



City of Goodyear

See meeting location
below

Meeting Minutes

Water Conservation Committee

Tuesday, October 17, 2017

6:00 PM

Goodyear City Hall
190 N. Litchfield Rd.
Goodyear, AZ 85338

1. CALL TO ORDER

Chairman Columbia called the meeting to order at 6:00 p.m.

2. ROLL CALL

Present: 9 - Chairman Columbia, Vice Chairman Barber, Committee Member Gilmore, Committee Member Kagan, Committee Member Kaino, Committee Member Minarik, Committee Member Moll, Committee Member Smith and Committee Member Teiche

Excused: 2 - Committee Member Booth and Committee Member Faiello

Staff Present: Water Demand Advisor Ray Diaz, Water Resources Planning Advisor Gretchen Erwin; Water Resource Manager Mark Holmes

Others Present: Facilitator Teresa Makinen and her assistant Anne Morton

MOTION BY Committee Member Gilmore, SECONDED BY Committee Member Kagan, to EXCUSE Committee Members Booth and Faiello from the meeting. The motion carried by the following vote:

Ayes: 8 - Chairman Columbia, Vice Chairman Barber, Committee Member Gilmore, Committee Member Kagan, Committee Member Kaino, Committee Member Moll, Committee Member Smith and Committee Member Teiche

Excused: 2 - Committee Member Booth and Committee Member Faiello

Absent: 1 - Committee Member Minarik

3. APPROVE MINUTES

- 3.1 [MINUTES](#) [79-2017](#) Approve draft minutes of the Water Conservation Committee meetings held on August 15, 2017 and September 19, 2017.

AUGUST 15, 2017 MINUTES: Committee Vice Chairman Barber said on page three, third paragraph from the bottom needs to be corrected to more accurately reflect her comments. The sentence was edited to read "In the spirit of encouraging discussion, Committee Vice Chairman Barber asked about regulating pool size or other strategies for managing pool usage, such as pool

covers.”

MOTION BY Committee Member Teiche, SECONDED BY Committee Member Gilmore, that the Minutes from August 15, 2017 be APPROVED. The motion carried by the following vote:

Ayes: 9 - Chairman Columbia, Vice Chairman Barber, Committee Member Gilmore, Committee Member Kagan, Committee Member Kaino, Committee Member Minarik, Committee Member Moll, Committee Member Smith and Committee Member Teiche

Excused: 2 - Committee Member Booth and Committee Member Faiello

MOTION BY Committee Member Kagan, SECONDED BY Committee Member Gilmore, that the Minutes from Septemer 19, 2017 be APPROVED. The motion carried by the following vote:

Ayes: 9 - Chairman Columbia, Vice Chairman Barber, Committee Member Gilmore, Committee Member Kagan, Committee Member Kaino, Committee Member Minarik, Committee Member Moll, Committee Member Smith and Committee Member Teiche

Excused: 2 - Committee Member Booth and Committee Member Faiello

4. CITIZENS COMMENTS/ APPEARANCES FROM THE FLOOR

None.

5. OLD BUSINESS

Facilitator Makinen said at the last meeting, Committee Member Minarik reviewed that there were two sets of population numbers under consideration for the model. Mr. Minarik said that since the last meeting, he met with Water Demand Advisor Diaz and they determined after reviewing the information again, that there is only one set of numbers. It appeared that the numbers utilized by Carollo Engineers was low but that was because of the MAG numbers, they only used two of five of Goodyear’s water areas. Water Resource Manager Holmes confirmed that everyone is in agreement in using the Integrated Water Master Plan numbers and projections which reflect that 35,000 acre feet of water is the shortfall for build out in 2080.

5.1 Meeting Schedule and Administration

Facilitator Makinen confirmed that members are available on Tuesday, November 21st for the next meeting since it is the week of Thanksgiving. Of the members present, only Mr. Minarik will be unavailable; however, he may be able to call into the meeting in lieu of attending in person.

6. NEW BUSINESS

6.1 Committee Discussion on Recommendation Topics and Concepts

Facilitator Makinen reviewed the objectives, information received and compiled so far and the broad recommendations created to date. She added that there are still details that need to be added to the recommendations they have created so far. Next, Ms. Makinen reviewed the process for recommendation creation and finally she reviewed what she referred to as the reconciliation form created by Committee Member Smith. Mr. Smith said that in addition to categorizing the information they already had, he realized that there were a few items that were missing so they've been added. Ms. Makinen suggested the Committee review the current recommendations to provide any additional information for staff to further evaluate the recommendations. In addition, where there are subsequent committees, this committee should give as much information as possible so that the committee working on the topic will understand the intent of this committee.

Convene a committee to look specifically at pool usage in Goodyear.

It was agreed that the committee for pool usage should be comprised of: Pool Builders, Home Builders, Development Community Members, HOA representation, Pool Suppliers, Residents of mixed age groups, Parks & Recreation Department, Landscape Architects and Economic Development Department.

When asked what the pool usage committee should discuss, members said it should include reducing the evaporation rate, pool sizes, pool covers, possibly dual meters for measuring pool water usage, and to try and quantify what evaporative loss looks like for pools and water features. Committee Vice-Chairman Barber suggested all items categorized as "Single-Family Outdoor - Pools & Spas" (SFO.PS) on Committee Member Smith's compilation should be included as topics for consideration. These items include: pool covers to mitigate water loss through evaporation; sand filters versus cartridge filters to mitigate water loss through backwashing; pool discharge education/reporting ability and capturing water onsite for recharge to mitigate water loss through drainage; regulation of pools to mitigate evaporation; and residential development standards.

There was some discussion regarding what goal to provide to the committee that will be formed. It was suggested that a 50% reduction in pool water usage over the next ten years be the goal. Water Resource Manager Holmes said that is possible unless the new committee comes up with a different goal.

Convene a committee to look at and develop/revise landscape design standards for the City.

It was agreed that the landscape design standard committee should be comprised of: Landscape Architects, Planning Department, Parks & Recreation, HOA representation, Residents, Economic Development, Builders, Developers, Trade Associations, Academics, Arizona Landscape Contractors Association (ALCA), AMWUA Water Conservation Manager, and the committee could be overseen by Development Services. The Water Resources Division would likely sit in on the meetings as well. Vice-Chairman Barber noted that there was a landscape architect and landscape contractor professional as part of the City's H2Ownit committee, and said it might be nice if they were available since they would be familiar.

The committee discussed the development of a goal for the landscape design standard committee. Mr. Holmes said that the average single-family home uses 7000 gallons of water per month with 4200

gallons of that being used outdoors. A goal of reducing that by 50% to 2100 gallons per month of outdoor water use by 2029, would reduce the shortfall to build out by half.

Committee Member Moll reminded the group that not all landscape topics fit into Landscape Design Standards and may need to be treated as separate recommendations. Mr. Holmes agreed and used the suggestion of a Citywide Tree Plan as an example of a topic that should be its own document. Ms. Makinen asked if Landscape Design Standards could call out what model homes do and Mr. Holmes said that they could. For instance, they could say that model homes should include demonstrating low water use landscaping and inform potential homeowners how the cost would vary for the homeowner based on landscape selection and water usage.

City to develop an incentive-based program for HOAs for existing landscape.

After some discussion, it was suggested that a pilot program be created and recommend the City invest \$30,000 to maximize the removal of turf for the maximum number of homes with the idea of gaining the greatest savings. Then monitor and measure the effectiveness of the program to demonstrate the water savings or return on investment over a year or two and determine whether to expand the program.

The intention wouldn't be for the city to pay for the replacement of existing turf but to somewhat off-set the expense. In exchange for the city's incentive to the homeowner, there could be a deed restriction to never allow turf on that parcel again. Meetings with HOAs could be held to determine interest and if CC&R modifications would be necessary in areas where turf is currently required. If the pilot program is successful, the program could be expanded to HOAs, which could potentially include the HOA not conducting winter over-seeding as a water saving mechanism as well.

City to review Code requirements to reconsider things they currently prohibit that are good for conservation (i.e., pervious pavement).

Mr. Holmes said they understand what they need to do for this recommendation.

City to create a water use reduction plan with citywide performance measures, and all departments to create individual water conservation plans for their department.

Mr. Holmes said they have a good strategy underway already and Water Demand Advisor Diaz said they have good direction on this recommendation.

City to review current street design standards for opportunities to utilize water run off as a means of water harvesting for medians or rights-of-way.

Mr. Holmes said that rather than landscape design, this would fall under changes to the Street Design Standards which is under the Engineering Department.

Several of the remaining items fall under Public Works Department to evaluate or undertake. For some of these items, detailed recommendation samples have been created previously by staff or were

originally suggested in the Staff Considerations document.

The items for Public Works are:

- Opt-in for water turn-offs with permission program.
- Homeowner services: Audits, Leak Detection
- Expand home irrigation checkups
- Develop indoor versus outdoor water rates
- Dual metering
- Compare single-family usage to neighborhood usage average in monthly bill
- Upgrading the antiquated billing system

Additionally, the committee reviewed topics that should be treated as standalone topics. These topics are as follows:

- Recycle water from hydrants or construction uses
- Develop a water conservation financial strategy
- Citywide tree plan

Ms. Makinen said there were a few topics that Mr. Diaz had worked on earlier in the year such as AMI impacts and the use of smart controllers.

At the next meeting, Education and Awareness will be addressed since this topic is essentially a component of all the other categories.

Committee Member Moll said that he liked the format he has seen for the recommendations; however, he requested the stakeholders or impacted parties be included in the final documents.

7 QUESTIONS FROM THE PUBLIC

None.

8. INFORMATION ITEMS

None.

9. ADJOURNMENT

There being no further business to discuss, Chairman Columbia adjourned the meeting at 7:58 p.m.

Respectfully Submitted by:

Mario Columbia, Chairman

Date: _____