



TAYLORSVILLE-BENNION IMPROVEMENT DISTRICT
WATER CONSERVATION PLAN UPDATE 2019

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1.0 INTRODUCTION

1.1 Purpose of the Plan

The State of Utah continues to be one of the most rapidly growing states in the country. While Taylorsville-Bennion Improvement District (the District) is nearly build out, this pattern of growth has impacted the District. The District continues to experience growth and is significantly impacted by both growth and weather patterns. Droughts have significant impacts on the District's water supplies and its ability to meet the water demands of its customers. The District's water conservation efforts are directly related to the sustainability of the District's water supplies.

The State has indicated a water conservation goal to reduce water use 25% by 2025. This goal would be measured in terms of per capita water use reduction beginning with year 2000 as the base year. Water use in 2000 was calculated to be 244.5 gallons per capita per day (gpcd), therefore, district-wide water use will need to be reduced to 188 gpcd by 2025. In order to meet this goal, the District has been working with Jordan Valley Water Conservancy District (JVWCD) to implement water conservation programs, educate the public, reduce the demand for water, and delay costly water infrastructure development projects.

The 2019 Water Conservation Plan is an update of the 2004, 2009, and 2014 Water Conservation Plans required by the State. The plan outlines the water conservation activities and measures that will occur during the next five years. This document complies with the requirements of Utah State Code Section 73-10-32 which states that:

(2)(a) Each water conservation plan shall contain:

- (i) a clearly stated overall water use reduction goal and an implementation plan for each of the water conservation measures it chooses to use, including a timeline for action and an evaluation process to measure progress;
- (ii) a requirement that each water conservancy district and retail water provider devote part of at least one regular meeting every five years of its governing body to a discussion and formal adoption of the water conservation plan, and allow public comment on it;
- (iii) a requirement that a notification procedure be implemented that includes the delivery of the water conservation plan to the media and to the governing body of each municipality and county served by the water conservancy district or retail water provider; and
- (iv) a copy of the minutes of the meeting and the notification procedure required in Subsections (2)(a) and (iii) which shall be added as an appendix to the plan.

The District is updating its water conservation plan to conform to the state legislative mandate and to continue to direct the District's efforts to meet the State's conservancy goals.



2.0 WATER SYSTEM PROFILE

2.1 Water System ID

The 5-digit water system Identification Number assigned by the Division of Environmental Quality (DEQ) for the District is 18021.

2.2 Description of the District

2.2.1 Location: The District was formed in 1957 and is located in the Central Western portion of Salt Lake County, which lies along the Wasatch Front in Northern Utah. The District’s service area consists of West Valley City’s southern boundary (about 4100 South) to the north, West Jordan City to the south (at about 6500 South), and Murray City to the east closely following the Jordan River. The western boundary roughly aligns with 4800 West. Currently, the District is about 98% built-out. Figure 1 depicts the current service area of the District.

2.2.2 Population and household projections The District’s population primarily consists of Taylorsville City and portions of West Valley City, West Jordan City, and Kearns Township residents. The District’s population is estimated by using Taylorsville City’s reported population and adding 10,000 to account for the District’s residents living in portions of West Valley City, West Jordan City, and Kearns Township.

The Wasatch Front Regional Council (WFRC) has produced Population Projections and Household Size by Area.

Using WFRC projections Taylorsville-Bennion Improvement District expects 1-2% variance in population apart from a few areas in the district that may be developed as Multi-Residential increasing the population.

Table 1 District and City Population Projections

Year 2020-2050				
Geography	2020	2030	2040	2050
Taylorsville city	60933	60000	60113	62877
District	70933	70000	70113	72877

Table 2 Household Size by Area

Source: Governor's Office of Planning and Budget 2012 Baseline Projections

Area Name	2020	2030	2040	2050
Salt Lake County	2.81	2.64	2.59	2.56



2.3 District Connections

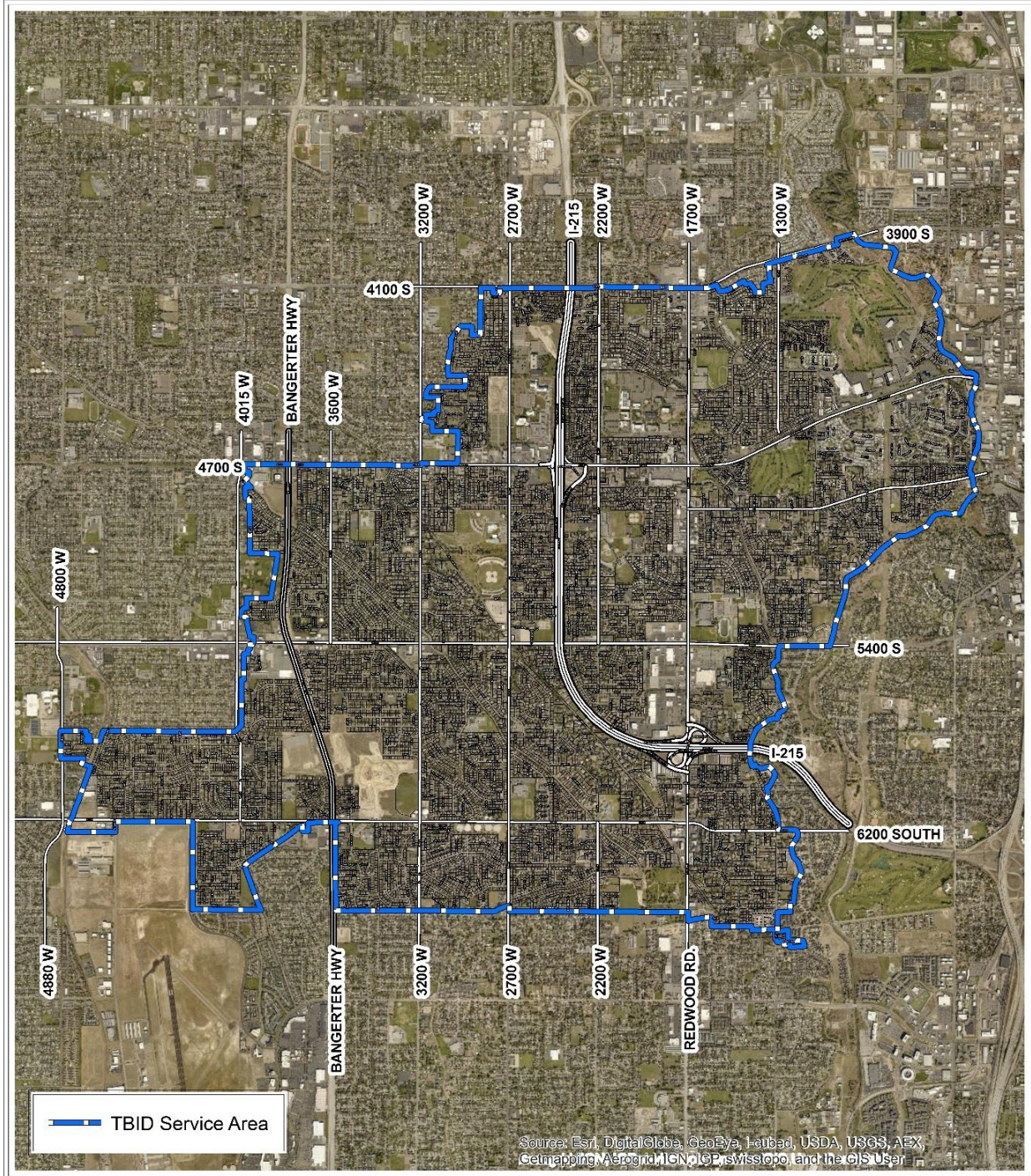
The District had 16,988 active accounts at the end of 2018. Table 3 shows the number of connections by Location Type.

Table 3 Current water connections by Location Types.

Year	Commercial	Residential	Industrial	Institutional	Total
2018	507	16,527	8	224	17266



Figure 1 District Service Area

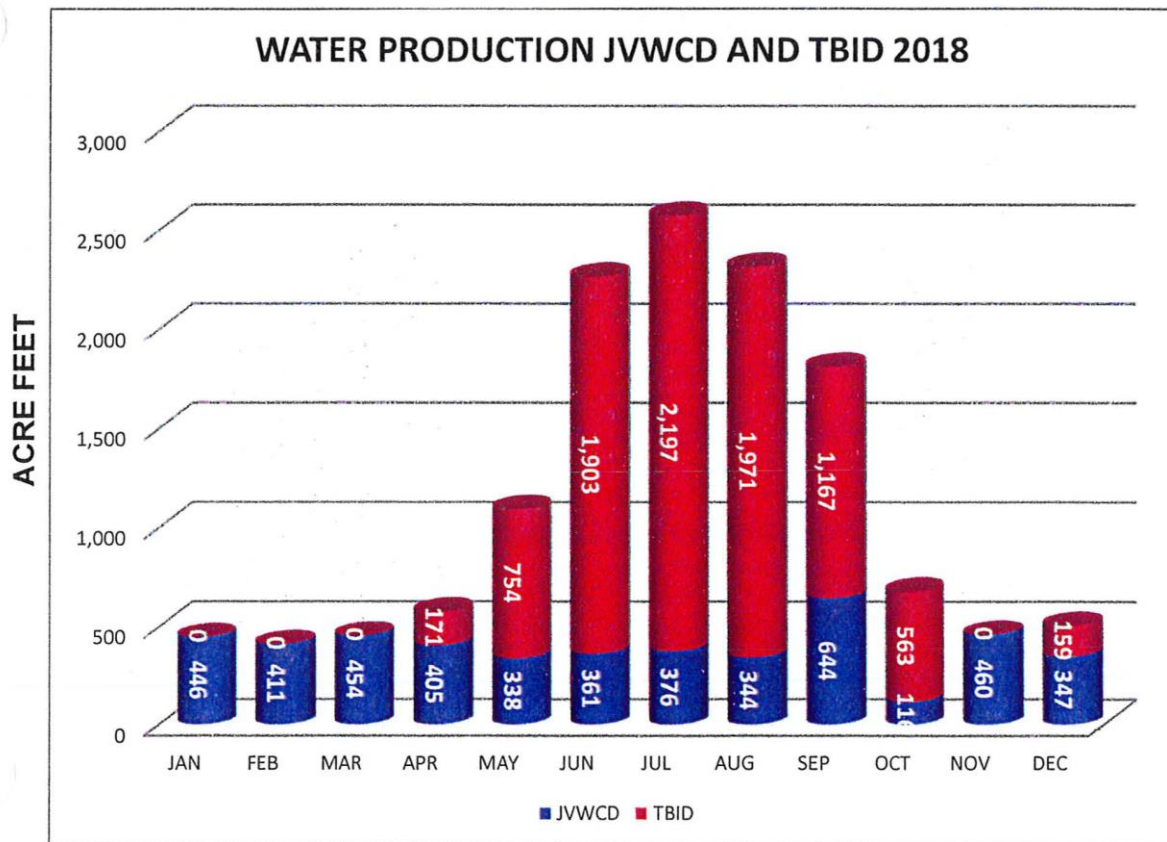


2.4 Water Supply

2.4.1 Water Production

The District's water production consists of water pumped from 9 active wells with 13 inactive wells at the end of 2018 and the availability to receive contracted water from JWCD. Water purchased from JWCD is treated surface water primarily from Deer Creek and Jordanelle Reservoirs.

Figure 2 Water Production



2.4.2 Storage Capacity

The District's total existing water storage is 55.5 million gallons within three pressure zones: Low Zone - 26 million gallons, Middle Zone - 19.5 Million gallons, and High Zone - 10 Million gallons.



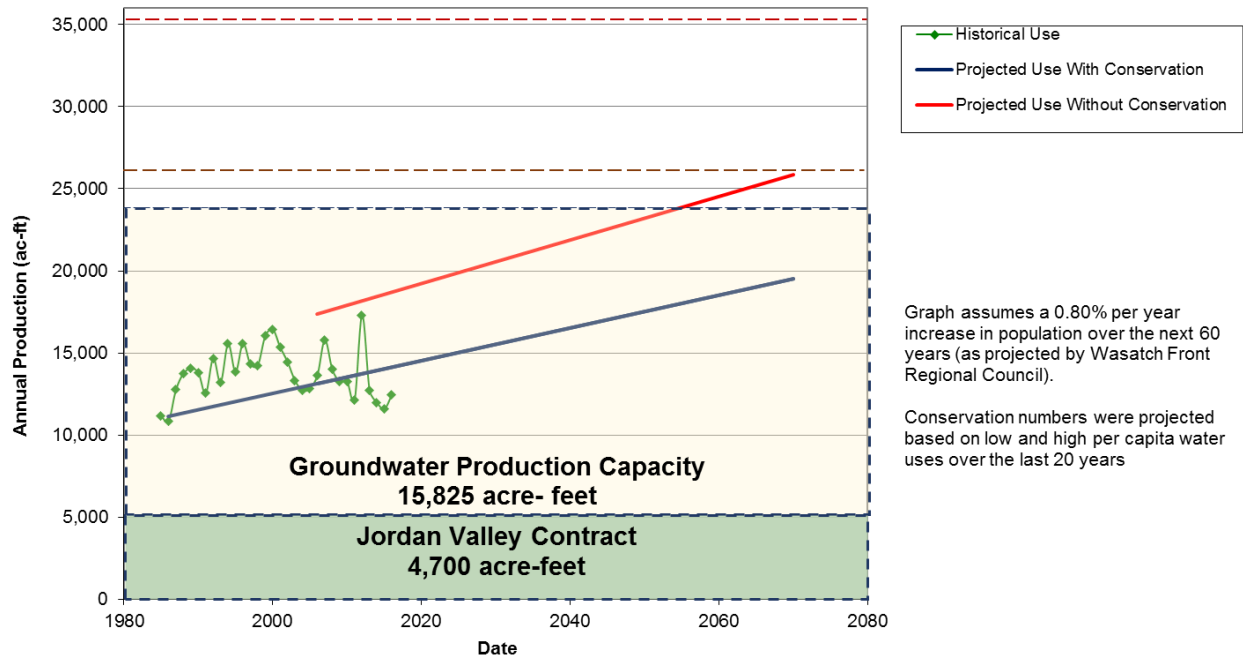
2.4.3 Water Use

Table 1 shows the recorded water produced by the District for 2000 – 2018. Currently only Salt Lake Community College uses irrigation water and no agricultural water use exists in the District.

Table 4 Yearly Demand on Taylorsville Bennion Improvement District Water System (2000-2018)

Year	Water Produced
	(Acre-ft/year)
2000	16,445.11
2001	15,350.32
2002	14,447.00
2003	13,305.99
2004	12,709.31
2005	12,840.64
2006	13,626.66
2007	15,781.58
2008	14,032.75
2009	13,259.89
2010	13,263.68
2011	12,120.88
2012	14,864.75
2013	13,406.88
2014	12,842.51
2015	12,534.31
2016	13,435.67
2017	13,050.42
2018	13,586.38

Figure 3 Reliable Supply Data



2.4.4 New Sources

The District has an active well rehabilitation program to prolong the useful well life. Two replacement wells have been identified and are tentatively scheduled with costs projected in the 20-year plan: Barker replacement well 2028/2029 at \$2.5 million and Atherton replacement well 2035/2036 at \$3 million.

Jordan Valley Water Conservancy District is contracted to provide 4,700 acre/ft per year with no additional supply capacity requested or anticipated from the District.

2.5 Water Measurement and Billing

2.5.1 Water Measurement

The District sells water by the metered thousands of gallons. Tiered rates were implemented in March 2018.

Table 5 District Tiered Rates 2018-2022

BLOCK VOLUME RATE (\$/kgal)	2018	2019	2020	2021	2022
Single Family, Multifamily, and Mobile Home					
Block 1 < 6,000 gals	\$1.43	\$1.43	\$1.43	\$1.43	\$1.43
Block 2 6,000 – 25,000 gals	\$1.87	\$1.87	\$1.87	\$1.87	\$1.87
Block 3 25,000 – 45,000 gals	\$2.06	\$2.06	\$2.06	\$2.06	\$2.06
Block 4 > 45,000 gals	\$2.38	\$2.38	\$2.38	\$2.38	\$2.38
Non-Residential					



All Use		\$1.82	\$1.82	\$1.82	\$1.82
WATER AVAILABILITY	2018	2019	2020	2021	2022
Single Family, Multifamily (1st Unit) and Non-Residential (1st ERU)	\$7.00	\$8.00	\$9.00	\$10.00	\$11.00
+Charge per each additional unit	\$5.40	\$6.40	\$7.35	\$8.30	\$9.25
Residential – Privately Maintained Infrastructure (1st Unit)	\$6.58	\$7.58	\$8.58	\$9.58	\$10.58
+Charge per each additional unit	\$4.98	\$5.98	\$6.93	\$7.88	\$8.83
Mobile Home Parks – Utah Code 57-16-10 (1st Unit)	\$5.27	\$6.27	\$7.27	\$8.27	\$9.27
+Charge per each additional unit	\$3.67	\$4.67	\$5.62	\$6.57	\$7.52

2.5.2 Water Loss and Prevention Program

The District actively works to keep water loss to a minimum by performing annual water audits, having an active leak detection program, and by improving meter accuracy.

The District employees are on-call 24 hours a day and 7 days a week to respond to water main line breaks, helping to reduce the amount of loss with most repairs being made within a few hours of the initial report.

Annual water audits are performed and create a reporting structure to identify the amount of water loss.

The District has an active leak detection program which systematically uses Leak Loggers to locate probable water loss.

Pipeline replacement is part of a 20-year capital replacement plan that identifies problematic pipelines for replacement, reducing the risk of main line breaks and water loss.

Customers are notified through their monthly bill that there may be a leak in their water system when the water meter detects a continuous flow of water at their residence or business.



2.6 Water Use

Based on yearly water production in 2000 and 2018 (Figure 2), the reduction of per capita water use was from 244.69 gpcd in 2000 to 173.29 gpcd in 2018. This is a 29% reduction in water use. This reduction can be attributed to water conservation efforts. The State’s goal is to reduce water use to 183.375 gpcd by 2025. Based on this number, the District has already exceeded its water conservation goals. While conservation efforts are working, the District will continue to work to improve conservation within its boundaries.

Table 6 Gallons per Capita per Day

Year	GPCD
2000	244.69
2001	228.40
2002	214.96
2003	171.54
2004	163.25
2005	166.14
2006	176.31
2007	203.74
2008	180.77
2009	170.45
2010	170.50
2011	156.14
2012	191.35
2013	172.21
2014	164.54
2015	159.48
2016	170.10
2017	164.99
2018	173.29

*The numbers shown in 2003 were skewed because of a shift in population calculation methods. The numbers shown are calculated based on an average of 2002 and 2004.



Figure 4 Gallons per Day per Capita

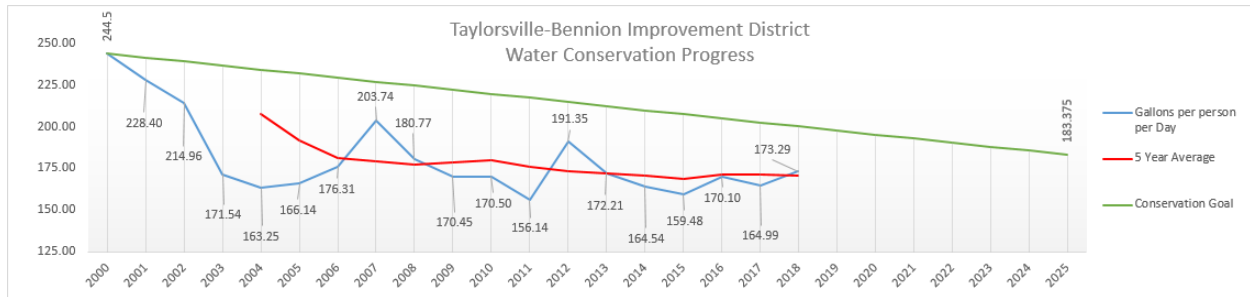


Table 7 GPCD by Type and Use

	Indoor (Winter Use- January 2018)	Potable (Outdoor- July 2018)	Non-Potable (Secondary)	Total
Residential	51	269	N/A	320
Commercial	6	24	N/A	30
Institutional	1	1	N/A	2
Industrial	1	58	N/A	59
Total	60	352		411

Table 8 Metering Information 2018

Culinary Water Use Category	Annual Quantity		Percent of metered		Reading Frequency	Calibration Schedule
	(Thousands of Gallons)	Number of Active Connections	Connections by Type			
Residential	3,226,946	16527	100.00%		Monthly	*
Commercial	308,419	507	100.00%		Monthly	**
Institutional	37,856	8	100.00%		Monthly	**
Industrial	536,422	224	100.00%		Monthly	**
Total	4,109,643	17266				

*The District is in the initial years of a residential meter testing program. In 2018 100 random 5/8th meters were tested.

**District meters larger than 2 inches are scheduled for tested on an annual basis.



3.0 CONSERVATION BEST MANAGEMENT PRACTICES (BMP's)

The District continues to make efforts in water conservation by following the Division of Water Resources' best management practices for past 5 years as presented below:

3.1 *Water Conservation Coordinator, Committee or Team*

- a) Hire or designate a Water Conservation Coordinator (WCC).

District status: The District has a designated Water Conservation Coordinator responsible for the preparation and implementation of the WCP.

Dan McDougal
1800 West 4700 South
P.O. Box 18579-0579
Taylorsville, UT 84118

Office phone: 801-968-9081

- b) Create a committee/team/board with a chair that includes a combination of the following participants; WCC, Public Works Director, City Council Member, and/or applicable local advocacy group member to help research, coordinate, create and implement public information campaign(s), water conservation programs and incentives.

District status: The District's WCC works with the District's executive management and JWWCD's Conservation Action Committee coordinate to create and implement public information campaign(s), water conservation programs and incentives.

3.2 *Water Conservation Plan (WCP)*

- a) Develop a WCP. More information at www.conservewater.utah.gov/wcp.html.

District status: A WCP has been produced for the District every five years since 1999.

- b) Provide contact information, system profile, water use history and detail specific ongoing and new conservation programs.

District status: Section 2 of this WCP provides provide contact information, system profile, water use history with detail specific ongoing and new conservation programs outlined in Section 3 and 4.

3.3 *Public Awareness/PR*

- a) Develop or utilize existing messaging from Slow the Flow, DWRe Conserve Utah, QWEL and/or WaterSense.

District status: The District promotes Localscapes, Conservation Garden Park, and DWRe messaging.

- b) Display educational materials & resources on agency website, social media & bills.

District status: The District utilizes its social media postings and website to display educational materials.

- c) Offer agency materials and resources to community partners for distribution.

District status: The District has provided Taylorsville City planning department with educational materials for distribution.

- d) Hold or collaborate events, programs and/or presentations.

District status: The District has participated in Taylorsville Dayzz, YMCA, and Water week open houses and events

3.4 Education/Training

- a) Provide adult efficient water use education and training.

District status: The District promotes and encourages its customers to participate in Localscapes.

- b) Provide or support youth education programs for elementary school students.

District status: Elementary school children from the District service area visit the Conservation Garden Park.

- c) Provide or recommend a water-wise demonstration garden.

District status: The Conservation Garden Park is highly recommended and promoted by the District.

- d) Educate customers about new water saving technology. Example: weather based smart timers.

District status: Utah water savers is promoted by the District educating our customers about new water saving technology.

- e) Provide new homeowner landscape information.

District status: New homeowners have landscape information available to them as they sign up for service.

- f) Participate and promote large efficient landscape training and programs: - <https://www.qwelutah.com/training/>

District status: The District promotes Landscape Leadership Grants and QWEL workshops for landscape professionals.

- g) Create and/or distribute “how to video’s”. Example: switching to drip.

District status: “How to video’s” are promoted by the District being offered through Localscapes.

3.5 Outreach Services

- a) Offer or collaborate on residential water audit programs.

District status: The District works with Utah Water Savers to conduct a residential water audit program.

- b) Offer or collaborate on landscape consultation programs.

District status: A District representative participates with Localscapes consultation professionals when a consultation involves a District resident.

- c) Offer residential water budgeting program.

District status: Equal pay is offered to District residents helping residents budget for summer water expenses.

- d) Offer indoor and outdoor retrofit kits.

District status: The District works with Utah Water Savers Toilet Replacement and Smart Controller Rebates.

- e) Perform outdoor high-water use inquiries and resolution techniques.

District status: The District customer receives a continuous flow notice on their bill or by email indicating possible high-water use.

- f) Perform and address water waste investigations.

District status: When notified by customers or DWRe shame report, District employees will investigate and communicate the results of the investigation.

- g) Identify structures built before 1992 and organize low efficiency fixture replacements.

District status: The toilet replacement facilitated by Utah Water Savers may expand into this area of fixture replacements in the future.

3.6 Rebates/ Incentives/ Rewards

- a) Offer or collaborate on rebates for high efficiency appliances, fixtures, irrigation smart timers, drip irrigation, nozzles, shut off hose valves, and landscape conversions.

District status: The District offers rebates and rewards participation through Utah Water Savers.

- b) Promote rebates offered in your service area.

District status: The District utilizes the local Taylorsville Journal, District website, brochures, and messages on customer bills.

3.7 Ordinances & Standards

- a) Adopt a time-of-day watering ordinance. Example: no watering between 10-6pm.

District status: The District does not have ordinance authority but recommends customers follow the general watering guide for central/northern Utah.



- b) Adopt an ordinance requiring a water-efficient landscaping option in all new residential development.

District status: JWCD has been developing a model ordinance for the cities to consider.

- c) Review existing plumbing codes and revise them as necessary to ensure water-conserving measures in all new construction.

District status: Local government building officials have jurisdictional authority for the plumbing code.

- d) Adopt an ordinance requiring water-efficient landscaping in all new commercial development.

District status: Local government with jurisdictional authority.

- e) Change business license requirements to require water reuse and recycling in new facilities.

District status: Local government with jurisdictional authority.

- f) Mandate retrofit upon resale.

District status: Local government with jurisdictional authority.

3.8 Water Pricing

- a) Utah S.B.28 requires water rates rise for higher tiers of consumption.

District status: The District implemented tiered rates in March 2018.

- b) Charge for secondary water based on individual use.

District status: The District does not supply secondary water.

- c) High water use notification.

District status: Notification of a continuous flow of water through their meter is noted to the customer on their monthly bill.

3.8.1 Physical System

- (a) Install & maintain efficient irrigation, utilize water-wise landscaping & smart controller technology at agency facilities.

District status: The District has made significant water wise landscaping improvements at its reservoir sites including the use of smart controllers.

- (b) Perform agency water system audit

District status: The District performs an annual water audit.

- (c) Implement leak detection program.

District status: The District has an active leak detection program.



- (d) Meter all connections (UT SCR 1), repair and replacement program, read meters on a regular basis.

District status: All service connections in the District are metered. Meters are repaired or replaced monthly with a District wide replacement program in place. The District reads all meters monthly.

- (e) Consider water re-use.

District status: The District has worked with Central Valley Water Reclamation Facility to explore additional options.

4.0 PLANNED WATER CONSERVATION MEASURES

4.1 Advanced Metering Infrastructure (AMI)

AMI improves efficiency and helps conserve water by providing timely information customers can use to adjust their usage. The District's 20-year plan has AMI scheduled for implementation in the years 2023 – 2024.

4.2 Waterwise Landscape upgrades

The District is developing plans to upgrade remaining District owned properties to waterwise landscapes utilizing JWVCD member agency grant program.

4.3 Additional Conservation Measures

The District will continue to participate and promote water conservation efforts with:

- Jordan Valley Water Conservancy District
- Conservation Garden Park
- Localscapes
- Utah Division of Water Resources

5.0 APPENDIX

5.1 Resolution Adopting the Plan Update



Resolution of the Board of Trustees

RESOLUTION # 19-25

WATER CONSERVATION PLAN UPDATE

WHEREAS, pursuant to §73-10-32, UCA (the "Act"), Taylorsville-Bennion Improvement District (the District) prepared a Water Conservation Plan in 1999, prepared updates to its plan every five years as required, and has now prepared an update to its Water Conservation Plan; and

WHEREAS, the District has established in its Water Conservation Plan a conservation goal to reduce water use within its service area by 25% by 2025; and


WHEREAS, the Water Conservation Plan identifies existing and proposed water conservation measures and programs needed to continue making progress towards achieving the goal; and

WHEREAS, pursuant to the Act, the District has held a public hearing, after reasonable and advance notice, for purposes of inviting and encouraging discussion and public comment on the Water Conservation Plan.

NOW THEREFORE, BE IT RESOLVED, by the Board of Trustees:

1. The update to the District's Water Conservation Plan is formally approved.
2. Taylorsville-Bennion has met the requirements of the Act in its preparation and update of the Water Conservation Plan.
3. The General Manager is authorized and directed to cause a copy of the Water Conservation Plan to be filed with the Utah Division of Water Resources and with all other persons or entities deemed appropriate.

PASSED, APPROVED AND ADOPTED this 22nd day of November, 2019.



Don Russell, Board Chair

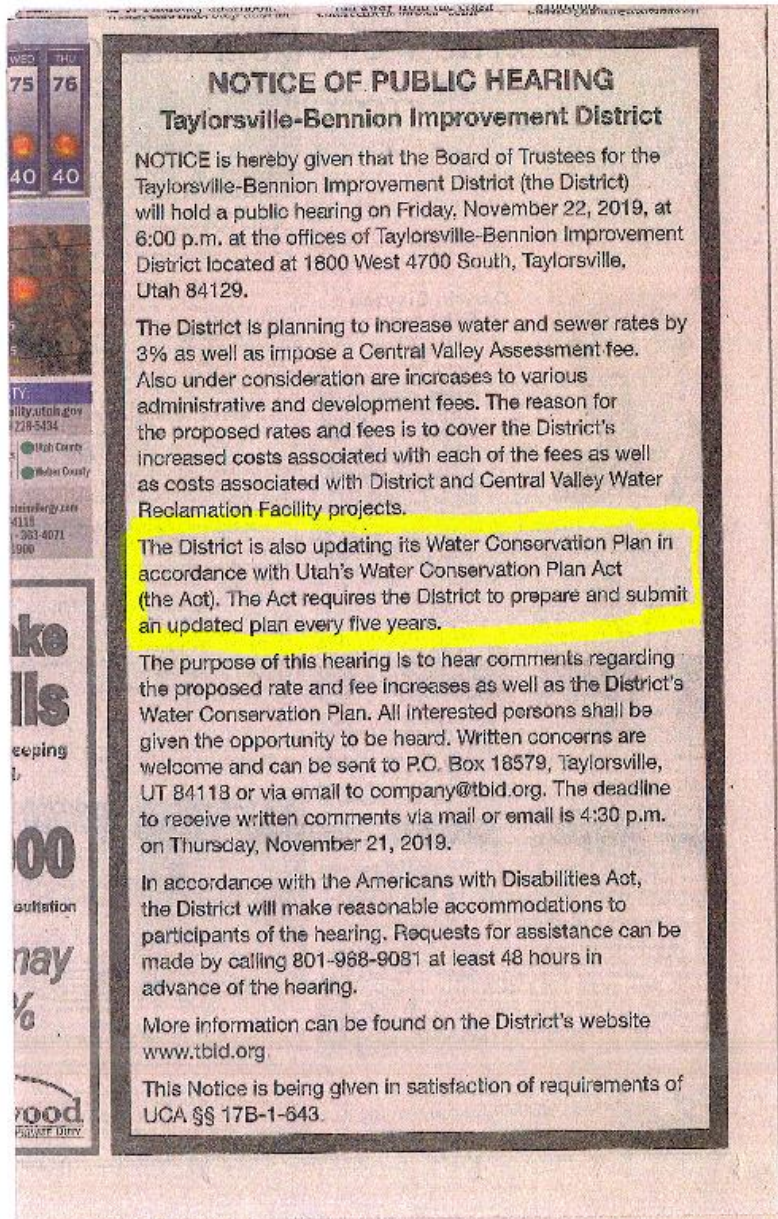


Mark Chalk, District Clerk



5.2 Notices of Public Hearing

In accordance with Utah Code 17B-1-643, notice of the public hearing to receive public comment regarding the District’s Intent to increase Rates and Fees as well as to update the District’s Water Conservation Plan was published in the Deseret News on November 1st and November 8th. The agenda was also posted on the Utah Public Notice website. In addition, the District posted notice of this hearing on its Facebook page and attempted to notify the public by including a message on their November bill. The District has met all legal noticing requirements for this public hearing.



5.3 Public Hearing Agenda



Taylorsville-Bennion Improvement District
 1800 West 4700 South, Taylorsville, Utah 84129

**NOTICE OF REGULAR MEETING
 OF THE BOARD OF TRUSTEES OF
 TAYLORSVILLE-BENNION IMPROVEMENT DISTRICT**

The meeting of the Board of Trustees of the Taylorsville-Bennion Improvement District will be held at the District Office, 1800 West 4700 South, on November 22, 2019 at 4:00 pm.

1. Call to order - Opening Prayer
2. Public Comments
3. Approval of Common Consent Items: Minutes for Board meeting held October 24, 2019, calendar and upcoming events, trustees expense report, accounts payable report, electronic fund transfers report
4. Risk & Asset Management Matters
 - a. Consider approval of property and liability insurance coverages and carriers
 - b. Discussion on uniforms and fleet
5. Finance & Information Matters
 - a. Discussion on Water Meter Charges & Connection Fees
 - b. Consider approval of the Tentative Budget for 2020
6. Discussion and Reports
 - a. General Manager- Sunstone Property sold, holiday gifts for employees, Summit Vista rate review, review Board Meeting Schedule 2020
 - b. Director of Engineering/Development - Projects and developments update
 - c. Director of Finance/Information - October financials, EUM
 - d. Director of Operations/Maintenance - October water reports
 - e. Director of Risk/Asset Management – Customer water usage report
 - f. Attorney
 - g. Trustee - Central Valley Water Reclamation Facility
 - h. Trustee - Utah Association of Special Districts
7. Closed Meeting
 - a. To discuss the character, professional competence, or physical or mental health of an individual.
8. Public Hearing
 - a. Public hearing rules and procedures
 - b. Rate and fee Presentation
 - c. Water Conservation Plan Presentation
9. Administrative Matters
 - a. Consider approval of the rates & fees for 2020
 - b. Consider approval of Resolution 19-25 - Water Conservation Plan Update
10. Adjourn

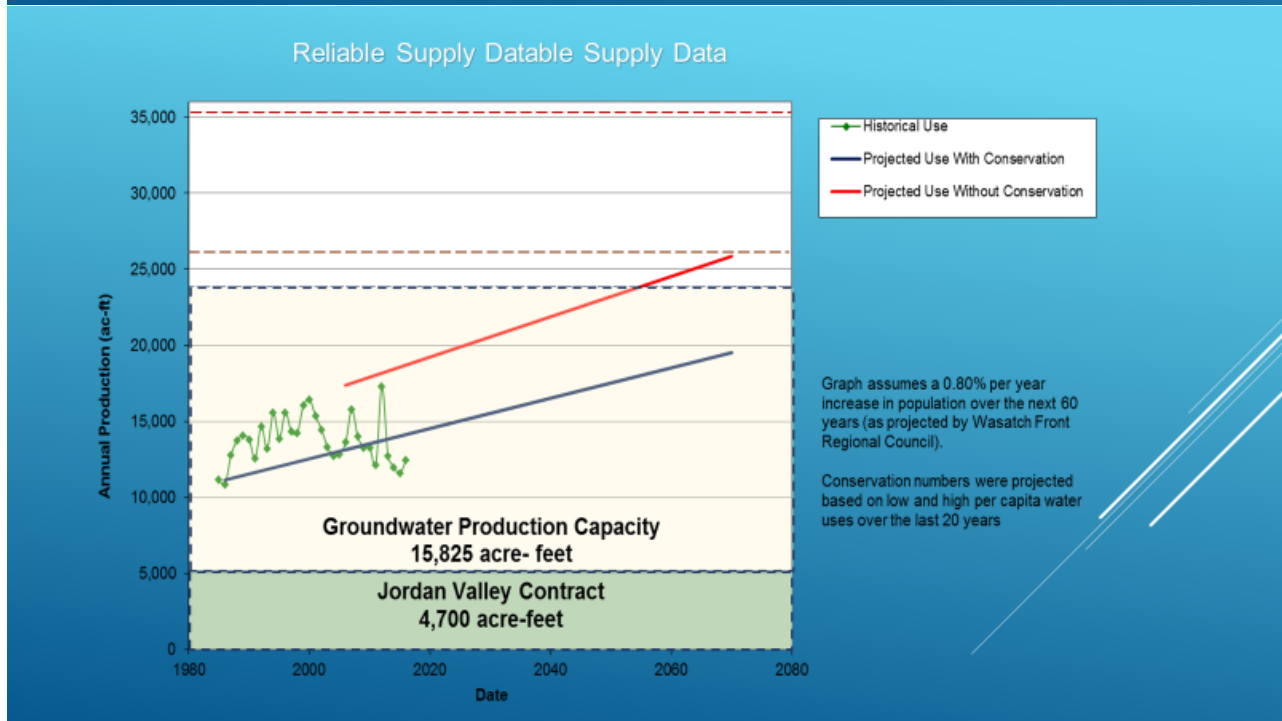
By: _____
 Mark E. Chalk, General Manager

Reasonable accommodation will be made for disabled persons needing assistance to attend or participate in this meeting. Please contact Dora Dominguez at 801- 968-9081 at least 48 hours before meeting.



5.4 Water Conservation Plan Update 2019 Summary – Public Hearing power point

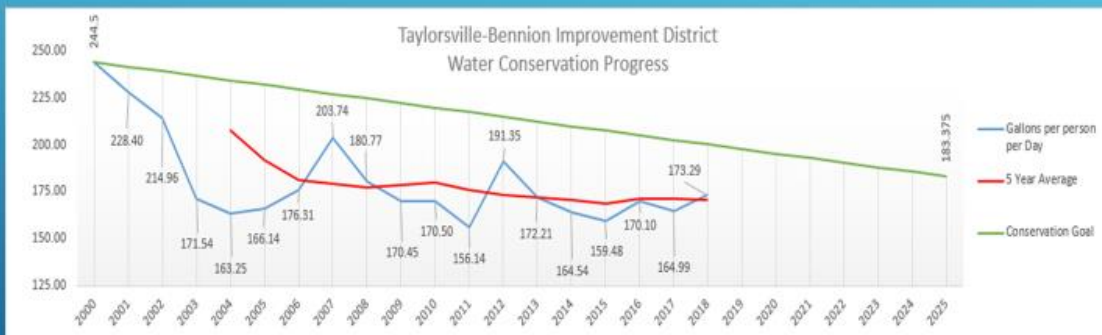
TAYLORSVILLE-BENNION IMPROVEMENT DISTRICT WATER CONSERVATION PLAN UPDATE 2019 SUMMARY



WATER LOSS AND PREVENTION PROGRAMS

- ▶ The District actively works to keep water loss to a minimum by performing annual water audits and having an active leak detection program.
- ▶ The District employees are on-call 24 hours a day and 7 days a week to respond to water main line breaks, helping to reduce the amount of loss with most repairs being made within a few hours of the initial report.
- ▶ The District has an active leak detection program which systematically uses Leak Loggers to locate probable water loss.
- ▶ Pipeline replacement is part of a 20-year capital replacement plan that identifies problematic pipelines for replacement, reducing the risk of main line breaks and water loss.
- ▶ Customers are notified through their monthly bill that there may be a leak in their water system when the water meter detects a continuous flow of water at their residence or business.

GALLONS PER DAY PER CAPITA



CONSERVATION BEST MANAGEMENT PRACTICES

- ▶ The District has a designated Water Conservation Coordinator that works with the District's executive management and JWCD's Conservation Action Committee coordinate to create and implement public information campaign(s), water conservation programs and incentives.
- ▶ Public awareness is accomplished by utilizing existing messaging from LocalScapes, Conservation Garden Park, DWRe Conserve Utah, QWEL and/or WaterSense.
- ▶ Education/Training promoting and encouraging its customers to participate in LocalScapes, Elementary school children from the District service area visit the Conservation Garden Park.
- ▶ Outreach service working with Utah Water Savers to conduct a residential water audit program with a District representative participating with LocalScapes consultation professionals when a consultation is requested by a District resident.
- ▶ Rebates/ Incentives/ Rewards through Utah Water Savers.
- ▶ Notification of a continuous flow of water through their meter is noted to the customer on their monthly bill.
- ▶ Planned water conservation measures include Advanced Metering Infrastructure (AMI) improves efficiency and helps conserve water by providing timely information customers can use to adjust their usage. The District's 20-year plan has AMI scheduled for implementation in the years 2023 – 2024.

UTAH WATER SAVERS

Programs and Rebates



TOILET REPLACEMENT

ALL OF UTAH

Old toilets are wasting gallons of wasted water in Utah homes. Rebates will only be given for replacing toilets that use more than 1.6 gallons per flush and were installed in homes built before 2014.



SMART CONTROLLER REBATES

ALL OF UTAH

Smart controllers can help save water by automatically adjusting watering schedules based on local weather and landscape needs. Rebates to stop watering about turning your sprinklers off after it rains. Rebates for smart controllers are available throughout the state.



LOCALSCAPES REWARDS

ANY OF UTAH

LocalScapes Rewards helps you get a landscape that saves in Utah water. From over 1000 plants and shrubs to trees and lawns, you may qualify for cash rewards and a free review of your landscape plan!



LANDSCAPE CONSULTATIONS

ANY OF UTAH

Want to improve your existing landscape? Sign up for a free consultation to get expert advice about your watering practices, landscape, and other water issues.



FLIP YOUR STRIP

ANY OF UTAH

Park strips are one of the most difficult places for grass to thrive and to maintain. This program offers cash rebates to help your park strip be water-efficient and beautiful.

Utahwatersavers.com



5.5 Public Hearing Minutes

(Applicable pages)

**MINUTES
 TAYLORSVILLE-BENNION IMPROVEMENT DISTRICT
 Board Meeting
 November 22, 2019
 Taylorsville-Bennion Board Room**

Board Members Present

Don Russell	Chairman
Gary Swensen	Trustee
Russ Wall	Trustee

Staff Members Present

Mark Chalk	General Manager/Clerk
Tammy North	Director of Engineering & Development
Shawn Robinson	Director of Operations & Maintenance
Bruce Hicken	Director of Finance & Information/Treasurer
Dan McDougal	Director of Risk & Asset Management
Dora Dominguez	Executive Assistant & Office Supervisor

Also Present

Todd Godfrey	Legal Counsel
Darrell Child	Olympus Insurance
Brian Child	Olympus Insurance

The Board Chairman, Don Russell, opened the meeting at 4:00 pm and welcomed everyone to the monthly board meeting. The invocation was offered by Trustee Russ Wall.

Approval of Common Consent Items

The Chairman discussed the approval of common consent items including the October 24, 2019 Board meeting minutes, calendar, upcoming events, expense report and accounts payable.

The accounts payable report included in the board book contains construction, operation, and maintenance vouchers #13377-13749 for a total of 373 vouchers, with a dollar amount of \$5,277,286.19; including voided voucher #13594. The accounts payable report also includes electronic fund transfers in the amount of \$219,168.16. The report was directed to be appended to the minutes.

After discussion, the following motion was made by Trustee Wall and seconded by Trustee Swensen:

RESOLVED: To approve the common consent items. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.



The District sold 639 acre feet of which 274 acre-feet were produced by the District and 364 acre-feet were purchased from Jordan Valley. After the review, the schedules were directed to be appended to the minutes.

Director of Risk & Asset Management: Customer water usage report

The Director of Risk & Asset Management, Dan McDougal reviewed the customer water usage reports and noted that overall usage is down and is bringing customers into the lower tiers.

Legal Counsel – Nothing to report.

Central Valley Water Reclamation Facility – Nothing to report.

Utah Association of Special Districts – Nothing to report.

Closed Session for the purpose of discussing character, professional competence or physical or mental health of an individual

The following motion was made by Trustee Wall seconded by Trustee Swensen:

RESOLVED: To go into closed session for the purpose of discussing the character, professional competence or physical or mental health of an individual. The motion passed with the following voting in the affirmative: Trustees Russell, Swensen and Wall.

Come out of closed session:

The following motion was made by Trustee Wall seconded by Trustee Swensen.

RESOLVED: To return to the regular Board meeting from the closed session. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.

Public Hearing

Board Members Present

Don Russell	Chairman
Gary Swensen	Trustee
Russ Wall	Trustee

Staff Members Present

Mark Chalk	General Manager/Clerk
Tammy North	Director of Engineering & Development
Shawn Robinson	Director of Operations & Maintenance
Bruce Hicken	Director of Finance & Information/Treasurer
Dan McDougal	Director of Risk & Asset Management
Dora Dominguez	Executive Assistant & Office Supervisor



and taxes as low as possible for the District's customers. He recommended to increase the Rates and Fees as discussed.

Presentation of the update to the District's Water Conservation Plan

The Director of Risk & Asset Management, Dan McDougal presented the update to the District's Water Conservation Plan. He discussed the historical usage per capita and the projected use with and without water conservation over the next 60 years. The data assumes a .80% per year increase in population as projected by Wasatch Front Regional Council. Conservation numbers were projected based on low and high per capita water users over the last 20 years. According to the projection, the District will be able to meet customer demands. Mr. McDougal highlighted some of the water loss and prevention programs that the District performs. He also discussed some of the District's best conservation practices. Mr. McDougal indicated that he considers the Landscape Consultation one of the most beneficial programs that are available to the District's customers. Customers grant permission for Jordan Valley to access and analyze the water data on their property. Jordan Valley and TBID then partner up for a customer consultation. They review Jordan Valley's findings and recommend proper design, installation and maintenance of waterwise landscapes. Mr. McDougal recommended the approval of the update to the District's Water Conservation Plan as discussed.

The Chairman opened the hearing for any comments or discussion from the Trustees, District Management, and Public. There were no questions or comments.

Close public comment. The following motion was made by Trustee Wall seconded by Trustee Swensen:

RESOLVED: To close the public comment section. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.

Close public hearing. The following motion was made by Trustee Wall seconded by Trustee Swensen:

RESOLVED: To close the public hearing. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.

Consider approval of the rates & fees for 2020

The following motion was made by Trustee Wall seconded by Trustee Swensen:

RESOLVED: To approve the 2020 rates & fees as discussed in the presentation. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.

Consider approval of Resolution 19-25, Water Conservation Plan Update

The following motion was made by Trustee Swensen seconded by Trustee Wall:

RESOLVED: To approve Resolution 19-25, the Water Conservation Plan Update as discussed in the presentation. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.

Adjourn -- The following motion was made by Trustee Wall and seconded by Trustee Swensen:

RESOLVED: To adjourn the November 22, 2019 Board meeting, the time was 6:24 pm. The motion passed with the following individuals voting in the affirmative: Trustees Russell, Swensen and Wall.



Don Russell, Chair of the Board of Trustees

