



Board of Directors

Tom Godfrey Christopher R. Tschirki Vice-President

Laura Briefer **Patricia Comarell** Jeffrey J. Bryant Joan Degiorgio Michael J. DeVries **Bart Forsyth**

President

Art Hunter **Dan Johnson** John Kirkham Donald Y. Milne Tom Ward

Employees

Scott Brockbank Jeffrey D. Budge Steven H. Cain G. Keith Denos Kerry Durrant David Faux Roger Ford Jerry Fox Jeremy Gruber

Troy Heap Charlene Lenkart Shawna Orlando Travis Pool Jeffrey Purser Mark Rawle TJ Shepherd Casey Snyder John Whiting



The Association delivers Provo River Project water in a safe, efficient, and economical manner for the benefit of its shareholders and those they serve.

With integrity, the Association preserves and protects the quality of its resources through knowledgeable, dedicated, and innovative employees.

Provo River Water Users Association is a private non-profit corporation organized in 1935 for the purpose of sponsoring the Deer Creek Division of the Provo River Project, a US Bureau of Reclamation water project. The Project extends over five counties and diverts water from three river basins. Deer Creek Dam and Reservoir, with a capacity of over 153,000 acre-feet, is the primary Project feature. Other main features of the Project include the Duchesne Tunnel, the Weber-Provo Diversion and Canal, and the Provo River Aqueduct. The Association also operates and maintains many miles of river dikes as well as numerous diversions, checks, flumes and turnout structures as part of the Project.

The Project supplies a significant portion of the drinking water supply for approximately one million people along the Wasatch Front in north-central Utah. Project water is also used for supplemental irrigation of over 53,000 acres of agricultural land in Summit, Wasatch, Utah and Salt Lake Counties.

The Association is governed by an eleven-member Board of Directors, elected by its shareholders. Association shareholders include metropolitan water districts, irrigation companies, mutual water companies, two municipalities and a conservation district.



Shareholders

Metropolitan Water District of American Fork

Bar X Mutual Water Company

Beaver & Shingle Creek Irrigation Company

Diamond Bar X Ranch, Inc.

Dixon Irrigation Company

Highland Conservation District

Lehi City Corporation

Lindon City

Metropolitan Water District of Salt Lake & Sandy

M.S.H. Corporation

Nobletts Creek Mutual Water Company & Diamond Bar X Ranch, Inc.

Metropolitan Water District of Orem

Pleasant Grove Irrigation Company

Metropolitan Water District of Pleasant Grove

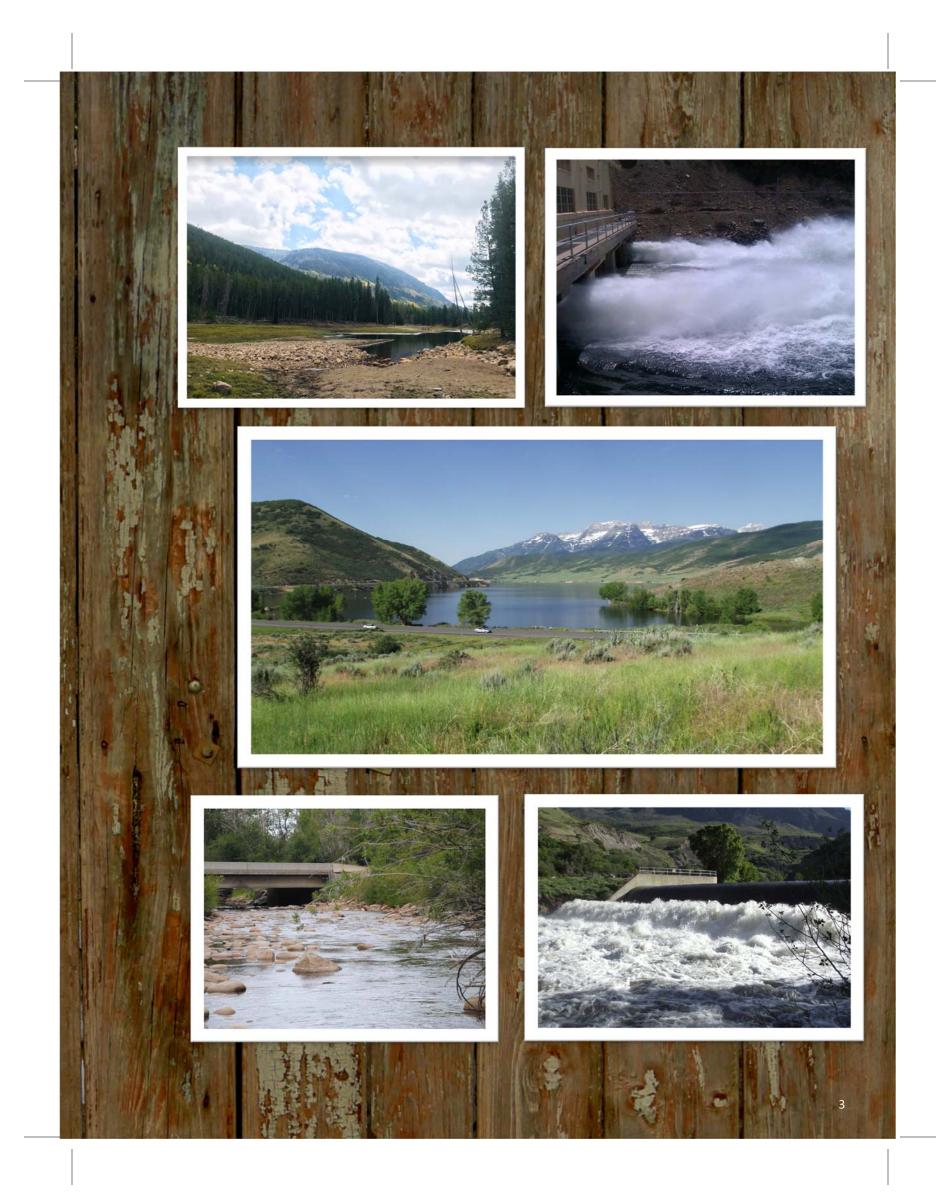
Provo Bench Canal and Irrigation Company

Metropolitan Water District of Provo City

Provo Reservoir Water Users Company

South Kamas Irrigation Company

Washington Irrigation Company



General Manager's Message

When I was a young man, I carried with me a small wire-bound notebook in which I kept an ongoing list entitled "Influential People". This list contained names of friends, teachers, coaches, bosses, co-workers and even friends' parents who had influenced me in some way. As I matured and my scope of acquaintances broadened, more and more names were added to the list. I kept the list faithfully for years and then apparently misplaced it during a move. I found the notebook many years later and pondered who I had missed adding in the years it was lost. I couldn't recall all the names that should have been on the list.

At the time I found my notebook, I thought it was pointless for me to continue the exercise I had started when I was young. After all, years had passed, and I had missed adding a lot of influential names. My cynicism won out and I didn't continue adding names. I sincerely regret that short-sighted decision. How many hundreds more names would be on my list now?

I subscribe to the quote attributed to "Dilbert" comic strip creator Scott Adams: "...the most influential people in my life are probably not even aware of the things they've taught me." I have been richly blessed in my personal and professional life to be influenced by profound thinkers, hard workers, visionaries and men and women of integrity. I've worked for some of these influential people, and some have worked



for me. Many influential people have touched my life through the Association. They've been my co-workers, Board members, colleagues, and associates.

I've had 44 co-workers during my 25 years with the Association, not including temporary, part-time and contract workers. I've also had the privilege of serving with 34 of the 87 members of the Board of Directors over the Association's 84 years of existence. I can truthfully say that I've learned from every employee and every Director with whom I've worked. I'd like to highlight just a few of these influences.

Sherwin Allred was a quiet man of integrity that I'm grateful I had the privilege of knowing. A theme that stands out among my many memories of Sherwin is his concern for Association employees. He knew the importance of the workers on the front lines and he wanted to make certain they were treated fairly. He was always a champion of the little guy. Sherwin served on the Board for just over 14 years.

Mel Knapton was another hero of mine from the Board of Directors. Mel's tenure on the Board was the second-longest among all Directors in the Association's history, with almost 34 years of service before his retirement from the Board in 2002. Mel's knowledge of accounting and accounting principles was legendary, and he shared that knowledge freely as the long-time chair of the Finance Committee. I learned a lot of the "what" of accounting under Mel's tutelage but more importantly, I learned a lot of the "why."

When I think of Harold Ford, the long-time Chief Operator at Deer Creek Power Plant, the word "steady" comes to mind. Never too high, never too low; he was always calm regardless of the situation. Harold retired after 39 years with the Association and sadly passed away just 18 months later. I loved and respected Harold more than he ever knew.

Merril Bingham would never miss an opportunity to tell a story about his exploits in golf, fishing, woodworking or his latest public works project. His confidence in himself and his broad success professionally and personally was due to preparation and effort. I looked up to Merril because of this, as well as his humor, his ability to relate with everyone and his sense of fairness. Merril served almost 25 years as a Director on the Board.

It is with sadness that I note the passing in 2019 of one of the members of the Association family and a long-time influence on me – retired maintenance technician

Farrell Hatfield. Farrell retired in April 2017 after 37 years with the Association and passed away in July 2019 due to heart complications. Farrell had a tough guy exterior but was really a kind-hearted soul who would do anything for anyone. He was an example of giving with no thought of "what's in it for me?" The Association lost an icon in 2019, but many people lost a great friend.

I could continue to list the impact on me from everyone I've worked with over the years, including current Directors and staff who are among my greatest influences. As the author Charles Stanley said: "There's no way to know how many people your life will influence. You never know who is watching, listening or learning from you."

I unfortunately stopped adding to my paper list long ago. Nevertheless, my list of Influential People continues to grow. I'm watching, listening and learning, even though they may be unaware I'm being taught.

-G. Keith Denos, P.E.





Chris Tschirki, Don Milne, Laura Briefer, Mike DeVries, Bart Forsyth Pat Comarell, Dan Johnson, John Kirkham, Joan Degiorgio, Tom Ward

Directors



Art Hunter served on the Board of Directors from February 2015 through January 2019. As a member of the Finance Committee his extensive experience in accounting and finance gained from his 41 years as Sandy City's Director of Finance proved invaluable.



Jeff Bryant retired from the Board of Directors in February 2019 after eight years of service. He was a member of the Engineering Committee during his entire tenure. Jeff worked for Jordan Valley Conservancy District for 35 years and served on numerous water boards and committees.

The Association welcomed John Kirkham, Pat Comarell and Bart Forsyth to the Board of Directors in February 2019. A retired natural resources attorney, Mr. Kirkham previously served on the Board from 2011 to 2014. Ms. Comarell is retired after a career in public planning for Ogden City and Salt Lake City and previously served on the Board from 2014 to 2016. Mr. Forsyth was recently appointed General Manager of Jordan Valley Water Conservancy District and has been employed by the district for 34 years.

Board of Directors Project Tour

In August 2019, the Association Board of Directors and guests toured Deer Creek Dam and Power Plant for the annual Project tour. Ongoing and recently completed rehabilitation projects such as the penstock tunnel lighting project, the hydraulic piping replacement project, and the tube valve replacement project were discussed and viewed. The ongoing Deer Creek Intake Study and the upcoming Deer Creek Intake Project were also discussed.

In addition to the annual Project tour, Association staff provides tours of Project facilities for new Board members, shareholders and others. In May and June 2019, special tours to the Duchesne Tunnel diversion were conducted for Board members and their associates. These tours promote better understanding of Project facilities and operations and allow Directors and others to experience some of the remote areas of the Project.

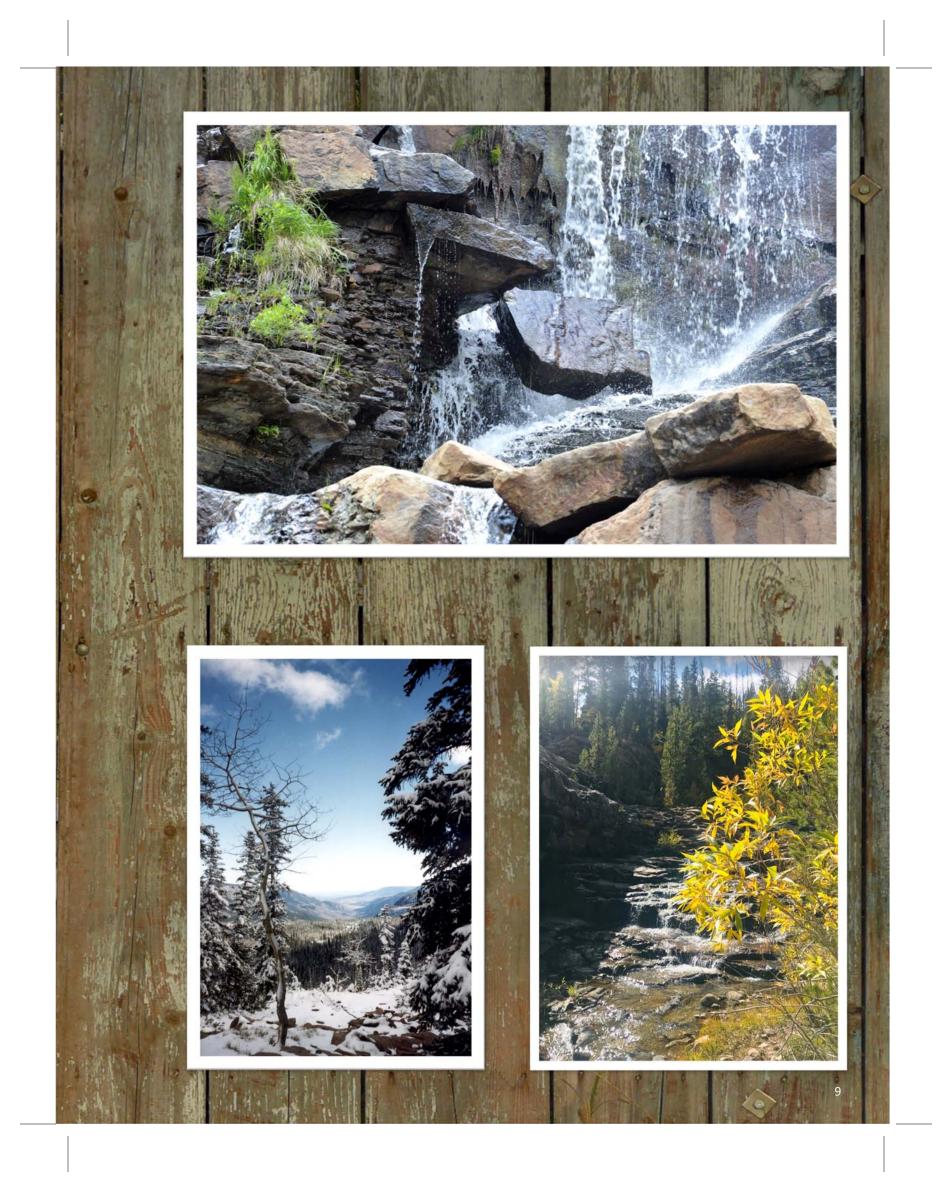
Staff

Former Maintenance Supervisor Kerry Durrant retired in 2019 after 30 years with the Association. Kerry began his employment in 1989 as a maintenance technician and was appointed leadman in 2000. He excelled in planning the workflow and exhibited a high level of care for Project facilities in his tenure.

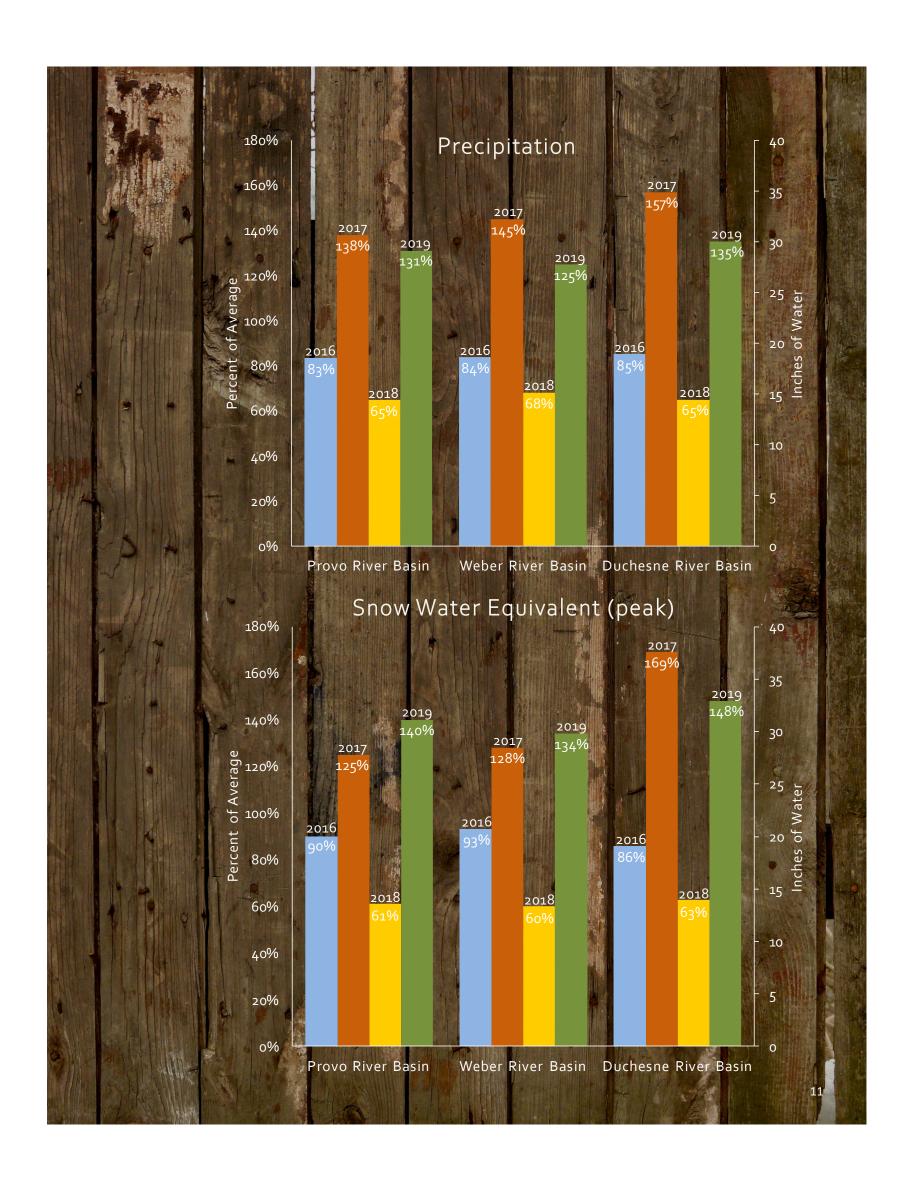
Former Office Administrator Charlene Lenkart left Association full-time work in 2016 and assisted with special projects and document retention efforts on a part-time basis through 2019. Charlene's spreadsheet and organizational skills contributed greatly to the success of the Provo Reservoir Canal Enclosure Project and other endeavors for the Association. She currently practices as a licensed mental health therapist.

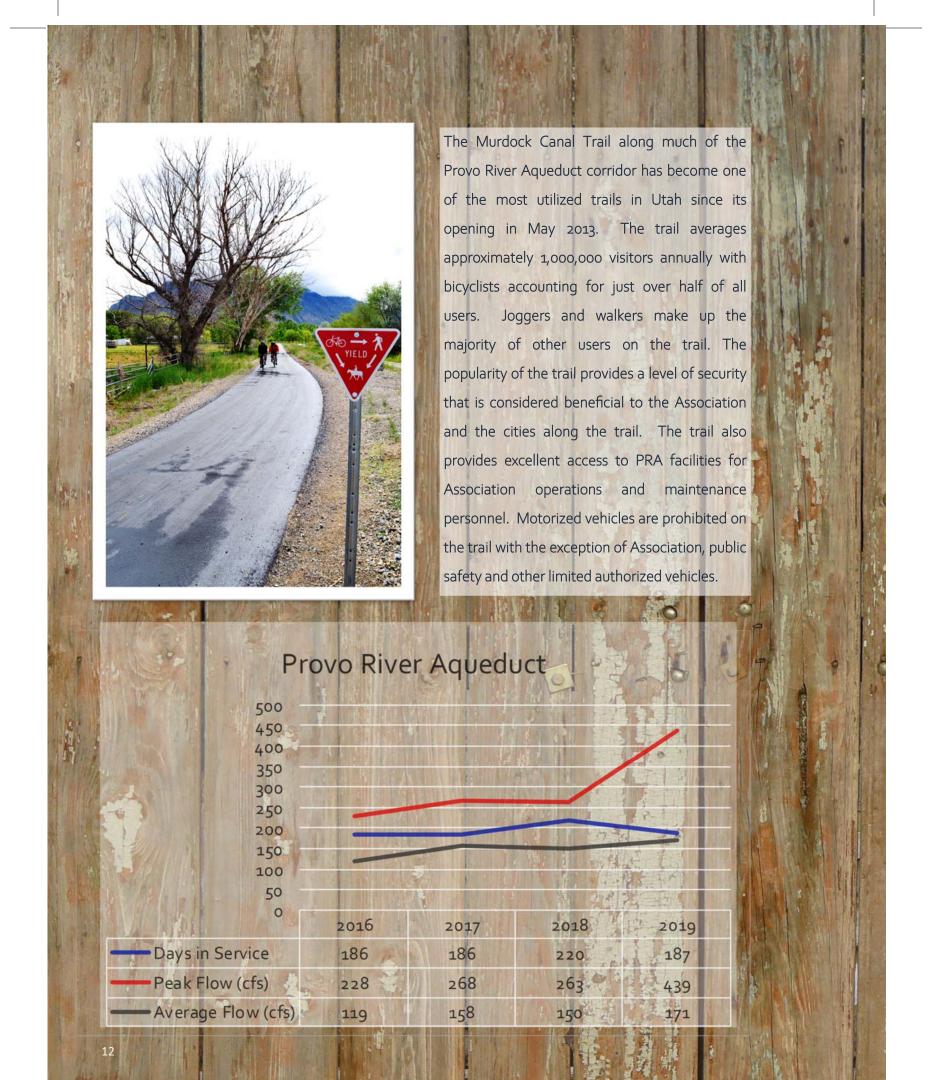
In 2019 the Association welcomed new hires Jeremy Gruber as operations technician and PRA watermaster and TJ Shepherd as a maintenance technician. Jeremy has a degree in English and has been a middle school teacher, among other vocations. TJ brings experience with heavy equipment operation and maintenance as well as project planning. Both have been great additions to the Association.













Deer Creek Dam & Power Plant Outlet Works Intake Project

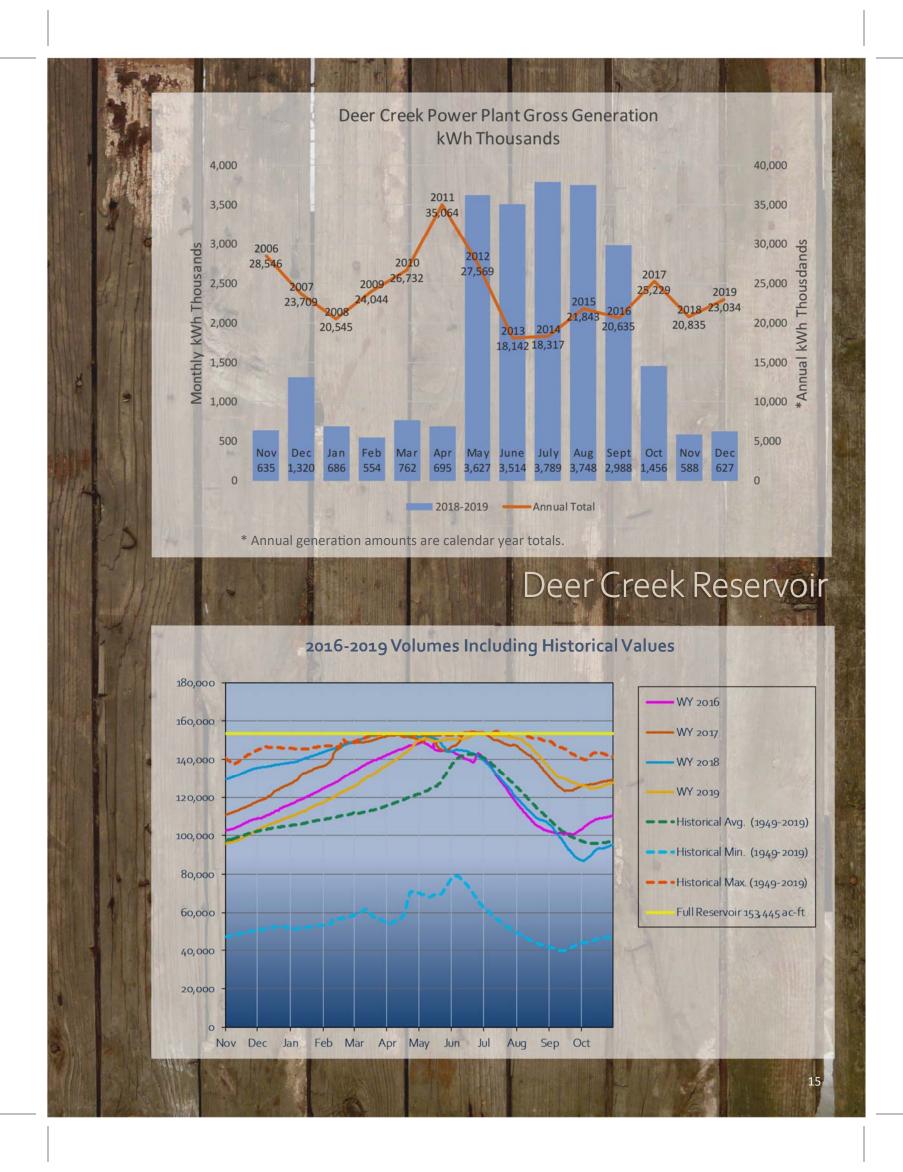
The intake structure, tunnel and guard gates that supply the Deer Creek Power Plant penstocks and outlet works are original features of Deer Creek Dam, placed in service in 1941. These critical features are almost 80 years old and have exceeded their original design life. This aging infrastructure, combined with the threat of a possible Quagga mussel infestation, prompted the Association's Board of Directors and staff to evaluate the need for refurbishment or replacement of these features. A study completed in 2018 by the engineering team of Bowen Collins & Associates and HDR recommended replacement of the intake structure and refurbishment or replacement of the guard gates. In November 2019, the Association selected the design engineering team of AE2S and Black & Veatch to conduct preliminary studies and provide engineering design services for this project. Preliminary studies and geotechnical investigations are planned throughout 2020, with NEPA and final engineering design scheduled for 2021 and construction anticipated to begin in 2022. The estimated cost for the Intake Project is approximately \$40,000,000. The Association will pursue financing through a combination of low-interest federal and state loan programs to fund the majority of the project.

Tube Valve Replacement Project

The original 52-inch tube valves at the outlet of the Deer Creek Power Plant were put into service in the 1940's. Each valve is required to pass up to 750 cfs for a combined flow of 1,500 cfs. Prior to the construction of the power plant, these valves served as the primary control valves to release water below the dam into the Provo River. Since their installation both valves have been refurbished but have now reached their life expectancy.

The Deer Creek Tube Valve Replacement Project will replace the original valves with 54-inch plunger valves. Replacing the original valves will require the removal of the existing 52-inch valves, modification of the existing valve vaults to accommodate the new 54-inch plunger valves, installation of new electrical lines and SCADA programming.

The valves will be replaced in successive winter construction periods in 2019-2020 and 2020-2021 with project completion anticipated by January 2021.



Maintenance

Throughout each year maintenance personnel perform a wide range of tasks from typical preventative maintenance activities to the support of water delivery operations. This can include inspection and commissioning of Provo River Project facilities prior to runoff. The annual maintenance of high-elevation facilities occurs in the summer. As the water delivery season winds down, maintenance activities focus on preparing the Project for the oncoming winter.

As the Association undertakes capital improvement projects, maintenance personnel contribute expertise to help defray the overall cost of these projects or help construct the interfaces between the old facility and the new improvement. Maintenance personnel and resources were critical in the success of the Weber-Provo Diversion Metering Project and the Speed Creek Diversion Modification Project.

In October 2019, maintenance personnel replaced the deteriorating floor of the Weber-Provo Canal Francis spillway. The project required 70 cubic yards of high-strength concrete with several thousand pounds of reinforcing. The entire pour was completed in a single monolithic placement.



Weber-Provo Diversion Metering Project

Accurate low flow measurement at the Weber-Provo Diversion is crucial to the operation of the Weber River and the three Reclamation projects that divert water from the river. Improving low flow measurement at this critical location is a high priority for Reclamation, the State of Utah and water users on both the Weber and Provo Rivers.

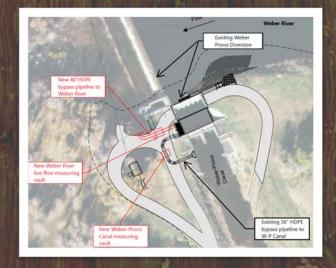
Historically, all Weber River water passing the Weber-Provo Diversion down river was measured either by a 150-foot-long Ogee weir structure across the river or by orifice calculations through the radial bypass gate. Flows through this bypass gate and over the weir were at best reasonable approximations of the actual low flows.

The Weber-Provo Metering Project installed a 48-inch bypass pipeline and metering vault from the Weber-Provo Diversion forebay to the Weber River. Another metering vault was installed in the existing 36-inch bypass pipeline from the Weber-Provo Diversion forebay to the Weber-Provo Canal.

With the Weber-Provo Metering Project in place, the Weber River Commissioner will be able to immediately and accurately adjust flows as needed to ensure the proper distribution of water both into the canal and to the downstream water right holders on the Weber River.











Speed Creek

Speed Creek is the local vernacular for the Washington and South Kamas Irrigation Companies canal that diverts water from the upper Provo River in Woodland, Utah. The Speed Creek Diversion was rebuilt as part of the Provo River Channel Revision Project in the 1960's, but in recent years operation of the diversion gate has become increasingly difficult and unsafe.

Rehabilitation of the diversion in fall 2019 consisted of removing and replacing sections of the concrete walls and floor, refurbishing and installing a wedge gate, and construction of an access bridge and handrail. The new wedge gate is fully automated and allows for safe operation of the diversion.



Safety & Security

The Association's emphasis on safety continued through 2019 with no reportable accidents or injuries during the year. As a result of this and previous good safety years, the Association's worker's compensation insurance experience modifier fell to 0.69 by the end of 2019, resulting in a significant reduction in worker's compensation insurance rates.

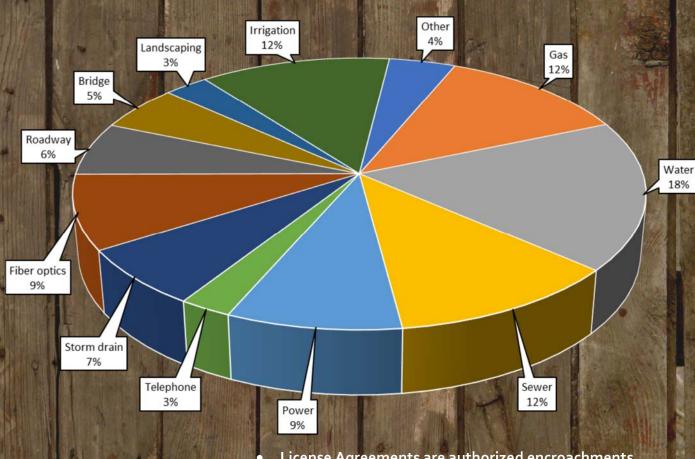
In September, the Association participated in a large-scale exercise of the Emergency Action Plan (EAP) for Deer Creek Dam and Reservoir. This exercise was held in cooperation with Reclamation, the State of Utah, county jurisdictions, several cities and towns along the Provo River and other water providers. The procedures in the EAP, as well as various methods of communication in case of an emergency, were functionally tested. Everyone who participated found the exercise productive and helpful.

Lands

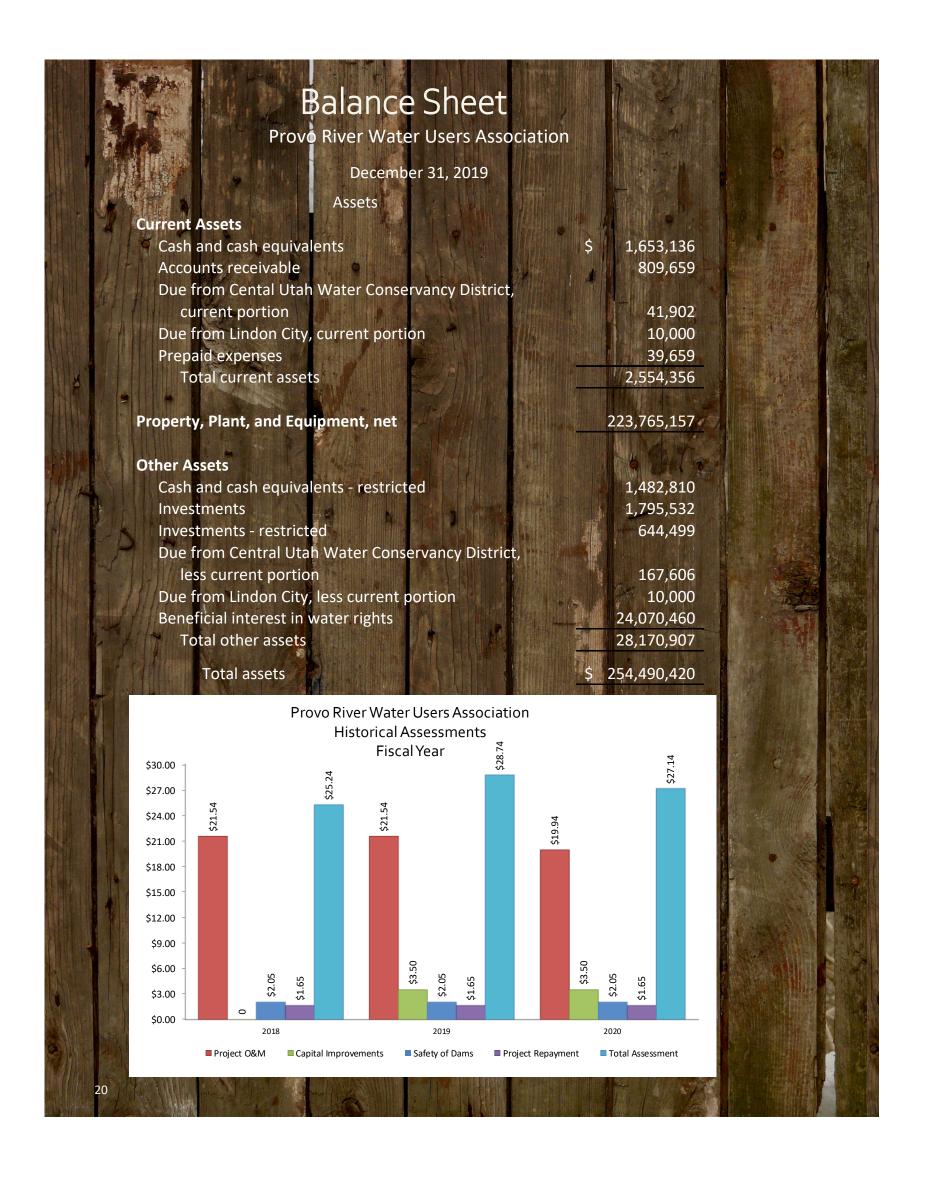
Association staff has continued to work with the Utah Department of Transportation (UDOT) to finalize an agreement to make consistent and codify all of the interactions between the two entities along the Provo River Aqueduct (PRA). One of the features of this agreement will be the completion of a set of transactions originally begun in 1971 to exchange and resolve land title issues at the intersection of the PRA and Interstate 15 near the Point of the Mountain.

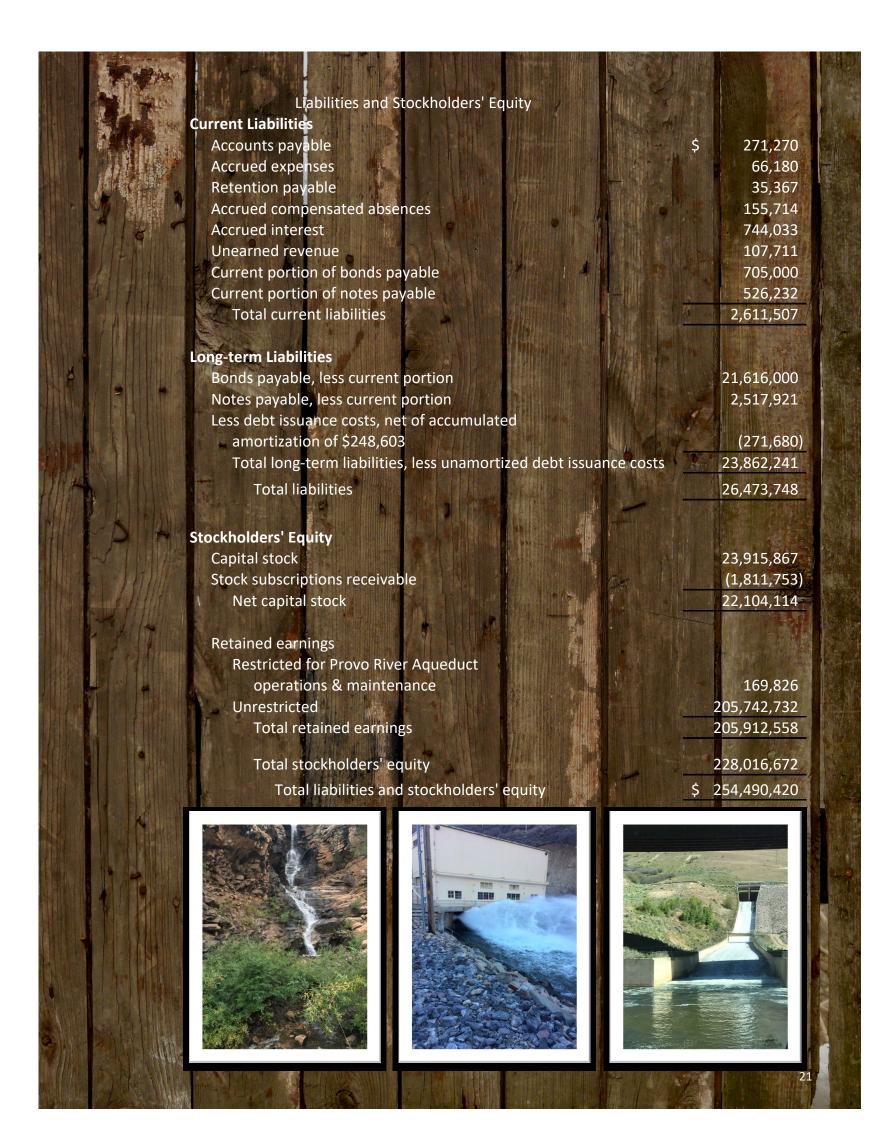
Many of the areas within the Provo River Project continued to experience growth and development during 2019. Applications for license agreements increased - particularly along the PRA and the Weber-Provo Canal. Licensed uses include new turnouts along the PRA, box culvert roadway crossings, and various types of utility crossings.

Provo River Aqueduct License Agreements



- License Agreements are authorized encroachments
- 348 License Agreements on the Provo River Aqueduct
- Also administered on other Project lands, facilities





2019 Wat	er Use	2019	2019 Allotment 100.00%		Extra	Holdover from		Water Year 2018		Holdover	
HAR BANK		Total Use	Allocated	Used	Allotment Used	Available	Used	Evap	Spill	Towards 2020	
ctober 31, 2019	Shares	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	
WD of Salt Lake & San Account #1	500	500	500	500	0	0	0	0	0	Ö	
Account #2	200	200	200	200	0	0	0	0	0	0	
Account #3	15,000	5,100	15,000	5,100	0	5,225	5,100	100	25	9,900	
Account #4 Account #5	46,000	23,124 200	46,000 200	9,652	13,472	46,000 345	10,990	667 0	34,343 345	36,348 0	
otal / / / / / / / / / / / / / / / / / / /	61,900	29,124	61,900	15,652	13,472	51,570	16,090	767	34,713	46,248	
rem MWD				Balleton .			4			10 19 18	
Account #1 Account #2	1,300 200	175	1,300 200	0 175	0	1,300 91	605 35	17 0	678 56	1,300 25	
Account #3	754	454	754	454	0	0	0	0	0	300	
otal Maria Maria	2,254	629	2,254	629	0	1,391	640	17	734	1,625	
ixon Irrigation Compan		267	300	84	0	193	89	2	102	216	
ovo MWD	8,000	2,454	8,000	1,691	763	10,156	3,133	149	6,873	6,309	1
merican Fork MWD	500	154	500	154	0	24	0	0	24	346	P
eaver/Shingle Creek	900	124	900	124	0	418	417	1	0	776	
amond Bar X	86	86	86	86	0	9	0	0	9	0	
ar X Mutual Water Co.	10	10	10	10	0	0	0		0	0	
SH Corporation	10	10	10	10	0	0	0		0	0	
oblett's Creek Mutual \	A STATE OF SHARE SELECTION	19	19	19	0	0	0	0	0	0	
ighland Conservation E Highland Conservation I		400	A						720	4 247	
Highland City	Dist. 1,710 2,099	498 392	1,710 2,099	493 392	5	771 1,342	28	15 26	728 1,316	1,217 1,707	
Lehi City	796	23	796	23	0	470	0	9	461	773	
American Fork City	405 5,010	125 1,037	405 5,010	125 1,032	0	0 2,583	0 28	0 49	0 2,505	280 3,978	7
ehi City	500	1,037	500	1,032	0	323	0	6	317	486	1
ndon City	200	6	200	6	0	345	0	7	338	194	
easant Grove Irrigation						TO THE PARTY.		教子山	335		
Pleasant Grove Irrigatio		92	363	92	0	156	0	3	153	271	
Pleasant Grove MWD	648	407	648	407	0	756	0		741	241	
easant Grove MWD	1,011	499	1,011	499 203	0	THE RECEIPT	0	18	894 294	512	
ovo Bench Irrigation	300	490	300	203		300	0	Ь	294	97	
Orem MWD	1,055	295	1,055	295	0	682	314	8	360	760	
Provo Bench	197	6	197	6	0	646	0	12	634	191	
Pleasant Grove MWD Lindon City	175 548	83	175 548	83 16	0	204	0	4	200	92	
CUWCD	26	16 26	26	26	0	805 26	0	15 1	790 25	532 0	
otal	2,000	424	2,000	424	0	2,363	314	40	2,009	1,576	
ovo Reservoir Water U	The second secon	计位数	L Marie								
JVWCD Orem MWD	10,753 2,635	8,489 718	10,753 2,635	2,268 718	6,221 0	9,521 1,698	6,670 781	71 20	2,780 897	8,485 1,917	
Alpine District	769	392	769	280	112	888	3	17	868	489	
Pleasant Grove MWD	220	356	220	124	232	220	6	4	210	96	
Highland City Lehi City	574 247	107 251	574 247	107 7	0 244	49 99	0 0	1	48 97	467 240	
Lehi Irrigation	394	65	394	65	0	0	0	0	0	329	
American Fork City	184	59	184	59	0	0	0	0	0	125	
Lindon City Orem District	130 93	72	130 93	4	68	224 176	5	4	215 173	126 90	
otal	16,000	10,511	16,000	3,634	6,877	12,875	7,464	123	5,288	12,365	
outh Kamas Irrigation	500	500	500	500	0	0	0	0	0	0	
ashington Irrigation	500	442	500	448	0	0	0	0	0	52	
otal	100,000	46,774	100,000	25,219	21,117	83,436	28,175	1,186	54,076	74,781	

Definition of Terms

ac-ft/ AF

Association

Board

cfs

CUWCD

Directors

EAP

kW

kWh

MWD

NEPA

O&M

PRA

Project

PRP PRWUA

Reclamation

SCADA UDOT acre-feet

Provo River Water Users Association

Association Board of Directors

cubic feet per second

Central Utah Water Conservancy District

Association Board of Directors

Emergency Action Plan

kilowatt

kilowatt hours

Metropolitan Water District

National Environmental Policy Act

Operations and Maintenance

Provo River Aqueduct

Provo River Project

Provo River Project

Provo River Water Users Association

US Bureau of Reclamation

Supervisory Control and Data Acquisition

Utah Department of Transportation



