



**Skyline**  
**Mountain**  
**Special Service**  
**District**

Water Conservation Plan 2021

# Skyline Mountain Special Service District

## 2021 WATER MANAGEMENT AND CONSERVATION PLAN

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### PURPOSE

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The idea of conserving water was initiated in the pioneer days. Living in such a dry region, the people were very conservation minded. They built ditches and canals and holding ponds. Later concrete ditch linings and pipes were put into use. Today, many residents are less concerned. They know that when they turn on the faucet, water will appear and they give little thought to where it comes from or what is involved in maintaining the water system. When the availability of water is taken for granted, few people are concerned about conserving it.

The purpose of this plan, therefore, is to identify water conservation problems and find solutions through rate structuring and educating citizens concerning sources of water, the water system, and current water usage and why it is critical to use water conservatively to meet current and future needs.

SSD  
SKYLINE SPECIAL SERVICE DISTRICT

## EXISTING RESOURCES

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### Water Rights:

SMSSD – Water Right numbers 65-368, 65-1712, 65-1713, 65-2887, 65-2928, 65-3413.

### Club House Well

Under Ground Water Well 70 Gallons per Minute (gpm)

### Golf Course Well

Under Ground Water Well 70 Gallons per Minute (gpm)

### Thad's Peak Well

Under Ground Water Well 40 Gallons per Minute (gpm)

### Culinary:

Skyline Mountain Special Service District's culinary water for Full time area and lower fill station comes from two Wells

Club House Well

Golf Course Well

Skyline Mountain Special Service District's culinary water for Fill station on top of mountain comes from one Well

Thad's Peak Well

**Water Storage:**

Skyline Mountain Special Service District has (3) water storage tanks. The two lower tanks are made of concrete and both are in good condition. The water Tanks meets the required storage for the water system and in 2013, 98% of the system was replaced new.

**Tank Name:**

**Capacity:**

Lower Storage Tank

55,000 Gallons

Upper Storage Tank

250,000 Gallons

The storage tank at Thad's Peak Well is an approved semi water tank use for the fill station on top of the mountain.

**Tank Name:**

**Capacity:**

Thad's Peak Storage Tank

12,000

Total Capacity for all (3) tanks is 317,000 Gallons



## Current Water Use and Estimate of Future Requirements

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### Culinary:

In 2020 Skyline Mountain Special Service District severed 242 customers, consisting of 119 full time customers, with another 123 connected part time customers. 74 customers have water available for connections and 14 commercial connections. Upper mountain and Birch Creek areas are part time customers that get their water from two filling stations, we serve 503 customers in this capacity.

Total Culinary water usage for 2020 was 14,617,348.00 Gallons.

## Water Management Problems and Goals

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### Problems:

Skyline Mountain Special Service District does not have a pressurized Irrigation system and there for most watering is done with culinary water. Skyline Mountain Resort has a approx. 15 residents that are connected into the Golf Course sprinkler system with there own water rights threw Birch Creek Irrigation.

### Goals:

Continue to manage and operate system in an efficient manner according to Utah State Water Resources rules and regulations.

Update Thad's Peak Well fill station to a 20,000-gallon underground tank, automated card reader system, enclosed building for security, open year-round for filling tanks.

Update lower fill station to automated card reader system, enclosed building for security, open year-round for filling tanks.

Continue to upgrade system to meet all customer's needs.

## Water Conservation Measures

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### Monthly Culinary Rate Schedule Area 1:

<u>Connected:</u>	<u>Base Rate:</u>	<u>Base Water Amount:</u>	<u>Cost Above Base:</u>
¾" to 1"	\$63.00	0-6,000 gallons	\$1.00/1,000 gallons
			<u>6,001-10,000gallons</u>
			\$1.50/1,000 gallons
			<u>10,001-15,000 gallons</u>
			\$2.00/1,000 gallons
			<u>15,001-20,000 gallons</u>
			\$3.00/1000 gallons
			<u>20,001 gallons &amp; over</u>

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<u>Not-Connected:</u>	<u>Base Rate:</u>	<u>Base Water Amount:</u>
Water Available	\$40.00	Zero, unless hauled from fill station
UM Improved	\$13.00	Zero, unless hauled from fill station
UM Unimproved	\$7.00	Zero, unless hauled from fill station
BC Improved	\$13.00	Zero, unless hauled from fill station
BC Unimproved	\$7.00	Zero, unless hauled from fill station

Customers are encouraged to limit outside watering to the hours between 6:00pm and 10:00 Am.

### **Meter Replacement and Leak Detection:**

Skyline Mountain Special Service District has implemented radio read meter reading system. The meters are read monthly on the 28<sup>th</sup>. These meters are state of the art and can read: leak detection, Tamper codes, water use history and will be replaced as needed.

Leak detection is through the individual meters plus all sources are metered for water pumped and water used.

### **Education:**

Seasonal water conservation tips and current water irrigation requirements are posted on our website [SMSSDUTAH.com](http://SMSSDUTAH.com), also commutated on monthly billing as deemed needed. Skyline Mountain Special Service District has also setup an email-based emergency and information center so we can communicate with bulk emails when needed.

### **Improve Efficiency in Water Use:**

Skyline Mountain Special Service District shall offer a free water use reading by Hour, Day, Month or year to help customer see where and when they are using their water.

### **Identification of Alternatives to meet Future Water Needs:**

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- Alternatives to traditional landscaping such as Xeriscaping, drought-tolerant plants, etc.
- Purchase water rights as they become available within the capacity limits of the aquifer.
- Encourage low consumption water fixtures within new construction and re-models.
- With conservation in mind, evaluate water rates and usage patterns in a timely manner.

## Emergency Response:

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### Emergency Response Plan:

Skyline Mountain Special Service District has a plan in place and is updated yearly, if customers need a copy, they can find a copy on our website at [SMSSDUTAH.com](http://SMSSDUTAH.com)

### Drought:

- Monitor water usage on radio-read meters for high usage and educate customers.
- Reduce outside water use, by limiting time restriction.
- Keep customers informed on tank levels (if they get low) and any other system problems.

### Earthquake:

- Critical equipment and supplies shall be kept on-hand and in good condition and sufficient quantity for anticipated needs.
- A plan to quickly notify customers of the need to boil water or avoid the use of drinking water, should it become necessary.
- Investigate the possibility of joining in an agreement with neighboring systems to share water for potable demands.

## Monitoring Progress toward Goals

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### Water Management Goals:

- Check water services and fire hydrants for leakage. Repair as necessary.
- Meters will be routinely tested and replaced if needed.
- Patterns of water leaks will be tracked and replaced as budget allows.
- Skyline Mountain Special Service District shall evaluate and identify problems and possible improvements yearly.
- Utilizing leak detection on our meter, work with customers to get leaks repaired in a timely manner.



List of Skyline Mountain Special Service District Officers

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Craig Godwin, Chairman

Don Hunter, Vice Chairman

Gene Nielsen, Secretary / Clerk

Beca Mark, Board Member

David Weber, SMR Liaison

System:

Roy Fox, Water Superintendent / Secretary

Jeremy Fox, Certified Water Operator

The logo for Skyline Mountain Special Service District (SMSSD) features the acronym "SMSSD" in large, bold, light blue capital letters. Below it, the full name "SKYLINE SPECIAL SERVICE DISTRICT" is written in smaller, light blue capital letters. The logo is set against a light blue circular background that resembles a rising sun or a mountain peak.

**SMSSD**  
SKYLINE SPECIAL SERVICE DISTRICT

Certificate of Adoption

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I, Craig Godwin, hereby certify that the attached Water Management and Conservation Plan has been established and adopted by our board of directors of the Skyline Mountain Special Service District, on December 9<sup>th</sup>, 2021

Craig Godwin Chairman

Craig Godwin

12-9-2021.

Date

Gene Nielsen Secretary

Gene Nielsen

12-9-2020

Date



Company Seal

