

Provo Area Office Receives 2016 Federal Energy and Water Management Award



On July 11, 2016, the Provo Area Office (PAO) was selected as a winner in the **2016 Federal Energy and Water Management Awards** competition. The Federal Energy and Management Program (FEMP) assists the Federal government in recognizing individuals, groups, and organizations for their outstanding contributions toward energy and water management at federal facilities. In December 2016, an awards ceremony will take place in Washington, DC, where representatives from the Bureau of Reclamation will be in attendance to receive this prestigious award.

On September 10, 2015, Reclamation's PAO declared 100 percent conformance with the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings-*Existing Buildings*. Through a comprehensive retrofit, the PAO reduced its energy use by 47 percent, water consumption by 46 percent, and greenhouse gas emissions by 47 percent, contributing to the Federal government's position as a leader in pursuing goals to reduce its environmental impact from building operations.

Constructed in 1984, the PAO building is a 57,000 gross-square-foot facility located 44 miles south of Salt Lake City on the southern end of the City of Provo. The building encompasses office space for 140 occupants, a concrete and soils testing laboratory and several large storage bays. The office space



accommodates employees from the Department of Agriculture (USDA), the Central Utah Project Completion Act (CUPCA) Office, and the CUP Federal Credit Union. The PAO receives at least 15-20 visitors a day.

The PAO used some of the latest energy and water conservation technologies to achieve its results and is an exceptional example of how taking a comprehensive approach to sustainable renovations and operations can significantly reduce greenhouse gas emissions, conserve energy and water, improve environmental quality and make progress toward Federal sustainability goals. The following projects summarize the PAOs efficiency efforts:

Renewable Energy. PAO installed a 24 kW grid-tied solar photovoltaic system, which can provide up to 25 percent of the electricity needed in the building. PAO also installed three 90W solar panels to a Morning Star TriStar MPPT 45 solar controller, via a breaker, used for charging electrical equipment.

Rainwater Harvesting Project. Using in-house design and construction, the PAO installed a rainwater harvesting system that collects rain from several of the building's roof drains. The water gathers into a sump and is then automatically pumped into two interconnected 1,500 gallon tanks where another pump pushes the stored water into the irrigation system. The irrigation needs are regulated by soil moisture control sensors, a flow meter, and a computer to ensure water is only delivered as needed. The entire system is powered by batteries that are charged using a separate, designated set of solar panels to ensure that water savings are not traded for energy costs. The system has multiple valves that allow access to city water if the rainwater supply runs out, but since the system was put into full operation it has not had to access any city water.

Direct Digital Control HVAC System. The PAO installed a state-of-the-art HVAC control system that includes a software interface which allows the HVAC system to easily be monitored and adjusted to meet the varying needs of the building's occupants. The software also enables the system to run at a limited capacity when the building is unoccupied (i.e. nights, weekends and holidays). Additionally, the lighting and HVAC software systems are compatible and work together to maximize energy efficiency. This compatibility allows the PAO to control the HVAC system more accurately by utilizing the information received from the lighting system's occupancy sensors.

Integrated Lighting Management. The PAO lighting efficiency project improved the building's efficiency by removing the existing antiquated lighting control system and replacing it with the WattStopper® Lighting Control System. The system utilizes sonic and infrared sensors to detect occupancy, thus operating the lights only when needed, day or night. In addition, the system is capable of sensing ambient light which allows it to dim or shut off office lights when they are not needed, regardless of occupancy and adjusts outside lights based on sunshine – not time of day.

Water Fountains. Two water fountains were replaced with GreenSpec energy-efficient fountains, including bottle-filling stations that reduce dependency on plastic water bottles.





*The outcome of **Sustainable building design** is a facility that reduces consumption of nonrenewable resources, minimizes waste, and creates a healthy, productive environment*

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Heart of Hydro Awards

The Power Office awarded three employees the Heart of Hydro Awards in recognition of their outstanding efforts.

Ken Barrington

Ken has for a number of years covered all aspects of the Upper Colorado (UC) Region Electric Reliability Compliance Program. Over the last 2 years he has worked to develop and implement a strategy to better ensure ongoing compliance within the region based on reorganization, training and mentoring Power Office and field division staff.

Ken has successfully managed the regional PRC-005 Mitigation Plan, performed Western Electricity Coordinating Council (WECC) Pre-Audit Preparation work and has been integral to the success of the UC Region in its completion of North America Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) transition to the version five standards. Currently, Ken is a member of Reclamation's internal audit team, which reviews evidence for 26 NERC qualifying facilities. Ken's knowledge of the bulk power system and interconnect within the UC Region has made it significantly easier to comply with NERC/WECC electric reliability standards.

Ken actively supports and participates on Reclamation's Reliability Work Group where he spends many hours researching data, reviewing and developing regional Reliability Standards Audit Worksheets, reviewing reliability standards compliance documentation and participating in the development of Power Reliability Compliance Bulletins.

Ken's technical knowledge, tireless efforts and professionalism is well deserving of this Heart of Hydro award.



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(L-R) Ken Barrington and Tito Sepulveda

Margarito (Tito) Sepulveda

Tito continually seeks to improve himself and the Reclamation and regional compliance programs including providing many hours of support and training to the Power Office staff to better the understanding for the UC Region Electric Reliability Compliance Program.

He has been integral to the success of the UC Region in its completion of NERC CIP transition to the version 5 standards.

Tito actively supports and participates on Reclamation's Reliability Work Group where he spends many hours researching data, reviewing and developing regional Reliability Standards Audit Worksheets, reviewing reliability standards compliance documentation and participating in the development of Power Reliability Compliance Bulletins.

Tito played an instrumental role in the design and procurement of the replacement Supervisory Control and Data Acquisition (SCADA) system for the Colorado River Storage Project. The process control environment technology is ever changing and the security of the systems while at the same time providing the functionality to collect, process and deliver information to the customers on a new SCADA system is very challenging. Tito also actively supports the Power Review of Operations and Maintenance Program as a SCADA review for Reclamation's facilities.

Tito's technical knowledge, pursuit of excellence and professionalism is well deserving of the Heart of Hydro award.



Duane Mangum



Duane is currently the mechanical foreman one at the Glen Canyon Field Division, a position that he has held for several years. Duane is continually seen providing a positive example of leadership to his crew, he is always right there beside them working or giving guidance as needed. Duane would not ask anything of his crew that he would not be willing to do himself and in most cases has already performed the task.

Duane has been involved on numerous committees, including FIST 2-8, *Cranes* in an effort to improve the overall operations and maintenance program. He truly cares about the industry and has taken part on another committee to improve the craft apprenticeship program across the industry. Duane is a firm believer in developing the next generation to follow and ensure the highest level of craftsmanship is maintained throughout the region.

We're very fortunate to be employed in such a great industry and for a leader in that industry with Reclamation that contributes so much to our Nation. Duane Mangum is representative of the highly skilled and talented individuals that form the backbone of this organization and the hydropower industry and is well deserving of the Heart of Hydro award.

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Lake Nighthorse Entrance Station Construction Begins



Weeminuche Construction Authority, a Ute Mountain Ute Tribe construction company began construction on the Lake Nighthorse boat inspection and decontamination station on August 22, 2016.

The station will be located off County Road 210 at the entrance of the Lake Nighthorse recreation area. The purpose of the station is to prevent aquatic invasive species from being introduced into Lake Nighthorse.

After construction is completed in fall 2016, the area will remain closed to all public access. This is necessary until a recreation management entity is identified and appropriate recreation facilities are built to provide for public safety and protect resources from damage due to uncontrolled use.

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Looks like we are in for a wild ride: study on climate extremes and variability says.

Researchers are working with managers to understand how extreme climate events will impact water availability.

Projecting future water availability is crucial for managing water resources under a changing climate. A team of researchers led by Dr. Simon Wang, Utah State University, partnered with the Southern Rockies Landscape Conservation Cooperative and many water agencies to project future water availability and quality in the Wasatch Range Metropolitan Area, including Salt Lake City. This project aims to help water agencies manage future risk of climate extremes and adapt to anticipated changes.

Utah faces two distinct drought scenarios: the southern portion of the state will likely face decades-long megadroughts. But the northern region, where most of the state's population lies, has its own distinct drought cycle of 8–18 years, which will likely intensify with climate change. “Meaning we fluctuate back and forth, with a distinct frequency every 10 to 15 years,” Dr. Wang said. “You can actually see it peak. Every 12 years, we tend to see a big drought.” The study looked at many data points, such as climate projections, tree-ring data, reconstructed streamflow data, and snowfall. A great video shows the snowpack data as far back as the 1800s. See <https://www.youtube.com/watch?v=ZxN8wGKajW4>.

The project team has been working with water agencies to apply the results of their research. The Weber Basin Water Conservancy District is using the project data to make comparisons between recent droughts and more severe events from the reconstructed record, and plan for the necessary changes in operations management. The Central Utah Water Conservancy District has used this reconstruction to develop flow models under future climate change scenarios.

For more information about the project, visit <http://southernrockieslcc.org/project/climate-modeling-for-managing-water-supply-2>

What is causing Utah's extreme weather conditions?

By All Monsen
Published 02/19 2015 04:49PM Updated 02/19 2015 05:28PM



See this news story at
<http://www.good4utah.com/news/local-utah-state-news-/what-is-causing-utahs-extreme-weather-conditions>.

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Construction is Underway on the Orchard Mesa Irrigation District's Regulating Reservoir



In March 2016, Reclamation awarded an \$8.6 million dollar contract for construction of the Orchard Mesa Irrigation District's (OMID) regulating reservoir. The reservoir is located in Grand Junction, Colo. and is part of the OMID's Canal System's Improvement Project. Construction began on the 74 acre-foot regulating reservoir in April 2016 and is on schedule to be operational in spring 2017.

Mark Wernke, Design and Construction Group Manager for the Western Colorado Area Office said, "Construction is going well and Kissner General Contractors, Inc. and the OMID have been very supportive and great to work with."

The overall project includes: construction of the regulating reservoir, upgraded check structures in canals, installation of remote monitoring systems, replacement of some open earth laterals with pressurized pipeline, and improved operational procedures.

The improvements will provide a more reliable water supply throughout the canal system and conserve approximately 17,000 acre-feet per year. This water will also benefit endangered fishes, wildlife, and river recreation in the important "15-Mile" reach of the Colorado River downstream of Palisade, Colorado.



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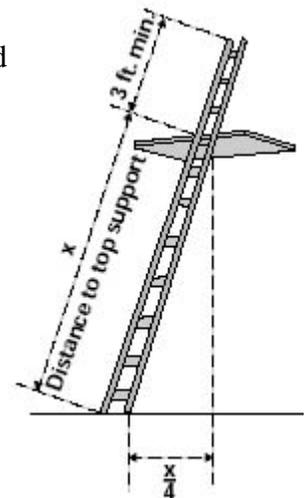
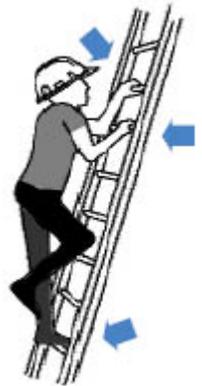
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Falls from Portable Ladders

Many office workers stand on chairs, tables or other readily available items to get the task completed. Tables and chairs are not rated to support weight not evenly distributed and can fail unexpectedly.

Falls from portable ladders (step, straight, combination and extension) are one of the leading causes of occupational fatalities and injuries.

- Read and follow all labels/markings on the ladder.
- Avoid electrical hazards! – Look for overhead power lines before handling a ladder. Avoid using a metal ladder near power lines or exposed energized electrical equipment.
- Always inspect the ladder prior to using it. If the ladder is damaged, it must be removed from service and tagged until repaired or discarded.
- Always maintain a 3-point (two hands and a foot, or two feet and a hand) contact on the ladder when climbing. Keep your body near the middle of the step and always face the ladder while climbing (see diagram).
- Only use ladders and appropriate accessories (ladder levelers, jacks or hooks) for their designed purposes.
- Ladders must be free of any slippery material on the rungs, steps or feet.
- Do not use a self-supporting ladder (e.g., step ladder) as a single ladder or in a partially closed position.
- Do not use the top step/rung of a ladder as a step/rung unless it was designed for that purpose.
- Use a ladder only on a stable and level surface, unless it has been secured (top or bottom) to prevent displacement.
- Do not place a ladder on boxes, barrels or other unstable bases to obtain additional height.
- Do not move or shift a ladder while a person or equipment is on the ladder.
- An extension or straight ladder used to access an elevated surface must extend at least 3 feet above the point of support (see diagram). Do not stand on the three top rungs of a straight, single or extension ladder.
- The proper angle for setting up a ladder is to place its base a quarter of the working length of the ladder from the wall or other vertical surface (see diagram).
- A ladder placed in any location where it can be displaced by other work activities must be secured to prevent displacement or a barricade must be erected to keep traffic away from the ladder.
- Be sure that all locks on an extension ladder are properly engaged.
- Do not exceed the maximum load rating of a ladder. Be aware of the ladder's load rating and of the weight it is supporting, including the weight of any tools or equipment.



(Accessed from OSHA

https://www.osha.gov/Publications/portable_ladder_qc.html)

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National Preparedness Month

September is recognized as National Preparedness Month (NPM) which serves as a reminder that we all must take action to prepare, now and throughout the year, for the types of emergencies that could affect us where we live, work, and also where we visit. Due to the success of last year's theme, "*Don't Wait, Communicate. Make Your Emergency Plan Today,*" will be returning for this September with a continuing emphasis on preparedness for youth, older adults, and people with disabilities and others with access and functional needs. Thank you for taking time help make America more prepared for emergencies.

Weekly Themes

- Promote NPM: August 28-September 3, Kickoff to National Preparedness Month
 - Find resources to promote NPM at: www.ready.gov/september
- Week 2: September 4-10, Preparing Family & Friends
 - Make a [family emergency communication plan](#)
- Week 3: September 11-17, Preparing Through Service
 - Honor 9/11 by [Getting involved in your community](#) & planning with neighbors.
- Week 4: September 18-24, Individual Preparedness
 - Take individual steps to prepare for a disaster today like [downloading the FEMA app](#).
- Week 5: September 25-30, Lead up to National PrepareAthon Day
 - Be counted and register your preparedness event for [National PrepareAthon Day!](#)

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Western Colorado Conservation Corps Thins Trees at Grand Junction Wildlife Area



The Western Colorado Conservation Corps received a grant from the Tamarisk Coalition for \$45,000 to thin cottonwood trees on approximately 8 acres of land at the Grand Junction Wildlife Area. The site is located in Grand Junction, Colo. near the confluence of the Colorado and Gunnison Rivers. The trees on



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the wildlife area are very close together; thinning the trees and planting shrubs will improve the wildlife habitat by increasing plant species diversity and allowing space for the cottonwoods to branch out as they grow. The trees are important to the wildlife area because they provide wildlife habitat, soil stabilization, erosion control, and a measure of flood control.

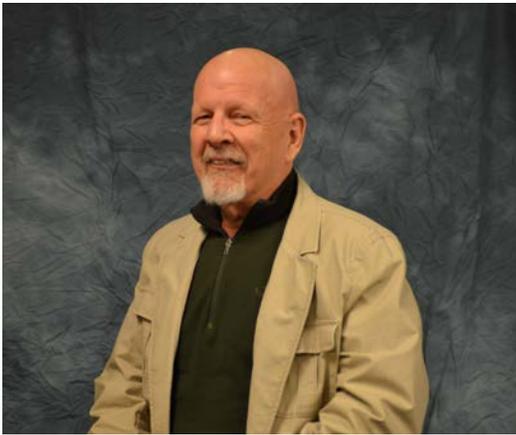
The WCCC will clear trees with chainsaws for eight weeks in October and November 2016.

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UC Region Big Picture Issues from the Front Office

A Personal Reflection: “Do The Right Thing”¹

By Terry Farnham
Human Resources Officer (August 28, 2011 – September 3, 2016)



By the time that you read this, on September 2, I will have retired after more than 30 years of Government service. This service allowed me the pleasure and great reward of public service throughout the world. Not including my 4 years of active duty military service, I have had the opportunity to serve in Panama, Cote d’Ivoire, and Ethiopia, all as part of my United States Government service. I mention these distant places because they evoke, at least for me, visions of distant and romantic places. Even after having been there, when it wasn’t always all that romantic on the ground, I’m glad that I had those experiences that help me to form this personal reflection.

My Bureau time started in 1973 as a GS-7 human resources specialist in Denver, back in the days when it was called the Engineering and Research Center. Times were different then: no flexi time, no credit hours, rarely overtime and no teleworking. As our former Regional Director Larry Walkoviak used to say, “The good old days weren’t always that good.” That being said, I, like all of you, have those good memories of those folks who mentored me even before the concept of mentoring came in vogue: the ones who helped me and us “do the right thing.”

I didn’t always know that I was being “mentored” but I did know that I had bosses and senior people, and sometimes peers and younger people, whom I looked up to, and listened to what they said, and took the time to think about what they said and what I was doing. The message that most often resonated with me was to “do the right thing.” It didn’t always happen that way, but most of the time it did. The men and women who were my heroes in the Bureau and in life were truly human in all those glorious ways that makes all of us human: the recognition that they were at times fallible and frail. Being fallible and frail allows us the conscious choice to try to “do the right thing.” It doesn’t always come easily, with our frailties related to the human condition, but we do have that choice, don’t we?

¹ It’s always “We” But it starts with “Me.”



I appreciate having a few heroes and symbols of importance in my life, both professionally and personally. Every time that I screwed up, or knew that I could have said something kinder or more inclusive, or done something just a little better, I imagine one or more of my heroes looking down on me...with that look in their eyes. You know what look I mean. Likewise, every afternoon when I leave work, I shut off the light, draw the blind, and glance up at and gently touch the flag.... It looks down on me, too, like my heroes do. I've been in other places with other flags, but only the Stars and Stripes sometimes makes my eyes water.

And finally, on the same thought of "doing the right thing," I always remember, as a person and as an American and a human, "We may have all arrived on different ships, but we are all in the same boat." Paraphrasing a speech² made at West Point 20 years ago, I like to remember the principle of "we" as it connects me to "do the right thing." Changing it from an Army to a Civil Service focus, it reads like this:

"...Being a civil servant has always been about team building. The great American pronoun is "we," the "we" of "We hold these truths to be self-evident . . .," the "we" of "We, the people of the United States, in order to form a more perfect union . . .," the "we" of "We mutually pledge to each other our lives, our fortunes, and our sacred honors . . ." Sometimes we get it mixed up with the ubiquitous "they," the "they" who caused our problems, the "they" in Washington or Denver, or at the next-higher headquarters. Whether it's the Field Office, Area Office, Division Office, Region, the Bureau of Reclamation, the Department of Interior or the Federal Government, there is no place for "they." There is only room for "we" in our common boat.

Your main job, as long as you are in the Civil Service, will be building and fostering that sense of "we," whether it be at your first job or last job. Competence alone will not get it done. Character and integrity are absolute essentials. If I could give you only one bit of advice, it would be: Keep your moral compass on bubble! Every day you are at work, you may face challenging moral and ethical questions that will require balancing the need for compassion and a recognition of human fallibility and frailty -- including your own -- with the needs for cohesion and justice. Doing it well requires that your own moral and ethical underpinnings be solid. It will be a challenging part of your job. At the same time, it will be the most satisfying part of your work...."

Thanks and Take Care.

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² "Soldiering in the 21st Century." Remarks Upon Receiving the Sylvanus Thayer Award. West Point. September 25, 1996.



Who's New

Lyndi Bell

Acquisitions Management Division – Secretary



What brought me to Reclamation was career advancement opportunities.

My special interests are math or compelling conversations and I think I'm pretty skilled at time management. I have a fiancé, Curtis, and a 6 month old daughter Cali. I love hiking, painting and reading.

I just speak English, but I admire anyone who can speak multiple languages. My favorite books are Harry Potter (of course) or the Host. My favorite genre of movies and books are Comedy, Romantic Comedy, good ones- I'm pretty easy to please. A television character I simply adore is Jessica from New Girl. For music I like country and alternative. I can play piano, and grew up

playing the violin, but not recently.

My favorite place is Europe/ traveling and my favorite holiday is Christmas or the Fourth of July, and favorite activity is snowboarding.

The one word to describe myself, would be charismatic.

"Its dangerous business, going out your door. You step onto the road and if you don't keep your feet there is no knowing where you might be swept off to." -LOTR

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Christine Hoopingarner



Western Colorado Area Office – Environmental Resources Assistant

I started working with Reclamation back in November of 2010 and took a brief break of service from June 2015 to February 2016. I came back and started working at the Durango Office. I am currently on a detail in the Acquisition Management Division in the Regional Office and am LOVING it!

My special interests are that I love training dogs and working with them to be therapy dogs. I have four golden retrievers.

My hobbies are traveling when I have time. I traveled the Washington and Oregon coast last year and I feel I just hit the tip of the iceberg of exploring when it comes to those two states.



I am a huge Beatle fan and have also seen Paul McCartney three different times: once in Tampa, Florida, and twice in Salt Lake City. I also love the band Train. I have seen them twice now and plan on seeing them again in the future.

I grew up with a Polish mother so I can play the accordion. The accordion was bigger than I was growing up. I still have it today.

My favorite place to visit is St. Augustine, Florida. I love the history there. My favorite place to live (now) is Durango, Colorado. I feel like I have found my long, lost home after wandering the globe for many years.

The one word to describe myself, would be adventurous. I'm not afraid of much. Something new or unknown has always sparked my interest!

“Three things cannot be long hidden: the sun, the moon, and the truth.” *Buddha*

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Lili Stokes

Acquisitions Management Division



I served in the Army 14 years and was stationed in Hawaii and Fort Bliss. I served two tours in Iraq, one in Afghanistan and one in Qatar. Once I got out of the military I got a job with Hewlett Packard managing a data center for Naval Air Weapons Station China Lake. I stayed with Hewlett Packard for a year before getting a job working for the Department of Defense on Fort Bliss. I was only with them for 6 months before transferring to Reclamation. The reason for my leaving my previous job was job stability. Education wise, I am currently finishing up my bachelor's degree in Information Computer Science with Park University.

I have two boys, Mykel and Christopher Stokes. Mykel will be the big 13 in November and Christopher will be 9 in March. I also have two dogs and a cat. Beauty (Bella) is an Alaskan Husky and Best is a Siberian malamute mix. My cats is an American Short hair and his name is Ralphy.

I play the clarinet and usually try to play with the community band if I can find one. I love music so I love to participate in the making of music or just listening to it. I love swimming, boating, hiking, running (even though I don't look it) anything that takes me out doors. Other than that, I love to watch movies and enjoy my time with my kids.

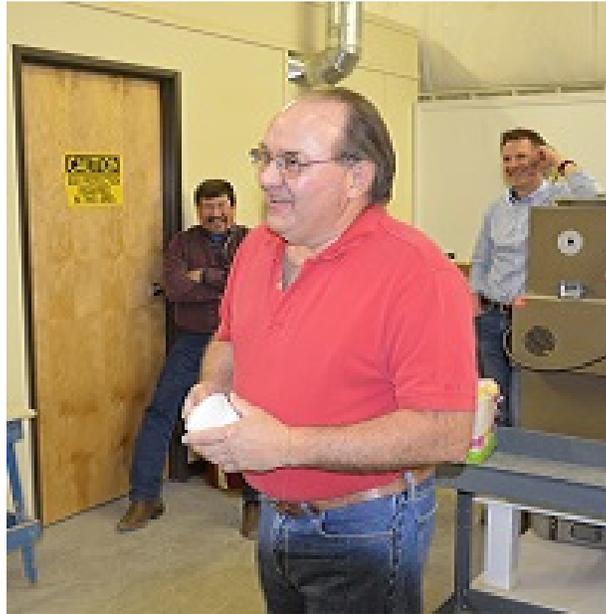
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In Transition

Jaye (Jaye with an e) Decker Retires



The Four Corners Construction Office (FCCO) lost a great civil engineer to retirement at the end of April. Jaye (with an e) Decker decided to call it quits from his position as the Senior Civil Engineer at FCCO, after completing 31 years of service for Reclamation. His technical expertise and ability to provide simplified engineering solutions to complex problems will be missed!

Jaye's love and interest in water and engineering began near where he was born in Durango, Colorado. When he was 1 year old, his family moved out of town to a 200 acre farm on Florida Mesa, halfway between Durango and Bayfield, Colorado. His dad had a large herd (over 600 head) of Hereford cattle. The Decker family ran the cattle in New Mexico during the winter and around Vallecito Lake in the summer. Jaye's grandad and his brothers owned the land that Vallecito reservoir covered. Additionally, Jaye's dad was on the Water Board when Lemon Reservoir was constructed. Jaye and his family would visit Lemon Dam once a week to witness the construction process, which was very influential in developing his interest in water resources and engineering. "I learned more about water and engineering in my childhood than any other time."

Jaye graduated from Durango High School in 1972 and went on to obtain his engineering degree from the prestigious Colorado School of Mines in 1977. He married Sue McCoy in January 1978, who still puts up with him. Jaye's first job away from the farm, was with a small engineering – surveying Company. During that time, he received his first experience working on the Navajo Indian Irrigation Project; he was the crew chief on the construction surveying of Block 2 – Collector Drains. Jaye worked for that company until spring 1984, when he was lay offed due to lack of work. He then worked for La Plata County, as a surveyor and engineer for 6 months.

In September of 1980, Jaye got a job with Guy F. Atkinson building McPhee Dam, keeping track of all of the quantities and some design work. When McPhee Dam construction was completed, the Project Engineer for Guy F. Atkinson and the Project Construction Engineer for the Dolores Project worked out a



deal for him to start a temporary Contract Administration position with the Bureau of Reclamation in Cortez, Colorado. Being that Durango and Cortez were bitter rivals from his high school days, he chose to live in the small community of Dolores, Colorado, which ended up being the biggest town he has ever lived in. During that time he made wooden toys and remodeled a 1991 house, while living in it with a wife and three kids.

Jaye received a permanent appointment with Reclamation in April 1985. In May 1991, he transferred to the Navajo Indian Irrigation Project office in Farmington, New Mexico, and in March 1993 he transferred from Contract Administration to Design. From July 1998 to July 2001 Wes Myers and Jaye co lead the Four Corners Construction Office design team. In July 2001, Wes transferred to Loveland, Colorado, and Jaye became the Design Group Chief. That role expanded from January 2007 to August 2008, where Jaye's duties included supervising both the Design and Contract groups. Since August 2008, Jaye has served the role of the Senior Civil Engineer in the FCCO Design Group, which he enjoyed as it still provided the salary of the Design Group Chief role without all the extra responsibilities of supervision. Jaye was able to focus on his main interest as a civil engineer designer.

In 2002 Jaye had a major heart attack, which was when he began making retirement plans. "Makes you rethink your plans and priorities."

Sue and Jaye have a daughter born in 1979, a son born in 1982, and a son born in 1985.

Jaye and Sue's daughter (Jessie) sells Insurance in Bayfield, Colorado. She has two daughters. Jessie lives near Bayfield, Colorado.

His oldest son (Jared) has a PHD. He researches genetics in cattle to improve their production and the quality of their meat. Jared has a step daughter, two sons, and a daughter. When his son graduated from New Mexico State he had the highest grade point in the Agricultural College! Jared lives near Columbus, Missouri

Jaye and Sue's youngest son (Justin) has a truck line and farms around 300 acres. He has a two year old daughter and new baby brother who was delivered on his older sister's birthday. Justin lives West of Farmington.

Sue and Jaye own 73 acres of farm land North of Farmington, where they registered Hereford cattle. Sue also has four mules she inherited from her dad. Two are trained to harness and have been in several parades.

In retirement, Jaye plans on spending a lot of time cleaning up and improving the farm. In his free time from ranching, if any is left, he plans on making toys again, and also making things from used horseshoes. Lastly, if Jaye still has time left after both of those jobs and hobbies, he might do some telework; sitting on the couch, watching the tele, and calling it work. Jaye's got a great sense of humor, something his friends and co-workers know well. Retirement will also give Jaye and Sue the freedom to make trips to visit Jared and his family in Missouri and spend more time with their grandkids that live near La Plata and Farmington.

Jaye enjoyed a great career with Reclamation, but it's time for him to enjoy life and spend more time with his wife. Jaye will enjoy being able to get the farm work done on the weekdays and will no longer have to hurry home on Sunday to complete what he started. Jaye made lots of friends in his Reclamation career,



and plans to continue those friendships in his post-Reclamation life. If you are ever near the town of La Plata, New Mexico stop by to see him and ask him about the “boondoggle” he’s on.

Jaye with an e will be missed, but his engineering knowledge will continue in the design group staff he mentored at FCCO. The FCCO staff is still looking for a replacement of the office curmudgeon role, Jaye became so well known for in the last decade. Thank you Jaye.

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**James A. (Jim) Hurst, 61
October 1954 – July 2016**

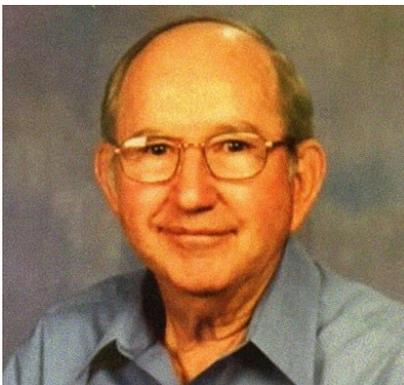


On July 3, 2016, we lost a beloved husband, father, grandfather, brother and friend. James A. (Jim) Hurst of Ft. Garland passed peacefully with his wife Mariann by his side. He is survived by his wife, daughter Sally and granddaughter Maya along with numerous brothers, sisters, aunts, uncles, cousins, nieces and nephews. Jim was an avid fisherman and hunter with a love of woodworking among many other endeavors.

Jim was born in Cleveland, OH on October 11, 1954, and raised in Questa, NM. He was a former member of the US Army stationed in Germany. He returned to Germany and Switzerland for several years after his discharge. Upon his return to the US he worked as a heavy equipment operator with the Rio Grande Conservation District and the US Bureau of Reclamation. Jim will be sorely missed by his family and friends. A memorial will be scheduled at the end of August when his daughter and granddaughter will be able to join us.

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**CJ Jones
(1930-2016)**



CJ Jones, 85 of Cottonwood, passed away on July 24, 2016. He was born on August 20, 1930 in Globe, AZ to Claud Jones and Ima Smith.

CJ attended high school in Globe. He served his country in the Navy from 1948 - 1950. He worked at numerous copper mines in Globe, Bisbee, Douglas, San Manuel and also Lima Peru.

He then worked at the Phoenix Cement Plant from 1959 - 1980. CJ also worked for the US Bureau of Reclamation in Page, AZ and Boulder City, NV from 1980 - 1992. He retired in 1992.

CJ was a faithful member of the Church of Jesus Christ of Latter Day Saints. He enjoyed fishing and traveling. He loved his family and grandchildren. CJ was preceded in death by his wife Marjorie Jones. He is survived by sons Michael Jones (Gail) of Cottonwood and Larry Jones (Lynette) of Cottonwood; daughter Karen Rowland (Dean) of Yuba City, CA; 12 grandchildren and 22 great-grandchildren.

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What Is the Media Saying About Reclamation This Week?

[Local hydrogeologist raises awareness, piping Steinaker Canal](#)

[Legacy of 'Cadillac Desert' highlights severity of West's water crisis](#)

[Decommissioning Glen Canyon Dam Would Have Minimal Impact On Power Grid, Study Says](#)

[Study: Drought like 2000-2006 would empty Lake Powell](#)

[Elephant Butte at level lowest since 2002](#)

[Public Meeting on Navajo Reservoir Spring Peak Releases](#)

[John Wesley Powell: Mapping the Colorado River](#)

[Close Call: Feds See 2018 Shortage in Lake Mead Water Supply](#)

[Despite Dwindling Levels, Lake Mead Water Restrictions Avoided for 2017](#)

[Lake Mead likely to skirt shortage line for another year](#)

[UDOT previews possible plans for road, trails through Ogden Canyon](#)

[Navajo Nation takes EPA to court over toxic river spill damage](#)

['Climate change is water change' - why the Colorado River system is headed for major trouble](#)

[Water worries making waves](#)

[Will global warming boost groundwater supplies in the Upper Colorado River Basin?](#)

[The Colorado River Conveys as Much Politics as It Does Water](#)

[OUR NATIONAL PARK SERVICE TURNS 100 THIS WEEK. MEET SOME OF THE HEROES WORKING TO PRESERVE THESE LANDS.](#)

[Tom Galvin, Rose Law Group land use attorney, provides analysis of the precarious state of Lake Mead and Lake Powell water levels](#)

[Patterson will help Dryside water issues](#)

[CRD launches Colorado River's first electric raft](#)

[Rio Grande 101](#)

[Feds restrict vehicle access at Navajo State Park](#)

[New Mexico official to OK new power line into Arizona](#)

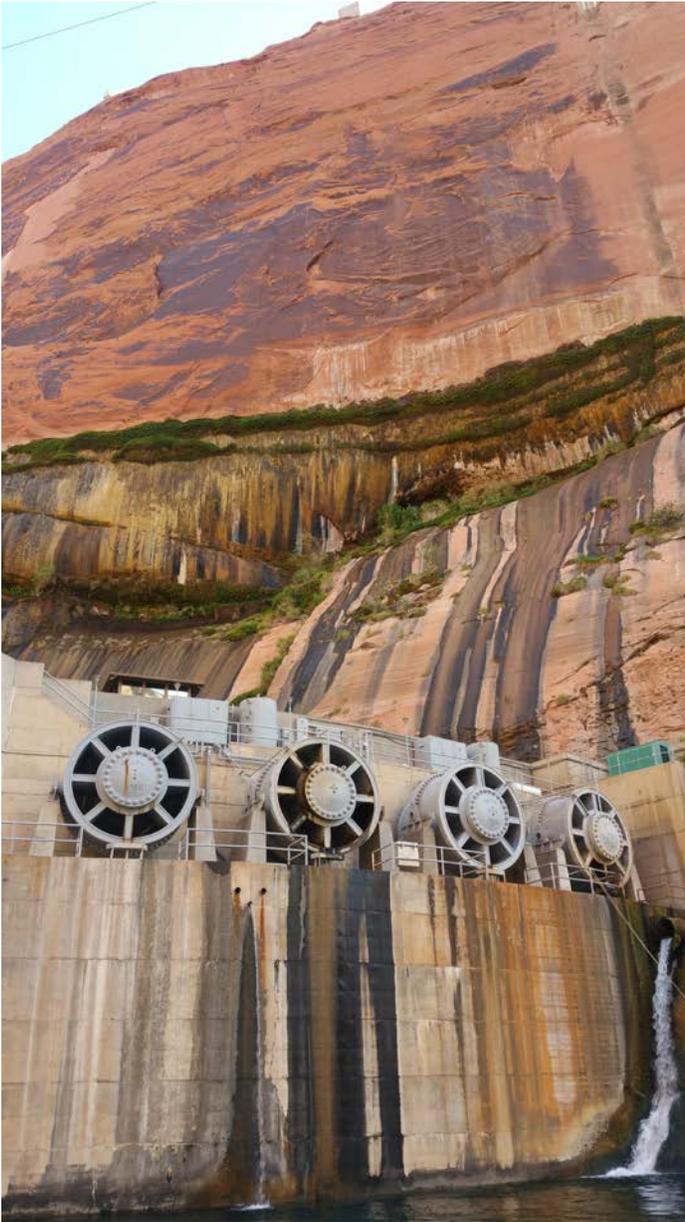
[Briefcase](#)

[Lake Powell could dry up in as little as six years, study says](#)

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Release valves at Glen Canyon Dam

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Reclamation Trivia

Here's this week's set of questions:

1. On July 11, 2016, the Provo Area Office (PAO) was selected as a winner in the _____ competition.
2. The Power Office awarded which three employees the Heart of Hydro Awards in recognition of their outstanding efforts? _____, _____, and _____



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3. September is recognized as _____(NPM), which serves as a reminder that we all must take action to prepare for the types of emergencies that could affect us where we _____, _____, and also where we _____.

Last week, We asked,

1. All composting requires three basic ingredients: **browns, greens, and water.**
2. Three basic tips to prevent mosquito bites are to: **remove mosquito habitats, use structural barriers, and avoid getting bitten.**
3. October is the official **100-year anniversary** of Elephant Butte dam.

Last winner was – **N/A**

Please use this [link to send your answers](#). To be fair we will draw names from the winners and one person will receive a prize. We will reach into the prize bin for something suitable for the winner...as long as supplies last.

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