

**Public Works Director**  
MILES C. NELSON  
**City Engineer**  
VACANT  
**Streets & Fleet Supervisor**  
J. SCOTT OLSEN  
**Water & Sewer Supervisor**  
SAM WHITE  
**Building Inspection**  
TRENTON BENNETT



**Mayor**  
**MICHAEL KOURIANOS**

**City Council**  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

# Water Conservation Plan

**PRICE CITY DRAFT SUBMITTAL AUGUST 2020**

---

**PLAN REVIEW by UTAH DIVISION of  
WATER RESOURCES NOVEMBER 2020**

---

**PLAN UPDATE DECEMBER 2020**

---

**PRICE CITY MAYOR / COUNCIL APPROVAL  
JANUARY 2021**

---

**To: Division of Water Resources / [waterwise@utah.gov](mailto:waterwise@utah.gov)**

**Write-up and Data Collection by Price City Water & Sewer Department**

**Miles Nelson / Public Works Director**

**Official Price City Contact: [milesn@priceutah.net](mailto:milesn@priceutah.net)**



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED  
Executive Director

### Division of Water Resources

TODD D. ADAMS  
Division Director

February 25, 2020

Price City  
Miles C. Nelson  
Public Works Director  
PO Box 893  
Price, UT 84501

Mr. Nelson,

This letter is to inform you that your water system has a Water Conservation Plan due this year, 2020. A Water Conservation Plan is essential to successful water system management. The efficient use of water in systems and communities today, mitigates supply challenges, reduces expensive infrastructure costs, and creates opportunity for sustainable growth. As such, we appreciate your ongoing willingness to plan and implement water conservation practices for those you serve.

Water Conservation Plans are required to be updated and submitted to the Utah Division of Water Resources every five years by S.B. 73-10-32. Below are the steps to submitting a Water Conservation Plan:

177. Submit a draft to the Division of Water Resources by **August 15, 2020**
178. Division of Water Resources will review the plan, provide feedback, and approve the draft to move forward
179. Hold a publicized public meeting to adopt the Water Conservation Plan by **December 31, 2020**
180. Submit the final Plan, adoption signatures, media notice, and meeting minutes to the Division of Water Resources via [waterwise@utah.gov](mailto:waterwise@utah.gov)

Included with this letter is a Water Conservation Plan Checklist and a list of Best Management Practices. The checklist provides a step-by-step guide of what to include in your Water Conservation Plan.

For further assistance, please don't hesitate to contact us at [waterwise@utah.gov](mailto:waterwise@utah.gov) or by phone at 801-538-7230.

Thank you,

Todd D. Adams, P.E.

Director

Utah Division of Water Resources



**Mayor**  
MICHAEL KOURIANOS

**City Attorney**  
THOMAS SITTERUD

**City Recorder**  
SHERRIE GORDON

**City Treasurer**  
SHARI MADRID

**Finance Director**  
LISA RICHENS



185 East Main - P.O. BOX 893 - PRICE, UT 84501  
PHONE (435) 637-5010 - Fax (435) 637-7263  
[www.pricecityutah.com](http://www.pricecityutah.com)

## PRICE CITY COUNCIL

### City Council

RICK DAVIS

AMY KNOTT-JESPERSEN

BOYD MARSING

LAYNE MILLER

TERRY WILLIS

### PUBLIC NOTICE OF MEETING

Public notice is hereby given that the City Council of Price City, Utah, will hold a Regular Meeting in the Council Chambers, 185 East Main, Price, Utah, at 5:30 PM on 01/27/2021. The Mayor reserves the right to modify the sequence of agenda items in order to facilitate special needs.

### AGENDA

1. CALL MEETING TO ORDER
  2. PLEDGE OF ALLEGIANCE
  3. ROLL CALL
  4. SAFETY SECONDS - Councilmember Willis
  5. PUBLIC COMMENT
  6. RESOLUTION 2021-01 PRICE MUNICIPAL CORPORATION WATER CONSERVATION PLAN - Consideration and possible approval of the updated 2020-2026 water conservation plan.
- CONSENT AGENDA
7. MINUTES
    - a. January 13, 2020 City Council Meeting
  8. STREET NAME CHANGE - Consideration and possible approval to change the name of the street, 300 East, to Eagle Avenue.
  9. LIBRARY ANNUAL CHILDREN TEEN BOOK ENHANCEMENT GRANT APPLICATION - Consideration and possible approval for the Price City Library to apply for the Children and Teen Book Enhancement Grant.
  10. CONSTRUCTION ENGINEERING SERVICES-: PROJECT 1C-2021- Consideration and possible approval of an agreement with Johansen and Tuttle Engineering for construction engineering, surveying, and materials testing.
  11. PROJECT 1C-2021: 300E/700E/4th - Consideration and possible approval of a service agreement with Nielson Construction to complete the project as designed.
  12. TravelStorysGPS STATEMENT OF WORK - Consideration and possible approval of Statement of Work.
  13. TravelStorysGPS CLIENT AGREEMENT - Consideration and possible approval of agreement.
  14. TravelStorysGPS LICENSE AGREEMENT - Consideration and possible approval of Website Plugin License Agreement.
  15. CARBON CORRIDOR MOU - Consideration and possible approval of an MOU with Carbon County Office of Tourism Enhancement.
  16. BUSINESS LICENSES - Consideration and possible approval of business licenses for: Learning the Accounting Cycle LLC at 935 N 300 E, Real Estate Titans LLC at 95 E Main St., and VB, Inc. at 45 E Main St.
  17. TRAVEL REQUESTS - Consideration and possible approval of travel requests for:  
Officer Art Parry, Police Department - Advanced Roadside Impaired Driving Enforcement, February 16-17, 2021, Nephi, UT.  
Officers Nick Parker and Brandon Rigby, Police Department - Advanced Search and Seizure, Advanced Traffic Stops, and Bulletproof Report Writing Training, January 26-28, 2021, Springville, UT.  
Officer Shawn Sackett, Police Department - Law Enforcement Leadership, Spring Semester 2021, Online Course.
  18. UNFINISHED BUSINESS

I, Sherrie Gordon, the duly appointed and acting Recorder for Price City, hereby certify that the foregoing City Council Agenda was emailed to ETV10 News. The agenda was also posted in City Hall, the City's website at [www.pricecityutah.net](http://www.pricecityutah.net), and on the Utah Public Meeting Notice Website <http://www.utah.gov/pmn/index.html> on January 25, 2021. This meeting may be held electronically via telephone to permit one or more of the council members to participate.

Note: In compliance with the Americans with Disabilities Act, individuals needing special accommodations during this meeting should contact Sherrie Gordon at 185 E. Main Price, Utah, telephone 435-636-3183 at least 24 hours prior to the meeting.

Resolution Number: 2021-01

## MUNICIPAL WATER CONSERVATION PLAN PROGRAM RESOLUTION

RESOLVED that PRICE CITY informs the Utah Division of Water Resources of the following actions taken by the:

Price City Council

(Governing Body)

1. Reviewed the attached Price City Water Conservation Plan for 2020-2026
2. Will take all steps to implement the water conservation plan.
3. Will take all steps to maintain an on-going water conservation program.
4. Will take steps to achieve water conservation results under the guidelines of the Utah Division of Water Resources into the future.

Passed by a (majority) (unanimous) vote on:

January 27, 2021  
(Date)

Michael Harrison  
Mayor



Shirley L. Lister  
Attest: City Recorder

## **TABLE OF CONTENTS**

- ➔ **Signature Page: Mayor & City Council--Plan Approval.**
- ➔ **Purpose and Assignments: State Agencies.  
State and Local Policy Leaders.  
Water Suppliers.**
- ➔ **Description: Price City and Surrounding Areas.  
Price City Water Resources.**
- ➔ **Water Service Area: Utah Division of Water Resources Map.  
Price City Map.**
- ➔ **Supply: 2019 Water Connections.  
2019 Water Production in Gallons.**
- ➔ **System Growth: Jones & DeMille Engineering  
Master Plan January 2012:  
Population Estimate.  
Water Availability.  
Water Rights-Reliable Water.**
- ➔ **Present Water Use and Future Water Needs.**
- ➔ **Water Measurement / System Water Loss Control.**
- ➔ **Price City Water Rates.**
- ➔ **Water Use: History / Breakdown / Gallons Per Person Per Day.  
2019 water year usage / residential, commercial,  
industrial, and institutional.**
- ➔ **M&I Water Conservation Regions: Upper Colorado River  
Map and Conservation Goals.**
- ➔ **Conservation Practices: Overall Water Use Reduction Goals.  
Coordinator, Staff, and Committee.  
Public Information, Education, and Programs.**
- ➔ **Utah Division of Water Resources:  
List of Conservation Best Management Practices (BMP's).**



# PURPOSE

## State Agencies

### History

Water conservation planning has changed many times since the Division of Water Rights was created in 1967.

The 1990 State Water Plan established a policy on water management. The Division began discussing water conservation goals in 1994.

Then, Utah promoted the statewide water conservation goal of reducing water usage by 25% by 2025. The Municipal & Industrial (M&I) Plan tracked per-capita M&I water usage estimates of water suppliers using the year 2000 as the base value.

In 2015, the water usage calculations showed an 18% decline in the M&I category.

### Future

Utah has recognized that the uncertainty of water availability will increase in the future.

Now, new goals and future projections have been presented for the time periods: 2030 (goal), 2040 (projection), and 2065 (projection).

The 2030 goal will be the primary focus for action over the next decade with the 2040 and 2065 projections providing guidance for planning and future expectations.

As 2030 approaches, the 2040 and 2065 projections will be revisited and modified as demographics, technology, conditions, and behaviors change.

In 2015 (the new baseline year), Utah's M&I water use was about 240 gpcd (DWRe 2019a, 2019b).

If we consider all regional goals together, the outcome for the entire state is 202 gpcd by 2030 (16% reduction from 2015).

Projections for all regions, considered together, are 188 gpcd by 2040 (22% reduction from 2015), and 179 gpcd by 2065 (26% reduction from 2015).

Meeting the goals will save nearly 165,000 ac-ft annually across the state.

### The Need for Regional Goals

One of the limitations of statewide water conservation goal is that it blurs the importance of local differences. Utah is a large state with diverse terrain, climates, populations, development, patterns, and attitudes that affect what water is available and how it is used.

Utah has been separated into 9 different water conservation regions. Multiple factors were considered when determining each region. Price City is grouped into the Carbon, Emery, and Grand Counties' area. It is called the Upper Colorado River Region.

### **State and Local Policy Leaders**

Policy plays a vital role in motivating and enabling water conservation.

State, county, and local policy leaders should establish policies which require accountability for efficient water use.

Policy leaders' support must consider universal metering, water loss control, education, and other water conservation activities, as well as the necessary funds for success.

Policy leaders must also decide whether they are willing to support the necessary land use changes that will be required to reach the water conservation goals.

This will include working with and being responsive to market forces to reduce both overall lot sizes for residential development and the amount of turf grass allowed.

Policy leaders can set or influence the pricing of water to promote conservation and reflect the cost of water scarcity.

State and local governments should consider the water use impacts of proposed businesses and their plans for water-efficient fixtures, landscaping, and operations before approving construction or incentives.

### **Water Suppliers**

Water suppliers have a public responsibility to provide sufficient, safe water to their customers and to carefully manage this resource.

In fulfilling this responsibility, water suppliers are responsible for developing and implementing their own Water Conservation Plans that define local goals, practices, pricing, and accountability.

Achieving water conservation goals will require a major investment. Gross unit costs for water conservation practices will need to be analyzed. Funding for implementation will be needed.

### **Water Users**

The water conservation mindset begins with individual water users.

By recognizing water as a limited resource and changing their water use practices accordingly, water users will directly impact the overall water situation and the achievement of the regional goals.

All Utahans' are encouraged to do their part in conserving water for Utah's future.





PRICE CITY





Price  
Utah



# PRICE CITY

## Description

Price City is located in central Utah, east of the mountain range which divides the state. It is located southeast of the Wasatch Front which includes Provo, Orem, and Salt Lake City areas. Price is the principal city of Carbon County, followed by Helper, Wellington, East Carbon—Sunnyside, and the residents in the unincorporated County areas.

While “rural” in some characteristics, the Price-Helper-Wellington area is a regional service center having excellent amenities and resources for a community its size. Price is the headquarters for a variety of federal & state agencies, the Castleview Hospital, and a very competitive college; Utah State University-Eastern. Coal mining, natural gas fields, power plants add industrial work to the population of Carbon and Emery County. Agriculture and ranching operations still have a significant influence on economic development within the region. Sight-seeing, tourism and recreation has seen a notable improvement. Businesses populate the downtown and central areas of Price City to provide residents with local goods, food, and day-to-day needs.

## Water Resources

Price City receives culinary water from three main sources: Colton Springs; surface water diverted from the Price River for treatment at the water plant; and from the Price River Water Improvement District (PRWID) through a water exchange agreement. Also, water from the Colton Wells is available for emergency or as-needed use.

The Colton Springs are located northwest of Price City in the mountain areas of Price Canyon. The spring water is a free-flowing underground source of water that is piped to the Price City water treatment plant for chlorine disinfection.

Price City owns and operates a seasonal water treatment plant in Price Canyon that is located three miles north of Helper, Utah. Price City can meet its winter water demands from Colton Springs. As summer approaches and water usage increases, the City diverts surface water from the Price River for a full treatment at the water plant. It usually starts in April or May and shuts down in September or October.

Price City and PRWID have an inter-agency agreement for water exchange where each water supplier can receive or provide water on an as-needed basis. Price City can receive water from PRWID during high summer flows to reduce the strain on the water treatment plant. PRWID can receive water from Price City during the winter season when extra spring water is available.

Price City purchased ownership of the Colton Wells when the Carbon Power Plant was put out-of-service a few years back. Price City has a water wholesale agreement with Helper City to provide water to them. They usually take water at 150 to 300 gpm starting in the springtime, most all of the summer, and shut the South Colton Well down some time in the late fall. Price City will only use the Colton Well water in an emergency or as-needed basis. Note: The North Colton Well is inactive and has never been used to supply water to Price City or Helper City.

Public Works Director  
MILES C. NELSON  
City Engineer  
VACANT  
Streets & Fleet Supervisor  
J. SCOTT OLSEN  
Water & Sewer Supervisor  
SAM WHITE  
Building Inspection  
TRENTON BENNETT



Mayor  
MICHAEL KOURIANOS

City Council  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

## 2019

### Water Connections

Residential	4352
Commercial	330
Industrial	21
Institutional	144
<b>Total Water Connections</b>	<b>4847</b>

---

### Water Production in Gallons

Treatment Plant	53,609,000
Colton Springs	1,056,503,000
Colton Wells	0
Receiving from PRWID	27,655,000 (Water Exchange from PRWID)
Giving to PRWID	147,509,000 (Water Exchange to PRWID)
Giving to River	72,890,000
<b>Total Water Production</b>	<b>917,368,000</b>

---

**Unaccountable Water Loss 291,250,000 = 31.75%**



Public Works Director  
MILES C. NELSON  
City Engineer  
VACANT  
Streets & Fleet Supervisor  
J. SCOTT OLSEN  
Water & Sewer Supervisor  
SAM WHITE  
Building Inspection  
TRENTON BENNETT

Mayor  
MICHAEL KOURIANOS

City Council  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

Price  
Utah

## DEPARTMENT OF PUBLIC WORKS

432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

### System Growth

The purpose of this study is to plan system improvements to handle current and future demands. Inadequate planning and system limitations could unintentionally discourage economic development and growth. Estimating the City's population growth is important part of planning because it suggests how much improvement is needed and how soon.

The United States Census and the State Governor's Office of Planning and Budget (GOPB) projections were considered. Table 1 summarizes the estimated population data. These same values are shown graphically in Figure 2. The average growth rate from 1960 to 2000 was calculated and used to predict population growth from 2020 to 2050. The census growth rate represents a linear type growth consistent with past census numbers. However, the GOPB numbers reflect actual local growth trends. Since Price City's growth is tied to changes in the natural resource extraction industry, boom and bust cycles are evident between the 1960s and 1980s and again from 1980 to present. The GOPB population projection reflects the boom and bust trends much better than the linear census trend. For use in this study, the GOPB population study was selected and used to track likely Price City growth for the next 50 years. The future population may be higher or lower than the predicted values due to economic or other factors. In this study, future culinary water system demands are based on the GOPB population estimates for the next 40 years.

Table 1 Population Estimates for Price, Utah

Year	Census Data	Linear Projection	GOPB Projection
1890	209	405	
1900	539	1,207	
1910	1,021	2,008	
1920	2,777	2,810	
1930	4,084	3,612	
1940	5,214	4,413	
1950	6,010	5,215	
1960	6,802	6,016	
1970	6,218	6,818	
1980	9,086	7,620	
1990	8,712	8,421	
2000	8,402	9,223	8,402
2010	8,715	10,025	8,344
2020		10,826	10,203
2030		11,628	11,134
2040		12,430	11,273
2050		13,231	11,612
2060		14,033	12,049

Current Water Rights  
and Contracted Flows

10,647 people

January 2012

Public Works Director  
MILES C. NELSON  
City Engineer  
VACANT  
Streets & Fleet Supervisor  
J. SCOTT OLSEN  
Water & Sewer Supervisor  
SAM WHITE  
Building Inspection  
TRENTON BENNETT

Mayor  
MICHAEL KOURIANOS

City Council  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS



## DEPARTMENT OF PUBLIC WORKS

432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

### Reliable Water

The acre-feet of water allotted by right may not be the amount of water available for City use. For planning purposes, it is important to identify the amount of reliable water available in drought conditions. The Division of Drinking Water (DDW) regulations require that the quantity of water available from surface water sources must "be assumed to be no greater than the low flow of a 25-year recurrence interval or the low flow of record for these sources when 25-years of records are not available" (R309-515-5(4)(a)).

Based on the Price City 2011 Projected Water Rights Use Analysis by Hansen, Allen and Luce (HAL) the city could experience an 84.8% reduction in flows during drought conditions. This reduces the Price River reliable water to 304.5 acre-feet per year. With all current rights, the reliable volume of existing water rights is 3,603 AF (3.2 MGD) as shown in Table 10.

Table 10. Reliable Water From Water Right Analysis<sup>7</sup>

Claim No. / Irrigation Co.	Source	Full Water Right Volume (acre-feet)	Reliable Volume with Drought Conditions (acre-feet)	Net Reduction (acre-feet)
a-405/91-341 <sup>1</sup>	Colton Springs	675.0	675.0	0
a-1146/91-373 <sup>1</sup>	Colton Springs	437.5	437.5	0
a-781/91-349 <sup>1</sup>	Colton Springs	600.0	600.0	0
A8312 / 91-75	Colton Springs	474.5	474.5	0
Price Water Company	Price River	697.6	106.0	591.6
Pioneer Ditch 1	Price River	588.0	89.4	498.6
Pioneer Ditch 2	Price River	223.0	33.9	189.1
Allred Ditch Company	Price River	494.6	75.2	419.4
Price River Water Users Association <sup>2</sup>	Scofield Reservoir	1,111.9	1,111.9	0
<b>Total:</b>		<b>5,302.2</b>	<b>3,603.4</b>	<b>1,698.7</b>

1. An analysis of reliable water supply based on a 25-year recurrence interval for this source was not completed. Available data show combined flow measurements for both Colton Springs and UP&L Well No. 1. Based on a preliminary review of available data the total reliable water supply would be well under the value used.

2. An analysis of reliable water supply based on a 25-year recurrence interval for this source was not completed. If completed, the total reliable supply would decrease.

<sup>7</sup> Price City Projected Water Rights Use Analysis, November, 2011, Hansen, Allen and Luce, Inc.

Price City Water System Master Plan

page 14  
January 2012

JONES & DEMILLE ENGINEERING

**Public Works Director**  
MILES C. NELSON  
**City Engineer**  
VACANT  
**Streets & Fleet Supervisor**  
J. SCOTT OLSEN  
**Water & Sewer Supervisor**  
SAM WHITE  
**Building Inspection**  
TRENTON BENNETT



**Mayor**  
**MICHAEL KOURIANOS**

**City Council**  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

## **PRESENT WATER USE AND FUTURE WATER NEEDS**

It is projected that current water rights and contracted flows can serve 10,647 people. The Governor's Office of Planning and Budget (GOPB) estimates that Price could reach the population of 10,647 in the time frame of 2025. Many factors influence this projection, and estimates may vary substantially from the actual population experienced. Currently, population growth in Price City has reached a level of minimal growth. The 2018 census has indicated that Price City has 8,232 people. But a population upswing may occur in the near future if commercial and/or industrial businesses expand or enter the area. This will create a need for new housing developments and apartment or townhome living complexes. Planning for future water supplies should not be discounted. Price City needs to be ready to have new water sources in place for growth.

- 1) Purchase of water shares at Scofield Reservoir is an option that is pursued regularly by Price City. Price City usually budgets for water share purchases on a yearly basis when availability and budget funding allows.
- 2) In 2017, Price City purchased the Colton Wells (#1 South Well & #2 North Well) from Pacific Corp / Rocky Mountain Power. When the Carbon Power Plant was put out-of-service and demolished, there was no need retain the wells and water rights. Currently, Price City owns, operates, and maintains the Colton Wells. Price City has water wholesale agreement with Helper City to subsidize their water needs in the spring, summer, and fall. With the availability or transfer of existing water rights, the wells might be an option for future water needs.
- 3) Carbon County is pursuing a new reservoir to meet water demands. The Garley Dam and Reservoir project would allow western Carbon County to capture up to 5,000 acre-feet of unused water from the Price River for future water supplies. The reservoir will be located 3 miles northwest of Price. The project is being spearheaded by the Price River Watershed Council, which includes multiple entities, including Price City, the Price River Water Users Association, Carbon County, and Price River Water Improvement District, as well as local residents.
- 4) One of the best ways Price City can reduce the need for future water supplies is by implementing water conservation programs and practices. Utah has a new "Recommended State Water Strategy" plan now in place. Water Suppliers are required to submit a new Water Conservation Plan to the Division of Water Resources. A useful guide or reference is the "Utah's Regional Water Conservation Goals" that was prepared in November 2019. Price City needs to be diligent to prevent set-backs or complacency for future water conservation needs and state requirements.



**Public Works Director**  
MILES C. NELSON  
**City Engineer**  
VACANT  
**Streets & Fleet Supervisor**  
J. SCOTT OLSEN  
**Water & Sewer Supervisor**  
SAM WHITE  
**Building Inspection**  
TRENTON BENNETT



**Mayor**  
**MICHAEL KOURIANOS**

**City Council**  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

## **WATER MEASUREMENT**

Price City meters all water sources.

- 1) Colton Springs.
- 2) Price River Diversion for Price City Water Treatment Plant.
- 3) Price River Water Improvement District (PRWID) Water Exchange.
  - a) Receive from PRWID.
  - b) Give to PRWID.
- 4) Colton Wells.
- 5) Untreated water from Colton Springs that is returned to Price River. This happens when the water is not needed. The water demand is down and Price City and/or PRWID water storage tanks are full.

Price City meters all water users on the water distribution system.

- 1) Price City reads all water meters and provides usage amounts in gallons and a billing statement to customers on a monthly basis.
- 2) Price City repairs or replaces faulty meters in a timely manner.

## **SYSTEM WATER LOSS CONTROL**

Price City repairs all known water leaks in the transmission and distribution system in a timely manner.

Price City repairs or replaces the aging water system infrastructure on a regular basis with a proactive approach. It can be performed in-house water department maintenance work or contractor bid projects through the Capital Improvement Budget Program.

**EXHIBIT 3**  
**PRICE CITY WATER RATES**  
**EFFECTIVE 6-1-16**

**RATE CLASS I – Residential Customers within Corporate Limits of Price City**

The Base Charge for water service on a per dwelling unit basis shall be \$26.72 per month

Variable Usage Charges for water on a per volume basis (metered):

From 0 to 10,000 gallons	Included in Base Charge
From 10,001 to 30,000 gallons	\$1.75 per 1,000 gallons
From 30,001 to 60,000 gallons	\$2.00 per 1,000 gallons
From 60,001 to 80,000 gallons	\$2.25 per 1,000 gallons
Over 80,000 gallons	\$2.75 per 1,000 gallons

**RATE CLASS II – Commercial, Industrial, and Institutional Customers within Corporate Limits of Price City**

The Base Charge for water service on a per meter basis shall be \$29.07 per month

Variable Usage Charges for water on a per volume basis (metered):

From 0 to 10,000 gallons	Included in Base Charge
From 10,001 to 40,000 gallons	\$2.03 per 1,000 gallons
From 40,001 to 100,000 gallons	\$2.25 per 1,000 gallons
From 100,001 to 350,000 gallons	\$3.00 per 1,000 gallons
Over 350,000 gallons	\$3.50 per 1,000 gallons

**RATE CLASS III – Residential Customers outside Corporate Limits of Price City**

The Base Charge for water service on a per dwelling unit basis shall be \$33.29 per month

Variable Usage Charges for water on a per volume basis (metered):

From 0 to 10,000 gallons	Included in Base Charge
From 10,001 to 15,000 gallons	\$2.89 per 1,000 gallons
From 15,001 to 100,000 gallons	\$3.34 per 1,000 gallons
Over 100,000 gallons	\$3.50 per 1,000 gallons

**RATE CLASS IV – Commercial, Industrial, and Institutional Customers outside Corporate Limits of Price City**

The Base Charge for water service on a per meter basis shall be \$33.29 per month

Variable Usage Charges for water on a per volume basis (metered):

From 0 to 10,000 gallons	Included in Base Charge
From 10,001 to 15,000 gallons	\$2.89 per 1,000 gallons
From 15,001 to 100,000 gallons	\$3.34 per 1,000 gallons
Over 100,000 gallons	\$3.50 per 1,000 gallons

Public Works Director  
MILES C. NELSON  
City Engineer  
VACANT  
Streets & Fleet Supervisor  
J. SCOTT OLSEN  
Water & Sewer Supervisor  
SAM WHITE  
Building Inspection  
TRENTON BENNETT

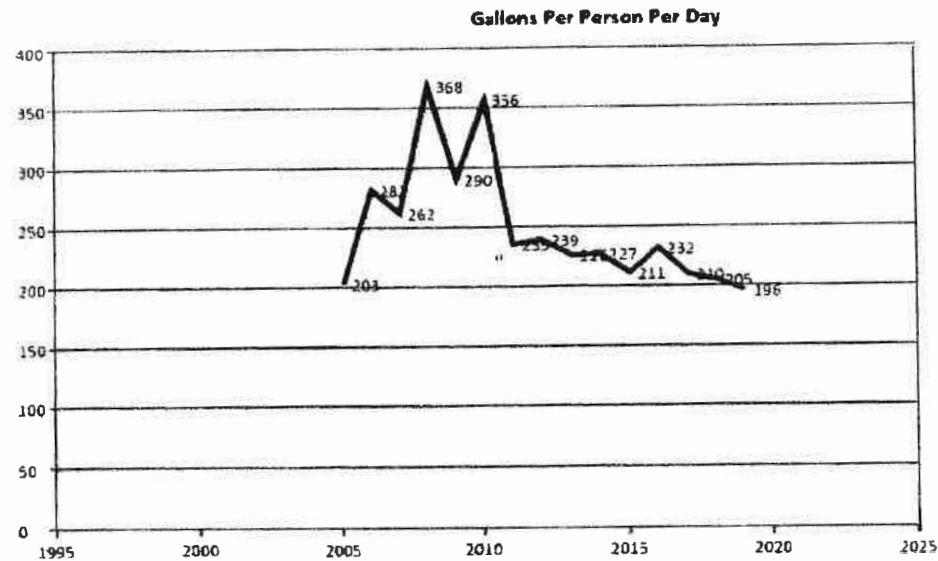


**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

**Mayor**  
**MICHAEL KOURIANOS**

**City Council**  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

Year	Gallons Per Person Per Day
2005	203
2006	282
2007	262
2008	368
2009	290
2010	356
2011	235
2012	239
2013	226
2014	227
2015	211
2016	232
2017	210
2018	205
2019	196



— Gallons Per Person Per Day

2019	Indoor/Outdoor Water Use
Residential	118
Commercial	22
Institutional	53
Industrial	1
Accountable Waterloss	3
<b>Total</b>	<b>196</b>



**Public Works Director**  
MILES C. NELSON  
**City Engineer**  
VACANT  
**Streets & Fleet Supervisor**  
J. SCOTT OLSEN  
**Water & Sewer Supervisor**  
SAM WHITE  
**Building Inspection**  
TRENTON BENNETT



**Mayor**  
**MICHAEL KOURIANOS**

**City Council**  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

**2019**

**"METERED GALLONS DELIVERED"**

<b>Residential</b>	<b>374,585,300</b>
<b>Commercial</b>	<b>69,512,900</b>
<b>Industrial</b>	<b>4,139,700</b>
<b>Institutional</b>	<b>177,891,425</b>

---

**Total:** **626,129,325 Gallons**

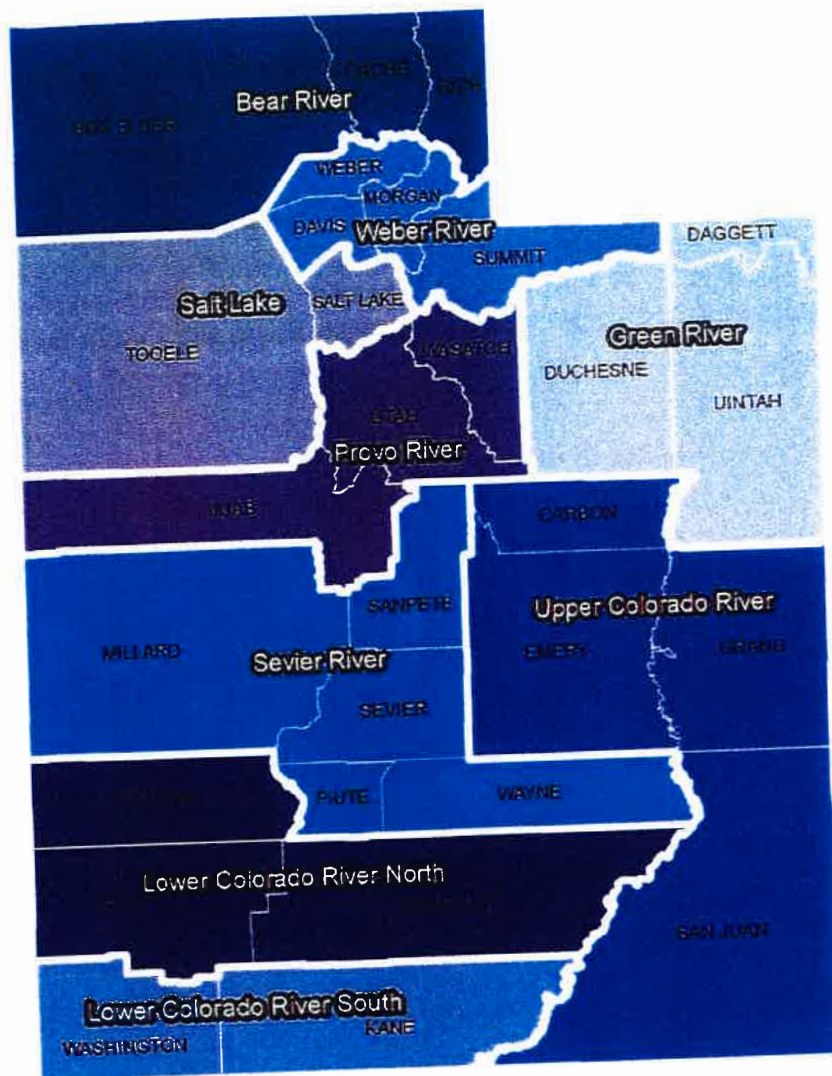


Figure 7-1: Regional M&I Water Conservation Boundaries

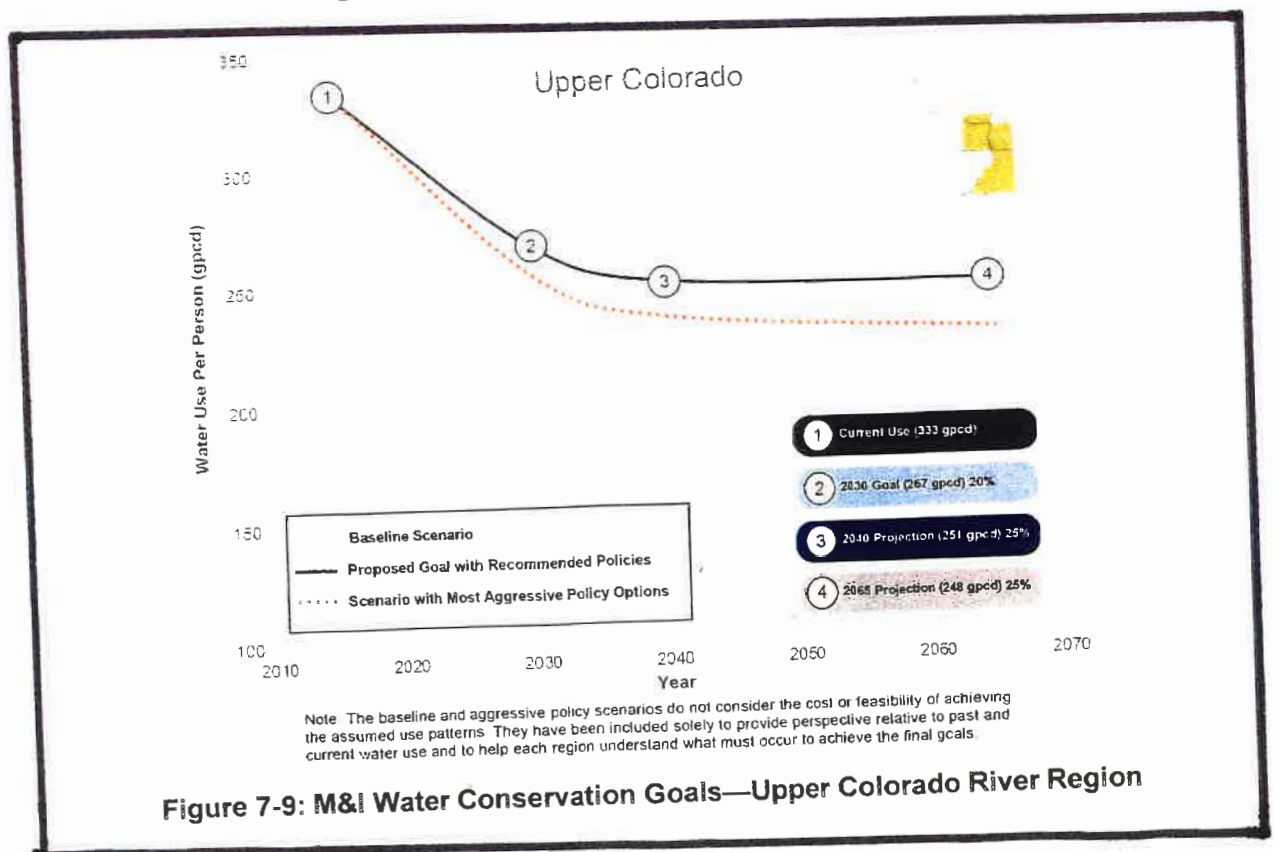


Figure 7-9: M&I Water Conservation Goals—Upper Colorado River Region

**Public Works Director**  
MILES C. NELSON  
**City Engineer**  
VACANT  
**Streets & Fleet Supervisor**  
J. SCOTT OLSEN  
**Water & Sewer Supervisor**  
SAM WHITE  
**Building Inspection**  
TRENTON BENNETT



**Mayor**  
**MICHAEL KOURIANOS**

**City Council**  
RICK DAVIS  
AMY KNOTT JESPERSEN  
LAYNE MILLER  
BOYD MARSING  
TERRY WILLIS

**DEPARTMENT OF PUBLIC WORKS**  
432 WEST 600 SOUTH \*P.O. BOX 893, PRICE, UTAH 84501  
PHONE (435)637-5010 [www.priceutah.net](http://www.priceutah.net)

## **CONSERVATION PRACTICES**

### **Overall Water Use Reduction Goal**

Price City staff is using the Upper Colorado River Region's goals that were set in "Utah's Regional M&I Water Conservation Goals" Report—November 2019.

- 1) Current Use (333 gpcd)**
- 2) 2030 Goal (267 gpcd) 20%**
- 3) 2040 Projection (251 gpcd)) 25%**
- 4) 2065 Projection (248 gpcd) 25%**

### **Coordinator, Staff, Committee**

Currently, Price City does not have an active Water Conservation Committee. Projected start-up would be in 2021. A possible date for a scoping meeting would need to be scheduled. This would be an informal variety of Price City Directors and Administration (Mayor—council members) to select members of the water conservation committee.

**Water Conservation Advisory Committee:** This should be a list of individual experts in their field of work that can be invited to the water conservation meeting from time to time to provide training or information.

It would be good to name a water conservation committee chair-person. Responsibilities include organizing the meetings, posting an agenda, and providing minutes from each meeting.

For Price City, the committee might need one or two director level department heads to navigate and provide direction.

A Council Member should be assigned to the water conservation committee. The Mayor might have a standing invitation to sit in as needed.



## **Public Information, Education & Program**

### **OVERVIEW:**

There are many water conservation and best management practices that are available.

Once a Price City water conservation committee is organized then "Best Management Practices" (BMPs) can be assessed.

The timeline could be immediate or a schedule could be implemented for the future.

One factor in determining the priority of implementation for a conservation practice is cost.

The project team recognizes that water conservation of the magnitude proposed is not free and that the costs must be acknowledged in order to secure for implementation.

Water conservation education is the foundation of an effective water conservation program.

No action will occur until customers and water users understand what is needed and how to make it happen.

Emphasis on education and outreach must evolve and innovate to be most effective.

A baseline should initially be set at the starting point so a measurement of success can be identified. Results over a timeline will create a comparison to the baseline.

**The following page is a list of water conservation best management practices (BMP's) that is provided by Division of Water Resources.**

It looks very useful for the Price City water conservation effort in the future. The water conservation committee can use the template for a great start. Some of the items may already be in place. Many can be implemented into the new program.



# Conservation Best Management Practices (BMP's)

Number	Practice
<b>Water Conservation Coordinator, Committee or Team</b>	
1a	Hire or designate a Water Conservation Coordinator (WCC).
1b	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.
<b>Water Conservation Plan (WCP)</b>	
2a	Develop a WCP. More information at <a href="http://www.conservewater.utah.gov/wcp.html">www.conservewater.utah.gov/wcp.html</a> .
2b	Provide contact information, system profile, water use history and detail specific ongoing and new conservation programs.
<b>Public Awareness/PR</b>	
3a	Develop or utilize existing messaging from Slow The Flow, DWRe's Conserve Utah, CWEL and/or WaterSense.
3b	Display educational materials & resources on agency website, social media & bills.
3c	Offer agency materials and resources to community partners for distribution.
3d	Hold or collaborate events, programs and/or presentations.
<b>Education/Training</b>	
3e	Provide adult efficient water use education and training.
3f	Provide or support youth education programs for elementary school students.
3g	Provide or recommend a water-wise demonstration garden.
3h	Educate customers about new water saving technology. Example: weather based smart timers.
3i	Provide new homeowner landscape information.
3j	Participate and promote large efficient landscape training and programs: <a href="https://www.qwelutah.com/training/">https://www.qwelutah.com/training/</a>
3k	Create and/or distribute "how to video's". Example: switching to drip.
<b>Outreach Services</b>	
4a	Offer or collaborate on residential water audit programs.
4b	Offer or collaborate on landscape consultation programs.
4c	Offer residential water budgeting program.
4d	Offer indoor and outdoor retrofit kits.
4e	Perform outdoor high water use inquiries and resolution techniques.
4f	Perform and address water waste investigations.
4g	Identify structures built before 1992 and organize low efficiency fixture replacements.
<b>Rebates/Incentives/Rewards</b>	
5a	Offer or collaborate on rebates for high efficiency appliances, fixtures, irrigation smart timers, drip irrigation, nozzles, shut off hose valves, and landscape conversions.
5b	Promote rebates offered in your service area.
<b>Ordinances &amp; Standards</b>	
6a	Adopt a time-of-day watering ordinance. Example: no watering between 10-6pm.
6b	Adopt an ordinance requiring a water-efficient landscaping option in all new residential development.
6c	Review existing plumbing codes and revise them as necessary to ensure water-conserving measures in all new construction.
6d	Adopt an ordinance requiring water-efficient landscaping in all new commercial development.
6e	Change business license requirements to require water reuse and recycling in new facilities.
6f	Mandate retrofit upon resale.
<b>Water Pricing</b>	
7a	Utah S.B.28 requires water rates rise for higher tiers of consumption.
7b	Charge for secondary water based on individual use.
7c	High water use notification.
<b>Physical System</b>	
7a	Install & maintain efficient irrigation, utilize water-wise landscaping & smart controller technology at agency facilities.
7b	Perform agency water system audit.
7c	Implement leak detection program.
7d	Meter all connections (UT SCR 1), repair and replacement program, read meters on a regular basis.
7e	Consider water re-use.