

MINUTES
CENTRAL VALLEY WATER RECLAMATION FACILITY
Wednesday, May 24, 2023
Central Valley Board Room
4:00 p.m.

Board Members Present:

Chair Debra Armstrong	Granger-Hunter Improvement District
Vice Chair Don Russell	Taylorville-Bennion Improvement District
Member Wesley Fisher	Cottonwood Improvement District
Member Jeff Monson	Kearns Improvement District
Member Giles Demke	Mt Olympus Improvement District
Alternate Member Ben Ford	Murray City
Member Sharla Bynum	City of South Salt Lake

Staff Members Present:

Phillip Heck	General Manager
Brandon Heidelberger	Assistant General Manager
Justin Zollinger	Chief Financial Officer
Graham Gilbert	Legal Counsel
Bryan Mansell	Chief Engineer
Jake Crookston	IT Manager
Cindie Foote	Employee Services Manager
James Rich	Pretreatment Department
Eric Price	Pretreatment Department
Trey Sandness	Maintenance Mechanic
Halima Yarow	Pretreatment Department
Brad Woodhouse	Pretreatment Department
Anthony Rizzuto	Operations Department
Jay Nowell	Electrical Department
Chad Fryrear	Operations Department
Brock Thompson	Maintenance Mechanic
Christi Priest	Pretreatment Department
Talena Walton	Pretreatment Department
Isaac Talbot	Safety Manager
Patrick Roche	Safety Specialist

Member Entity Representatives Present:

Greg Anderson	Kearns Improvement District
Kerry Eppich	Mt Olympus Improvement District
Jason Helm	Granger Hunter Improvement District
Brandon Richards	Murray City
Greg Neff	Cottonwood Improvement District
Spencer Evans	Cottonwood Improvement District

Visitors Present:

Trevor Lindley
Neil Kunz
Travis Jones
Dustin Bunderson
Claira Malarkey

Brown and Caldwell Engineers
Brown and Caldwell Engineers
Rocky Mountain Power
Rocky Mountain Power
Parson, Behle & Latimer

Visitors Present Electronically:

Skylar Davies
Dan Griffin

Department of Water Quality
Department of Water Quality

A complete copy of each exhibit referred to in these minutes is filed in the official Central Valley Water Reclamation Facility Board Book. Chair Debra Armstrong conducted the meeting. Don Russell led the Pledge of Allegiance.

APPROVAL OF MINUTES

Jeff Monson made a motion to approve the meeting minutes of the April 20, 2023 Board meeting as presented.

MOTION: Jeff Monson

SECOND: Debra Armstrong

The motion passed with the following individuals voting in the affirmative: Debra Armstrong, Don Russell, Wes Fisher, Sharla Bynum, Jeff Monson, Ben Ford, and Giles Demke.

GENERAL MANAGER COMMENTS

- 1. Website and Domain Name Change** – the new configuration is www.cvwrftut.gov. Email addresses are replaced with @cvwrftut.gov.
- 2. CVWRF Annual Golf Tournament** – The annual golf tournament will be held August 14, 2023 at Westridge Golf Course. Mailers will be going out on this soon. Registrations should be mailed back to CVWRF attention Jeremy Deppe.
- 3. Update on Community Grant Funding** – Burgess Owens’ office has recommended funding for dewatering equipment in the amount of \$5M. The funding requests were coordinated between Chris Stewart’s and Burgess Owens’ offices and therefore we were not recommended through Mr. Stewart’s office. This appropriation has been put into the Community Grant Fund recommendation and will go through the federal budgeting process.
- 4. Standard & Poor’s (S&P) Rating** – Justin Zollinger has been working on updating our rating. It has been confirmed that CVWRF will maintain its very high credit quality AA bond rating. This is not only due to CVWRF’s financial management, but the great work in management of our member entities as well.

CVWRF AWARDS – WEF/WEAU

Dr. Heck welcomed the staff in attendance and congratulated them all for the hard work, time, and effort put into the WEAU/WEF competition as well as the everyday excellent work that resulted in these awards. They are as follows:

- **WEF Awards**
 - Sharon Burton – WEF Hatfield Award - *Recognizes extraordinary personnel performance, professionalism, good public relations and makes advancements in the field.*
 - Chris Reilley – WEF Arthur Sidney Bedell Award - *Recognizes extraordinary personal service to a WEF Member Association.*
 - Kevin Gallagher – WEF Quarter Century Club Award – *Requires 5 years of continuous WEF membership, 25 years full-time participant in the water environment profession with 10 years in the day-to-day operations, maintenance, lab, or management of a wastewater facility.*
- **WEAU Individual Awards**
 - Eric Price – Outstanding Pretreatment Specialist
- **Operations Challenge Team**
 - 1st Place in Process Control and Maintenance Events
 - 2nd Place in Laboratory and Safety Events
 - 1st Place Overall
- **Facility Awards**
 - Outstanding Pretreatment Program Award
 - Outstanding Safety Program Award
 - Excellence Award

Dr. Heck thanked the Board for their support. The Board congratulated each recipient.

ROCKY MOUNTAIN POWER BNR INCENTIVE

Dr. Heck introduced Dustin Bunderson from Rocky Mountain Power (RMP). Mr. Bunderson gave a presentation on the energy incentive program offered through RMP which included an overview of the WattSmart Program, the benefits CVWRF has received from the program, and the BNR Facility upgrade incentive information.

The program is an energy efficiency program administered through RMP. Their integrated resource plan looks forward 20-50 years to match needs to what RMP can provide. Part of the program is to provide incentive to reduce power consumption and capital facilities construction. The incentive program is funded by each customer paying 3-4 percent on their monthly bill. CVWRF pays approximately \$25k into the program annually. In 2022, RMP paid CVWRF \$117k for qualifying projects. In totality, the WattSmart program pays \$12.8M per year.

For the BNR project, CVWRF is slated to receive \$2,998,993 in incentive. It is anticipated that the upgrade will lower the annual electric costs by \$1,704,223 and reduce CO₂ emissions by 12,136 tons per year. The total cost of the related upgrade is approximately \$43,521,171. Anticipated energy use and savings will be verified once the project is complete, and a final report will be produced. The incentives may be adjusted for how well the project matches the estimates stated above.

RMP expressed appreciation to CVWRF for their partnership, particularly Dr. Heck, Bryan Mansell, and Navneet Prasad. There was quite a bit of information produced during this effort and in developing justification for the incentive rebate. Mr. Bunderson also recognized the exemplary efforts of Brown and Caldwell, CVWRF's engineering consultant.

Dr. Heck thanked Mr. Bunderson for his efforts and appreciates the partnership with RMP. Mr. Bunderson is a chemical engineer and understands the intricacies in the industry as it relates to pumps, motors, processes, and variable frequency drives. He put together the analysis that drove the incentive process through.

Dr. Heck also stated that although the rebate is substantial, the main benefit of the energy efficient design of the BNR process is the \$1.7M in energy cost savings per year. Those savings are incredibly significant over the life of the project. When CVWRF designs a project, we use a total cost of ownership approach and it is one of the main selection drivers for equipment and processes.

BNR BASINS PROJECT/EFFLUENT AMMONIA PERMIT LIMIT EXCEEDANCE

Mr. Brandon Heidelberger reported that CVWRF did not meet the ammonia limit for April and we are trending toward not meeting the limit for May. We have notified the State of these exceedances.

The primary reason for exceedance is due to the demolition of the three west-side trickling filters to allow for the construction of the aerobic/aeration basins and supporting electrical building. CVWRF previously operated six trickling filters and, with construction, have now cut the capacity in half. While construction continues for the next two years, we will struggle to meet ammonia limits until the new BNR process comes online. Last month the situation was exasperated by two additional construction projects; the pond lining; and retrofitting of the filtrate tanks. These two areas are used as wide spots to help hold the filtrate so the flow and load can be equalized before returning the filtrate back to the head of the plant. Both these projects are now complete and in service. This will help.

The State has been notified of the current situation and also of the ongoing struggle with meeting the effluent ammonia permit limit with only three trickling filters available.

Wes Fisher asked if there are any fines associated with the exceedance. Mr. Heidelberger responded that there is always a potential of this, however we have worked closely with the

State and kept them apprised of the circumstances and our ongoing work to mitigate exceedances to the best of our ability. We do not anticipate any fines.

Dr. Heck stated the Sidestream Nitrogen project should be operational and in service by July. This will also help with approximately 20-25 percent reduction in ammonia recycling back into the facility, which should significantly reduce overall effluent ammonia levels. Also, with warmer ambient air and water temperatures the performance of the remaining trickling filters will improve and help further reduce effluent ammonia levels.

CONSTRUCTION PROJECTS SITE WALK

Debra Armstrong polled the board to determine if there will be a quorum on the site walk. After a poll, there will not be a quorum and we will conclude the meeting as normal.

INFORMATIONAL ITEMS

Debra Armstrong stated that the financial, performance/flow monitoring, and engineering projects reports are included in the board packet.

There were no further comments or questions.

ADJOURNMENT

Sharla Bynum made a motion to adjourn.

MOTION: Sharla Bynum

SECOND: Don Russell

The motion passed with the following individuals voting in the affirmative: Debra Armstrong, Don Russell, Wes Fisher, Sharla Bynum, Jeff Monson, Ben Ford, and Giles Demke.

The meeting adjourned at 4:36 p.m.

Cindie Foote
Board Secretary