



WATER AND SEWER BOARD REGULAR MEETING
July 10, 2019 – 6:30 a.m.
2nd Floor Conference Room – 301 Walnut Street
Windsor, CO 80550

MINUTES

A. CALL TO ORDER

Board Chairperson Bielawski called the meeting to order at 6:28 a.m.

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|---------------------|----------------------------------|------------------------|
| 1. <u>Roll Call</u> | Chairperson | Greg Bielawski |
| | Vice-Chairperson | Carlos Medina |
| | Secretary | Julie Cline |
| | | Darell Zimbelman |
| | | Milt Tokunaga |
| | | Milton Geiger (absent) |
| | | Janene Willey |
| | Town Board Liaison | Ken Bennett |
| Also present: | Director of Engineering | Dennis Wagner |
| | Water Resources Manager | John Thornhill |
| | Customer Services Manager | Mike Lucero |
| | Utility Billing Admin Specialist | Erin Porter |

2. Review of Agenda by the Board and Addition of items of New Business to the Agenda for Consideration by the Board
There were no additional items added to the agenda.
3. Public Invited to be Heard
There was no public comment.

B. CONSENT CALENDAR

There were no items on the consent calendar

C. BOARD ACTION

1. Minutes of June 12, 2019 Regular Meeting
Board Member Willey moved to accept the minutes for the May 8, 2019 meeting; Board Secretary Cline seconded the motion. Motion carried unanimously.
2. Resolution No. 2019-01 – A Resolution of Recognition and Appreciation to Dennis Wagner for his Service and Dedication to the Town of Windsor
Board Member Zimbelman moved to accept the proposed resolution; Board Member Willey seconded the motion. Motion carried unanimously.

D. PRESENTATIONS AND DISCUSSION

1. Presentation: Water Supply Update

Mr. Thornhill updated the Board on the current state of the water supply. He stated that the average demand is around 780M gallons, and that due to a cooler and wetter spring, the actual demand is below last year by 1.5%. The snowpack did not continue to go up, but maintained its levels. He said that the best thing to look at on the runoff reports is actually the river flows.

The temperature and precipitation forecasts from June were accurate, in that there was a lower than average temperature and higher than average precipitation. All of Colorado is out of the drought except a small area near the San Luis Valley.

Current demand projection is around 2,900 acre feet (af), and the projected supply after shrinkage is around 3,201af, so the Town is on track to meet projected demand with projected available supply. The actual supply before 17% shrinkage is 3,388af and after shrinkage the supply is 2,896af. He did give New Cache 460af to pay the running charge for moving CBT water into the Kern Reservoir, rented out 400af to Raindance subdivision to put in their non-potable pond so they could start irrigating, maximized the carryover, and rented out 650af of native agricultural water to agriculture farmers along the north Poudre.

2. Presentation: Non-potable water systems in Windsor

In 1994 Martin Lind acquired land which is now Water Valley. Mr. Lind came up with the idea of a dual water system. The Town went with him, and in 2003 the Town Board passed an ordinance requiring secondary water systems for irrigation of new residential development within the Town of Windsor urban growth boundary.

In 2004, there were about 800 secondary systems and 3,000 treated water taps, and now there are more dual system taps than treated water taps. This leads to a significant savings to the Town, and Windsor is unique as other area municipalities do not have the same type of system usage. If the Town had not done this, more water rights would need to have been acquired and treated which would have been very expensive.

With treated water, there has consistently been about 90,000-100,000 gallons per household per year, and has stayed pretty consistent, but the dual use accounts have been steadily coming down. If the Town continues to enforce the ordinance and continues to build on historically irrigated land, the dual use will continue to decrease.

For Municipal Non-Potable water, on average it takes 2.5 to 3 af to irrigate 1 acre of bluegrass. Parks, Trails and Open Space manages approx. 650 acres, of which about 100 acres are irrigated. The Town has about 162 acres that are yet to be developed, about 2/3 of which will be irrigated.

Mr. Thornhill discussed the maps of the Kern/Windsor Lake System, going over the delivery system and the various parkland that is being irrigated within the system. The Town draws water from the various ditches and canals, but it makes the river whole with return flows. The Town also is obligated by agreement to send 1 CFS (cubic feet per second) to Water Valley.

There is a Non-Potable Water Master Plan (NPWMP) developed in 2010 which was set up to analyze current demands, the usage of existing supplies to meet demands, and project future demands and sources of supply including water acquisition, water storage, and system improvements.

There were several findings and recommendations, quite a bit of which has been completed, and some ongoing projects including incorporating Town Hall as part of irrigated acreage for Main Park. There are a couple of items that have been determined not to be feasible at this time including installing a drip irrigation at Folkstone Nursery.

The Town owns 100% of the Kern Reservoir, which originally included 1,800af of storage and 1,000 acres of irrigation. A case was filed in 2002, which the Town received an annual fill limit of 1,277af with an average of 1,048af, a return flow of 518af to the Poudre River, an annual consumptive use limit of 530af, and 500af were rented through an agreement to Front Range Energy. The Town dredged the lake and filed a case to enlarge the current reservoir. The Town claimed 1,966af with the right to fill and refill in priority.

The Parks and Open Spaces Department tracks all of the readings throughout the Town, as well as the irrigation usage for the wells, which is reported monthly to the state.

The Kyger Reservoir has a 1,257af of storage capacity, which can be obtained through gravity from the river, pumped from the river or pumped from the reservoir. There are 2 pumps that generate 20cfs, and the reservoir is used to augment parks, the school district, Kern RFO's and non-potable irrigation. The total cost for buying the land, the reservoir and the facilities is around \$5,000af.

3. Discussion: WaterSense Homes Specification

There are a couple of builders in Colorado that are recognized as WaterSense builders. Mr. Thornhill has tried to get builders to commit to building full WaterSense homes, and they said it would add \$15,000 to \$20,000 per home because the homes would have to be redesigned. To make a WaterSense home, it is more than just including efficient fixtures, it also includes making changes to rooms to make water delivery more efficient room to room.

If the Town offers rebates, it would be on WaterSense certified fixtures and appliances.

E. COMMUNICATIONS

1. Town Board Work Session July 15 – Water & Sewer Board Charter

This will be a review of the role of the Water and Sewer Board and a continuation of the discussion from the last Water and Sewer Board.

2. Recap of June 12, 2019 meeting with Greeley Water & Sewer Board

The Town had talked about the necessity to rent water for the next few years until NISP goes online. The Town also made clear that we want a seat at the table, not just a passive customer, and Greeley seemed receptive to that.

G. ADJOURN

Board Vice Chairperson Medina moved to adjourn the meeting at 7:47 am; Board Member Willey seconded the motion. Motion carried unanimously.

Submitted by:

A handwritten signature in blue ink, appearing to read "Erin Porter". The signature is written in a cursive, flowing style.

Erin Porter, Utility Billing Administrative Specialist