

2019

Water Conservation Plan

December 2019

Prepared for:



Prepared by:



HERRIMAN CITY WATER CONSERVATION PLAN

DECEMBER 2019

Prepared for:



Prepared by:



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INTRODUCTION

Attitudes toward water supplies are changing. Water is no longer considered to have an endless supply, but is valued as a limited commodity that needs to be managed carefully. With this shift in attitude, conservation is becoming a larger part of water suppliers' plans to meet future water needs in Utah. Many water suppliers throughout the country have adopted conservation programs. Benefits experienced as a result of these programs include:

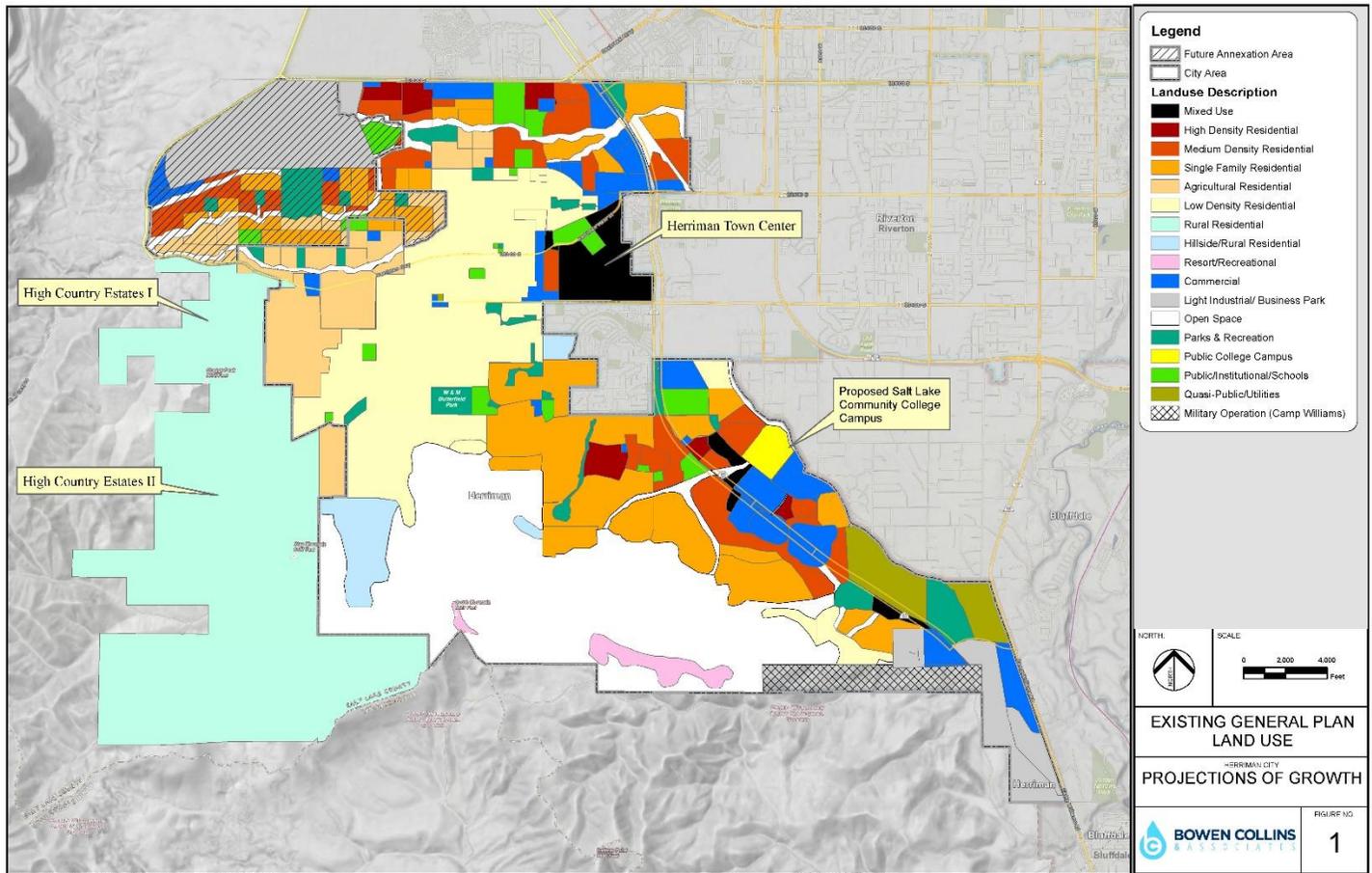
- Using existing water supplies more efficiently.
- Maximizing utilization of existing water conveyance, treatment and distribution facilities.
- Delaying or deferring expensive construction of capital improvement projects.
- Reducing the need for additional water supplies.

Herriman City has adopted water conservation as a key element in its long-term plan to serve its customers. As a result, the City has already reduced per capita water use by 18% since 2010. However, the City recognizes that per capita water use may return to higher levels without continued emphasis on the importance of conservation. Since sustained additional water conservation will be an important component in the City's plans for future water use, this water conservation plan evaluates the City's current conservation program, establishes the City's new conservation goal and discusses additional measures that will result in the increased conservation of water.

HERRIMAN CITY WATER SYSTEM SERVICE AREA

Figure 1 shows the Herriman City corporate boundaries, water system service boundaries and the City’s general plan for land use. For the most part, the system serves all development within the incorporated area of Herriman City. Herriman City also serves some of the demands of the High Country Estate subdivisions (Phases I and II which are not part of Herriman City) as a wholesale supply to the subdivisions. The general plan includes a currently undeveloped and unannexed area on the northwest boundary of the City.

Figure 1 Herriman City Service Area



HISTORIC POPULATION AND FUTURE GROWTH

Herriman City is located within Salt Lake County near the south west end of the county boundary. Since the City's establishment in 1999, Herriman has significantly developed and grown with an estimated existing water system service area population of 51,681 people in 2018.

While Herriman City has experienced large amounts of growth in the past, substantial future growth through annexations and new development is expected. The historic and projected population estimates for Herriman City water system service area are shown in Table 1. Population projections from the years 2000-2060 have been obtained from the City's 2019 Water Master Plan prepared by Bowen Collins and Associates (BC&A). It is important to note that an update to the City's Water Master Plan is currently in progress and is expected to be completed early in 2020. The 2019 Conservation Plan Draft will be updated accordingly once the Water Master Plan is finalized.

**Table 1
Historic and Projected Water Service Area Population¹**

Year	Herriman City Water System Residential Population
2000	1,523
2005	12,393
2010	21,785
2015	34,801
2020	62,010
2025	79,568
2030	93,465
2035	102,904
2040	108,668
2045	111,961
2050	113,772
2055	114,746
2060	115,265

¹Historic and projected population values have been taken from those developed for the City's 2019 Water Master Plan.

EXISTING WATER USERS (MUNICIPAL & INDUSTRIAL CONNECTIONS)

To quantify the amount of water that can reasonably be conserved in Herriman City, a cursory analysis of current water use patterns has been performed. Usage among different classes of customers for the year 2018 is presented in Table 2.

Culinary Water Usage

Roughly 96 percent of the culinary meters in Herriman City are residential connections, accounting for 85 percent of the total culinary water use. Hence, residential water use represents the largest single area for potential conservation. Herriman City also has a small number of culinary commercial connections. While comprising approximately 2 percent of the total number of meters, commercial customers accounted for 8 percent of Herriman City’s culinary water use. In addition, roughly 1.5 percent of the total culinary meters in Herriman City are institutional connections, accounting for nearly 7 percent of total water use. Thus, commercial and institutional accounts should not be overlooked as potential contributors to future conservation efforts. It should also be noted that the City has no existing industrial connections.

Secondary Water Usage

Secondary water connections accounted for 10 percent of total water connections in Herriman City and approximately 12 percent of combined culinary and secondary water use. While detailed data for secondary water connections and usage by customer is currently unavailable, Herriman City intends to incorporate more information about the City’s secondary water system into future conservation plans as data reliability continues to increase.

**Table 2
2018 Water Usage by Connection Type¹**

Customer Class	Accounts	% of Connections	Annual Water Use (acer-ft)	% of Total Water Use
Residential	10,525	96.6%	6848.8	85.3%
Commercial	206	1.9%	630.3	7.9%
Industrial	0	0.0%	0	0.0%
Institutional	160	1.5%	548.72	6.8%
Total Culinary	10,891	100.0%	8,028	100.0%
Total Secondary ²	1,245	100.0%	1,127.9	100.0%
Combined Culinary and Secondary				
Culinary	10,891	90%	8,028	88%
Secondary ²	1,245	10%	1,127.9	12%
Total Culinary & Secondary	12,136	100%	9,156	100%

¹Water usage by connection type data obtained from the Utah Division of Water Rights Public Water Supplier Information.

² Secondary account and usage data obtained from Herriman City. Reliable secondary usage data by customer class is currently unavailable.

CURRENT AND FUTURE WATER SUPPLY

The following section summarizes Herriman City’s current and future water supply as documented in Herriman City’s 2019 Water Master Plan (BC&A). The existing supply for Herriman City is summarized in Table 3 below.

**Table 3
Estimated Culinary Production – Herriman City Dry and Average Years¹**

Supply Category	Estimated Production (acre-ft)
Welby Jacob Canal (Secondary)	3,140
Existing Wells	3,680
Purchased From Jordan Valley Water Conservancy District	2,667
Arnold Hollow Springs	157
Existing Canal Shares	226
Total	9,870

¹2019 Herriman City Water Master Plan (BC&A).

Future Supply

While the specific details regarding future source capacity are currently in evaluation, the majority of the City’s future culinary demand is intended to be supplied by water purchased from Jordan Valley Water Conservancy District (JVWCD). Expansion of Welby Jacob Canal and the potential development of a future groundwater source are intended to meet future secondary water demands.

HISTORIC WATER PRODUCTION, SALES AND SYSTEM LOSS

Historic Per Capita Water Production and Consumption

It is important to note that some of the production and consumption data before the year 2010 may not be as reliable as 2010 data. Therefore, year 2010 data will be used as the baseline year for the purposes of this report because of high confidence in the population count and relative reliable data from the culinary water system. In 2012, the City began portions of its secondary water system. Although the City has meters on its secondary water system, the data reliability of some of its data acquisition systems is not as robust as for the culinary system.

Historic water use in gallons per resident from 2000 to 2018 is summarized in Table 4. Table 4 also shows per capita water sales and per capita water production in Herriman for the same period. Per capita water use was quantified using available water production records and water sales records from the Division of Water Rights and population estimates.

As shown in Table 4, total metered water sales vary from a high of 192 gpcd in 2010 to a low of 158.1 gpcd in 2018.

Total per capita water production varies from a high of 192 gallons per capita per day (gpcd) in 2010 to a low of 147 gpcd in 2018. However, based on these numbers, system losses in the Herriman City water system are actually negative values. As a result, it does not appear that the production numbers are accurate enough to make any reliable conclusions regarding source production or system losses.

**Table 4
Historic Per Capita Water Production, Sales and System Loss¹**

Year	Herriman City Population	Historic Water Production (acre-ft) ¹	Per Capita Production (gpcd)	Historic Culinary Water Sales (acre-ft)	Per Capita Culinary Water Use (gpcd)	Historic Secondary Water Sales (acre-ft)	Per Capita Secondary Water Use (gpcd)	Total Historic Water Sales (acre-ft)	Total Per Capita Use (gpcd)	Total System Loss	Total System Loss %
2000 ²	1,523	431	252.3	150	88.1	-	-	150	88.1	280	65%
2001	4,490	267	53.1	348	69.3	-	-	348	69.3	-82	-31%
2002	5,816	345	53.0	460	70.6	-	-	460	70.6	-115	-33%
2003	7,313	665	81.1	853	104.1	-	-	853	104.1	-189	-28%
2004	9,551	1,463	136.7	1,810	169.2	-	-	1,810	169.2	-347	-24%
2005	12,393	1,463	105.4	2,113	152.2	-	-	2,113	152.2	-650	-44%
2006	15,842	2,274	128.1	3,396	191.4	-	-	3,396	191.4	-1,122	-49%
2007	17,388	3,080	158.1	4,679	240.2	-	-	4,679	240.2	-1,599	-52%
2008	18,326	2,905	141.5	4,526	220.5	-	-	4,526	220.5	-1,620	-56%
2009	18,593	2,415	115.9	4,372	209.9	-	-	4,372	209.9	-1,958	-81%
2010	21,785	4,676	191.6	4,704	192.8	-	-	4,704	192.8	-28	-1%
2011	25,922	2,984	102.8	5,629	193.9	-	-	5,629	193.9	-2,645	-89%
2012	27,331	4,066	132.8	6,032	197.0	-	-	6,032	197.0	-1,966	-48%
2013	29,531	5,615	169.7	5,818	175.9	-	-	5,818	175.9	-203	-4%
2014	31,984	5,519	154.0	5,861	163.6	-	-	5,861	163.6	-343	-6%
2015	34,801	5,914	151.7	6,430	164.9	-	-	6,430	164.9	-516	-9%
2016	38,811	5,320	122.4	6,377	146.7	-	-	6,377	146.7	-1,058	-20%
2017	44,465	6,942	139.4	7,582	152.2	-	-	7,582	152.2	-640	-9%
2018	51,681	8,515	147.1	8,028	138.7	1,127.9	19.5	9,156	158.1	-641	-8%

¹ Historic water sales and production data are values on record from the Utah Division of Water Rights.

² Year 2000 data is considered to be unreliable.

CURRENT PER CAPITA WATER USE

A thorough analysis of Herriman's current residential, commercial, industrial and institutional water use was completed. Estimated water use by type for the year 2018 is summarized in Table 5. Per capita water use for the year 2018 was estimated using the approximate population of 51,681 people for the year 2018 and monthly metered sales data provided by Herriman City.

Residential Use – Indoor residential water use was quantified using the average metered sales of residential users during the winter months. It is estimated that 41 percent of residential culinary water is used indoors while 59 percent is used outdoors.

Commercial, Industrial and Institutional Use (CII) – Currently, the City has no existing industrial users. Indoor water use for commercial and institutional users was quantified using the average metered sales of each user class during the winter months. On average it is estimated that 32 percent of culinary water is used indoors by commercial users while 68 percent is used outdoors. In addition, 27 percent of culinary water is used indoors by institutional users while 73 percent is used outdoors.

Secondary Water – Approximately 9.6 gpcd of secondary water is used to water residential, commercial and institutional landscapes. While detailed data regarding secondary water usage by customer class is currently unavailable, Herriman City intends to incorporate more information about the City's secondary water system into future conservation plans as data reliability continues to increase.

**Table 5
2018 Per Capita Water Use By Type**

User Type	Indoor Use (gpcd)	Outdoor Culinary Use (gpcd)	Outdoor Secondary Use (gpcd)	Total Use (gpcd)
Residential	48.3	70.0	-	118.3
Commercial	3.5	7.4	-	10.9
Institutional	2.6	6.9	-	9.5
Industrial	0	0	-	0
Total	54.3	84.3	19.5	158.1

CONSERVATION GOAL WITH MILESTONES

The State of Utah has not yet officially adopted water conservation goals on a State-wide basis, but has been in the process of developing water conservation goals on a regional basis. The new goal for Salt Lake County will use a 2015 baseline of water demand. For Herriman City, 2015 will not represent the most useful year to begin as a baseline for conservation. Because the City was still in the process of phasing in use of its secondary water system, data irregularities due to the secondary water system makes this year less useful. Data from the year 2010 is considered more reliable because the City had not yet begun using secondary water. Herriman City will match the conservation goal for the County, but use a 2010 baseline for conservation goals with an added 5 percent conservation assuming 1 percent conservation per year from 2010.

Water production and metered water sales records show that efforts made by the City's staff and residents have been effective in achieving a significant amount of conservation as the City has substantially grown and developed in the last 9 years. Herriman's average daily per capita water use in 2010 was 192.8 gallons. Through conservation efforts, that number was reduced to 158.1 gallons per capita per day in 2018. Per capita water use is greatly reduced from where it was in 2010 and is already ahead of milestones associated with the State conservation goals.

To date, conservation efforts have primarily focused on education and pricing to motivate the voluntary efforts of customers to conserve. While the observed results are positive, there are still additional conservation measures that can further reduce water use. Herriman City personnel understand that additional conservation in the City is possible and are committed to making further progress in this area. However, to continue the trend of increasing conservation in the City, it is likely that a more aggressive effort and level of investment will be required.

Draft Regional Conservation Goals – Based on data collected regarding conservation potential throughout the State, the Draft Regional Conservation Goals identified for the Salt Lake Region recommend reducing year 2015 per capita water use by 11 percent by the year 2030. As stated above, Herriman City will be using year 2010 as a baseline for conservation goals. Required reductions to meet this new goal are also summarized in Table 6.

Table 6
Conservation Goal With Milestones Through 2030

Year	Percent Conservation	New Salt Lake Region Draft Goal Milestones Reduction
2010	0%	192.8
2015	5.6%	182.1
2018	7.6%	178.1
2020	9.0%	175.4
2025	12.5%	168.7
2030	15.3%	162.0

The data presented in Table 6 indicates that the new regional goal is actually a little less aggressive than the historic statewide goal. However, this seems appropriate for the Salt Lake Region in general and Herriman City specifically. In the City, nearly all of the easy and most cost effective conservation measures have already been implemented. Correspondingly, the City has seen progress towards additional conservation slow in recent years. Meeting the future conservation goals will require significant effort and investment by the City and its residents. Therefore, this City has adopted the draft Salt Lake Regional goal as the new conservation goal for the City.

PROJECTED WATER SUPPLY AND DEMAND

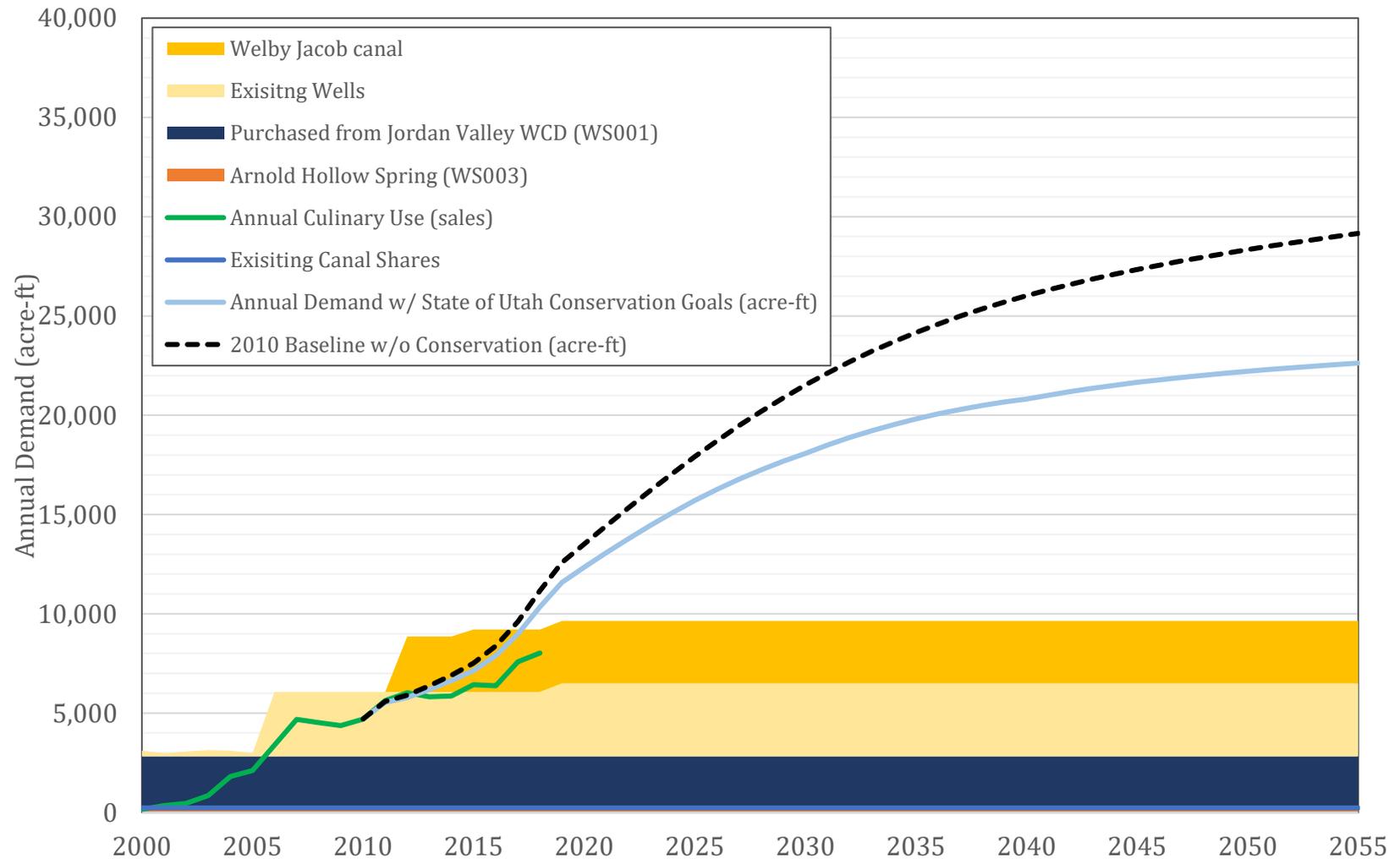
To adequately represent the implications of the City’s water conservation goals, a comparison of projected demands (based on total system production requirements) and available supplies must be made. Table 7 shows the projected water production requirements for the City with conservation and the projected production requirements if no conservation occurs. Perhaps most importantly, Table 7 also compares projected demands against the existing available water supply. This same information is shown graphically in Figure 2.

**Table 7
Projected Water Production Requirements¹**

Year	Estimated Herriman City Population	Projected Production Requirements Without Conservation (acre-ft)	Projected Production Requirements with Conservation (acre-ft)	Total Supply (acre-ft)	Estimated New Supply Development Which Can Be Delayed Through Conservation (acre-ft)
2000	1,523	-	-	3,340.35	0
2005	12,393	-	-	3,211.55	0
2010	21,785	4,704	4,704	6,292.25	0
2015	34,801	7,515	7,139	9,432.25	376
2020	62,010	13,512	12,341	9,870.95	1,171
2025	79,568	17,911	15,702	9,870.95	2,209
2030	93,465	21,520	18,077	9,870.95	3,443
2035	102,904	24,167	19,817	9,870.95	4,350
2040	108,668	26,019	20,815	9,870.95	5,204
2045	111,961	27,339	21,652	9,870.95	5,686
2050	113,772	28,338	22,217	9,870.95	6,121

¹2019 Herriman City Water Master Plan.

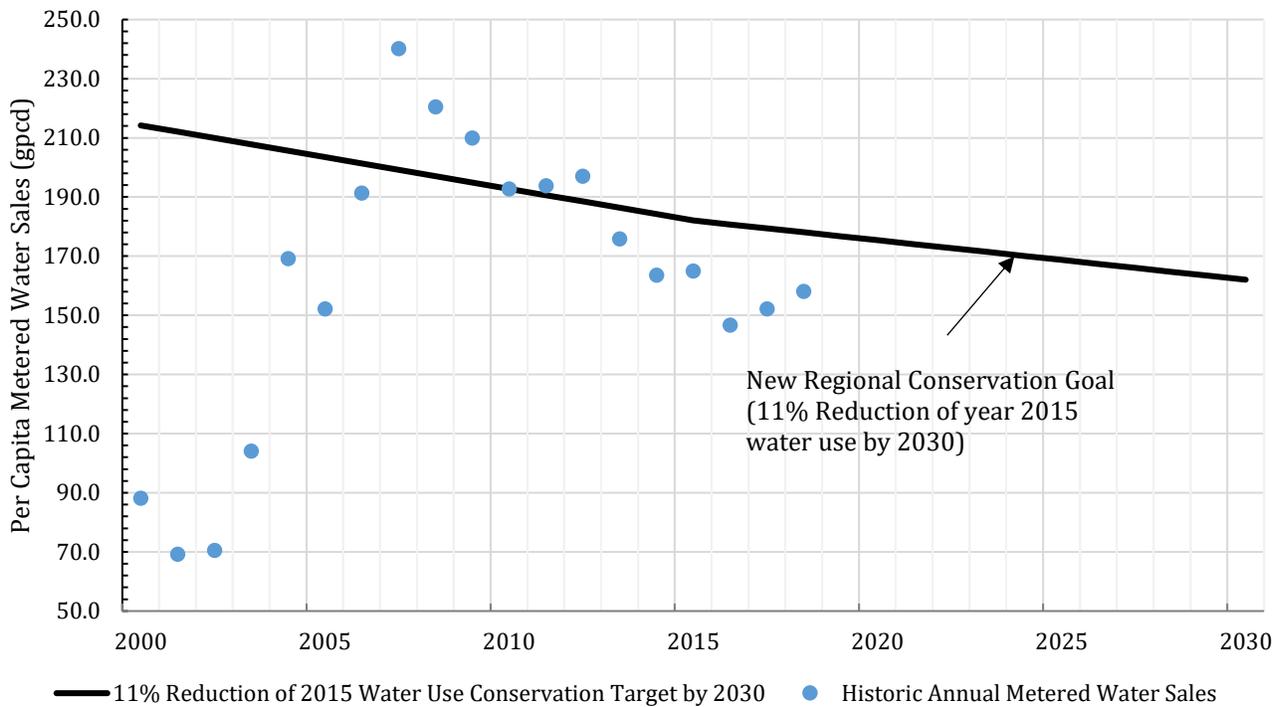
**Figure 2
Projected Annual Production Requirements**

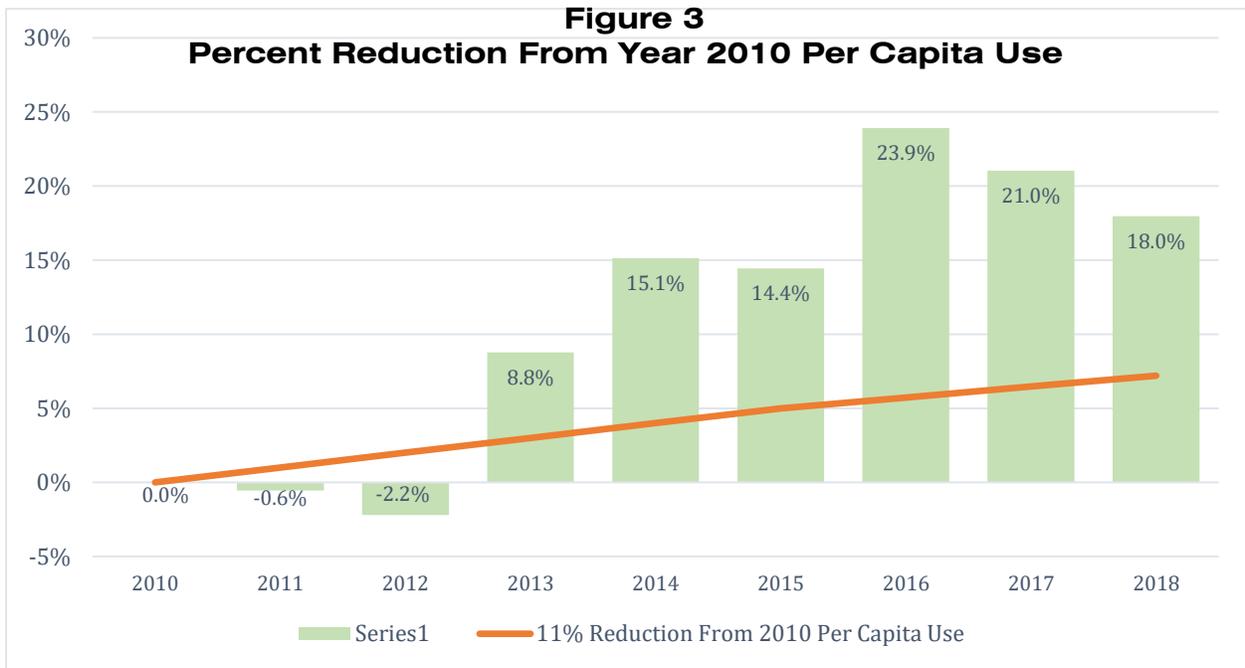


MEASURING SAVINGS FROM CONSERVATION

Figure 3 graphically show historic annual per capita culinary water use for the period from 2000 through 2018. Because of data inconsistencies for the years prior to 2010, the conservation goal from 2000 to 2010 has been extrapolated based on a 1% reduction from year 2010 per capita use. Figure 3 graphically shows the annual percent reduction from an estimated year 2000 average water use.

**Figure 3
Historic Per Capita Water Use**





As can be seen in the figures, the City's per capita use is trending downward. From 2010 to 2018 Herriman reduced per capita use by 18 percent, exceeding the new regional conservation goal milestone for 2018. Figure 4 also show a few years in which the City's water use is higher than the regional conservation goal. It is important to note that the high use during these years correlates with years that had summers that were significantly hotter and drier than normal, resulting in an increase in outdoor irrigation. Moving forward, the City will need to figure out how to both reduce long-term water use trends and how to sustain these reductions during hot and dry years.

To track how well Herriman is doing in achieving its conservation goals in the future, the City will continue to annually estimate per capita water demands based on yearly metered sales data and an updated population estimate as a function of new system connections.

WATER METERING AND REPLACEMENT SCHEDULE

Currently, all culinary water connections in the Herriman City water system service area are metered and read on a monthly basis. Including meters at every culinary and secondary water service connection was an important part of the City's conservation plan. In addition, the City has a goal of replacing water meters every 15 – 20 years as needed to maintain meter and reporting accuracy.

The City currently has an automated meter read (AMR) system that is read monthly through drive-by collection. Approximately 25 percent of the meters in the system have leak detection capabilities (all meters installed after 2011 read usage every 15-minutes). This allows City personnel to notify residents on a monthly basis if a leak is detected. All new meters in the City will have this capability. However, because the majority of the City's existing meters are less than 10 years old, it will be at least 10-15 years before all of the City's meters have leak detection capabilities.

CURRENT RATES

To encourage conservation, the City has implemented a tiered water rate structure for both culinary and secondary water (full water rate schedule is attached as Appendix A.) All water connections are charged a monthly base rate based on the meter size with no monthly water allowance included in the base rate. Each tier in the structure charges a higher rate based the quantity of water being used.

CURRENT CONSERVATION PRACTICES

As part of its overall water supply plan, Herriman City has been very aggressive in implementing several conservation measures to reduce water usage. The City's water system is well maintained and operated. The City has been proactive in implementing and maintaining many programs to ensure that the water system meets high operating standards. Each of these programs is discussed in detail below.

Aggressive System Maintenance and Operations Program – Herriman City will continue to maintain and improve its existing water system maintenance and operations program as outlined below:

- **Mainline Replacement Program:** Since the City's infrastructure is relatively new a mainline replacement program has yet not been established. However, based on expected design life of the Herriman City water system, the City should expect to replace the pipes in its water system distribution network every 100-years.
- **Automatic Meter Reading (AMR):** All retail meters within the City are AMR. AMR technology automatically collects status data, diagnostic and consumption from water meters. That AMR data is transferred to a central database for analyzing, billing and troubleshooting.
- **Leak Detection** – All meters installed since 2011 can log water use every 15 minutes and can detect fixture leaks at connections. This data is used to notify users of leaks in household fixtures.

SCADA Control System – The City currently utilizes Supervisory Control and Data Acquisition as a critical component of operating and understanding the City's water system. The City is continuing to look for areas where additional improvements will increase overall system operating and reporting efficiency.

Secondary Water System – The City requires developers to install secondary distribution pipes in areas where secondary water is or will be accessible (Zones 1 – 4). As part of the secondary system, meter boxes and setters are installed so that secondary water can be tracked and paid for by volume.

Rain Sensors Installed in Parks – The City has been installing rain sensors at all new City parks and open spaces and intends to install rain sensors at existing parks and open spaces as budget allows. These devices can detect rainfall events and send messages to the central control computer, indicating how much precipitation has been received at the site and can terminate a watering cycle when the precipitation makes irrigation unnecessary.

Open Space & Parks – The City meters water use at all parks and open spaces and evaluates use at larger parks on an annual basis to determine if any changes to irrigation patterns are warranted.

Tiered Water Rates – To encourage conservation, the City has implemented a tiered water rate structure for culinary and secondary water. The goal is to reduce peak system demands and reduce the waste of water on outdoor landscaping uses.

Public Awareness/Public Education Programs – Over the years a significant amount of water reduction has been achieved through increased awareness and water conservation education. The following is a list of ongoing public awareness and educational programs which the City will continue to utilize and implement:

- **Consumer Confidence Report** – Each year, water conservation information is included in the consumer confidence report. This report is sent to all Herriman City customers and is posted on the City’s web site. The report also includes information on the City’s water sources, water quality information, and conservation tips.
- **Flyers** – Occasionally, flyers are sent to all consumers in their monthly water bills giving information on water conservation and tips on methods to conserve water both indoor and outdoor. Flyers are also located in the City offices giving facts and tips on water conservation.
- **Education Programs** - The City participates with JWCD in the “Slow the Flow” educational program and encourages the use of water wise plumbing fixtures, landscaping plans, and irrigation systems. A link to educational programs offered by JWCD is included on the City’s website.
- **Public Education Efforts** – Herriman City currently supports many water conservation programs. Herriman City plans to remain active in public education on water conservation to sustain a long-term reduction in water use.
- **Water Wise Landscaping** – Many of the City’s landscapes consist of water wise landscaping. The increased use of water wise landscaping and the installation of rain sensors has helped the City conserve water and demonstrate outdoor water conserving practices.

City Ordinances Regarding Water Conservation –The City is in the process of adopting a Water Efficient Landscape Ordinance within the next year. The ordinance would require new commercial and multifamily developments, as well as new City-owned properties, to submit landscape and irrigation plans during the development review process. The plans would be required to be designed by certified professionals in both landscape and irrigation systems. The landscaped areas of the new developments could be required to meet certain irrigation system efficiency standards once installation is completed. In addition, water conserving plants would be required for areas with steep slopes. The developments would also be required to pass a water audit once the irrigation systems have been installed.

Water Conservation Plan – The City updates its Water Conservation Plan at least every five years and adopts it by Ordinance.

NEW CONSERVATION PRACTICES PLANNED FOR IMPLEMENTATION

There are several new conservation practices that the City has either recently started to implement or will implement in the next few years. Table 8 summarizes the implementation schedule, estimated costs and potential partners of the new practices.

Annual Water Audit - The City recently began participating in a water audit program with its meter supplier. This program helps water suppliers quantify system water loss and associated revenue losses. Herriman City will be participating in the audit program on an annual basis.

Advanced Metering Infrastructure (AMI) With Customer Portal - The City will begin converting its meters to an AMI system in June 2020. The new AMI system will provide significant improvements for identifying leaks and educating consumers about water use patterns. The AMI system will also allow the City to monitor demands on a daily basis and provide frequent feedback to users on their water use habits. Data collected through the new AMI system will be utilized through a customer web-portal to allow customers to review their water use, set monthly parameters, and compare their water usage with surrounding residents.

Localscapes Partner Program - The City would like to begin providing financial incentives to City residents to reduce outdoor watering requirements in the next few years through the Localscapes partners program. Through this partnership, the City may offer a rebate program for rain sensors installed on irrigation systems or for landscape modifications that reduce water use. This program is still under development, but the City hopes to have the program finalized over the next few years.

**Table 8
Implementation Schedule, Estimated Costs & Partnerships**

New Conservation Practices	Implementation Timeline	Estimated Cost	Potential Partnerships
Water Audit	First audit completed: June, 2020 Ongoing audits expected every two years	\$2,500	<ul style="list-style-type: none"> • Herriman City Water Meters Provider
Advanced Metering Infrastructure with customer web-portal	June 2020	\$160,000	<ul style="list-style-type: none"> • Jordan Valley Water Conservancy District
Localscapes Program	Currently in the Evaluation Phase	In Evaluation Phase	<ul style="list-style-type: none"> • Jordan Valley Water Conservancy District • Localscapes

WATER CONSERVATION COORDINATOR AND COMMITTEES

Water Conservation Coordinator

The City has designated Danette Markus (the water department administrative assistant) as the City's Water Conservation Coordinator. The coordinator is responsible for all City conservation efforts including the Public Education Program, the Water Conservation Workshop, distributing City conservation information at City events, and acting as the liaison for water conservation matters between the citizens and City officials.

WATER CONSERVATION PLAN AUTHOR(S)

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APPENDIX A
HERRIMAN CITY WATER RATES

Municipal Water Fees

Type	Fee	Billing	Calculated	Collected	Covered By Ordinance #
Culinary and Secondary Water Impact Fee Schedule					
West Herriman NON RESIDENTIAL USERS					
3/4" Meter - ERC Conversion: 1	Cul: \$2,869 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
1" Meter - ERC Conversion: 1.67	Cul: \$4,791 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
1-1/2" Meter - ERC Conversion: 3.33	Cul: \$9,553 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
2" Meter - ERC Conversion: 5.33	Cul: \$15,291 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
3" Meter - ERC Conversion: 10.67	Cul: \$30,610 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
4" Meter - ERC Conversion: 16.67	Cul: \$47,822 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
6" Meter - ERC Conversion: 33.33	Cul: \$95,616 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
8" Meter - ERC Conversion: 53.33	Cul: \$152,991 Second per 1000 sq.ft. \$223	Per Connection	Water Department	Water Department	
Multi-Family Units					
1 Bedroom Unit - ERC Conversion 0.24	Culinary \$689 Second: Based on Meter Size	Per Unit	Water Department	Water Department	
2 Bedroom Unit - ERC Conversion 0.49	Culinary \$1,406 Second: Based on Meter Size	Per Unit	Water Department	Water Department	
3 Bedroom Unit - ERC Conversion 0.70	Culinary \$2,008 Second: Based on Meter Size	Per Unit	Water Department	Water Department	
Culinary and Secondary Water Impact Fee Schedule					
West Herriman Zones 1-4					
<1/4 Acre Lot - Indoor IF: 47% ERC Conversion: 0.38	Indoor: \$1,434 Secondary: \$808 = \$2,504	Per Connection	Water Department	Water Department	R.27-2019
1/4 to 1/2 Acre Lot - Indoor IF: 46% ERC Conversion: 0.77	Indoor: \$1,434 Secondary: \$1,637 = \$3,601	Per Connection	Water Department	Water Department	R.27-2019
1/2 to 3/4 Acre Lot - Indoor IF: 49% ERC Conversion: 1.63	Indoor: \$1,434 Secondary: \$3,465 = \$4,899	Per Connection	Water Department	Water Department	R.27-2019
3/4 to 1 Acre Lot - Indoor IF: 71% ERC Conversion: 3.11	Indoor: \$1,434 Secondary: \$6,611 = \$8,045	Per Connection	Water Department	Water Department	R.27-2019
1 Acre Lot - Indoor IF: 78% ERC Conversion: 3.90	Indoor: \$1,434 Secondary: \$8,290 = \$9,725	Per Connection	Water Department	Water Department	R.27-2019
Lots larger than 1 acre, will be charged the secondary fee only for additional acreage					
East Herriman NON RESIDENTIAL USERS					
3/4" Meter - ERC Conversion: 1	Cul: \$2,982 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
1" Meter - ERC Conversion: 1.67	Cul: \$4,889 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
1-1/2" Meter - ERC Conversion: 3.33	Cul: \$9,750 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
2" Meter - ERC Conversion: 5.33	Cul: \$15,605 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
3" Meter - ERC Conversion: 10.67	Cul: \$31,240 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
Municipal Water Fees					
Type	Fee	Billing	Calculated	Collected	Covered By Ordinance #
4" Meter - ERC Conversion: 16.67	Cul: \$48,807 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
6" Meter - ERC Conversion: 33.33	Cul: \$97,584 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
8" Meter - ERC Conversion: 53.33	Cul: \$156,140 Second per 1000 sq.ft. \$146	Per Connection	Water Department	Water Department	
Multi-Family Units					
1 Bedroom Unit - ERC Conversion 0.24	Culinary \$703 Second: Based on Meter Size	Per Unit	Water Department	Water Department	
2 Bedroom Unit - ERC Conversion 0.49	Culinary \$1,435 Second: Based on Meter Size	Per Unit	Water Department	Water Department	
3 Bedroom Unit - ERC Conversion 0.70	Culinary \$2,049 Second: Based on Meter Size	Per Unit	Water Department	Water Department	
Culinary and Secondary Water Impact Fee Schedule					
East Herriman					
<1/4 Acre Lot - Indoor IF: 47% ERC Conversion: 0.38	Indoor: \$1,464 Secondary: \$476 = \$1,940	Per Connection	Water Department	Water Department	
1/4 to 1/2 Acre Lot - Indoor IF: 46% ERC Conversion: 0.77	Indoor: \$1,464 Secondary: \$964 = \$2,428	Per Connection	Water Department	Water Department	
1/2 to 3/4 Acre Lot - Indoor IF: 49% ERC Conversion: 1.63	Indoor: \$1,464 Secondary: \$2,041 = \$3,505	Per Connection	Water Department	Water Department	
3/4 to 1 Acre Lot - Indoor IF: 71% ERC Conversion: 3.11	Indoor: \$1,464 Secondary: \$3,894 = \$5,358	Per Connection	Water Department	Water Department	
1 Acre Lot - Indoor IF: 78% ERC Conversion: 3.90	Indoor: \$1,464 Secondary: \$4,883 = \$6,347	Per Connection	Water Department	Water Department	
Any lots larger will be charged by acre					
Construction Water Fee - 3" Hydrant Meter					
Deposit	\$1,400 - refundable (night card fee may be applicable) (1.75%)	Per rental			
Monthly Rental Fee	\$220	Monthly / Prorated	Water Department	Hemiman City	
Non Compliant Penalty	\$440 - monthly rental fee increase	Monthly until compl	Water Department	Hemiman City	
Usage Fee	\$2.35 / 1,000 gallons	Monthly	Water Department	Hemiman City	
Delinquency Fee for Non Payment	\$75	Monthly until paid	Water Department	Hemiman City	
Penalty Fee for Late Payment	1.5% of unpaid balance	Monthly until paid	Water Department	Hemiman City	
Jumpers & Cheaters - 1st Offense	\$100.00	Per Offense	Water Department	Water Department	03-15
Jumpers & Cheaters - 2nd Offense	\$500.00	Per Offense	Water Department	Water Department	03-15
Jumpers & Cheaters - Additional Offenses	\$1,000.00	Per Offense	Water Department	Water Department	03-15
Park Fee	\$5.00	Monthly	Water Department	Water Department	
Culinary Water User Rate					
Base Rate Culinary Residential Zone 1-9 without Access to Secondary					
3/4" & 1" meter	\$27.84 per ERU	Monthly	Water Department	Water Department	R.27-2019
1 1/2" meter	\$38.14 per ERU	Monthly	Water Department	Water Department	R.27-2019
2" meter	\$55.67 per ERU	Monthly	Water Department	Water Department	R.27-2019
3" meter	\$111.34 per ERU	Monthly	Water Department	Water Department	R.27-2019
4" meter	\$235.49 per ERU	Monthly	Water Department	Water Department	R.27-2019
6" meter	\$349.06 per ERU	Monthly	Water Department	Water Department	R.27-2019
8" meter	\$478.92 per ERU	Monthly	Water Department	Water Department	R.27-2019
10" meter	\$759.55 per ERU	Monthly	Water Department	Water Department	R.27-2019
Culinary Residential Zone 1-4 with Access to Secondary					

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Zones 1-4						
Usage Rate per 1,000 gallons (0 - 5,000 gal.)	\$1.73 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (5,001 - 10,000 gal.)	\$1.84 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.24 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (over 40,001 - 80,000 gal.)	\$3.26 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (80,001 and above)	\$3.98 per 1,000 gal.					R27-2019
Zones 1-4						
Usage Rate per 1,000 gallons (0 - 5,000 gal.)	\$1.73 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (5,001 - 10,000 gal.)	\$1.84 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$1.99 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$2.30 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (over 40,001 - 80,000 gal.)	\$2.65 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (80,001 and above)	\$3.47 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Municipal Water Fees						
Type	Fee	Billing	Calculated	Collected		Covered By Ordinance #
Zones 5-6						
Usage Rate per 1,000 gallons (0 - 5,000 gal.)	\$1.91 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (5,001 - 10,000 gal.)	\$2.02 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.18 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$2.52 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (over 40,001 - 80,000 gal.)	\$2.91 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (80,001 and above gal.)	\$3.80 per 1,000 gal.					R27-2019
Zones 7-9						
Usage Rate per 1,000 gallons (0 - 5,000 gal.)	\$2.37 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (5,001 - 10,000 gal.)	\$2.50 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.71 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$3.13 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (over 40,001 - 80,000 gal.)	\$3.61 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (80,001 and above)	\$4.72 per 1,000 gal.					R27-2019
Culinary MM-Residential/Non Residential Zone 1-4						
3/4" & 1" meter	Price per 1k gal \$2.02, \$27.84 base fee	Monthly	Water Department	Water Department		R27-2019
1 1/2" meter	Price per 1k gal \$2.02, \$38.14 base fee	Monthly	Water Department	Water Department		R27-2019
2" meter	Price per 1k gal \$2.02, \$55.67 base fee	Monthly	Water Department	Water Department		R27-2019
3" meter	Price per 1k gal \$2.02, \$111.34 base fee	Monthly	Water Department	Water Department		R27-2019
4" meter	Price per 1k gal \$2.02, \$235.49 base fee	Monthly	Water Department	Water Department		R27-2019
6" meter	Price per 1k gal \$2.02, \$349.06 base fee	Monthly	Water Department	Water Department		R27-2019
8" meter	Price per 1k gal \$2.02, \$478.92 base fee	Monthly	Water Department	Water Department		R27-2019
10" meter	Price per 1k gal \$2.02, \$759.55 base fee	Monthly	Water Department	Water Department		R27-2019
Culinary MM-Residential/Non Residential Zone 5-6						
3/4" & 1" meter	Price per 1k gal \$2.22, \$30.56 base fee	Monthly	Water Department	Water Department		R27-2019
1 1/2" meter	Price per 1k gal \$2.22, \$41.87 base fee	Monthly	Water Department	Water Department		R27-2019
2" meter	Price per 1k gal \$2.22, \$61.13 base fee	Monthly	Water Department	Water Department		R27-2019
3" meter	Price per 1k gal \$2.22, \$122.25 base fee	Monthly	Water Department	Water Department		R27-2019
4" meter	Price per 1k gal \$2.22, \$258.57 base fee	Monthly	Water Department	Water Department		R27-2019
6" meter	Price per 1k gal \$2.22, \$383.27 base fee	Monthly	Water Department	Water Department		R27-2019
8" meter	Price per 1k gal \$2.22, \$525.85 base fee	Monthly	Water Department	Water Department		R27-2019
10" meter	Price per 1k gal \$2.22, \$833.98 base fee	Monthly	Water Department	Water Department		R27-2019
Culinary MM-Residential/Non Residential Zone 7-9						
3/4" & 1" meter	Price per 1k gal \$2.75, \$37.90 base fee	Monthly	Water Department	Water Department		R27-2019
1 1/2" meter	Price per 1k gal \$2.75, \$51.92 base fee	Monthly	Water Department	Water Department		R27-2019
2" meter	Price per 1k gal \$2.75, \$75.80 base fee	Monthly	Water Department	Water Department		R27-2019
3" meter	Price per 1k gal \$2.75, \$151.60 base fee	Monthly	Water Department	Water Department		R27-2019
4" meter	Price per 1k gal \$2.75, \$320.63 base fee	Monthly	Water Department	Water Department		R27-2019
6" meter	Price per 1k gal \$2.75, \$475.25 base fee	Monthly	Water Department	Water Department		R27-2019
8" meter	Price per 1k gal \$2.75, \$652.06 base fee	Monthly	Water Department	Water Department		R27-2019
10" meter	Price per 1k gal \$2.75, \$1034.14 base fee	Monthly	Water Department	Water Department		R27-2019
Culinary Water Wholesale						
Culinary Out/Boundary 3/4" & 1" - Zone 1-4	\$2.22 price per 1k gal, \$28.65 base fee	Monthly	Water Department	Water Department		R27-2019
Culinary Out/Boundary 3/4" & 1" Rates Zones 1-4	\$41.75 base fee	Monthly	Water Department	Water Department		R27-2019
Zones 1-4						
Usage Rate per 1,000 gallons (0 - 5,000 gal.)	\$2.60 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (5,001 - 10,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.99 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$3.45 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (over 40,001 - 80,000 gal.)	\$3.98 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (80,001 and above)	\$5.20 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Culinary South East Herriman-Bluffdale Residential						
Culinary South East Herriman-Bluffdale Residential Rates	\$13.80 base fee	Monthly	Water Department	Water Department		R27-2019
Zones 1-4						
Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$2.65 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 50,000 gal.)	\$3.16 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (50,001 - 100,000 gal.)	\$4.03 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (100,001 - and above)	\$4.83 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Municipal Water Fees						
Type	Fee	Billing	Calculated	Collected		
Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$2.65 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 50,000 gal.)	\$3.16 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (50,001 - 100,000 gal.)	\$4.03 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (100,001 - and above)	\$4.83 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Secondary Water User Rate						
Secondary Residential 1" - Zone 1-4	\$9.28 base fee					R27-2019
Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$1.41 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$1.71 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$1.98 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (40,001 - 70,000 gal.)	\$2.50 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (70,001 and above)	\$2.92 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Secondary MM Residential/Non Residential 3/4" & 1" - Zone 1-4						
Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$2.05 base fee					R27-2019
Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$1.41 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$1.71 per 1,000 gal.	Monthly	Water Department	Water Department		R27-2019

Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department	R27-2019
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department	R27-2019
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department	R27-2019
Overage per 1,000 gal. (40,001 - 70,000 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department	R27-2019
Overage per 1,000 gal. (70,001 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department	R27-2019

Municipal Water Fees

Type	Fee	Billing	Calculated	Collected
Culinary Outdoor Irrigation 1 1/2" Zones 5-6	\$41.87 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 16,300 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (16,301 - 40,750 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (40,751 - 65,200 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (65,201 - 114,100 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (114,101 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Usage Rate per 1,000 gal. (26,101 - 65,250 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (65,251 - 104,400 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (104,401 - 182,700 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (182,701 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 3" Zones 5-6	\$122.25 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 99,000 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (99,001 - 247,500 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (247,501 - 396,000 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (396,001 - 693,000 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (693,001 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 4" Zones 5-6	\$258.57 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 126,000 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (126,001 - 315,000 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (315,001 - 504,000 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (504,001 - 882,000 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (882,001 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 6" Zones 5-6	\$383.27 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 189,000 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (189,001 - 472,500 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (472,501 - 756,000 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (756,001 - 1,323,000 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,323,001 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 8" Zones 5-6	\$525.85 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 261,000 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (261,001 - 652,500 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (652,501 - 1,044,000 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,044,001 - 1,827,000 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,827,001 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 10" Zones 5-6	\$833.98 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 400,000 gal.)	\$2.22 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (400,001 - 1,000,000 gal.)	\$2.40 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,000,001 - 1,600,000 gal.)	\$2.77 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,600,001 - 2,800,000 gal.)	\$3.20 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (2,800,001 and above)	\$4.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 3/4-1" Zones 7-9	\$37.90 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 10,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (40,001 - 70,000 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (70,001 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 1 1/2" Zones 7-9	\$51.92 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 16,300 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (16,301 - 40,750 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (40,751 - 65,200 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (65,201 - 114,100 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (114,101 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 2" Zones 7-9	\$75.80 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 26,100 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (26,101 - 65,250 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (65,251 - 104,400 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (104,401 - 182,700 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (182,701 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department

Municipal Water Fees

Type	Fee	Billing	Calculated	Collected
Culinary Outdoor Irrigation 3" Zones 7-9	\$151.60 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 99,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (99,001 - 247,500 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (247,501 - 396,000 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (396,001 - 693,000 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (693,001 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 4" Zones 7-9	\$320.63 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 126,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (126,001 - 315,000 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (315,001 - 504,000 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (504,001 - 882,000 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (882,001 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 6" Zones 7-9	\$475.25 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 189,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (189,001 - 472,500 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (472,501 - 756,000 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (756,001 - 1,323,000 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,323,001 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department
Culinary Outdoor Irrigation 8" Zones 7-9	\$652.06 base fee			R27-2019
Usage Rate per 1,000 gallons (0 - 261,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (261,001 - 652,500 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (652,501 - 1,044,000 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,044,001 - 1,827,000 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,827,001 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department

Municipal Water Fees

\\nvr\orders\ba\jmw\10\cxsm9\310\980940000\7\com.microwat\Outlook\Temp\Master Fee Sheet_2019(1).xlsx 8 CP 12

8/19/19

2019 WATER CONSERVATION PLAN

Type	Fee	Billing	Calculated	Collected
Culinary Outdoor Irrigation 10"-Zones 7-9	\$1,034.14 base fee			R 27-2019
Usage Rate per 1,000 gallons (0 - 400,000 gal.)	\$2.75 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (400,001 - 1,000,000 gal.)	\$2.98 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,000,001 - 1,600,000 gal.)	\$3.44 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (1,600,001 - 2,800,000 gal.)	\$3.97 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (2,800,001 and above)	\$5.19 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (10,001 - 25,000 gal.)	\$2.60 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (25,001 - 40,000 gal.)	\$2.67 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (40,001 - 80,000 gal.)	\$2.90 per 1,000 gal.	Monthly	Water Department	Water Department
Overage per 1,000 gal. (over 80,001 gal.)	\$3.83 per 1,000 gal.	Monthly	Water Department	Water Department
Re-connection Fee	\$75.00	Per Shut-Off	Water Department	Water Department

Salt Lake Area Office:
154 East 14075 South
Draper, Utah 84020
Phone: (801) 495-2224
Fax: (801) 495-2225

Boise Area Office:
776 East Riverside Drive
Suite 250
Eagle, Idaho 83616
Phone: (208) 939-9561
Fax: (208) 939-9571

Southern Utah Area Office:
20 North Main
Suite 107
St. George, Utah 84770
Phone: (435) 656-3299
Fax: (435) 656-2190

HERRIMAN, UTAH
ORDINANCE NO. 2020-01

AN ORDINANCE ADOPTING THE “2019 WATER CONSERVATION PLAN” BY REFERENCE; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES; AND PROVIDING FOR EFFECTIVE DATE

WHEREAS, on January 8, 2020, the City Council (the “*Council*”) met in regular session to consider, among other things, adopting the “2019 Water Conservation Plan” by reference; providing for repeal of conflicting ordinances; and providing for effective date; and

WHEREAS, a water management and conservation plan has been presented to the Council for review and consideration, a copy of which is attached to this ordinance; and

WHEREAS, after careful consideration the Council has determined that it is in the best interests of the health, safety and welfare of the inhabitants of Herriman to adopt the “2019 Water Conservation Plan” by reference; providing for repeal of conflicting ordinances; and providing for effective date; and

NOW THEREFORE, be it ordained by the Council as follows:

Section I. Adoption of Water Conservation Plan. The 2019 Water Conservation Plan which is attached hereto is hereby adopted by reference

Section II. Repeal. All ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section III. Effective Date. This Ordinance, assigned Ordinance No 2020-01 shall take immediate effect as soon as it shall be published or posted as required by law and deposited and recorded in the office of the City’s recorder.

This Ordinance, assigned Ordinance No. 01-2020, shall take effect immediately.

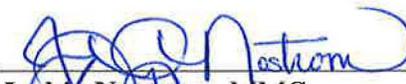
PASSED AND APPROVED this 8th day of January, 2020.

HERRIMAN COUNCIL



David Watts, Mayor

ATTEST:



Jackie Nostrom, MMC
City Recorder



Herriman City

ORDINANCE NUMBER: 2020-01

SHORT TITLE: AN ORDINANCE ADOPTING THE “2019 WATER CONSERVATION PLAN” BY REFERENCE; FOR REPEAL OF CONFLICTING ORDINANCES; AND PROVIDING FOR EFFECTIVE DATE

PASSAGE BY THE CITY COUNCIL OF HERRIMAN CITY ROLL CALL

NAME	MOTION	SECOND	FOR	AGAINST	OTHER
David Watts			X		
Jared Henderson			X		
Sherrie Ohrn	X		X		
Steven Shields		X	X		
Clint Smith			X		
	TOTALS		5		

This ordinance was passed by the City Council of Herriman City, Utah on the 8th day of January, 2020, on a roll call vote as described above.

ORDINANCE NO. 2020-01

CITY RECORDER'S CERTIFICATE AND ATTESTATION

This ordinance was recorded in the office of the Herriman City Recorder on the 8th day of January, 2020, with a short summary being published on the 14th day of January 2020, in the *Salt Lake Tribune*, a newspaper published in Salt Lake City, Utah. I hereby certify and attest that the foregoing constitutes a true and accurate record of proceedings with respect to the ordinance number referenced above.



Signed this 8th day of January 2020


Jackie Nostrom, City Recorder



PROOF OF PUBLICATION CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS ACCOUNT NUMBER

HERRIMAN CITY, JACKIE NOSTROM
5355 W HERRIMAN MAIN ST 9001353644

HERRIMAN UT 84096 DATE 11/29/2019

ACCOUNT NAME HERRIMAN CITY,

TELEPHONE 8014465323 ORDER # / INVOICE NUMBER 0001275106 /

PUBLICATION SCHEDULE START 11/29/2019 END 11/29/2019

CUSTOMER REFERENCE NUMBER PH - WATER CONSERVATION PLAN

CAPTION Herriman City Public Hearing Notice NOTICE IS HEREBY GIVEN that the Herriman City (

SIZE

26 LINES 1 COLUMN(S)

TIMES 3 TOTAL COST 48.68

Herriman City Public Hearing Notice
NOTICE IS HEREBY GIVEN that the Herriman City Council will hold a Public Hearing on Wednesday, December 11, 2019 at 7:00 p.m. at the Herriman City Council Chambers located at 5355 West Herriman Main Street Herriman, Utah. The purpose of the hearing is to accept comment on the Herriman Water Conservation Plan. Interested persons are invited to attend. Information on the proposal is available by contacting the City Recorder at 801.446.5323. /s/ Jackie Nostrom, City Recorder 1275106 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba UTAH MEDIA GROUP LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF Herriman City Public Hearing Notice NOTICE IS HEREBY GIVEN that the Herriman City Council will hold a Public Hearing on Wednesday, December 11, 2019 at 7:00 p. FOR HERRIMAN CITY, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba UTAH MEDIA GROUP, AGENT FOR DESERET NEWS AND THE SALT LAKE TRIBUNE, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 11/29/2019 End 11/29/2019

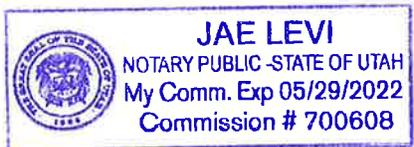
DATE 11/29/2019

SIGNATURE *Jackie Nostrom*

STATE OF UTAH)
COUNTY OF SALT LAKE)

SUBSCRIBED AND SWORN TO BEFORE ME ON THIS 29TH DAY OF NOVEMBER IN THE YEAR 2019

BY LORAIN GUDMUNDSON



Jae Levi
NOTARY PUBLIC SIGNATURE