



## HOW TO APPLY THESE RATES TO YOUR BILL

### TIERED WATER—BACKGROUND

Our most important resource in North Logan City is Water!

Utah is the second driest state in the USA, and there has always been a struggle to provide water. North Logan City is no stranger to the struggle for water. In fact, we were founded because of the need for water. We are growing and aging, and our water supply and infrastructure are failing behind our expanding water demands. In order to meet these new demands, the city needs to invest resources in finding new water sources, creating additional storage, and replacing our aging infrastructure. More than anything, we need users to conserve water.

The last few years have brought increased growth to the city and we have had to implement water shortage plans. Last year we began the summer months in the “Orange” range, and entered “Red” several times. This year we are beginning in “Yellow”. If the current trend continues we will be in “Red” restrictions (which are very limiting) for July and August. (For an outline of the water shortage plan and what these colors actually mean visit [northlogancity.org](http://northlogancity.org))

In addition to the struggles that we face with water supply and delivery the State mandated that all cities implement a tiered water pricing structure. This Tiered Rate system will give discounts to those who are using less water and will increase fees for those that use a significantly larger amount of water. Through a citizen advisory committee, these tiers have been studied and analyzed for over a year to find steps that will allow users to reach goals and lower consumption and therefore lower their water bills.

These new rates (included here) are under consideration to be implemented in the June billing cycle, beginning June 15. The city wants to help you conserve water. Through water conservation we all win. There are water conservation resources and guides available to you at [northlogancity.org](http://northlogancity.org). Additionally, some excellent resources including access to government rebates, can be found at [slowtheflow.org](http://slowtheflow.org). We are continuing to work on education materials and we will begin to have programs at the North Logan Library to help people achieve conservation.

With the overall goal of water conservation, we have set the base rate to be one of the lowest in the valley. The base rate is the fee that you pay regardless of water use, it is a set income to the city that we use to rebuild infrastructure. We have not changed this rate since 1997. With only a small base rate increase, we hope to incentivize users to keep their use low in order to keep their bill lower than anywhere in the valley. The base rate increase of \$5.04 is just enough to help with current system needs. By State law, our water fees are only used for water related items.

#### Existing Single Family with Base Rate of \$7.11

\$1.57	Per 1,000 gallons
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#### Proposed Single Family Tiers with Base Rate of \$12.15

Tier	Volume (Gallons)	Rate (\$/1,000 gallons)
1	1—10,000	\$1.57
2	10,001—30,000	\$1.67
3	30,001—60,000	\$1.77
4	60,001—90,000	\$1.90
5	90,001—125,000	\$2.10
6	125,001—150,000	\$2.35
7	150,001—250,000	\$2.50
8	250,001—300,000	\$3.00
9	300,001 +	\$4.00

*Scenario #1*  
**6,000 gallons per month across all residential connections.** (50% Of NLC Residents use this)

**10,000 gallon Culinary Water use in July:**  
 Existing = \$22.81 Tiered Rates = \$27.85  
**(Total increase = \$5.04 / Month)**

*Scenario #2*  
**40,000 gallon Culinary Water use in July:**  
 (85% of NLC residents use less than this)  
 Existing = \$54.21 Tiered Rates = \$69.91  
**(Total increase = \$15.70/ Month)**

*Scenario #3*  
**65,000 gallon Culinary Water use in July:**  
 (Only 15% of NLC residents use more than this)  
 Existing = \$109.16 Tiered Rates = \$123.85  
**(Total Increase = \$14.69 / Month)**

*Scenario #4*  
**95,000 gallon Culinary Water use in July:**  
 (Only 5% of NLC residents use this amount or more)  
 Existing = \$156.26 Tiered Rates = \$181.86  
**(Total increase = \$25.60 / Month)**

## TIPS ON HOW TO CONSERVE CONT.

Your utility bill will state the usage that you are billed for per month. For example if you use 60,000 gallons in a month, this is how your water usage would be charged under the new tiered system:

The first 10,000 gallons of the 60,000 gallons would be charged based on the Tier 1 Rate (\$1.57/1000 gallons). The next 20,000 gallons would be charged the Tier 2 Rate (\$1.67/1000 gallons). The next 30,000 gallons would be charged the Tier 3 Rate (\$1.77/1000 gallons) and so forth up each of the tiers on the chart. In effect, this is what the calculation would be for 60,000 gallons use in a month

## HOW DO OUR RATES COMPARE TO OTHERS

How does this Compare throughout the Valley? Let's look at the average use of 6,000 gallons of culinary water, which is median of North Logan City use in July and 99.8 percentile of North Logan City winter month usage (when outdoor water is not in use).

**6,000 gallons of use under the new tiered rates**

**North Logan - \$21.57**

**Hyde Park - \$29.00**

**Smithfield - \$26.40**

**Logan - \$36.35**

North Logan City is very concerned about the amount of available water we have. We are in desperate need of conservation and increase to our supply and storage abilities. Please contact us if you have any questions about these rates.

## TIPS ON HOW TO CONSERVE

How much water should I use???? The average culinary user (without secondary water) should shoot for 20,000-30,000 gallons per month on a 1/3 acre lot in July that contains roughly 10,000 - 15,000 square feet of turf. It is not easy for us to tell you how much water you should use, but here are some of the ways that you can save a significant amount of water at your home. There are also links to calculators to show you how much you should be using at your home.

- Visually inspect your sprinkler system once a month during daylight hours. Check and fix any tilted, clogged or broken heads. Although watering at night is recommended, you won't notice problems with your system unless you see it in operation.

- Water your landscape in cycles by reducing the number of minutes on your timer and using multiple start times spaced one hour apart. This allows the water to soak into the soil and avoids runoff.
- Water your lawn only when it needs it. If you leave footprints on the grass, it is usually time to water.
- Turn your sprinkler system off during or after a rain-storm and leave it off until the plants need to be watered again.
- Install drip irrigation systems for trees, shrubs and flowers.
- Avoid watering your lawn on windy days.
- Try to add more days between watering. Allowing your lawn to dry out between watering creates deeper roots and allows you to water deeper and less often.
- Place a rain gauge in your backyard to monitor rainfall and irrigation. (Gauges are available for free at the North Logan City Offices).
- Test soil moisture with a soil probe or screwdriver before you water. If the soil is moist, don't water!
- Make sure the water coming out of your sprinklers is not misting and drifting away in the wind. This is usually caused by too high of pressure—if necessary, install a pressure reducer on your sprinkler line.
- Turn back your automatic timers in the spring and fall.
- Change your lawn mower to a 3.5 inch clipping height and try not to cut off more than one-third of the grass height when you mow.
- Consider replacing infrequently used lawn areas with low-water use plants or ground covers.

You want to apply 1/2" of water every time you water. Typically pop-up heads require 20 minutes and impact rotor heads require 40 minutes to achieve this.

North Logan wants to help. We will be offering a "How to" guide as well as water depth gauges at the City Offices for you to pick up and test your system.

REBATES: There are numerous rebates offered by the state to help you install smart water controllers. Visit <https://utahwatersavers.com/> for up to 50% rebates!!

### **Free Irrigation system wellness checks available for residents:**

**Cache county residents can receive a free "well check" on their irrigation system this summer, thanks to a partnership between the Cache Water Conservancy District and Utah State University Extension. Call (435)-752-6263 or visit [cwel.usu.edu](http://cwel.usu.edu)**