of projects previously championed by retiring board members – Discussion and possible action** Chair & Board Members

The Chair provided the latest update version to the Board and asked them to consider the top items of interest that they would like to work on in the coming year and bring them back for discussion at the next meeting. No action was taken.

12. **Board Members' reports, updates and suggestions for future agenda items – Discussion** Chair & Board Members

Board Member Gimbel requested that the updated school pick up and drop off anti idling resource packet be brought to the next meeting.

13. **Updates and reminders –** Chair & Board Members
- **Next EQAB Regular Meeting Wednesday, February 17, 2016 at the Community Design Studio 5:30 p.m.**
 - **Next Green Building Lecture – February 4, 2016 at 7:00 PM at the Granite Reef Sr. Center. Topic: Living and Edible Landscape Life**

Adjournment: With no further business to discuss, the Environmental Quality Advisory Board adjourned at 7:36 p.m. Chair McMahon & Board

ATTACHMENTS:

The Environmental Quality Advisory Board (EQAB) typically meets on the third Wednesday of each month at 5:30 p.m. Below is an approved listing of the planned meetings for 2016:

January 20, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

February 17, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

March 16, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

April 20, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

May 18, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

June 15, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

July 20, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

August 17, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

September 21, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

October 19, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

November 16, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.

December 21, 2016 - 5:30 PM – Community Design Studio 7506 E. Indian School Rd.



Prepared by Tim Conner, Manager – Office of Environmental Initiatives on 1/15/2016
Approved by the Environmental Quality Advisory Board on 1/20/2016
<http://www.scottsdaleaz.gov/boards/environmental-quality-advisory-board>

Number of Meetings Held: 10

Public Comments: None

Major Topics of Discussion / Action Taken:

- Approval of Summarized Meeting Minutes January – December 2015 (Exception of no meetings held in April and July)
- Elected Alisa McMahon as Chair and Larry Person as Vice-Chair January 21, 2015 & Candice Gimbel as Vice-Chair 11/18/2015
- Approved 2015 Meeting Schedule
- Approved EQAB 2014 Annual Report
- Board briefing on attendance at American Meteorological Society Session for Communities on Extreme Weather, Colorado River Shortage Preparedness Workshop (ADWR, USBR, CAP), and other seminars
- Ongoing work regarding the reduction of idling at local school pick up and drop off locations including participation in a meeting with the Mayor, Scottsdale Unified School District Superintendent and other district staff, and a representative of the Arizona Department of Environmental Quality's Office of Children's Environmental Health
- Received presentation from Kim Redden of the Water Quality Association providing an update of standards, testing and certification of salt-less water conditioning systems
- Approval of a Memorandum to the Building Advisory Board of Appeals recommending adoption of the 2015 International Green Construction Code, 2015 International Energy Conservation Code, 2015 International Residential Code and code amendments for energy efficiency, water conservation and indoor environmental quality
- Received a presentation from the City's Long Range Planning division regarding the General Plan 2035 process
- Creation of an Environmental Topical Contact List for the use of staff, the Mayor and Council
- Assisted in the 2014-2015 & 2015-2016 Green Building Lecture Series
- Board Member meeting with Acting City Manager / Water Resources Executive Director to provide overviews of ongoing work on alternative salt-less water conditioning technologies white paper and other water related topics
- Adopted the new Environmental Achievement Recognition Program and presented the program to City Council during the Public Comment period of a City Council meeting
- Sent a memorandum to Long Range Planning, Planning Commission, and City Council in support of the environmental chapters of the General Plan 2035 - Task Force Recommended Draft and recommending acceleration of two environmental programs in the Implementation Chapter

- Requested staff send four documents representing EQAB’s completed work year-to-date with a cover memo to the City Council Audit Subcommittee for the November 2015 Board and Commission Sunset Review
- Tracked the progress of the Scottsdale Unsalted Water Softener Rebate Program
- Adopted an Advisory to the Mayor, Council, City Manager, and Water Resources Executive Director regarding suggested modifications to the City’s Drought Management Plan
- Received presentation from Paul Basha, Transportation Director, regarding Transportation Master Plan update

Current Member Attendance:

Member Name, Title	Present	Absent	Service Dates
Alisa McMahon, Chair	10	0	1/2015 - 12/2015
Larry Person, Vice-Chair	9	0	1/2015 - 11/2015 (term ended)
Floyd Marsh, Member	7	0	1/2015 - 9/2015 (term ended)
Candice Gimbel, Member & Vice-Chair (12/2015)	10	0	1/2015 - 12/2015
Mike Hulst, Member	6	4	1/2015 - 12/2015
Steven Hermann, Member	6	0	1/2015 - 8/2015 (resigned)
Bruce Travers, Member	7	2	2/2015 - 12/2015
Steve Schlosser, Member	3	0	9/2015 - 12/2015 (replaced Steven Hermann)
Dane Englert, Member	2	1	10/2015 - 12/2015 (replaced Floyd Marsh)
Ted Geisler, Member	0	0	12/2015 - 12/2015 (replaced Larry Person)

NOTE: Board Member Geisler withdrew his membership prior to the 12/2015 meeting

Subcommittees: None

Ethics Training: Yes, Prior to 1/21/2015 Meeting

Selected Officers: Yes, 1st Election held on 1/21/2015, and 2nd Vice-Chair elected 11/18/2015.

Reviewed Bylaws/City Code: Yes, 8/19/2015, no changes recommended.

Anticipated Key Issues:

- Drought preparation
- Salinity reduction
- Renewable energy options and energy efficiency measures for civic facilities
- Local and regional impacts of the EPA’s strengthening of the National Ambient Air Quality Standards for ground-level ozone to 70 parts per billion as the new 2015 8-hour standard

Future Significant Work Products:

- White Paper regarding emerging technologies for salt-less alternatives to water softening
- Environmental Achievement Recognition Awards (private sector)

- Resource Packet with solutions for auto idling pollution, health and safety problems at student pick up and drop off locations
- Assist in the organization of the Green Building Lecture Series
- Update of Environmental Topical Contact List

Upcoming Opportunities, Challenges, or Outcomes:

- Prescription drug products in reclaimed wastewater
- Challenges of regional ozone compliance. What is Scottsdale's role?
- Coordinated effort to work together with four Scottsdale school districts to find solutions to the environmental, health and safety issues surrounding school pickup and dropoff

Additional Comments/Recommendations: If the Board/Commission wishes to add additional comments or recommendation(s) to the City Council, it can go in this section.

Report Approved on: January 20, 2016

Memorandum - DRAFT

TO: City Council

FROM: Environmental Quality Advisory Board (EQAB)

DATE: January 20, 2016

RE: **Recommendation for Solar PV Project at the Scottsdale Water Campus**

The Environmental Quality Advisory Board recommends approval of the solar services agreement and contract award to SolarCity for the design, construction and operation of a 3 megawatt PV solar system at the Water Campus for energy savings of operations associated with the Water Reclamation facility and CAP Potable Water Treatment Plant (WTP).

Background

The Scottsdale Water Campus is a 145 acre complex housing the Water Reclamation facility and the CAP Potable Water Treatment Plant (WTP). Scottsdale Water Resources is interested in entering into a long term solar services agreement for a 2 to 3 megawatt (DC power) PV system which would result in lower energy costs when compared to equivalent amount of grid power currently consumed at the Campus.

Water Resources has designated three locations on the campus to accommodate the solar panel arrays. Each location will be leased to the awarded Contractor pursuant to a site lease agreement. All electricity generated by the solar systems will be sold to Scottsdale Water Resources at a fixed, negotiated price for the contract term. Water Resources is only interested in entering into a solar service agreement with a Contractor that can commit to a cost model resulting in a more attractive net present worth than the current estimated grid power costs for the same twenty year period.

Recommendation

The successful bidder, SolarCity is a leader in Arizona's solar integration market as one of the largest solar installers in North America and the most experienced project financiers in the industry with ample capital available to support the City's solar objectives. SolarCity has completed dozens of Arizona municipal projects including the cities of Mesa, Tempe, Chandler and Globe.

SolarCity has met all of the conditions of the RFP including an estimated annual energy savings ranging from \$55,392 in the first year to \$196,755 in the 20th year.

EQAB recommends approval of the solar services agreement and contract award to SolarCity for the design, construction, operation and maintenance of 3 megawatt PV solar system at the Water Campus/CAP Facility for energy savings of operational costs for both the Water Reclamation facility and CAP Potable Water Treatment Plant (WTP).

If you have any questions regarding this recommendation, please contact Anthony Floyd in Scottsdale’s Office of Environmental Initiatives.

Respectfully,

Alisa McMahan, Chairperson
 Environmental Quality Advisory Board

**EQAB 2016 WORK PLAN
 1/20/2016 DRAFT**

All	Environmental Stewardship Plan - OEI
	city policy for implementation of solar energy - Anthony Floyd
	environmental topical contact list
	air quality issues
Alisa	Green Building Residential Checklist
	Green Building Remodeling Guidelines
	Green Building Lecture Series
	incentives for / growing green building & remodeling within Scottsdale
	solar ready design and build ordinance
	water and energy conservation code updates - Scottsdale amended 2015 and 2018 code cycle
	green MLS features
	Energy Conservation Audit and Disclosure Ordinance
	bring your own bag ordinance
	construction and demolition waste reduction

	General Plan 2035
Bruce	drought management / water supply issues
	relationships with mayor & council members
Candice	school pick-up and drop-off anti-idling
	external recognition program
	internal recognition program
	extreme heat / heat emergency
	carbon inventory
Dane	carbon neutrality
	recycling (how to improve participation rates, particularly multi-family)
	hazardous waste/household hazardous waste
	gas-powered leaf blower ordinance
	water supply issues
	urban heat island effect
Michel	
Steven	salt-free water conditioning alternatives / salinity
	solid waste management