ACTION ITEMS UPDATE

1. **Drought and Curtailment**
   State Water Resources Control Board approved an emergency curtailment on August 3, 2021. Senior water right holders, pre-1914, will also be curtailed. Staff have increased conservation efforts including hiring a water waste patrol for night time and sending a postcard to all customers.

2. **2x2 Committee Meeting with Sacramento Suburban Water District**
   The Board's Ad-Hoc Collaboration Committee met with Sacramento Suburban Water District’s (SSWD’s) committee for the second time on July 23, 2021. The agenda and presentation materials for the last two meetings are included in Attachment 1. The next meeting is scheduled for August 24, 2021 at 3:30. It is anticipated that there will be a joint board meeting for the two agencies in early October.

3. **Regional Water Authority (RWA)**
   RWA will host a special Board meeting on August 31, 2021 at 9:00 to discuss the Sacramento Groundwater Authority and Sacramento Central Groundwater Authority consolidation.

   RWA’s 20th anniversary celebration will be on October 7, 2021 from 5:00 pm to 7:00 pm at the Sutter Club Rooftop. The tickets are $65 each. The event flyer is attached in Attachment 2.

4. **American Rescue Plan Act funding**
   Sacramento County will receive a total of $301.4 million in two installments, with 50% ($150 million) provided beginning in May 2021 and the balance delivered approximately 12 months later.

   Staff and Director Greenwood met with Supervisor Desmond to discuss inclusion of Carmichael Water District in the funding process. The District’s need for reliable water supply is of the utmost importance. A letter was sent to Supervisor Desmond and the letter is attached as Attachment 3.

Attachments:
1. 7/7/2021 and 7/23/2021 2x2 Ad Hoc Committee Meeting materials
2. RWA 20th Anniversary Celebration flyer
3. ARPA letter to Supervisor Desmond
Agenda

Carmichael Water District/Sacramento Suburban Water District
2x2 Ad Hoc Committee Meeting

3701 Marconi Avenue, Suite 100
Sacramento, CA 95821

Wednesday, July 7, 2021 3:00 p.m.

This meeting will be conducted both in-person in the Sacramento Suburban Water District’s Boardroom at the address above, and by videoconference and teleconference using the information provided below. The public is invited to listen, observe, and provide comments during the meeting by any method provided. The Chairperson will call for public comment on each agenda item at the appropriate time and all votes will be taken by roll call. If a member of the public chooses to participate in this public meeting via videoconference and/or teleconference, please see the instructions below.

For members of the public interested in viewing and having the ability to comment at the public meeting via Zoom, an internet enabled computer equipped with a microphone and speaker or a mobile device with a data plan is required. Use of a webcam is optional. You also may call in to the meeting using teleconference without video. Please use the following login information for videoconferencing or teleconferencing:

Join the meeting from a computer, tablet or smartphone:
https://us02web.zoom.us/j/81711595801?pwd=V3BhN2hhaFRLSVV3YkFGS1Z5cXhyUT09

Meeting ID: 817 1159 5801
Password: 024057

You can also dial in using your phone: 1 (669) 900-5833

New to Zoom? Get the app now and be ready when your first meeting starts: https://zoom.us/
Zoom uses encryption of data during Zoom meetings. The two Agencies use a secure password to restrict access to scheduled meetings. The meeting host has control of content sharing, recording, and chat.

Please mute your line.

Where appropriate or deemed necessary, the Committee may take action on any item listed on the agenda, including items listed as information items. Public documents relating to any open session item listed on this agenda that are distributed to all or a majority of the members of the Committee less than 72 hours before the meeting are available for public inspection at each Agency’s Administrative Offices.

The public may address the Committee concerning an agenda item either before or during the Committee’s consideration of that agenda item. Persons who wish to comment on either agenda or non-agenda items should fill out a Comment Card and give it to either one of the General Managers. The Chairperson will call for comments at the appropriate time. Comments will be subject to reasonable time limits (3 minutes).
Carmichael Water District/Sacramento Suburban Water District 2x2 Ad Hoc Committee
July 7, 2021
Page 2 of 2

In compliance with the Americans with Disabilities Act, if you have a disability, and you need a
disability-related modification or accommodation to participate in this meeting, then please
contact Sacramento Suburban Water District Human Resources at 916.679.3972. Requests must
be made as early as possible, and at least one full business day before the start of the meeting.

Call to Order

Roll Call

Announcements

Public Comment
This is an opportunity for the public to comment on non-agenda items within the subject matter
jurisdiction of the Committee. Comments are limited to 3 minutes.

Items for Discussion and/or Action

1. Introduction

2. Overview of Carmichael Water District and Sacramento Suburban Water District

3. Goal of the 2X2 Ad Hoc Committee

4. Joint Discussion of Consolidation Opportunities

5. Joint Discussion of Collaboration Opportunities

6. Next Meeting Date and Time

7. Public Comment

Adjournment

I certify that the foregoing agenda for the July 7, 2021, meeting of the Carmichael Water
District/Sacramento Suburban Water District 2x2 Ad Hoc Committee was posted by June 29,
2021 in a publicly-accessible location at the Sacramento Suburban Water District office, 3701
Marconi Avenue, Suite 100, Sacramento, California, and at the Carmichael Water District office,
7837 Fair Oaks Boulevard, Carmichael, CA 95608, and was made available to the public during
normal business hours.

________________________
Dan York
General Manager/Secretary
Sacramento Suburban Water District
2X2 AD HOC COMMITTEE MEETING

CARMICHAEL WATER DISTRICT AND SACRAMENTO SUBURBAN WATER DISTRICT

Cathy Lee
General Manager, CWD
July 7, 2021

Dan York
General Manager, SSWD
July 7, 2021

SSWD OVERVIEW

- Arcade Water District (1954) and Northridge Water District (1956) consolidate into Sacramento Suburban Water District on February 1, 2002
- 5 Board of Directors by Division
- 71 Regular full time employees
- 47,000 Service Connections
- 173,000 Population served
- 36 square miles of service area
SSWD SERVICE AREA

- Established in 1916 as an irrigation district
- Changed to Carmichael Water District in 1980
- 5 Board of Directors by Division
- 8 square miles
- 11,700 service connections
- 38,000 population served
- 30 regular full time employees

CWD OVERVIEW
CWD SERVICE AREA

CWD FINANCIALS

- Budget = $17.8 Million
- FY CIP = $6.27 Million
- FY Operating Budget = $8.26 Million
- Debt Service = $3.35 Million
- Reserves = $11.6 Million
- Cash = $4 Million
SSWD FINANCIALS

Budget = $40.1 Million
CY Capital Budget = $17.1 Million
CY Operating Budget = $23.0 Million
Reserves = $40.8 Million
Debt Service = $70 Million

SSWD WATER SUPPLIES

- 72 groundwater wells = 115.8 Million Gallons Per Day (MGD).
- North Service Area is non-fluoridated and South Service Area is fluoridated (Agreement ends in 2027).
- City of Sacramento surface water contract right = 26,064 acre feet (af).
- Placer County Water Agency surface water contract right = 29,000 acre feet. 8,000 af take or pay. SSWD has a Long Term Warren Act Contract that expires in 2045.
CWD WATER SUPPLIES

• 3 Post-1914 Surface Water Rights
  (2 Licenses and 1 Permit)
• 32,627 ac-ft per year
• Bajamont Water Treatment Plant = 22 MGD capacity
• Curtailed in 2014, 2015 and 2021
• 4 Groundwater wells = 7.5 MGD
• Remediated groundwater = 2 Aerojet wells

SSWD INFRASTRUCTURE

• Continue replacing aging distribution system.
• Continue work on three new groundwater wells.
• Continue Multi-Year Process to Acquire Property for Future Well Sites.
• To date, approximately $110 million spent on distribution replacement program.
CWD INFRASTRUCTURE

• 2 new additional groundwater wells
• Water treatment plant rehabilitation projects
  Switchgear and generator
  SCADA
  Filter replacement (20-30 years)
• Distribution pipeline replacement
• Fully metered

SSWD CONJUNCTIVE USE PROGRAM

• 100% groundwater in dry and very dry years.
• 72 groundwater wells
• Surface water available in average and wet years
• Contract rights for surface water totaling 55,064 acre feet per year in average and wet years
• $120 million investment in conjunctive use infrastructure
• Over 220,000 acre feet of groundwater banked
SSWD WATER METERS

- Currently about 46,000 services are metered in SSWD.
- Approximately 1,000 services remaining.
- Current SSWD schedule is set to comply with State law requirements in advance of the 2025 mandate.
SSWD WATER RATES

SSWD
5/8” Meter: $32.01
* 3/4” Meter: $44.40
1” Meter: $69.19

Note: SSWD flat rate based on $2.35 per 1,000 square feet of parcel and Fixed Charge.
(e.g., 8,000 sf = $18.80 + $44.40 for ¾” connection = $63.20)

* ¾” metered rate is the major portion of SSWD’s rate structure.

CWD WATER RATES

• Mostly 1-inch residential meters
• 1” Meter: $43.91
• Water usage rate: $1.65/CCF (every 10-cubit feet)
QUESTIONS?
Carmichael Water District requires members of the public to wear face coverings when in the District office and boardroom consistent with federal and state guidelines. Seating in the boardroom is limited to ensure proper social distancing between members of the public attending board meetings.

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In compliance with the Americans with Disabilities Act, if you have a disability and need a disability-related modification or accommodation to participate in this meeting, please contact the General Manager at 483-2452. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

CALL TO ORDER AND STATEMENT REGARDING PUBLIC PARTICIPATION

PUBLIC COMMENT:

1. Public Comment
   Any member of the public may address the Board on any item of interest to the public that is within the subject matter jurisdiction of the Board.

DISCUSSION ITEMS/ ACTION CALENDAR:

2. Approval of July 7, 2021 Meeting Minutes

3. Guiding Principles and Goals

4. Collaboration Opportunities

5. Next Meeting Date/ Time

6. Adjournment
2x2 Ad Hoc Committee Meeting
Carmichael Water District
and
Sacramento Suburban Water District
July 23, 2021

Cathy Lee
General Manager, CWD

Dan York
General Manager, SSWD

GUIDING PRINCIPLES & GOALS

- Guiding Principles
  - Mutually beneficial to all rate payers - Do No Harm
  - Commit to a process
  - Create an environment to foster collaboration
GUIDING PRINCIPLES & GOALS

- Goals
  - Evaluate current opportunities for collaboration
  - Advance process based on efficiencies and benefits

Collaboration Opportunities

- Engineering
  - Intertie Project
    - Grant opportunity
  - GIS/Asset Management
    - Rehab database
    - Work Order System/Service Request
  - Construction Inspection
Collaboration Opportunities

- Operations
  - Paving
  - High Traffic Area Valves
  - SCADA
  - Inventory (via Asset Management)
  - Well Maintenance

Collaboration Opportunities

- Water Supply
  - Groundwater Wells
    - CWD: 2 wells in the near future
    - SSWD: 1 replacement well every 3 years for 12 years
  - Surface Water Supply
    - CWD: water rights permit for 25 cfs (18,099 AFY)
    - SSWD: PCWA and City of Sacramento contracts
    - CWD + SSWD: City of Sacramento, Area D
Collaboration Opportunities

- Staff
  - CWD & SSWD managers and supervisor meet and greet
  - All Hands staff meeting introduction

NEXT STEPS ANALYSES

- Governance
  - Number of Directors
    - Division maps
    - Committee recommendation & decision making
    - LAFCO and other agencies coordination
NEXT STEPS ANALYSES

- Financial
  - Debts
  - Retirement Unfunded Liabilities
  - Rates
    - System rehabilitation costs
    - Climate change adaptation

NEXT STEPS ANALYSES

- Operations
  - Water Rights
    - CWD’s permit
    - “Area D” water
  - Groundwater Banking and SGMA
  - Regional Participation
An update on water issues that impact the Sacramento Region

**Registration is now open!** Click the image below to learn more and purchase tickets!

**REGIONAL WATER AUTHORITY**
**20TH ANNIVERSARY CELEBRATION**

**THURSDAY 7 OCTOBER, 2021**

5:00 p.m. to 7:00 p.m.

**SUTTER CLUB ROOFTOP**
1220 9th Street, Sacramento

PLEASE JOIN US AS WE CELEBRATE THE 20-YEAR ANNIVERSARY OF THE REGIONAL WATER AUTHORITY

*Special performance by world renowned artist David Garibaldi*

**Fun sponsorships are available!**

Including the opportunity to add an item to our **20th Anniversary Drought Survival Tool Kit**.

[Learn more about sponsorships here](#) or by contacting Wesley Fagundes at [wesley@mmsstrategies.com](mailto:wesley@mmsstrategies.com).
We want to know who you believe made a major impact on and contribution to the Regional Water Authority over the past 20 years.

Nominees could be a colleague or mentor, an RWA member or non-member, someone who is actively involved or retired—it’s up to you!

The list of honorees will be unveiled during the weeks leading up to RWA's 20th Anniversary event with the complete list announced at the event.

Nomination Guidelines

- Nominations must be made by an RWA member.
- Nominees do not have to be an RWA member.
- You can submit more than one nomination.
- **Nominations must be made through this form** [here](#).

_Nominations will be accepted through September 3, 2021._
July 15, 2021

The Honorable Rich Desmond
District 3
Sacramento County Board of Supervisors
700 H Street, Suite 1450
Sacramento, CA 95814

Re: American Rescue Plan Act (ARPA) Funding, Carmichael Water District

Dear Supervisor Desmond,

Thank you very much for taking the time to meet with us on Thursday, July 8, 2021 to discuss ARPA funding. We appreciate your time and consideration.

As we discussed, Carmichael Water District (District) was established in 1916 and currently serves 38,000 customers with American River as its primary water supply. The District obtained its water rights to the American River in 1915 and has almost used surface water exclusively since early 2000. The District experienced its first curtailment of its water rights in its 100-year history in the drought of 2014 and 2015 and was not able to take water from the American River for the entire summer from May 1, 2015 through November 2, 2015. This year, the District is curtailed again and is purchasing supplemental water from San Juan Water District. The District also has four (4) active groundwater wells for backup and for peaking purposes and actively participates in regional conjunctive use programs to “bank” groundwater by shifting its water supplies to surface water since early 2000.

With the action to preserve groundwater resources, the District assisted in maintaining contamination plumes emanating from the nearby superfund site and prevented contamination transport. However, with the intensification of drought conditions, increased frequencies for water rights curtailment, and dwindling surface water availabilities, the District anticipates the need for additional reliable groundwater supplies. Based on the current water demand, the District needs two additional groundwater wells supplying a total of 2,000 gallons per minute (GPM) with potential treatment facilities to remediate the contaminated groundwater for drinking water purpose.
The estimated cost for these new infrastructures is about $2,000,000 to $3,000,000. These costs will be borne by the District customers with increased water rates for a basic life necessity, and on behalf of the District’s Board of Directors we respectfully requests your favorable consideration for a portion of the ARPA funding the County has received. One of the ARPA funding goals is to “invest in necessary improvement to water, sewer, and broadband infrastructure” and the District’s proposed well project corresponds to the intent of ARPA. The District welcomes any further discussion of the proposed well project with County staff and the District appreciates any assistance you may provide.

We urge your support for ARPA funding for Carmichael Water District and we truly appreciate your time with us and any assistance you may provide. Please do not hesitate to contact Ms. Cathy Lee, General Manager at 916.483.2452 or cathy@carmichaelwd.org if you have any questions.

Sincerely,

Ron Greenwood
Division 4 Director

Cathy Lee
General Manager

cc: Ms. Ann Edwards, Interim County Executive, Sacramento, via email
Ms. Amanda Thomas, Chief Fiscal officer, Sacramento County, via email
Ms. Stacey Larsen, Managing Director, Deloitte, via email
Engineering Department Activity

Administrative:

Engineering Design Request for Proposal (RFP): Staff reviewed and evaluated the proposals for professional services for Engineering Design for the upcoming mainline replacement projects.

Capital Improvement Projects:

Corporation Yard Well: The proposed well project is eligible for the Drinking Water State Revolving Fund loan program administered by the State Water Resources Board (SWRCB) and the WaterSMART FY 2022 Drought Resiliency Projects (DRP) funding opportunity, administered by the Bureau of Reclamation (USBR). WaterSMART grant application is due on October 5, 2021 and staff is working on the applications.

Engle Road Well: Staff has engaged meaningful discussions with San Juan Unified School District (SJUSD) and thus far the discussions have been positive. SJUSD is working with staff to fast track a potential construction easement and land swap with the old Engle Well site, to the west approximately 1,700 feet on Engle Road.

Raw Water Pump Rehabilitation @ BWTP: Engineering staff to support Production and help prepare an RFP for bidding service to one raw water pump. RFP target advertisement date is October to coincide with low demand winter season. Staff report for recommendation of award is planned for November.

Ranney Collector Study: Engineering staff to support Production and help prepare an RFP for proposals for inspection, condition assessment, capacity determinations and maintenance recommendations for the Ranney Collectors. RFP target advertisement date is November to coincide with low flow season of the American River. Staff report for recommendation of award is planned for December. As October is the beginning of the low flow season, this will allow prospective bidders to get low flow preliminary site visit information to aide in bid preparation.

SCADA Upgrade Study: Engineering staff to support Production and help prepare an RFP for proposals to select a SCADA consultant to help prepare a project scope and bid package for a future SCADA Upgrade Project. The SCADA Upgrade Study RFP target advertisement is December. Staff report for recommendation of award is planned for January or February pending staff workload and availability.

Grant Avenue Main Line Project: Staff has approved final payment, less retainage for this project. Staff recommends approval and acceptance of Notice of Completion.

La Vista Tank and Booster Pump Station Project(s):

- La Vista Tank and Booster Pump Station: Staff is currently working with Design Engineer to procure final Sacramento County approvals and permits. The County is reviewing revised submittals at this time.
- Stanley Avenue Main Line Project: Project is under construction. Contractor to date completed an estimated 63% of the project. Staff is currently performing on-site inspections, County and customer coordination, and construction management activities.

New Construction Projects Activities:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Month</th>
<th>Fiscal YTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Flow Analysis</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>*Plan Check &amp; Review</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>New</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Ongoing</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>*Construction Phase</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>New</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Ongoing</td>
<td>8</td>
<td>-</td>
</tr>
</tbody>
</table>

*Note: New activities counts toward YTD. Ongoing counts are for tracking purposes only.
Plan Check and Review:

<table>
<thead>
<tr>
<th>Project Location</th>
<th>Project Description</th>
<th>Status/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2812 Clark Ave</td>
<td>Construction of new 6&quot; watermain, 1 new fire hydrant, and 1 new service.</td>
<td>Staff is working with the Designer on plan review comments.</td>
</tr>
<tr>
<td>4406 Barrett Rd</td>
<td>Construction of 1 new service.</td>
<td>Staff is working with the Designer on plan review comments.</td>
</tr>
</tbody>
</table>

Construction Phase Activities:

<table>
<thead>
<tr>
<th>Project Location</th>
<th>Est. Start Date</th>
<th>Project Description</th>
<th>Status/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5057 Cottage Way</td>
<td>Apr. 2020</td>
<td>Construction of new 10&quot; fire service line, 2 fire hydrants, and 2 new services.</td>
<td>Staff is working with Developer to procure the dedicated watermain easements to close out a portion of the project.</td>
</tr>
<tr>
<td>5124 North Ave</td>
<td>May 2020</td>
<td>Construction of new 6&quot; watermain, 1 fire hydrant, and 4 new services.</td>
<td>Watermain has been installed, tested, tied in and is now in active service. Staff is awaiting Developer to request service installation.</td>
</tr>
<tr>
<td>4925 Dewey Dr</td>
<td>May 2020</td>
<td>Construction of new 8&quot; fire service line and 2 fire hydrants.</td>
<td>Staff is performing on-site inspection during construction and coordinating testing, and tie-in activities.</td>
</tr>
<tr>
<td>8015 Fair Oaks Blvd</td>
<td>Mar. 2021</td>
<td>Construction of new 8&quot; watermain, 1 fire hydrant, and 22 new services.</td>
<td>Watermain has been installed, tested, tied in and is now in active service. Staff is awaiting Developer to request service installation.</td>
</tr>
<tr>
<td>2825 Randolph Ave</td>
<td>July. 2021</td>
<td>Construction of new 6&quot; watermain, 1 fire hydrant, and 3 new services.</td>
<td>Staff is reviewing material submittals and schedule for construction.</td>
</tr>
<tr>
<td>8945 Fair Oaks Blvd</td>
<td>Mar 2021</td>
<td>Construction of new 8&quot; watermain, 1 fire hydrant, and 8 new services.</td>
<td>Watermain has been installed, tested, tied in and is now in active service. Staff is awaiting Developer to request service installation.</td>
</tr>
<tr>
<td>4243 Barrett Rd</td>
<td>Aug./Sept. 2021</td>
<td>Construction of new 8&quot; fire service line, and 8 new fire hydrants.</td>
<td>Staff is working with Contractor and Developer on reimbursement agreement, materials submittals and pre-construction meeting.</td>
</tr>
<tr>
<td>9047 Fair Oaks Blvd</td>
<td>Sept. 2021</td>
<td>Construction of 1 new service line and relocation of 1 existing service line.</td>
<td>Staff is working with Contractor and Developer on materials submittals and pre-construction meeting.</td>
</tr>
</tbody>
</table>
Public Outreach:

Upcoming Events:
- **2021 Mulch Event** – On September 25, 2021, the District will participate along with neighboring regional water agencies, in the 2021 Mulch Mayhem Event. Free water-saving mulch will be available to local residents while supplies last. This water saving event is designed to help District customers slow landscape water evaporation, moderate soil temperature, and keep trees healthy during drought conditions.

Website Updates:
- Announcements, Board Updates, Conservation, Water Shortage Updates

Social Media:
- The District’s Nextdoor drought messaging posts received 1,081 views.

State Water Resources Control Board (SWRCB) Water Use Reduction Monthly Reporting: On April 21, 2020, the SWRCB adopted a resolution permanently requiring monthly water conservation reports for urban retail water suppliers, effective October 1, 2020.

Utilizing the SWRCB existing formula, staff calculated the following data for August 2015 to July 2021 (reduction are calculated with 2013 as the base comparison year):

<table>
<thead>
<tr>
<th>R-GPCD</th>
<th>Monthly Reduction</th>
<th>Cumulative Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>279</td>
<td>19%</td>
<td>21%</td>
</tr>
</tbody>
</table>

Stage 2 Water Shortage Outreach: As part of implementing conservation measures under the Stage 2 Water Shortage Emergency Declaration, staff conducted the following outreach and messaging activities in July 2021:

- Participated in on air interviews with KCRA 3 news and KTXL FOX 40 news. The reports centered on water shortage restrictions and enforcement actions.
- Posted drought messaging on social media.
- Updated the District’s website to reflect a 15% water saving requirement.
- Implemented Water Waste Patrols utilizing a local security patrol company. Patrols are scheduled to continue weekly until the end of August at which time staff will evaluate the program effectiveness.
- Met with Carmichael Recreation and Park District (CRPD) to coordinate their response to drought conditions. CRPD has implemented operational water saving measures such as adjusting or eliminating irrigation to some park spaces. CRPD has also offered to help the District with outreach messaging utilizing their social media and website platforms.
- Met with Mission Oaks Recreation and Park District (MORPD). MORCP has modified their watering schedule, reducing runtimes and forgoing weekend irrigation at the two parks served by the District.
- Added water shortage condition messaging to July billing statement.

As a follow up to the June billing insert, and District newsletter, staff is currently developing a direct mail postcard to further enforce drought messaging.

Water Efficiency Activates: Water waste activities continued to increase for July 2021. Staff responded to 85 water waste reports. This is the highest amount of water waste reports for a single month since November of 2015. Comparatively, the District responded to 9 water waste reports in July of 2020. Water waste reports are generated through customer calls, online reports, staff observation, and water waste patrols.

<table>
<thead>
<tr>
<th>Outreach And Water Efficiency Activities</th>
<th>July</th>
<th>FYTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Outreach Events</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Water Waste</td>
<td>85</td>
<td>85</td>
</tr>
<tr>
<td>Water Waste Fines</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Customer Assistance</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>Water Efficiency Surveys</td>
<td>31</td>
<td>31</td>
</tr>
</tbody>
</table>
Billing Department Activity

In the month of July, half the District transitioned to monthly billing; staff has received an overall positive response from District customers to this change.

**Billing:** Currently tracking at approximately 11% up from the same Billing Month last year.

<table>
<thead>
<tr>
<th>Billing Month</th>
<th>Billing Period</th>
<th>Usage By Unit *</th>
<th>Flat Rate **</th>
<th>Service Charge</th>
<th>Usage</th>
<th>FY 20-21 Total FY 21-22 Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous FY</td>
<td>$12,893,439</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$1,468,976</td>
</tr>
<tr>
<td>Aug-2021</td>
<td>July</td>
<td>480,104</td>
<td>$ 39,357</td>
<td>$ 603,840</td>
<td>$ 825,779</td>
<td>$ 1,468,976</td>
</tr>
<tr>
<td>Sep-2021</td>
<td>Aug</td>
<td>0</td>
<td></td>
<td></td>
<td>$ -</td>
<td>-</td>
</tr>
<tr>
<td>Oct-2021</td>
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<td>$ 39,357</td>
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<td>$ 825,779</td>
<td>$ 12,893,439</td>
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* 1 Unit = 100 CCF (Centum Cubic Feet) = 748 Gallons

** Ancil Hoffman-Flat Rate, Condominium’s-Uniform Rate, Fire-Dedicated Service Lines

**Note:** Billing chart represents cycle billings only and does not include collection or adjustment activities.

Collections: Processed & Outstanding Activity

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<th>Date</th>
<th>Final Notices</th>
<th>Shut Offs</th>
<th>A/R $</th>
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X = COVID-19 Executive order shutoff moratorium.
**Bulk Water Chemical Delivery – Bajamont Water Treatment Plant**

**CWD Monthly Water Production 2014-2021**

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<th>FY</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
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<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
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<th>Acre/Ft</th>
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<td>2020-21</td>
<td>408.04</td>
<td>402.05</td>
<td>336.66</td>
<td>294.53</td>
<td>188.58</td>
<td>140.24</td>
<td>125.19</td>
<td>110.64</td>
<td>145.91</td>
<td>237.20</td>
<td>332.59</td>
<td>371.58</td>
<td>382</td>
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<td>378.84</td>
<td>381.60</td>
<td>314.85</td>
<td>259.58</td>
<td>201.55</td>
<td>122.39</td>
<td>113.09</td>
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<td>361.56</td>
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<td>111.84</td>
<td>96.07</td>
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<td>158.03</td>
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<td>129.07</td>
<td>113.92</td>
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<td>Avg.</td>
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<td>357.82</td>
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<td>10.86</td>
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</table>

**CWD Combined Surface & Ground Water Usage**

- **Surface Water**
- **Groundwater**

![Graph showing CWD Combined Surface & Ground Water Usage over time from Jul-19 to Jul-21]
### June CWD Total Production

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Surface Water</td>
<td>35%</td>
<td>133.77 MGD</td>
</tr>
<tr>
<td>Groundwater</td>
<td>65%</td>
<td>248.01 MGD</td>
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<table>
<thead>
<tr>
<th>Production</th>
<th>Up/Down</th>
<th>Month</th>
<th>Up/Down</th>
<th>7 Year Running Average</th>
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<tbody>
<tr>
<td>Production from same month last year</td>
<td>Down</td>
<td>6%</td>
<td>Up</td>
<td>3%</td>
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<td>July 2021 Average Daily Production</td>
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<td>12.31 MGD</td>
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<td>Peak Day – July 10th</td>
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<td>13.40 MGD</td>
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**GSWC Delivery:** CWD delivered 136 MG or 419 Acre/Ft to GSWC in July.

There were six (6) water quality complaints in the month of July.

**Water Quality Activity**
- ✓ Taste & Odor: 3
- ✓ Color: 0
- ✓ Turbidity: 2
- ✓ Low Pressure (Air): 1

**Backflow Devices Tested**
- ✓ Tested: 41
- ✓ Failed Tests: 2

**Maintenance Activity**
- ✓ Primary CIP: 4
- ✓ Primary Calibrations: 8
- ✓ Secondary CIP: 3
- ✓ New Raw Water pH Probe Installed
- ✓ Barrett Sch Telemetry Repair
- ✓ Barrett Sch UPS Replacement
- ✓ Actuator Rebuilds: 4

**CWD Water Production Department Monthly Highlights:**

**Barrett School Telemetry Antenna Replacement:** Production Staff replaced the telemetry antenna at Barrett School Well. The antenna was damaged when a branch broke from the valley oak tree that is within the fenced property boundary. Staff was able to replace the antenna in short order using an antenna that was in CWD stock. The shade structure that provides protection to the MCC panel was also damaged. Production staff plans to repair the shade structure in August.
Membrane Replacement: Production Staff is in the process of replacing 180 membranes (Two full 90 Block Skids). The replacement project is part of the Production Department’s planned CIP budget. The average life span of an individual membrane at BWTP is approximately 12 years. The Production Staff staggers the replacements so that downtime is minimized. This maintenance evolution will take approximately two weeks to complete.
Remanufactured rammer compactor mount for the new dump truck, installed by staff.

### Capital Improvements/Replacements
- Service Line: 18
- Fire Hydrant: 1
- Main Line Valve: 3
- New Construction Meters: 01

### O and M Repair Work
- Service Line: 3
- Fire Hydrant: 2
- Main Line: 1
- Meter Boxes: 3
- Main Line Valve Boxes: 1
- Meter Change Out: 31
- Registers Change Out: 1

### Customer Assist
- Call Outs: 69
- Private Repairs: 27
- Water Waste: 6
- Lock/Unlock: 0
- High Pressure: 2
- Low Pressure: 1
- USA’s: 197

- The Sacramento County Asphalt Overlay Projects that included El Camino Ave, Marconi Ave, Robertson Ave, California Ave and Charleston Ave have been completed. District staff are currently locating the existing main line valve boxes in which the District’s paving contractor will raise to finish grade and pave.

- Arden – Arcade & Carmichael Sidewalk & Street Lights: This Sacramento County project will install curb, gutter, sidewalk infill, ADA curb ramps, and street lighting at the intersection of El Camino Ave and Fair Oaks Blvd. Construction was scheduled to start in May 2021 but has been delayed. District staff will need to relocate some of the facilities within the project limits after construction has taken place.
The Drainage & Water Supply Design Section of the Department of Water Resources is currently in the preliminary design stage of the North Ave/Candace St Drainage Improvement Project. The project proposes to install new drainage inlets, manholes, and pipe on North Ave from Candace St to Max Ct in Sacramento County.

Unauthorized Commercial and Residential Water Use

Unauthorized water use ranges from the seemingly harmless neighbor borrowing your hose to water his garden at night to full-fledged crooks who pilfer thousands of gallons at the owner's expense.

A Florida resident is on the hook for a $2,500 water bill at a Cape Canaveral home she inherited from family this summer. While the home sat unoccupied, someone made off with 186,000 gallons of water, enough to fill nearly 20 swimming pools. And when the city found her water meter to be in proper working order, she wound up fronting the entire bill.

With a large homeless population in the Carmichael area, home owners, businesses and tenants are also reporting unauthorized use of water.

Apart from asking relatives or friends to check on property left unattended, the simplest way to prevent water theft is to invest in locks for all your outdoor spigots.

Hose bib locks are designed to secure a faucet from unauthorized tampering and water theft. Many locks fit three-quarter inch (¾”) garden hose thread faucets and are perfect for securing vacant homes, winterizing, or any time you want to have full control of water use from your hose bib.

Hose bib locks are small, inexpensive, easy to install, and can be found at most local home improvement stores and online.
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# BOARD OF DIRECTORS

## JULY 2021

### MEETING ATTENDANCE

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<th>GREENWOOD</th>
<th>SELSKY</th>
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### EXPENSE COMPENSATION/REIMBURSEMENT

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### FISCAL YEAR 2021-2022

#### SUMMARY

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Could California handle another year of drought? State officials weigh in on current situation

Officials expect record low water levels across the state, especially for Oroville and San Luis Reservoir. But what do they expect for next year?

In a multi-agency meeting on the state of California’s drought conditions, state officials painted a broader picture on water allocation, lack of available water and what the Golden State is facing in the months and years to come.

Officials expect record low water levels across the state, especially for Oroville and San Luis Reservoir. Jeanine Jones with the California Department of Water Resources said the state is at 58% of average reservoir storage as a whole for this time of year. As of Monday, Aug. 9, Lake Oroville came in at 34% of average and Folsom Lake came in at 35% of average.
The lack of storms from atmospheric rivers and massive snow pack run-off is to blame for the lack of water in reservoirs. The soils were so dry, the little water California received, in terms of snowpack, was unable to seep into the ground.

“If next year is bad, we will need 140% of average precip to get average run off. It shows how truly dry we are,” Jones said.

Climatologists say it’s too early to tell if it’s going to be a wet or dry year during winter time circulations. A lot of what happens is affected by the jet stream.

In 2011, storms from the Gulf of Alaska helped to provided better snowpack. The 2018-19 water year was also better than average, but since then, it’s been below average water and drought years.

The big focus now is on underground storage basins.

“Drinking water aside, small water systems are really affected," Jones said. "Problems are private wells and dry wells with small systems in Tulare County may only have 100 connections or less."

The lack of water in reservoirs is trickling down to other issues, like the energy grid, agriculture communities and state recreation parks.

Robert Cervantes, the enforcement program manager for the Division of Water Rights, said a hydro-analysis was performed in May, showing supply and demand calculations across California’s watersheds. This led to an informational meeting and letters sent out to priority water rights holders, letting them know there would not be enough water to meet the demand. For many farmers, this meant they would need to decide on which crops to grow and even if they would need to fallow land.

“These curtailment orders weren’t taken lightly," Cervantes said. "They impact real people with businesses. What the orders mean is that we’re taking formal action to reduce the amount of water legally available for diversions.”

The energy grid is another victim of limited water supply and drought. The hydro power production at Oroville has been officially turned off because water supply dipped to low to produce energy.

Arguably, those dealing with the worst drought conditions are firefighters.

"We track fuel moisture, live and dead. April and May fuel moistures were a month and a half drier than we normally see," Matthew Reischman with Cal Fire said.

Reischman added they’re seeing a 123% increase in acres burned compared to 2020.
“We’re not anticipating any rain for months to come,” Reischman said. "California doesn’t have a fire season anymore. It’s year round."

As more people head outdoors to state parks, recreation areas and beaches, Armando Quintero with California Parks and Recreation says they are now forced to implement water saving techniques and technology during this drought situation.

“The daily demand for water is exceeding the water source output, and as a result, Mt. Diablo State Park has shutdown all public access faucets throughout the park. And other parks are implementing a variety of water conservation efforts” Quintero said.

Until some solid storms with enough moisture come through, climatologists say they’re going to need to plan for better ways to store water when it comes.

“The good news is we have a lot of storage available to put water into when it does occur,” Jones said.
The drought is different this time. Everyone in the Sacramento region must conserve water

BY RALPH PROPPER AND TOM GRAY
SPECIAL TO THE SACRAMENTO BEE

California is in the grip of another extreme drought. The consequences can be seen all over the Sacramento region and, unfortunately, the worst is yet to come.

We expect to see water levels in the American River this fall that may reach historic lows. This will be difficult not only for people who enjoy recreating in our scenic river corridor, but also for the salmon, steelhead and other native species that need water to survive and reproduce.

That’s why we’re urging everyone in the Sacramento region to start conserving water in earnest.

Earlier this year, local water providers urged residents to set a 10% water conservation goal. In line with Gov. Gavin Newsom’s recent announcement, we’re now calling for 15% conservation, and some, like the Fair Oaks Water District, are asking for more. This is a voluntary goal, but one we hope you’ll take seriously.

Water conservation is nothing new for the capital region. During the most recent drought of 2014-16, residents slashed water use by 25% on an annual basis — one of the deepest cuts achieved anywhere in the state. Most importantly, we achieved a large share of this reduction in the hot summer months, a difficult time to conserve.

It’s only five years later, and we’re asking you to do it again. This time, the cause is somewhat unexpected. Yes, we’ve had two dry winters in a row. But this year, with worsening climate change, we have even less water than many experts anticipated.
OPINION: The drought is different this time. Everyone in the Sacramento region must conserve water

Learn about WaterFuture, RWA's portfolio of solutions to address climate change here.

Ralph Propper is president of the Environmental Council of Sacramento, and Tom Gray is general manager of the Fair Oaks Water District.

The Regional Water Authority is a joint powers authority that serves and represents the interests of two dozen water providers and affiliated agencies in the greater Sacramento area. Its primary mission is to help members protect and enhance the reliability, availability, affordability and quality of water resources. Learn more at www.rwah2o.org.

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