

# ANNUAL REPORT 2019



CENTRAL UTAH WATER  
CONSERVANCY DISTRICT



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# *Message from the* **GENERAL MANAGER**



The year 2019 was a top-ten, water-supply year. The water supply was brilliantly managed with Jordanelle and Starvation reservoirs filling, and Strawberry Reservoir exceeding 1,000,000 acre-feet of long-term storage.

Our **treatment plants**, national flagships in water quality, admirably dealt with the aftermath of the 2018 watershed fires and other water-quality threats.

**The Olmsted Hydroelectric Power Plant** received multiple awards for design, construction, and safety elements.

The **Spanish Fork-Santaquin Pipeline**, part of the Utah Lake System, continued to progress in both design and construction.

**The North Fork Siphon Replacement Project** was featured on the front cover of Utah Design and Construction Magazine for its leading-edge construction methods.

**A major water right for the Central Utah Project** of 500,000 acre-feet was certificated.

Decades of work to recover the **endangered June sucker** were rewarded with a proposed downlisting.

The common thread among all these accomplishments is great staff and great trustees working together with multiple partners to sustain the current and future residents of Utah by delivering quality, clean, safe water.

Yes, it's been a great year, and my heartfelt thanks to all involved.



**Gene Shawcroft, P.E.**  
**General Manager/CEO**



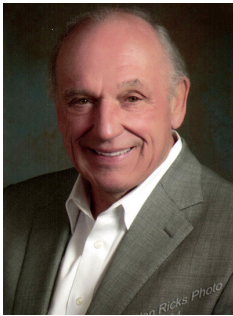
# BOARD of Trustees

## Sanpete

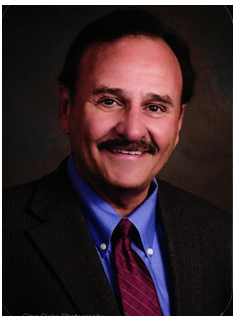


Edwin Sunderland

## Salt Lake



Jim Bradley



Max Burdick



Tom Dolan



Al Mansell



Aimee Newton

## Wasatch/Summit



Steve Farrell



Greg McPhie

## Duchesne



Shelley Brennan



Kirk Christensen



JR Bird



G Wayne Andersen



Nathan Ivie



Bill Lee

## Utah

## Uintah



Mike McKee



N Gawain Snow



Boyd Workman

## Juab



Byron Woodland



# WATER RIGHTS

As the **Bonneville Unit of the Central Utah Project** was formulated, it was recognized that a major water right would be required to sustain the storage and collection facilities associated with the Strawberry Aqueduct and Starvation collection systems located in Duchesne and Wasatch counties. The application for the water right, filed in the early 1960's by the United States, requested an annual supply of up to 500,000 acre-feet.

The water right application was approved, and with the completion of the Starvation Collection System in 1970, water first began to be diverted and stored. Construction of subsequent Strawberry Aqueduct and Collection System facilities further utilized the approved water right application.

With all collection systems on-line, 2019 provided the opportunity to complete the water right proof and to have the water right certificated. On May 15, 2019, Water Right No. 43-3822 was certificated for the full 500,000 acre-feet of water. This certificate **represents the largest certificated water right in the history of the State of Utah.**



# UTAH LAKE SYSTEM (ULS)

**The Spanish Fork Reach** is the first reach of the **ULS Spanish Fork-Santaquin Pipeline** (SFSP) to be constructed and was declared substantially complete in late 2018. At the time, water was not available for operational tests, which were scheduled and performed in the spring of 2019. The testing included delivery of a range of flows to the Spanish Fork City regulating reservoir, and drainage to the Spanish Fork River. Following this successful test, prolonged test deliveries to Spanish Fork City were made through the duration of the 2019 irrigation season. Pleased with the favorable operation, Spanish Fork City, through the South Utah Valley Municipal Water Association (SUVMWA), requested delivery of 500 acre-feet beginning in 2020. DOI and CUWCD are working to meet this request.

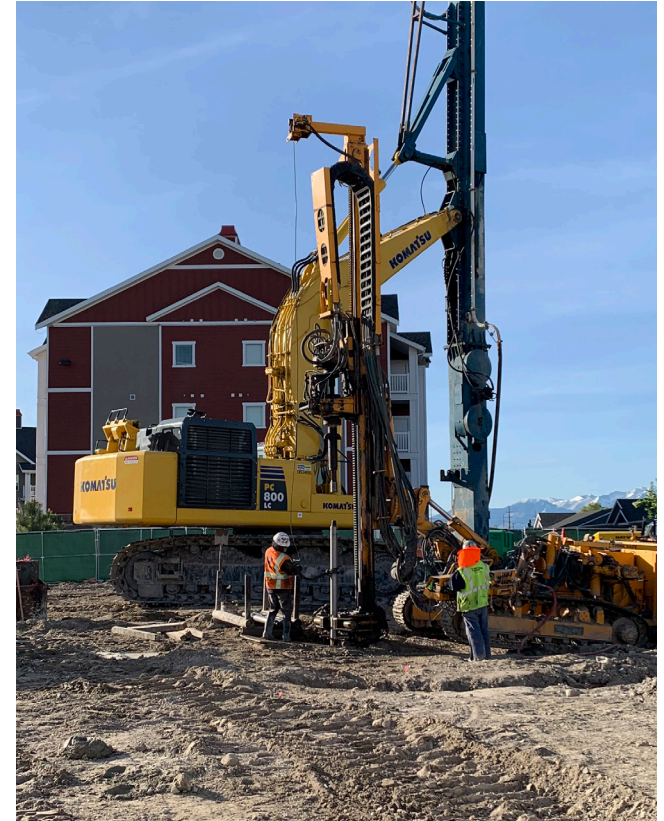






Other SFSP reaches are at various levels of design and construction. In fall of 2019, construction of the second reach of the SFSP, **South Fields Reach 1**, was declared substantially complete, and construction on **Salem Reach 2** was started. Concurrent with this construction, design and right of way acquisition for **Salem Reach 1** and the **Payson Spring Lake Reach** advanced to 60 and 90 percent, respectively. Further, NEPA for **South Fields Reach 2**, which investigated and cleared the possibility of constructing the pipeline across an agricultural parcel owned by Brigham Young University, was completed. CUPCA anticipates construction completion of Salem Reach 2 and beginning construction of the **Payson Spring Lake Reach** in 2020.





# CENTRAL WATER PROJECT

2019 brought the substantial completion of the **Vineyard Wellfield Collector Pipeline Project**. The project consists of a 3-mile pipeline ranging from 24-inch to 48-inch diameter pipe and ties into the North Shore Aqueduct. The pipeline's purpose is to collect water from the new CWP wells that are currently being drilled along the former Denver & Rio Grande Western Railroad alignment, adjacent to the west side of the former Geneva Steel property. The pipeline then conveys that water to the North Shore Aqueduct at 1600 N in Vineyard, Utah.

Some of the challenges faced during the project were working with narrow rights-of-way, the development of the properties adjacent to the pipeline corridor, and coordinating with the developers. The project was delivered under the **Construction Manager General Contractor (CMGC)** method, which brings the contractor onto the project team early in the design process for constructability reviews. This method proved very successful and worked well.



Drilling, well development, and test-pumping continued in 2019 on **Wells #8, #9 and #10** . Well development consists of surging and pumping the well in isolated zones until minimal sand production and low turbidity is achieved. Approximately 600 hours were spent per well in well development. Next, each well was test pumped for approximately 300 hours with the pumping rate being increased in a stepped manner while monitoring groundwater drawdown conditions in order to determine the ultimate capacity of the well. The \$7.6M contract with Hydro Resources for well drilling and development was completed in June 2019.

During the spring and early summer, CUWCD focused on soil stabilization work at each of the well sites, which had shown that they were prone to sink holes and ground settlement. Stabilization consisted of drilling 100-foot holes (up to 90 holes at each site) and injecting the holes with pressurized grout. The pumphouse designs were finalized in May 2019 and construction began under a \$8.4M **CMGC** construction contract with Whitaker Construction in July 2019.

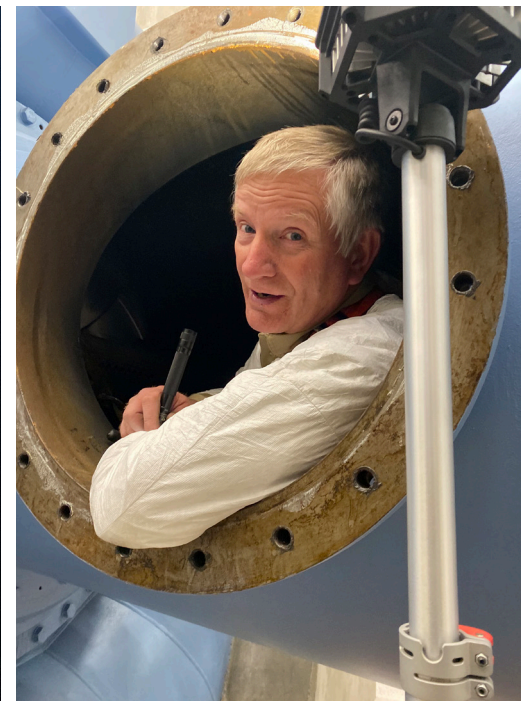
## **2019 Central Water Project Deliveries**

<b>Customer Agency</b>	<b>Water Deliveries (acre-feet)</b>	<b>Sources</b>	<b>Water Deliveries (acre-feet)</b>
Vineyard Town	487	CWP System Storage	27
Vineyard Town Non-CWP	0	CWP Well 11	1,310
PacifiCorp	1,524	CWP Well 12	1,532
Lehi City	1,742	CWP Well 13	2,408
Saratoga Springs	346	CWP Well 14	115
Eagle Mountain City	1,688	CWP Well 15	393
Alpine School District	20	DACRWTP	9,422
Jordan Valley Water Conservancy District	8,562		
Jordan Valley Water Conservancy District Non-CWP	0		
CWP Use	46		
Orem Non-CWP	263		
Utah Lake (Artesian Flow)	501		
Total CWP Contract Water	14,369		
Total Non-CWP Contract Water	263		
Total CWP Use	46		
Total Utah Lake (Artesian Flow)	501		
<b>Total CWP System Deliveries</b>	<b>15,179</b>		

# CWP



# CUP OPERATIONS



CUWCD operates, maintains, and manages the federally-owned **Central Utah Project (CUP)**. Staff manages the CUP water supply and operates both project and non-project facilities each year to divert, collect, store, and deliver more than 360,000 acre-feet of water to meet project purposes. In 2019, CUWCD began the NEPA process for necessary O&M work on the **Diamond Fork System** and to adjust minimum stream flow requirements to better support the restored Diamond Fork fishery. This work included modifying the valving structure at the Sixth Water Flow Control Structure and mitigating

or eliminating H<sub>2</sub>S gas at the **Diamond Fork Flow Control Structure**. The 2019 water year resulted in increased reservoir storage throughout the project. **Strawberry Reservoir** was required to make operational deliveries to prepare for the 2020 runoff season. That water was delivered through the **Diamond Fork System** to Utah Lake via the Provo River, which allowed that water to then be used to generate power at the Olmsted Hydroelectric Power Plant.

CUWCD also began working on a risk and resiliency study of the 90-inch

Alpine Aqueduct in planning for the rehabilitation of that facility. Additionally, work was initiated on the design for rehabilitation and seismic stabilization of the **historic Olmsted Power Plant**. Once it is stabilized, the historic plant will become a museum. In Heber Valley, canal reaches continued to be improved with concrete lining or enclosure, and regulating ponds are being enlarged. The **Humbug Pond Enlargement Project** was completed in 2019 and the **Timpanogos Pond Enlargement Project** will be completed in 2020.







**The Ashley Valley Water Treatment Plant** (AVWTP) delivered 3,968 acre-feet of drinking water while meeting all water quality and operational goals in 2019. Several capital replacement projects are planned or have been completed at the plant to help maintain plant performance and reliability well into the future.

**The Duchesne Valley Water Treatment Plant** (DVWTP) delivered 3,776 acre-feet of drinking water in 2019 while meeting all water quality and operational goals despite significant source water challenges. Starvation Reservoir experienced significant algae blooms in 2019, likely due to impacts from the Dollar Ridge Fire, that caused more severe filter-clogging events for the DVWTP. Through great effort, plant staff were able to supply high-quality drinking water to its customers despite the challenges. There are capital replacement and capital improvement projects in progress at the DVWTP to help ensure that the plant can overcome current and future challenges and continue to deliver high-quality drinking water to the residents of Duchesne County.

**The Don A Christiansen Regional Water Treatment Plant** (DACRWTP) delivered 25,201 acre-feet of drinking water in 2019 while meeting all operational goals and the stringent, water-quality goals of the Partnership for Safe Water Program. The DACRWTP continues to be recognized widely as one of the very best run plants in the nation.



# TREATMENT PLANTS





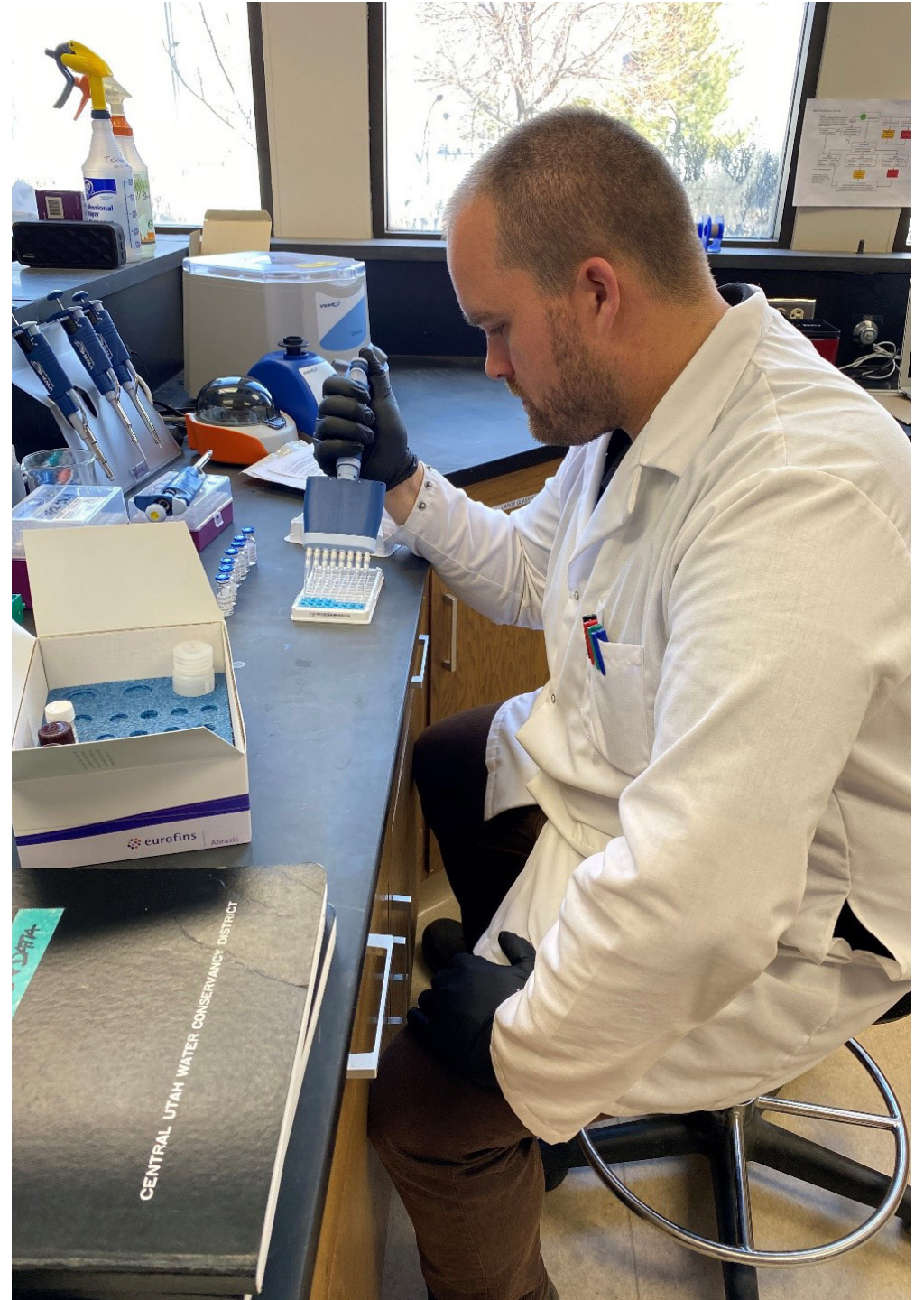


# WATER QUALITY



2019 was one of the worst algae years in recent history for **Starvation Reservoir**. The observed increase in algae is likely linked to the large amount of nutrients that were washed into the reservoir by the wildfire and floods in 2018. Diatoms, which are especially good at clogging filters, caused shorter filter runs at the **Duchesne Valley Water Treatment Plant** for much of the fall season. Higher-than-normal levels of cyanobacteria were also observed for an extended period in **Starvation**. The reservoir was under a recreational warning for cyanobacteria from August 30th until the end of October. Cyanobacteria can be a public health concern because of their ability to create cyanotoxins. District water quality and lab staff went to great effort to closely monitor levels of cyanobacteria and cyanotoxins in the reservoir throughout the event. Using advanced, water-quality instruments and cutting-edge, laboratory assays, it was determined that the cyanobacteria were not producing toxins, and thus there was no risk to public health.







# ENGINEERING & *Technical Services*

Several District projects began and were completed in 2019. Construction on the **Jordanelle Special Service District (JSSD) Pipeline Project** began in June 2019 and was completed in November. The project consisted of three pipelines: a sewer line, a culinary water line, and a raw water line. The sewer line allows for the connections of the existing JSSD pipeline above Jordanelle Dam to the new reclamation facility located on Old Highway 40 below the dam. The raw water pipeline will be used for snow-making at a new ski resort, and the culinary water line will carry drinking water from a future JSSD treatment plant into their existing distribution system.

A **Meter Vault Project** was completed in Orem that involved work on two vaults. The first is located at the **DACRWTP** and included both structural improvements and mechanical upgrades. The second vault is located on Alpine Aqueduct Reach 2, just north of the **DACRWTP**. The old vault was demolished and a new, larger vault was built that accommodates future maintenance needs. A new flow meter was installed to replace the old meter.







Another upcoming District project is the **Process Improvement Project (PIP)** at the **DVWTP**. The 2018 Dollar Ridge Fire burned 69,000 acres of the Strawberry River watershed. Thunderstorm-induced erosion and sediment-laden runoff from the burn scar have dramatically changed the water quality of Starvation Reservoir since late-August 2018. The direct filtration processes at the **DVWTP**, designed to treat high-quality source water, have been severely challenged for extended periods following runoff events. Degraded water quality conditions in Starvation Reservoir are expected to persist for the foreseeable future. The **PIP** design will add the processes necessary to convert the **DVWTP** from a direct filtration plant to a conventional treatment plant. The **PIP** will not only address treatment of the algae issue, but will address treatment of the degraded water quality in Starvation Reservoir post-fire. The design has been completed and project bidding will start in 2020 with an estimated completion of the project in 2021.



# NORTH FORK SIPHON





**The North Fork Siphon**, a CUP facility, is located in northeastern Utah, approximately 40 miles northwest of Duchesne. The existing pipe siphon is a component of the **Strawberry Aqueduct and Collection System (SACS)** that was constructed in the mid-1980's. The District provides untreated water from the **SACS** to District customers.

After multiple visual, sounding, and electromagnetic inspections performed by District staff, the U.S. Bureau of Reclamation, and three outside consultants, it was determined that the **North Fork Siphon** was near the end of its remaining useful life and required complete replacement.

A construction manager/general contractor (CMGC) project delivery method was employed that teamed the District (owner) with AECOM (design engineer) and Whitaker Construction (contractor) to accomplish the replacement. Project construction of the replacement, welded-steel pipeline, located parallel to the existing siphon, began in May 2018 and should reach substantial completion by November 2020.



# REPLACEMENT PROJECT



# HYDROPOWER



**The Olmsted Hydroelectric Power Plant** completed its one-year warranty inspection. This inspection consisted of tearing the turbines down, opening all the water passages, checking the valves and paint in each passage, and looking at the runners and wicket gates. The inspection also required our employees to rappel down the penstock of the plant. Interest in the new plant has continued as more than 1,500 people have participated in public tours.

As a result of a great water year, the **Power Plant** produced 35,200 MWh, which is more than the average anticipated when the plant was built.

In March 2019, **Jordanelle Hydroelectric Power Plant** underwent a scheduled, 2-day shutdown, coordinated with Heber Light & Power Company as a result of their need to do maintenance work. The District took full advantage of this time.

District staff safely removed all screens and covers from the generators, removed all high-voltage breakers from the switch gear, opened all cabinets and transformers, and completely cleaned the plant from top to bottom.

During these 2 days, a crew was commissioned to clean and test all high-

voltage circuit breakers and transformers. Another crew was brought in to test the battery system and chargers, and a third crew was commissioned to electrically test the generators to obtain a condition assessment of the windings. Many physical measurements were taken on the generators to obtain a condition assessment of the mechanical condition of the units. CUWCD personnel also performed draft tube and runner inspections on both units.





## Energy Generation Summary for 2019

Month	Jordanelle Generation Output Net Energy, MWh	Olmsted Generation Output Net Energy, MWh
January	1,703.40	712.94
February	1,590.82	730.85
March	1,660.01	1,268.58
April	2,006.92	1,770.25
May	5,332.35	7,545.26
June	8,941.13	7,139.55
July	8,311.62	3,286.63
August	5,226.08	3,268.78
September	3,805.53	3,802.10
October	2,210.00	3,567.40
November	1,925.61	146.47
December	2,000.74	1,960.72
Total	44,714.21	35,199.53



## Landscape Classes/ Workshops

**Classes Held:** 21

**Average Attendance:** 71

**Total attendance:** 1,470

**Topics included:** Water Efficient Landscape Design, Park Strip Conversion, and Proper Lawn Watering

## Kids' Classes

**Classes Held:** 10

**Average Attendance:** 91

**Total attendance:** 908

**Topics included:** The Water Cycle, Water Science, and How Kids Can Conserve Water

## Water Festival & Pumpkin Walk

**Attendance:** 470

**Attendance:** 1,326

**Messages Shared:** Facts about the DACRWTP and the Olmsted Hydroelectric Power Plant, Home Water Conservation, and Water-efficient Landscaping



# CONSERVATION EDUCATION





**2,021**  
people reached

**21**  
Conservation Outreach Events

**33**  
Landscape Plan Reviews

**Presentations in:**  
*Salt Lake  
Sanpete  
Utah &  
Wasatch Counties*





# EDUCATION OUTREACH

**21,522 People Reached!**



The cornerstone of the District's education program is its teacher training. Each quarter a new curriculum is taught at up to three locations within the District. The four curriculums cover kindergarten through high school. The education staff have focused on teacher training as a cost-effective way to deliver the District's message to future generations.

**Water and the Seed Standard (5th-9th grades)** – Focused on the complex nature of water delivery. This training allows teachers to understand the engineering it takes to deliver water to Utah's residents.

**Into the STREAM (K-2nd)** – By including reading and art, the younger ages are able to discover the scientific method using their five senses.

**Water and Weather (3rd-9th)** – Water drives many of the weather phenomenon that we see in our world every day.

**Chemistry Crash Course (5th-12th)** – Creating future drinking water technicians, this course allows teachers and students to have a hands-on experience using chemistry to provide clean, safe, drinking water.



# CONSERVATION PROGRAMS

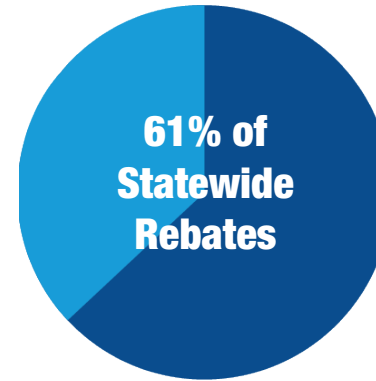
Central Utah Water worked with other districts and the state to provide statewide **rebates**, with CUWCD residents making up 61% of the program. Approximately \$185,000 was spent on **Sprinkler Controller Rebates**, and another \$35,000 on **toilet rebates**. Those programs equated to 3,100 homeowners saving money and water. CUWCD also rebated approximately \$400,000 in **commercial rebates**.

One project that had a big impact was with the University of Utah where CUWCD helped fund new smart controllers on campus. They saved 20-25% in their water usage which equates to 90 million gallons a year!

CUWCD also worked with Sandy City to help convert over 60 parks and open spaces to new **controllers**. Some of these converted parks saw as much as 50% water savings. Spanish Fork City also worked hard to install about 2,400 residential **controllers**. Seven homes equipped with **smart controllers** will provide enough water for one additional home.



**2,689 Smart  
Controller Rebates**



**238 Toilet Rebates**



**Saving over 90 Million Gallons a year through Smart Controllers-  
Enough to fill 136 olympic-size swimming pools!**



**Converted 60 parks in Sandy to  
Smart Controllers!**



**7 Homes with Smart Controllers in Spanish Fork**



**Water for 1 New Home!**



# JUNE SUCKER

## *Recovery Implementation Program*

2019 was a big year for the **June Sucker Recovery Implementation Program**. The Fish and Wildlife Service announced a proposed rule to downlist the June sucker from endangered to threatened, recognizing the ongoing efforts and progress made by the **JSRIP**. Utah Lake was stocked with 31,042 **June sucker** to continue supplementing the population.

The District continued their efforts with **JSRIP** partners to minimize the effects of invasive fish on June sucker recovery. The Utah Lake carp removal project has continued with over 29 million pounds removed since 2010. Research on impacts from illegally introduced Northern pike have also continued.

Another upcoming project is the implementation of the **Provo River Delta Restoration Project**. CUWCD worked closely with the lead agency, the Utah Reclamation Mitigation and Conservation Commission, and other partner agencies to finish the project design with the goal to begin construction in 2020.

District staff continued efforts to support **June sucker** recovery in the Provo River and Hobble Creek by supplementing instream flows to support necessary spawning and rearing habitat.







The environmental team provided support for District efforts from one end of the District to the other.

The Starvation Warren Act **Environmental Assessment (EA)** was completed with a Final EA and Finding of No Significant Impact (FONSI). With the completion of this **National Environmental Policy Act (NEPA)** document, and when Warren Act contracts are signed, water contract holders in the Duchesne area will be able to better manage their water resources to meet their customers' needs.



The **EA** for South Fields Reach 2 was finalized. South Fields Reach 2 is a reach of the Spanish Fork-Santaquin Pipeline, a branch of the Utah Lake Drainage Basin Water Delivery System (ULS), that will carry water to residents in south Utah County from Strawberry Reservoir. South Fields Reach 2 is located in unincorporated Utah County between Spanish Fork City and Salem City.

The **flow study** to determine the most beneficial flow regime for Sixth Water and Diamond Fork creeks was completed by

Utah State University in spring 2019. With the completion of the study, the District, the Utah Reclamation Mitigation and Conservation Commission, and the U.S. Department of the Interior CUPCA Office, as Joint Lead Agencies, began the preliminary stages of the **NEPA** process to analyze the impacts of modifications to the flow regime. Possible measures to protect the Upper Diamond Fork facility from the effects of nearby hydrogen sulfide springs will also be analyzed.

# ENVIRONMENTAL



Snowpack conditions in 2019 resulted in the total water-year precipitation being double that of 2018, the worst year on record. The runoff led to Strawberry Reservoir exceeding 1,000,000 acre-feet of long-term storage, Utah Lake reaching within 8 inches of Compromise Elevation, and all other District-operated and District-affiliated reservoirs filling.

## **Snotel Site:** **Percent of Peak Normal Value<sup>1</sup>**

### **Provo River/ Utah Lake/Jordan River**

Trial Lake (9,992 FT)	153%
Snowbird (9,640 FT)	134%
Clear Creek #1 (8,908 FT)	137%
Beaver Divide (8,280 FT)	170%
Lookout Peak (8,200 FT)	144%
Timpanogos Divide (8,140 FT)	156%

### **Sevier River**

Box Creek (9,828 FT)	No values, damaged by fire
Pickle Keg (9,600 FT)	161%
Mammoth-Cottonwood (8,727 FT)	154%
Seeley Creek (9,910 FT)	157%

### **Duchesne River**

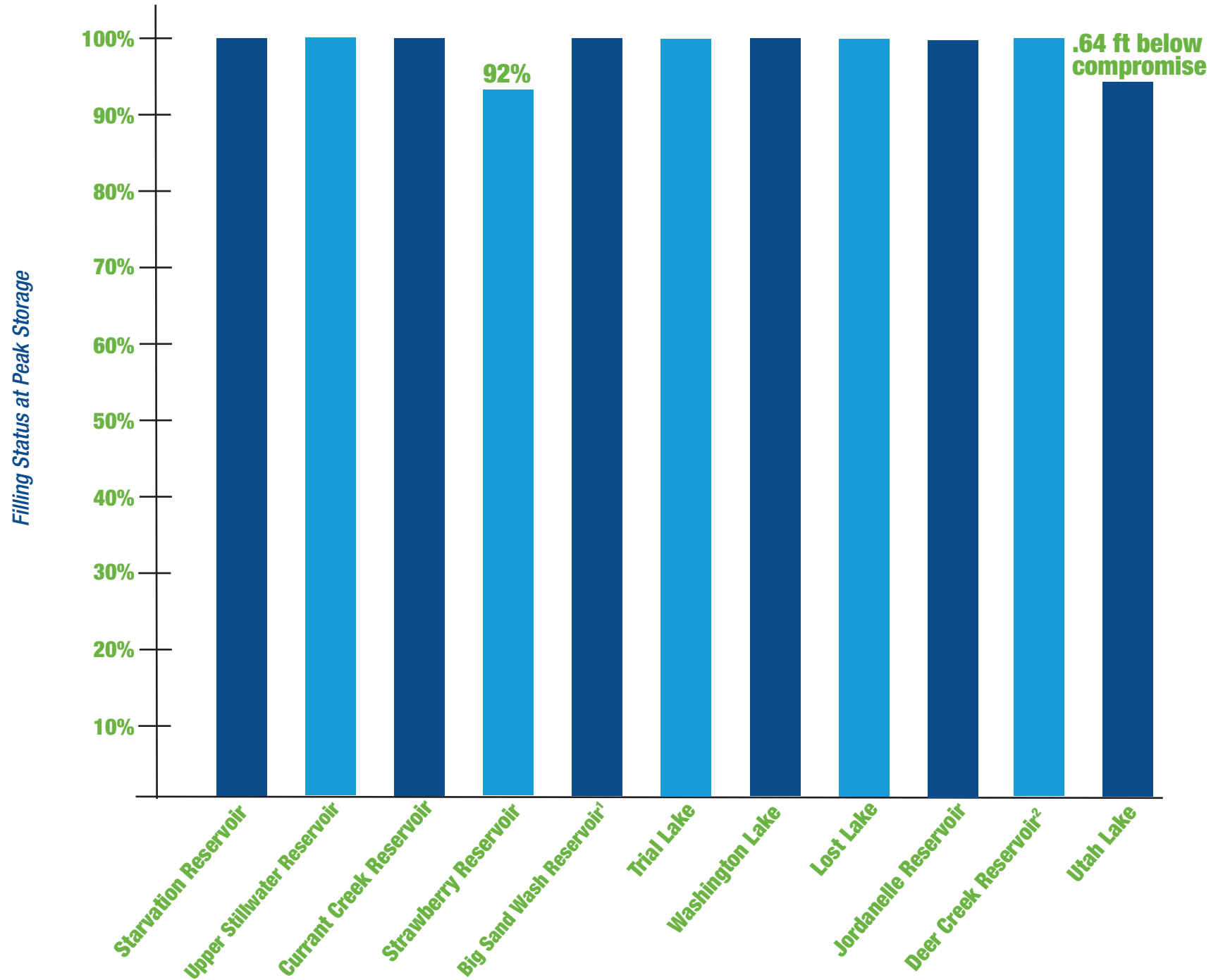
Lakefork Basin (10,966 FT)	135%
Brown Duck (10,600 FT)	151%
Chepeta (10,592 FT)	120%
Strawberry Divide (8,123 FT)	151%
Indian Canyon (9,175 FT)	143%
Daniels-Strawberry (8,037 FT)	162%

### **Green River**

Trout Creek (9,518 FT)	126%
King's Cabin (8,724 FT)	129%

<sup>1</sup>This value represents the peak annual snowpack amount in percent of the peak 30-year median snowpack value for each respective Snotel site.





<sup>1</sup>Moon Lake Water Users Association Facility

<sup>2</sup>Provo River Water Users Association Facility

# RESERVOIR STATUS



## Starvation Reservoir

	Acre-Feet
<u>CUP Project Water (M&amp;I)</u>	
Uinta Basin Exchange Contracts	89
Duchesne City	27
East Duchesne Culinary Water Improvement District	10
Duchesne County Upper Country Water Improvement District	3
Johnson Water Improvement District	24
Camperworld	5
DOI Water Management Improvement Program (Section 207)	2,900
DOI Water Management Improvement Program (Rediverted "44,400")	0

### Non-Project Water (M&I)

Duchesne City	568
Johnson Water Improvement District	503
Myton City	165
Duchesne County Water Conservancy District	2,059
East Duchesne Culinary Water Improvement District	716

### CUP Project Water (Irrigation)

Block Notice No. 1	0
Duchesne County Water Conservancy District (Block Notice 1B)	0
Midview Exchange	0

### CUP Project Water (Replacement)

Replacement Water for Project Operations	4,622
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All values are in acre-feet.

<sup>1</sup>Big Sand Wash Reservoir is operated by Moon Lake Water Users Association

<sup>2</sup>Deer Creek Reservoir is a Provo River Project facility operated by Provo River Water Users Association

## Big Sand Wash Reservoir<sup>1</sup>

	Acre-Feet
<u>CUP Project Water (M&amp;I)</u>	
Duchesne County Water Conservancy District (Notice of Water Availability UBRP2)	1,430
DOI Water Management Improvement Program (Section 207)	1,173
<u>CUP Project Water (Irrigation)</u>	
Duchesne County Water Conservancy District (Block Notice UBRP1)	2,288

## Deer Creek Reservoir<sup>2</sup>

### Non-Project Water (M&I)

Wasatch, Summit, and Utah Counties Exchange Contracts	99
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## Upper Provo Lakes (Trial, Washington, Lost)

### CUP Project Water (Irrigation)

Summit County Irrigation Companies	186
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### Non-Project Water (Irrigation)

Washington Irrigation Company	782
Deer Creek Reservoir Exchanges	0
Exchange 400	51

## Wasatch County Water Efficiency Project

CUP Project Water (M&I)	546
CUP Project Water (Irrigation)	1,345
Non-Project Water (Irrigation)	15,920
Daniels Replacement Project	1,797



# WATER DELIVERIES



**Jordanelle Reservoir - Olmsted/Alpine System**

	Acre-Feet
<u>CUP Project Water (M&amp;I)</u>	
Jordan Valley Water Conservancy District	29,686
Metropolitan Water District of Salt Lake & Sandy	20,000
Metropolitan Water District of Orem	6,165
Lehi City	768
IM Flash Technologies	550
Cedar Hills	712
Lindon City	664
Highland City	266
American Fork City	663
Pleasant Grove City	620
Vineyard Town	35
DOI Water Management Improvement Program (Section 207)	7,344
<u>Non-Project Water (M&amp;I)</u>	
Jordan Valley Water Conservancy District	14,870
Jordan Valley Water Conservancy District (Transfer)	5,698
Metropolitan Water District of Salt Lake & Sandy	0
Metropolitan Water District of Salt Lake & Sandy (Transfer)	4,350
Metropolitan Water District of Orem	8,308
Provo City	1,710
CUWCD - CWP	8,297
<u>Non-Project Water</u>	
Upper Provo Lakes (Exchanges)	0

Acre-Feet

Power

Olmsted Hydroelectric Power Plant	110,684
Jordanelle Hydroelectric Power Plant	194,934

Non-Project Water (Secondary Irrigation Systems)

Lehi City (Temporary)	0
Lehi City	586
Lindon City	335
Highland City	23
Pleasant Grove City	2,034

**Strawberry Reservoir**

<u>CUP Project Water (M&amp;I)</u>	
Uinta Basin Exchange Contracts	1
<u>CUP Project Water (Irrigation)</u>	
South Utah County (Temporary Contracts)	14,052
Upper Strawberry Flows (DRP)	2,900
<u>CUP Project Water (Utah Lake/Other)</u>	
Exchange Water to Utah Lake	40,104
Other Trans-Mountain Diversions	820
<u>CUP Project Water (Instream Flows)</u>	
2017 Carry-Over Releases	0
2018 Carry-Over Releases	27,701
2019 Allocation Releases	16,385
Dedication Storage Releases	0
<u>Non-Project Water (Irrigation)</u>	
Strawberry Water Users Association	32,566

Acre-Feet





## **The Olmsted Hydroelectric Power Plant Replacement Project** received several awards in 2019:

**Engineering News Record (ENR)** has named the **Olmsted Hydroelectric Power Plant Replacement Project** the Intermountain Project of the Year as part of its annual awards program dedicated to honoring the best construction projects in the United States.

**The Olmsted project** also was recognized as the Best Energy/Industrial Project in the Intermountain Region and received the Excellence in Safety Award.

The **Hydroelectric Power Plant** was named Project of the Year in the Building/Industrial category by the **Associated General Contractors of Utah**.

**Utah Masonry Council** also gave an Excellence in Masonry Design Award to the project.

**American Council of Engineering Companies of Utah** gave the project the Grand Award Energy.

We are grateful to all those involved who made these awards a reality and for those who dedicated themselves to the success of the project.







**Dave Pitcher**, an Assistant General Manager at CUWCD, also received two personal awards in 2019.

The American Water Resources Association (AWRA) -Utah Section- awarded Dave with the **Outstanding Service Public Sector Award**. This award recognizes individuals that have demonstrated outstanding work and commitment to water resources and that have contributed greatly in managing Utah's precious water resources.

American Water Works Association (AWWA) -Intermountain Section- presented Dave with the **Charles W Wilson Award**, an award that recognizes an individual AWWA member's special, distinguished service to the AWWA Intermountain Section, the water works industry, and to the community in leadership, mentoring, contribution and vision.

# RECOGNITION



# RETIREMENTS

## & Service Awards



### JoAnne Dubois

JoAnne Dubois retired in 2019 after seven years of working at the District. She worked diligently as the Assistant to the General Manager for 5 years. She and her husband, Mike, are enjoying some long-awaited family and travel time. We are grateful for JoAnne's contribution to the District and wish her well as she embarks on the next chapter of her life.

### 2019 Service Awards

#### 30 Year

Dave Pitcher

#### 25 Year

Cort Lambson  
Linda Ivie

#### 20 Year

Mark Breitenbach  
Christine Finlinson  
Carolyn Quigley  
Brad Grammer

#### 15 Year

Jared Hansen  
Joe Huish  
Paul Shelton

#### 10 Year

Jason Hoyt  
Mike Rau  
Brig Thomas

#### 5 Year

LaJean Broberg  
Russ Franklin  
Tyler Harvey  
Kadin Losee  
Lisa Merrill  
Paulette Webster  
Lane Lisonbee



## Lee Wimmer

January 12, 1945 - November 26, 2019

Lee Wimmer received Civil Engineering degrees from BYU and USC. He began his career working for Los Angeles Water and Power and then joined his father-in-law, Gilbert Horrocks, to lay the foundation of what Horrocks Engineers is today. Lee was a principal at Horrocks from 1971 to 1994 and served as City or District Engineer for many of Horrocks clients. Lee retired from Horrocks and joined the Central Utah Water Conservancy District as an Assistant General Manager and Program and Construction Manager for the Central Utah Project Completion Act (CUPCA) overseeing the largest water supply project in the State of Utah. Lee managed the construction of major components of the Bonneville Unit of the Central Utah Project, which delivers water to the Wasatch Front and the Uinta Basin.

Along with his many construction contributions to the profession, Lee served on numerous boards overseeing operations of water facilities and treatment plants. Lee was one of the founding members of the BYU Civil Engineering Scholarship Society and served as one of the first seven Board of Directors. Thousands of students have received financial assistance from this program. Lee also volunteered his time and talents to guest-teach ethics courses at BYU for engineering students.

Lee loved hunting and fishing, and made many trips to Alaska. He and his wife Connie have 3 children. They were married for 51 years and spent 40 of those years in Pleasant Grove. Connie passed away five weeks after Lee's passing. Lee's talents as a skilled engineer and construction manager will bless Utah for many generations to come. Thank you for your dedication to the water industry Lee!



# IN MEMORY





**CENTRAL UTAH WATER**  
CONSERVANCY DISTRICT

**Mission**

To responsibly plan for the future by developing, delivering, and efficiently using our limited water resources.

**Vision**

To provide a safe and secure water supply, to empower and challenge employees, and to be a leader in the water industry.

**Values**

We value safety, integrity, quality, and people.