

HOOPER WATER IMPROVEMENT DISTRICT
WATER MANAGEMENT & CONSERVATION PLAN
APRIL 2014

A. BACKGROUND INFORMATION

The Weber County Commission gave final approval for the organization of the Hooper Water Improvement District in August of 1966 to provide culinary water service to the area for 350 connections.

The District was organized and is operating under the general laws of the State of Utah pursuant to Section 17A-2-301, et seq., Utah Code Annotated 1953, as amended. In May 1972, the District boundaries were expanded to include a portion of northwest Davis County that added 150 connections.

The District currently contains approximately 10,116 acres and currently has 4935 connections to the system, most of which are residential.

It is the goal of the board of trustees and the employees of the District to provide and maintain safe, quality culinary water at a cost that is fair and equitable to the customers of the District.

See attached map of the District's service area.

B. WATER SYSTEM PROFILE

Population

The current estimated population of the District is 19,304. It is estimated that at build out there may be 16,421 connections making a total projected population of 64,700. (This information was taken from the District's current capital facilities plan prepared by Gardner Engineering.)

Connections and Use

In 2013 water connections and use was as follows:

Residential	4857 connections	459,732,000 gallons sold
Commercial	29 connections	5,251,000 gallons sold
Institutional	49 connections	9,066,000 gallons sold

An average of 270 gallons per day per residential connection was used in 2013. Commercial and institutional use is 510 gallons per day per connection.

Annual Water Supply & Purchases

An estimated 9,124 gpm of culinary water will be needed to meet peak day demand at build out.

There are currently three culinary water wells that supply water to the system. Well #1 is located at approximately 3600 West and 5500 South in Roy City. This well is the primary well for the system that can provide approximately 2000 gpm to the system and is at an elevation of 4295 feet above sea level. Well #2 is located at approximately 2500 West and 4000 South in Roy City and is at an elevation of 4345 feet above sea level and can produce 2700 gpm. Well #3 is located at approximately 4300 West and 1800 North in West Point. This well is fully equipped to provide 1500 gpm to the system and is at an elevation of 4236 feet above sea level.

The District also has a connection with Weber Basin that can be used as needed. In 2007, the District entered an agreement for Weber Basin to supply culinary (indoor use only) to all new homes to be built in the future. This still leaves a need for secondary water for outdoor use and better conservation practices for culinary needs.

Secondary Water Use

There are four different secondary water providers operating within the District boundaries. They are Roy Water Conservancy District, Weber Basin Conservancy District, Davis Weber Canal Company and Hooper Irrigation Company. Between these four companies, the majority of the District's customers have access to pressurized secondary water. The areas that do not have access are the west portions of Hooper and the north unincorporated part of Davis County. It is our understanding that as growth occurs in those areas, Hooper Irrigation will install secondary water lines to those areas.

C. WATER PROBLEMS, CONSERVATION MEASURES AND GOALS

Problems & Goals Identified

1. The need to have our customers use better conservation practices.
2. Adequate water rights for future growth.
An agreement with Weber Basin to supply culinary water to all new homes to be built.
3. Adequate storage facilities for future growth.
 - a. Property has been purchased for a future tank site in Roy City.
 - b. Line sizes are increased throughout the District as needed and as outlined in the District's capital facilities plan.

4. Accurate record of actual water used.

In 1993, the District changed all water meters to a touch read system. Water meters become less accurate in reading actual flows over time. The District has begun a replacement program for these older meters. The old meters are refurbished to the new standard so that they can be reused within the system. This will help to maintain more accurate measurement of water sold.

Water Conservation Goals

1. The District requires customer to find alternative water sources for secondary purposes.
2. Plans for new subdivisions are reviewed and approved by the District engineer and must include secondary water for outside use.
3. The District's policy states that anyone building a new home in the District must hook to secondary water as soon as it becomes available.

D. CURRENT CONSERVATION PRACTICES

We encourage our customers to use secondary water for outside use. We also encourage customers to avoid watering lawns and gardens during the hottest part of the day generally between 10:00 a.m. and 6:00 p.m. and to only water when needed instead of at preset times. Customers should repair all leaks as soon as possible and we educate the public that even a small drip can be a big waste of water.

The District displays and sends water conservation material with helpful hints on how to put into practice water conserving elements and habits.

By encouraging the replacement of older higher flowing fixtures such as toilets, shower heads, dishwashers and washing machines with newer low flowing models, customers can save additional culinary water.

District personnel are available to discuss conservation tips and practices to any school or community group when asked.

E. CURRENT WATER RATES

The board of trustees has recognized the need to conserve and has implemented a rate structure that will help customers conserve. The water rates are and will be reviewed each year, and adjusted when necessary.

The rate is as follows:

Base 5/8" Meter		\$9.00
Tier 1	0 to 10,000 gallons	\$1.15 per 1000 gallons
Tier 2	10,001 to 40,000 gallons	1.35 per 1000 gallons
Tier 3	40,001 to 70,000 gallons	2.00 per 1000 gallons
Tier 4	70,001 to 150,000 gallons	2.60 per 1000 gallons
Tier 5	150,001 plus gallons	3.00 per 1000 gallons

base rate per month for meter size

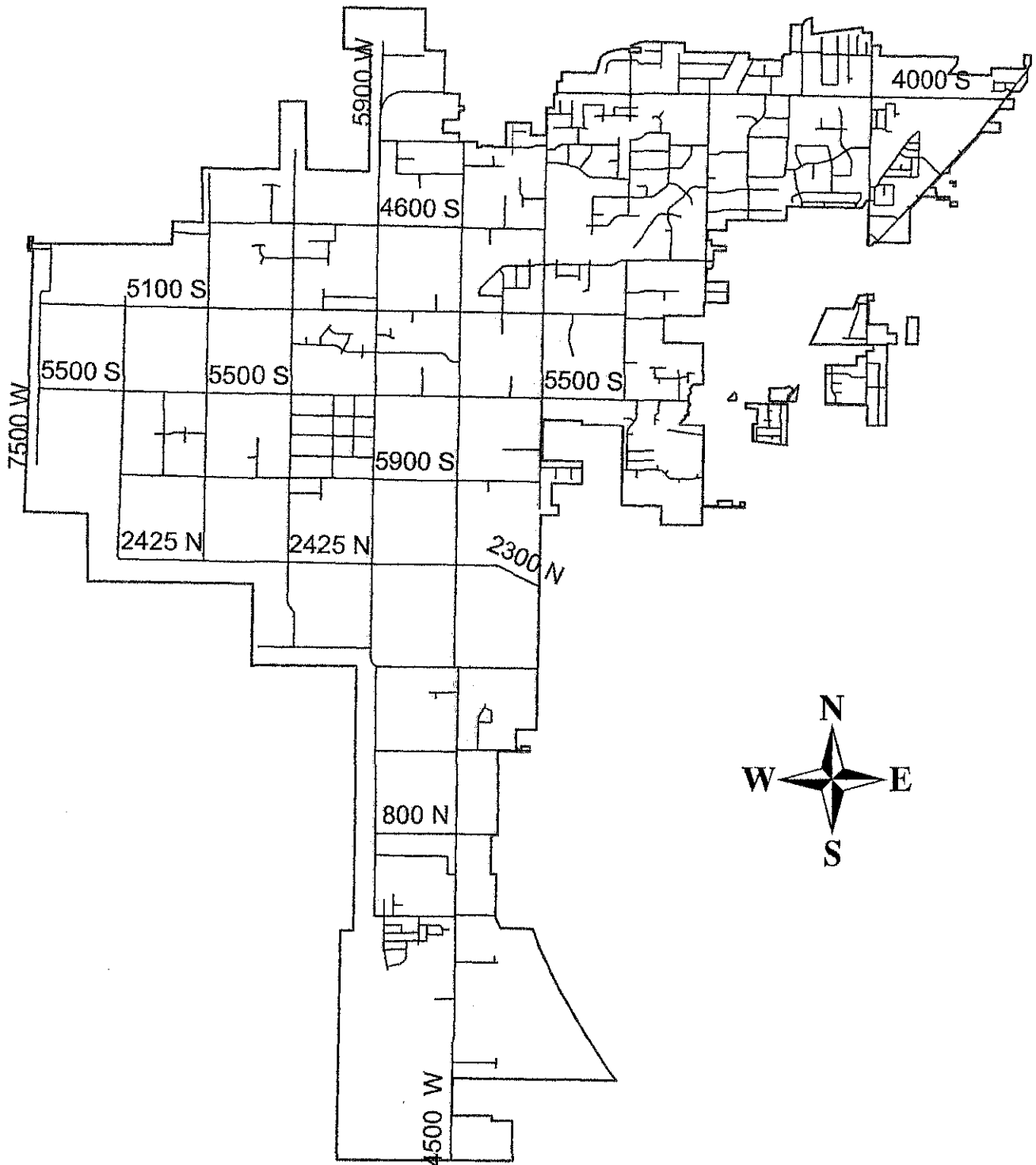
5/8 inch meter	\$ 9.00
1 inch meter	12.00
1 ½ inch meter	15.00
2 inch meter	20.00
3 inch meter	25.00

F. IMPLEMENTING AND UPDATING THE WATER CONSERVATION PLAN

Scott Christiansen, Manager of the District has been assigned the responsibility of implementing and monitoring this Water Conservation Plan.


This plan will be reviewed on an annual basis and updated as necessary.

Hooper Water Improvement District Boundary



CERTIFICATION OF ADOPTION

The Hooper Water Improvement District hereby certifies that the board of trustees has established and adopted the attached Water Management and Conservation Plan on May 13, 2014.


Name

Board Chairman
Title

5/13/14
Date