# ARVIN-EDISON WATER STORAGE DISTRICT

## REPORT OF DISTRICT OPERATIONS

## April 2022

***District Headquarters Solar Construction Nearing Completion***


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# WATER SUPPLY

## Friant Division Central Valley Project (CVP)

- The 2022 Water Year allocation is 15% which amounts to 6,000 AF.
- Exhibit “A” provides additional supply information for 2022 Water Year supplies.

## San Joaquin River (SJR) Restoration Program (SJRRP)

- The 2022 Runoff Year is estimated at 1,169,000 AF of natural river runoff in the SJR watershed, which is a “Normal-Dry” year type pursuant to SJR settlement and accordingly, the SJRRP would receive a 245,528 AF of water supply.
- Given a “Normal-Dry” year type there is likely no Unreleased Restoration Flows or Recapture/Recirculation opportunity (no additional supplies).
- District’s RWA credit beginning balance is approximately 90,630 AF (subject to reconciliation and staff review). RWA credits allow the District to purchase water for $10/AF during wet periods when RWA water is declared (no opportunity in 2021).

## Shasta System CVP

- The 2022 allocation for south of Delta Ag remains at 0%.

## State Water Project (SWP)

- The 2022 Table A allocation remains at 5%.

## Kern River

- 2022 supplies are currently estimated at 3% of average.

## Water Bank Facilities

- Given limited initial surface supply allocations, heavy reliance on wellfields and previously banked water is expected for the 2022 Water Year (93,700 AF).

## Metropolitan Water District (MWD) Program

- MWD beginning balance is 119,127 AF in water bank reserves.
- The District obtained its twelfth consecutive year approval from the State Water Resources Control Board regarding a Petition for a Consolidated Place-of-Use (CPOU), which now expires on July 15, 2022.
- The CPOU petition includes the ability to exchange all types of Arvin-Edison supplies with MWD including unbalanced exchanges.
- The District’s 10-year NEPA documentation is complete and approved until March 21, 2024.
- District has begun communicating with MWD staff regarding 2022 call on the program for surface supplies.

## Rosedale-Rio Bravo Water Storage District (RRBWSD) Program

- The District’s 2022 beginning account balance for water held in RRBWSD is at 54,461 AF.
- District anticipates receiving 10,000 AF from the program to supplement other surface water supplies
- Districts executed a “2022 Use of CVC/FKC Intertie Agreement” for the RRBWSD-Delano Earlimart banking program. A similar agreement for 2022 is proposed.

### Kern Delta Water District (KDWD)

- Staff continues meeting with KDWD staff to advance water management opportunities including joint partnership in groundwater recharge facilities and interconnection facilities between Forrest Frick Pumping Plant Discharge Pipeline and the Eastside Canal.
- AEWSD-KDWD-RRBWSD executed a 2022 operational exchange in which AEWSD's 10,000 acre-feet from RRBWSD would be delivered via KDWD from April through September.

### District Partnerships

- The District has participated in water management programs with the following districts/agencies in Water Year 2022:

Cawelo Water District
Chowchilla Water District
Del Puerto Water District
Delano-Earlimart Irrigation District
Exeter Irrigation District
Fresno County
Ivanhoe Irrigation District
Kern Delta Water District
Kern Water Bank
Lindmore Irrigation District
Lindsay-Strathmore Irrigation District
Orange Cove Irrigation District
Rosedale-Rio Bravo Water Storage District
San Joaquin River Exchange Contractors
San Joaquin River Restoration Program
Stone Corral Irrigation District
Tea Pot Dome Water District

## WATER DEMAND

- District surface water deliveries for the month were 12,009 AF (1% below average)
- The following is a summary of surface water deliveries for April 2022:

| | April 2022 | | Year to Date | |
|---|---|---|---|---|
| | Historical | 2021 WY | Historical | 2021 WY |
| Turnout Deliveries | 12,127 | 12,009 | 19,334 | 18,384 |
| In-Lieu Deliveries | - | - | - | - |
| Temporary Water | - | - | | - |
| Spreading | - | - | - | - |
| Total | 12,127 | 12,009 | 19,334 | 18,384 |

- Exhibit "B" illustrates the delivery data
- The month's peak daily in-District demand was 371 cfs, which occurred on the 29th
- Exhibit "C-1" details Canal Water Quality information
- Exhibit "C-2" presents the Aquatic Pest Control Treatments ($30,700) for Calendar Year 2022

# GENERAL

- District vehicles consumed an estimated 4,500 gallons of fuel during the month (average fuel efficiency of 11.0 mpg)
- There were 421 hours lost due to illness (including COVID-19 hours) and 256 hours lost due to on-the-job injuries with one (1) employee out on Workers' Compensation Claim
- Exhibit "D" highlights precipitation, temperature, and wind speed
- Exhibit "E" summarizes energy consumption and power demand to date and for Water Year 2022 it is expected to generate an electrical demand of approximately 138 million kilowatt hours
- Exhibit "I" list various meetings for Directors, Management, and Engineering staff

# ENGINEERING DEPARTMENT ACTIVITIES

## Routine Activities

- Review and accounting of District's water supply and related contracts
- Administration or proposals of water management and wheeling agreements
- Groundwater level surveys and associated exhibits
- Water quality testing
- ArcGIS database updates and maintenance (facilities, water service areas, boundaries, etc.)
- Inspection/evaluation and/or repair of cathodic protection rectifiers and test stations
- CIMIS station management (https://cimis.water.ca.gov/Stations.aspx)
- Land use/crop surveys with data entry
- Monthly/annual reports regarding water deliveries, water use, and energy use

## Grants & Funding Opportunity Updates

- District **was awarded** 2020 USBR WaterSMART grant application for the Forrest Frick Pipeline/Eastside Canal Intertie at $500,000 (with a $500,000 local cost share) and a grant contract was executed; the cultural portion for the NEPA Categorical Exclusion has been completed and executed.
- NRCS landowner incentive programs assist with implementing various conservation activities, including but not limited to, irrigation system improvements, filtration needs, water/nutrient/pest management, and engine replacement:
    - Phone (661) 336-0967
    - Website (www.ca.nrcs.usda.gov)
- North West Kern Resource Conservation District provides discounted on-farm irrigation distribution uniformity and efficiency testing
    - Phone (661) 281-2746
    - Website (http://northwestkernrcd.org)

## Other Activities

- Administration and accounting of on-going water management programs
- Technical support and review of ongoing projects/studies such as:
    - Sunset Groundwater Recharge Facility (w/Kern Delta WD)

        - Coordinating power extension (PG&E, contractors, consultants)
        - Pump station and pipeline design coordination
    - Forrest Frick and Eastside Canal Intertie (w/ Kern Delta WD)
        - Completed environmental compliance with USBR
        - Working with PG&E on facilities extension for new service
        - Draft O&M agreement pending approval
        - Finalizing plans to go out to bid
    - Potential Interconnections (w/ Wheeler Ridge-Maricopa WSD)
        - Coordination with both Districts' staff continued to deliver District water into the 850 Canal, which will ultimately be delivered back into AEWSD overlap lands with Wheeler-Ridge
    - Pump Replacement Program
        - Staff continues to make progress on phase 2 of the program
    - Turnout Modification Requests
    - Temporary and/or In-Lieu Water Service Contract Requests
        - Freedom Farms
    - Cathodic protection system upgrades
    - Pump Efficiency Testing
        - As needed for replaced pumps
    - Real Time Water Quality Monitoring
        - Remote connection for data access completed and website display is in progress
    - Intertie Pipeline Inspection
        - Coordinating potential use of pipeline diver tool with Xylem
    - Groundwater Metering
        - Coordinate warranty repairs with Manufacturer
    - 123 TCP Treatment Plant Facilities RFP
    - Standtank Painting
        - Reviewing received bids

## SGMA Activities

- Continued coordination meetings and outreach activities
- Continued review of well permits and submitted comment letters to those within or near AEWSD
- Attended various GSA meetings
- Development of a potential Well Mitigation Policy
- Development of County's "Proof of Water" Policy
- Evaluate various Water Budget methodologies
- Development of a customized model for the Arvin Management Area (MODFLOW)
- Submit WWGSA First Annual Report
- Submit Multi-Benefit Land Repurposing Program Grant Application for WWGSA and prepared for Grant Interview
- Submit Notice of Intent to Withdraw from KGA
- Submit Notice of Intent to Adopt South Kern GSP
- Amended discrepancies within Data Management System (DMS)

## Requests for Information/Easements/Planning Notices

- Water supply
- Water costs

- Historical groundwater levels
- Monitoring well conversions
- Water quality
- Land use data
- Easements and/or right-of-way encroachments
    - Shell Oil (Intake Canal)
    - Quad Knopf development (Intake Canal)
    - City of Bakersfield (Intake Canal)
    - Kern Delta Water District (Intake Canal)
- Reviewing/responding to multiple planning notices
    - Kern County (various developments/potential facility conflicts)
- Reviewed/responded to environmental documents, as necessary

### Power Related Activities

- Assisted PWRPA consultants with
    - Power coordination and monitoring
    - PWRPA invoice and demand data changes
    - Monthly billing anomalies/meter reconciliations
    - Load forecast updates and rate analysis
    - Contract demand analysis
    - WDT 3 impact review
    - Power accounting report
    - Renewable Portfolio Standards review
- PG&E Power Safety Public Shutoff coordination
- Coordinated meter database changes with PG&E
- Reviewed long-term power management activities
    - Continued investigation of low head hydro potential (Intake Canal)
    - District Headquarters Solar construction coordination
        - Currently under construction and completion is anticipated by May 2022
    - Reviewed available local solar renewable energy certificates to Western Renewable Energy Generation Information System (credits to be used by District/PWRPA)
    - Review and coordinate Demand Response Program
    - MWD power correspondence review
    - District Power Master Planning and MicroGrid investigations
    - Forrest Frick Pumping Plant load capacity coordination
- Coordinate long term power analysis for Sunset GW Recharge Facility
- Calendar Year and Water Year power reconciliations and summaries
- Groundwater Service Program
    - Monthly invoicing and program coordination

## SPREADING WORKS OPERATIONS (WELLFIELDS AND BASINS)

- Exhibit “F” summarizes wellfield production, which totaled12,119AF for the month
- Exhibit “G” summarizes gross direct spreading of 0 AF for the month
- Exhibits “H-1” and “H-2” summarize current static and/or pumping water in table and graphic forms

Following is a summary of repairs associated with “active” District wells:

| Field | Well # | Year | HP | Reason | Work |
|---|---|---|---|---|---|
| Sycamore | 2 | 1967 | 300 | Low Production and Excess Vibrations | Pulled equipment, replacement pump install to be scheduled |
| Sycamore | 17* | 1967 | 300 | Low Production Excess Vibrations | Pulled and inspected equipment, replacement pump installed, startup scheduled |
| Sycamore | 21 | 1970 | 300 | Low Production | Pulled equipment, evaluating options |
| Tejon | 77* | 1966 | 300 | Excess Vibrations | Pulled equipment, replacement pump installs to be scheduled |
| Tejon | 78 | 1966 | 300 | Low Production | Pulled and inspected equipment, pump install to be scheduled |
| Tejon | 83 | 1970 | 300 | Excess Vibrations | Pulled and inspected equipment, replacement pump installed, startup scheduled |
| Tejon | 95 | 1998 | 300 | Low Production and Excess Vibrations | Equipment pulled, video, replacement pump install to be scheduled |

***Back in Service**

- Seven (7) out of 86, or 8%, of District wells are currently out of service and consultants are reviewing repair options
    - Two (2) long-term failures in Sycamore 34 and Tejon 91
    - Five (5) see above table

## OPERATIONS DEPARTMENT ACTIVITES

***On Site for Underground Service Alert Dig (Lateral S73)***

***Preparing for Well Startup (Tejon Well 77)***

## Routine Activities

- Operate and monitor the District's water distribution and delivery systems including canals, ponds and reservoirs
- Conducted monthly safety meetings
- Inspected control systems at pumping plants (transducers, Cla-valves, battery back-ups, etc.)
- Assisted personnel in the repair, replacement, and/or maintenance of facilities on an as-needed basis for the following items:
  - Replaced flowmeter batteries (turnouts and wells)
  - Flushed and cleaned various turnouts and appurtenances
  - Greased turnout valve operators
  - Maintained weed control (pumping plants, turnouts, air vents, and isolation valves)
  - Changed lights and panel bulbs (as needed)
  - Inspected/replaced water quality warning labels at turnouts
  - Cleaned and/or replaced air-chamber sight glasses
  - Replaced missing locks and chains (canal gates and turnouts)
- Staff performed end-of-month meter readings at Interties, Wells, Turnouts, and Pumping Plants (power)

## Additional Activities

- Transition into wellfield operations
- Train personnel for water patrol during the prorate period
- Replace leaking air vents on discharge manifolds (Wellfields)
- Respond to standtank overflow (N55-P3 and S38-P2)
- Isolate and flush flow various gravity turnouts
- Reset displaced isolation valve concrete rings (North and South side)
- Clear out turnout base isolation valves (North and South side)
- Responded to various Pumping Plant alarms (reset and primed laterals)
- Review and edit updated Facilities Guidebook
- Prepare trucks for trade-in and setup new trucks
- Located various buried isolation valves for marking (Underground Service Alert)

## Underground Service Alert (USA) Report

- District initiated 4
- Responded to 156 USA notices to locate District underground facilities
  - 26 required markings of District facilities
  - 37 were renewals
  - 89 with no conflicts

## Power Outages and/or Interruptions Involving the Following Systems

- Laterals N55 and S73

## Laterals Prorates (number of days)

- N24 (1), N41 (2), S38 (7), and S93 (4)

# MAINTENANCE DEPARTMENT ACTIVITIES

***Repairing Fence (South Canal)***

***Mowing (Tejon Spreading Works)***

## Routine Activities

- Aquatic and terrestrial weed control (South Canal)
- Routine gardening and maintenance at Headquarters and CIMIS station
- Fence and gate repair (Intake Canal, Balancing Reservoir, and South Canal)
- Grading (near S38-P1)
- Discing (Balancing Reservoir and Tejon Spreading WOrks)
- Mowing (Sycamore and Tejon Spreading Works)
- Cleared out forebays (North and South Canal)
- Assisted other Departments as needed (Operations and Pump Shop)
- Conducted monthly safety meeting

## Additional Activities

- Install new 24” slide gate (North Canal Spreading Works)
- Take trucks in for upholstery repairs and prepare for trade-in
- Install dry erase board (Bakersfield Office)
- Clean up yard and haul scrap metal and plastic bottles (spray department) to the recycler
- Trimmed trees (Tejon Spreading Works)
- Prepared and painted various facilities
    - Pumping plants (N41-P1, N41-P2, and N55-P2)

## Mechanic’s Shop Repair Activities

- Routine weekly inspection on the fuel tank, gas pumps, and generator
- Fleet repairs/replacement parts

| Part | Repair/Replaced | Part | Repair/Replaced |
|---|---|---|---|
| Brakes | 5 | A/C Compressor | 1 |
| Tires | 8 | Headlights | 1 |
| Tire Repairs | 4 | Tail Lights | 3 |
| Rotors/Drums | 2 | Wiper Blades | 8 |
| Batteries | 3 | Cabin Filter | 2 |
| Fuel Filters | 5 | Trailer Lights | 1 |

- Heavy Equipment Repairs
  - Repaired tail lights (dump truck)
  - Repaired marker light (Water Truck)
  - Replaced blades (rotary cutter)
  - Replaced gangs (disc)

# PUMP DEPARTMENT ACTIVITIES

***Replacing Failed Motor (Sycamore Well 31)***


***Removing Pump for Repairs (N26-P1)***

## Routine Pump Maintenance Activities

- Replacing pump packing
- Pump bearing lubrication at various pumping plants
- Maintain drip oil on District Wells
- Inspection and maintenance of air compressors
- Inspection and/or adjustment of travelling water screens/moss screens.

## Additional Activities

- Continued working with Engineering Department on Pump Replacement Program
  - Continued pilot testing for Phase 2 (horizontal pumps)
- Coordinated with consultants on various well repairs

# PUMP & MOTOR REPAIR SUMMARY

| | Pumping Plant/Wells | Unit | Size | Time/Hours | Reason |
|---|---|---|---|---|---|
| Vertical Pumps | N26-P1 | 1 | 100 CFS | N/A | Damaged impeller and worn bushings |
| Vertical Motors | N8-P1 | 3 | 200 HP | 8,970 | Burnt motor leads |
| | North Well | 22 | 600 HP | N/A | Failed windings |
| | Sycamore | 5 | 350 HP | N/A | Damaged upper bearing |
| | Sycamore | 9 | 300 HP | N/A | Damaged thermistor |
| | Sycamore | 15 | 300 HP | N/A | Damaged upper bearing |
| | Sycamore | 31 | 350 HP | N/A | Damaged thermistor |
| Horizontal Pumps | N55-P5 | 2 | 5 CFS | 4,750 | Damaged sleeves |
| Horizontal Motors | N55-P2 | 5 | 200 HP | 16,380 | Burnt windings |

# CONTROLS DEPARTMENT ACTIVITIES

## Routine Activities

- SCADA/radio maintenance or troubleshooting
- Monthly and annual inventory
- Testing and repair/replacement of distribution system and well facility electrical components as needed

| Component | Replaced/Repaired | Component | Replaced/Repaired |
|---|---|---|---|
| Starter Contacts | 1 | Softstart | 1 |
| Contact Blocks | 2 | Fuses | 3 |
| Hour Meters | 1 | Coils | 1 |
| Trip Units | 1 | Transducers | 1 |

## Additional Activities

- Programming for SCADA and radio system updates and monitored performance
- Worked with consultants on cybersecurity upgrades
- Worked with consultants to repair upstream canal water level sensor (North Canal Spreading Works)
- Worked with Consultants to repair oil sensors (FFPP Unit #6)

# FORREST FRICK PUMPING PLANT

- 1,554 AF of water was pumped during the month
- Consultants are designing reverse flow facilities into the Intake Canal to assist in regulating wellfield production during shoulder months to increase peaking water supplies

# INTERTIE PUMPING PLANT

- There was no import (gravity delivery) or export (pumped delivery) of water (0 AF) through the Howard Frick Pumping Plant/Pipeline

**EXHIBIT "A-1"**

ARVIN-EDISON WATER STORAGE DISTRICT

# 2022 WATER SUPPLY AND DEMAND

| ***SUPPLY*** | | ***AF*** | ***%*** |
|---|---|---|---|
| **FRIANT-KERN (F-K)** | | | |
| CARRYOVER OF 2021 WATER | | 6,317 | |
| 15% OF 40,000 AF CLASS 1 | | 6,000 | |
| 0% OF 311,675 AF CLASS 2 (Uncontrolled Season)/RWA | | 0 | |
| 0% OF 311,675 AF CLASS 2 | | 0 | |
| URF TIER 2 BLOCK 1 | | 2,000 | |
| PRIORITY URF | | 5,600 | |
| | SUBTOTAL | 19,917 | |
| FRESNO COUNTY | | -600 | |
| SJRRP RETURN | | -3,500 | |
| DELANO-EARLIMART ID | | -1,900 | |
| EXETER ID | | -350 | |
| IVANHOE ID | | -325 | |
| LINDMORE ID | | -100 | |
| LINDSAY-STRATHMORE ID | | -225 | |
| ORANGE COVE ID | | -50 | |
| STONE CORRAL ID | | -50 | |
| TEA POT DOME WD | | -200 | |
| | TOTAL F-K | 12,617 | 10.5% |
| **CROSS VALLEY CANAL (CVC)** | | | |
| ROSEDALE-RIO BRAVO WSD (KDWD EXCHANGE) | | 0 | |
| CAWELO WD (SUN PACIFIC EXCHANGE) | | 4,000 | |
| | TOTAL CVC | 4,000 | 3.3% |
| **STATE WATER PROJECT (AQUEDUCT)** | | | |
| KT EXCHANGE | | 0 | |
| | TOTAL AQUEDUCT | 0 | 0.0% |
| **INTERTIE PIPELINE (IPL)** | | | |
| RETURN TO MWD | | 0 | |
| | TOTAL IPL | 0 | 0.0% |
| **KERN RIVER** | | | |
| FRESNO COUNTY | | 0 | |
| MWD BANKING | | 0 | |
| KERN DELTA (RRBWSD EXCHANGE) | | 10,000 | |
| | TOTAL IPL | 10,000 | 8.3% |
| **INTAKE CANAL PUMP-IN (IC)** | | | |
| KERN DELTA WELLS | | 0 | |
| KERN DELTA H STREET | | 0 | |
| | TOTAL KR | 0 | 0.0% |
| **TOTAL IMPORT** | | **26,617** | **22.1%** |
| **GROUNDWATER PUMPING** | | | |
| IRRIGATION DEMAND | | 93,712 | |
| FARM PUMP IN | | 0 | |
| RETURN TO MWD | | 0 | |
| | TOTAL PUMPING | 93,712 | 77.9% |
| ***TOTAL WATER SUPPLY*** | | 120,329 | 100.0% |

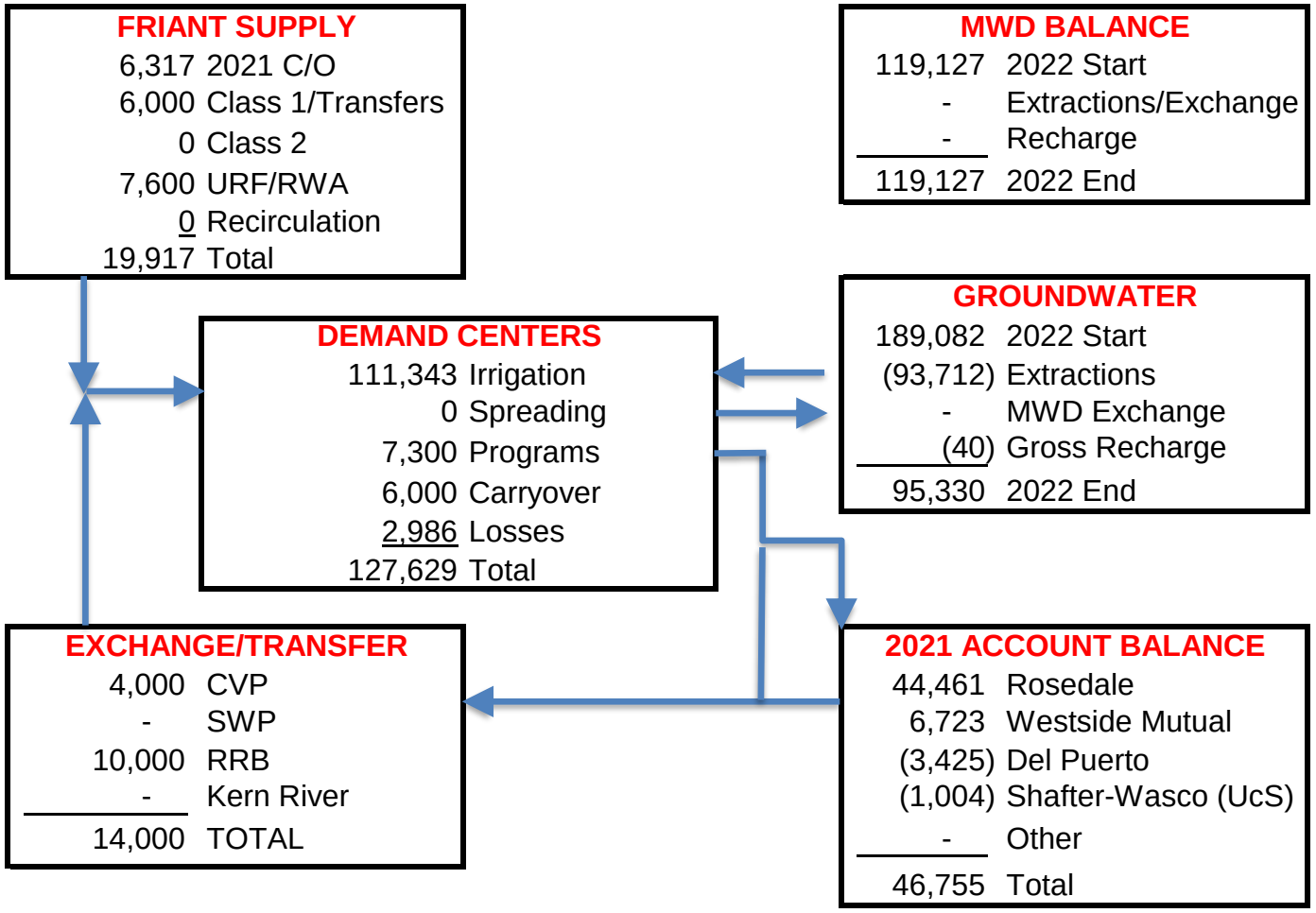
| ***DEMAND*** | | |
|---|---|---|
| IRRIGATION DEMAND (MARCH-APRIL) | 18,384 | 15.3% |
| IRRIGATION DEMAND (MAY-FEBRUARY) | 92,959 | 77.3% |
| SPREADING (MARCH-APRIL) | 0 | 0.0% |
| SPREADING (MAY-FEBRUARY) | 0 | 0.0% |
| CARRYOVER TO 2023 | 6,000 | 5.0% |
| LOSSES/METERING INACCURACIES | 2,986 | 2.5% |
| ***TOTAL DEMAND*** | 120,329 | 100.0% |

*5/5/2022*

Exhibit "A-2"

ARVIN-EDISON WATER STORAGE DISTRICT

# 2022 WATER MANAGEMENT




| | | |
|---|---|---|
| Surface Water | 17,631 | **16%** |
| Groundwater (58% of Max) | 93,712 | **84%** |
| Projected Irrigation Demand | 111,343 | **100%** |

**EXHIBIT "B"**

ARVIN-EDISON WATER STORAGE DISTRICT

# 2022 WATER YEAR DELIVERIES

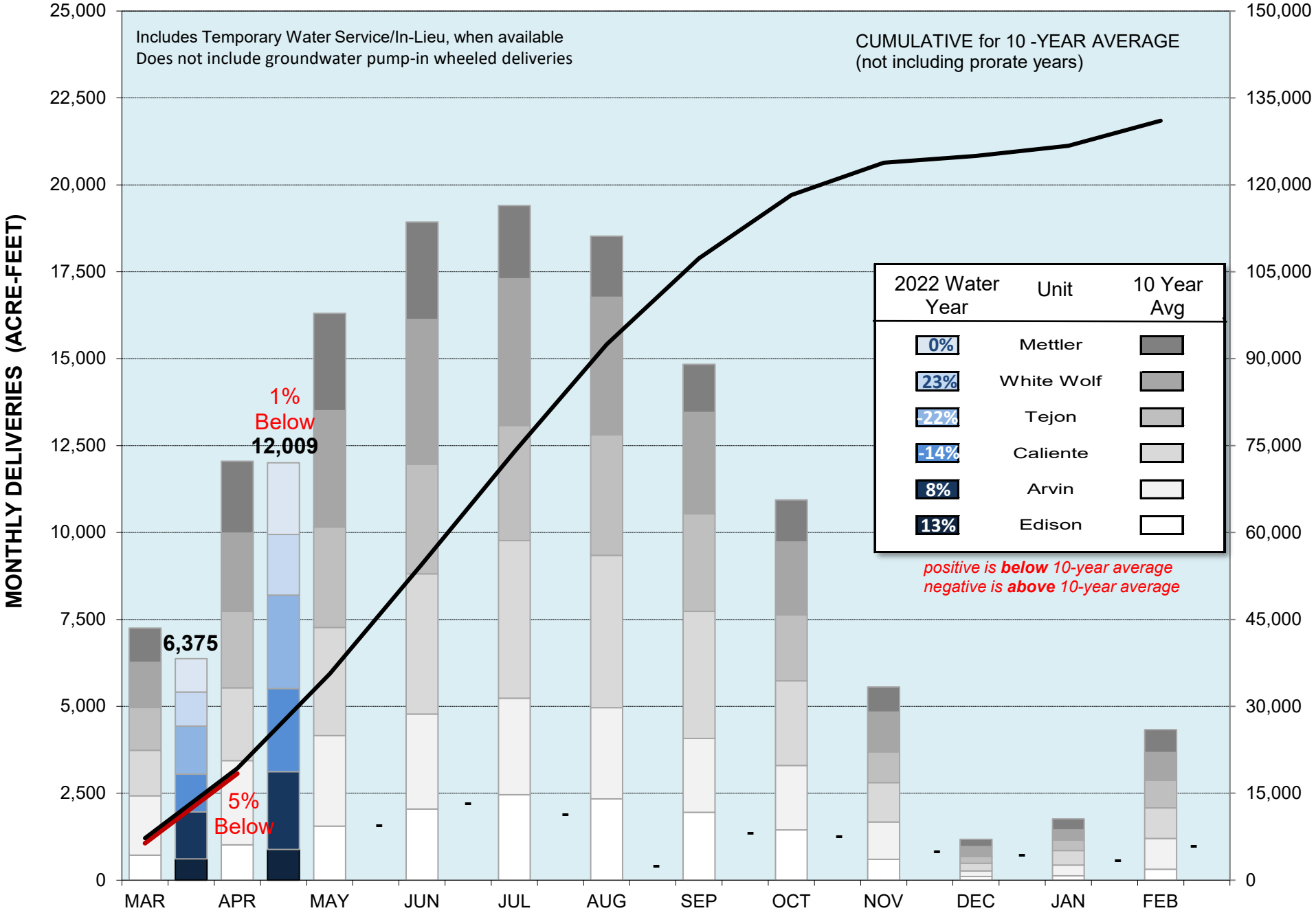


**EXHIBIT "C1"**

ARVIN-EDISON WATER STORAGE DISTRICT

# WATER SUPPLY WATER QUALITY SUMMARY

| | Date | Flow | Import | Calcium | | Magnesium | | Sodium | | Bicarbonate | | Chloride | | Nitrate | | TDS | pH | EC | Hardness | SAR | Gypsum | Boron | Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cfs | Source | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | | umhos/cm | mg/l | | lbs/AF | mg/l | NTU |
| *Intake Canal* | 04/07/22 | 30 | KD WELLS & KD CENTRAL(100%) | 33.0 | 1.65 | 5.3 | 0.43 | 25.0 | 1.08 | 120 | 1.97 | 16.0 | 0.45 | 7.70 | 0.12 | 180 | 8.2 | 320 | 110 | 1.0 | ND | 0.16 | 3.2 |
| | 03/09/22 | 0 | RESIDUAL FKC(100%) | 6.0 | 0.30 | 0.8 | 0.06 | 5.5 | 0.24 | 29 | 0.48 | 3.3 | 0.09 | 0.34 | ND | 33 | 7.7 | 70 | 18 | 0.6 | 0.50 | 0.03 | 4.7 |
| | 02/08/22 | 150 | FKC(100%) | 3.9 | 0.20 | 0.6 | 0.05 | 4.3 | 0.19 | 20 | 0.33 | 4.1 | 0.12 | 0.50 | 0.01 | 20 | 7.6 | 53 | 12 | 0.1 | 0.00 | 0.10 | 2.8 |
| | 01/10/22 | 60 | FKC(100%) | 5.2 | 0.26 | 0.7 | 0.06 | 4.5 | 0.19 | 26 | 0.43 | 2.8 | 0.08 | 0.37 | 0.01 | 29 | 7.5 | 56 | 16 | 0.5 | 0.45 | 0.04 | 4.2 |
| | 12/13/21 | 0 | RESIDUAL FKC(100%) | 17.0 | 0.85 | 1.0 | 0.08 | 25.0 | 1.08 | 58 | 0.95 | 17.0 | 0.48 | 6.60 | 0.11 | 120 | 8.1 | 221 | 46 | 1.6 | 0.12 | 0.04 | 1.7 |
| | 11/09/21 | 80 | FKC(100%) | 16.0 | 0.80 | 1.2 | 0.10 | 21.0 | 0.91 | 67 | 1.10 | 13.0 | 0.37 | 3.50 | 0.06 | 100 | 8.0 | 197 | 46 | 1.3 | 0.78 | 0.09 | 2.6 |
| | 10/07/21 | 40 | CVC(100%) | 7.5 | 0.38 | 0.7 | 0.06 | 8.0 | 0.34 | 33 | 0.54 | 3.8 | 0.11 | 1.10 | 0.02 | 43 | 7.6 | 79 | 22 | 0.8 | 0.47 | 0.03 | 1.8 |
| | 09/09/21 | 60 | CVC(100%) | 8.0 | 0.40 | 0.7 | 0.06 | 7.8 | 0.34 | 36 | 0.59 | 4.3 | 0.12 | 1.10 | 0.02 | 45 | 7.8 | 90 | 23 | 0.7 | 0.54 | 0.02 | 2.3 |
| | 08/09/21 | 35 | CVC(56%)/KD WELLS(44%) | 28.0 | 1.40 | 4.0 | 0.33 | 21.0 | 0.91 | 110 | 1.80 | 14.0 | 0.39 | 6.80 | 0.11 | 150 | 8.3 | 274 | 88 | 1.0 | 0.03 | 0.11 | 1.6 |
| | 07/08/21 | 35 | CVC(56%)/KD WELLS(44%) | 27.0 | 1.35 | 2.8 | 0.23 | 27.0 | 1.16 | 110 | 1.80 | 18.0 | 0.51 | 5.10 | 0.08 | 150 | 8.3 | 298 | 80 | 1.3 | 0.97 | 0.12 | 2.6 |
| | 06/04/21 | 110 | FKC(68%)/CVC(18%)/KD WELLS(14%) | 22.0 | 1.10 | 2.3 | 0.19 | 24.0 | 1.03 | 80 | 1.31 | 16.0 | 0.45 | 4.20 | 0.07 | 130 | 8.6 | 244 | 66 | 1.3 | 0.62 | 0.11 | 2.8 |
| | 05/07/21 | 35 | KD WELLS & KD MAIN(100%) | 27.0 | 1.35 | 4.2 | 0.34 | 25.0 | 1.08 | 96 | 1.57 | 12.0 | 0.34 | 3.80 | 0.06 | 150 | 8.7 | 274 | 84 | 1.2 | 0.42 | 0.15 | 4.0 |
| | 04/07/21 | 27 | KD WELLS & KD MAIN(100%) | 24.0 | 1.20 | 3.3 | 0.27 | 24.0 | 1.03 | 91 | 1.49 | 12.0 | 0.34 | 2.20 | 0.04 | 130 | 8.6 | 243 | 73 | 1.2 | 0.76 | 0.18 | 5.0 |
| | 03/12/21 | 0 | RESIDUAL CVC(100%) | 22.0 | 1.10 | 1.5 | 0.12 | 32.0 | 1.38 | 78 | 1.28 | 21.0 | 0.59 | 0.99 | 0.02 | 140 | 8.7 | 263 | 62 | 1.8 | 1.10 | 0.17 | 9.4 |
| | **Average** | | | **17.6** | **0.9** | **2.1** | **0.2** | **18.2** | **0.8** | **68.2** | **1.1** | **11.2** | **0.3** | **3.2** | **0.1** | **101.4** | **8.1** | **191.5** | **53.3** | **1.0** | **0.5** | **0.1** | **3.5** |
| *North Canal* | 04/07/22 | 48 | KD WELLS & KD CENTRAL(18%)/WELLS(82%) | 19.0 | 0.95 | 3.8 | 0.31 | 27.0 | 1.16 | 100 | 1.64 | 13.0 | 0.37 | 5.80 | 0.09 | 130 | 8.1 | 241 | 64 | 1.5 | 1.70 | 0.09 | 3.6 |
| | 03/09/22 | 38 | WELLS(100%) | 16.0 | 0.80 | 2.9 | 0.24 | 43.0 | 1.85 | 95 | 1.56 | 20.0 | 0.56 | 2.10 | ND | 160 | 8.6 | 322 | 52 | 2.6 | 2.80 | 0.37 | 4.4 |
| | 02/08/22 | 134 | FKC(100%) | 5.0 | 0.25 | 0.6 | 0.05 | 4.4 | 0.19 | 23 | 0.37 | 5.1 | 0.14 | 0.50 | 0.01 | 22 | 8.0 | 59 | 15 | 0.1 | 0.00 | 0.10 | 4.7 |
| | 01/10/22 | 80 | FKC(100%) | 7.2 | 0.36 | 0.8 | 0.06 | 4.7 | 0.20 | 40 | 0.66 | 2.9 | 0.08 | 0.36 | 0.01 | 39 | 7.5 | 69 | 21 | 0.5 | 1.00 | 0.05 | 5.1 |
| | 12/13/21 | 0 | RESIDUAL FKC(100%) | 31.0 | 1.55 | 2.7 | 0.22 | 21.0 | 0.91 | 130 | 2.13 | 9.4 | 0.26 | 2.80 | 0.05 | 150 | 7.7 | 310 | 88 | 1.0 | 1.60 | 0.07 | 6.7 |
| | 11/09/21 | 58 | FKC(100%) | 17.0 | 0.85 | 1.3 | 0.11 | 19.0 | 0.82 | 71 | 1.16 | 12.0 | 0.34 | 2.70 | 0.04 | 98 | 8.2 | 190 | 47 | 1.2 | 0.94 | 0.10 | 3.3 |
| | 10/07/21 | 14 | CVC(24%)/WELLS(76%) | 20.0 | 1.00 | 3.5 | 0.29 | 54.0 | 2.33 | 130 | 2.13 | 23.0 | 0.65 | 8.90 | 0.14 | 200 | 8.3 | 346 | 63 | 3.0 | 3.50 | 0.40 | 2.0 |
| | 09/09/21 | 70 | CVC(31%)/WELLS(69%) | 18.0 | 0.90 | 3.6 | 0.30 | 56.0 | 2.41 | 120 | 1.97 | 26.0 | 0.73 | 10.00 | 0.16 | 200 | 8.4 | 369 | 60 | 3.1 | 4.10 | 0.41 | 3.0 |
| | 08/09/21 | 14 | CVC(10%)/KD WELLS(8%)/WELLS(82%) | 24.0 | 1.20 | 4.4 | 0.36 | 34.0 | 1.47 | 130 | 2.13 | 15.0 | 0.42 | 12.00 | 0.19 | 170 | 8.2 | 314 | 77 | 1.7 | 2.40 | 0.12 | 2.9 |
| | 07/08/21 | 58 | CVC(10%)/KD WELLS(8%)/WELLS(82%) | 19.0 | 0.95 | 3.8 | 0.31 | 43.0 | 1.85 | 130 | 2.13 | 19.0 | 0.53 | 8.20 | 0.13 | 180 | 8.3 | 335 | 63 | 2.4 | 3.40 | 0.26 | 1.9 |
| | 06/04/21 | 148 | FKC(27%)/CVC(7%)/KD WELLS(6%)/WELLS(60%) | 21.0 | 1.05 | 4.1 | 0.34 | 52.0 | 2.24 | 130 | 2.13 | 25.0 | 0.70 | 10.00 | 0.16 | 210 | 8.4 | 378 | 68 | 2.8 | 3.50 | 0.41 | 4.4 |
| | 05/07/21 | 58 | KD WELLS & KD MAIN(18%)/WELLS(82%) | 22.0 | 1.10 | 4.5 | 0.37 | 35.0 | 1.51 | 120 | 1.97 | 16.0 | 0.45 | 7.60 | 0.12 | 160 | 8.2 | 297 | 73 | 1.8 | 2.00 | 0.14 | 1.2 |
| | 04/07/21 | 80 | KD WELLS & KD MAIN(14%)/WELLS(86%) | 20.0 | 1.00 | 4.3 | 0.35 | 34.0 | 1.47 | 110 | 1.80 | 17.0 | 0.48 | 5.50 | 0.09 | 150 | 8.3 | 274 | 68 | 1.8 | 1.90 | 0.16 | 2.4 |
| | 03/12/21 | 58 | WELLS(100%) | 22.0 | 1.10 | 3.9 | 0.32 | 40.0 | 1.72 | 120 | 1.97 | 17.0 | 0.48 | 7.00 | 0.11 | 170 | 8.2 | 303 | 70 | 2.1 | 2.20 | 0.19 | 1.2 |
| | **Average** | | | **18.7** | **0.9** | **3.2** | **0.3** | **33.4** | **1.4** | **103.5** | **1.7** | **15.7** | **0.4** | **6.0** | **0.1** | **145.6** | **8.2** | **271.9** | **59.2** | **1.8** | **2.2** | **0.2** | **3.3** |
| *South Canal* | 04/07/22 | 80 | KD WELLS & KD CENTRAL(12%)/WELLS(88%) | 33.0 | 1.65 | 9.8 | 0.80 | 37.0 | 1.59 | 140 | 2.30 | 37.0 | 1.04 | 9.20 | 0.15 | 220 | 8.2 | 419 | 120 | 1.4 | ND | 0.11 | 1.2 |
| | 03/09/22 | 20 | WELLS(100%) | 16.0 | 0.80 | 2.9 | 0.24 | 42.0 | 1.81 | 110 | 1.80 | 19.0 | 0.53 | 1.60 | ND | 160 | 8.6 | 311 | 51 | 2.6 | 3.80 | 0.37 | 5.0 |
| | 02/08/22 | 70 | FKC(100%) | 5.2 | 0.26 | 0.6 | 0.05 | 4.4 | 0.19 | 24 | 0.40 | 3.9 | 0.11 | 0.50 | 0.01 | 26 | 7.8 | 60 | 16 | 0.1 | 0.00 | 0.10 | 3.6 |
| | 01/10/22 | 40 | FKC(100%) | 8.0 | 0.40 | 0.8 | 0.06 | 4.8 | 0.21 | 36 | 0.59 | 2.8 | 0.08 | 0.35 | 0.01 | 37 | 7.8 | 73 | 23 | 0.5 | 0.51 | 0.05 | 3.8 |
| | 12/13/21 | N/A | DOWN FOR WINTER MAINTENANCE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 11/09/21 | 160 | FKC(100%) | 18.0 | 0.90 | 1.4 | 0.11 | 20.0 | 0.86 | 74 | 1.21 | 12.0 | 0.34 | 2.70 | 0.04 | 100 | 8.1 | 199 | 51 | 1.2 | 0.86 | 0.10 | 3.1 |
| | 10/07/21 | 120 | CVC(17%)/WELLS(83%) | 32.0 | 1.60 | 8.6 | 0.70 | 49.0 | 2.11 | 140 | 2.30 | 40.0 | 1.12 | 11.00 | 0.18 | 240 | 8.1 | 428 | 120 | 2.0 | 0.05 | 0.21 | 2.0 |
| | 09/09/21 | 110 | CVC(23%)/WELLS(77%) | 32.0 | 1.60 | 9.2 | 0.75 | 45.0 | 1.94 | 140 | 2.30 | 44.0 | 1.24 | 10.00 | 0.16 | 240 | 8.3 | 453 | 120 | 1.8 | 0.06 | 0.22 | 1.8 |
| | 08/09/21 | 0 | CVC(7%)/KD WELLS(5%)/WELLS(88%) | 40.0 | 2.00 | 12.0 | 0.98 | 45.0 | 1.94 | 160 | 2.62 | 61.0 | 1.71 | 12.00 | 0.19 | 280 | 8.2 | 525 | 150 | 1.6 | ND | 0.14 | 1.6 |
| | 07/08/21 | 90 | CVC(7%)/KD WELLS(6%)/WELLS(87%) | 31.0 | 1.55 | 8.7 | 0.71 | 41.0 | 1.77 | 140 | 2.30 | 37.0 | 1.04 | 11.00 | 0.18 | 230 | 8.2 | 440 | 110 | 1.7 | 0.27 | 0.16 | 1.5 |
| | 06/04/21 | 160 | FKC(21%)/CVC(5%)/KD WELLS(4%)/WELLS(70%) | 27.0 | 1.35 | 7.4 | 0.61 | 46.0 | 1.98 | 140 | 2.30 | 35.0 | 0.98 | 10.00 | 0.16 | 220 | 8.2 | 4 | 98 | 2.0 | 1.40 | 0.25 | 4.9 |
| | 05/07/21 | 120 | KD WELLS & KD MAIN(12%)/WELLS(88%) | 34.0 | 1.70 | 9.7 | 0.80 | 40.0 | 1.72 | 140 | 2.30 | 37.0 | 1.04 | 9.70 | 0.16 | 230 | 8.1 | 420 | 120 | 1.6 | ND | 0.12 | 1.0 |
| | 04/07/21 | 140 | KD WELLS & KD MAIN(9%)/WELLS(91%) | 32.0 | 1.60 | 9.0 | 0.74 | 39.0 | 1.68 | 140 | 2.30 | 32.0 | 0.90 | 9.00 | 0.15 | 210 | 8.2 | 381 | 120 | 1.6 | ND | 0.15 | 1.6 |
| | 03/12/21 | 50 | WELLS(100%) | 33.0 | 1.65 | 8.5 | 0.70 | 40.0 | 1.72 | 140 | 2.30 | 35.0 | 0.98 | 11.00 | 0.18 | 220 | 8.2 | 403 | 120 | 1.6 | ND | 0.18 | 2.2 |
| | **Average** | | | **26.2** | **1.3** | **6.8** | **0.6** | **34.9** | **1.5** | **117.2** | **1.9** | **30.4** | **0.9** | **7.5** | **0.1** | **185.6** | **8.1** | **316.6** | **93.8** | **1.5** | **0.9** | **0.2** | **2.6** |

**EXHIBIT "C1"**

ARVIN-EDISON WATER STORAGE DISTRICT

# WATER SUPPLY WATER QUALITY SUMMARY

| | Date | Flow[1] | Import | Calcium | | Magnesium | | Sodium | | Bicarbonate | | Chloride | | Nitrate | | TDS | pH | EC | Hardness | SAR | Gypsum | Boron | Turbidity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | cfs | Source | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | me/l | mg/l | | umhos/cm | mg/l | | lbs/AF | mg/l | NTU |
| *Intertie Pipeline* | 04/07/22 | 0 | KD WELLS & KD CENTRAL(12%)/WELLS(88%) | 33.0 | 1.65 | 9.5 | 0.78 | 36.0 | 1.55 | 140 | 2.30 | 35.0 | 0.98 | 9.50 | 0.15 | 220 | 8.2 | 402 | 120 | 1.4 | ND | 0.12 | 2.7 |
| | 03/09/22 | 0 | WELLS(100%) | 15.0 | 0.75 | 3.0 | 0.25 | 15.0 | 0.65 | 65 | 1.07 | 10.0 | 0.28 | 4.10 | 0.07 | 90 | 8.2 | 187 | 51 | 0.9 | 0.24 | 0.07 | 4.4 |
| | 02/08/22 | -40 | FKC(100%) | 6.7 | 0.34 | 0.8 | 0.06 | 4.5 | 0.19 | 26 | 0.43 | 4.4 | 0.12 | 0.50 | 0.01 | 29 | 8.1 | 76 | 20 | 0.0 | 0.00 | 0.10 | 7.0 |
| | 01/10/22 | -40 | FKC(100%) | 9.8 | 0.49 | 0.9 | 0.08 | 5.7 | 0.25 | 41 | 0.67 | 3.5 | 0.10 | 0.54 | 0.01 | 44 | 7.9 | 87 | 28 | 0.5 | 0.45 | 0.05 | 4.5 |
| | 12/13/21 | N/A | DOWN FOR WINTER MAINTENANCE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | 11/09/21 | 0 | FKC(100%) | 22.0 | 1.10 | 4.6 | 0.38 | 31.0 | 1.34 | 93 | 1.52 | 18.0 | 0.51 | 4.90 | 0.08 | 150 | 8.4 | 299 | 73 | 1.6 | 0.72 | 0.20 | 4.0 |
| | 10/07/21 | 0 | CVC(17%)/WELLS(83%) | 38.0 | 1.90 | 12.0 | 0.98 | 48.0 | 2.07 | 150 | 2.46 | 49.0 | 1.38 | 12.00 | 0.19 | 270 | 8.3 | 477 | 140 | 1.7 | ND | 0.17 | 4.5 |
| | 09/09/21 | 0 | CVC(23%)/WELLS(77%) | 37.0 | 1.85 | 12.0 | 0.98 | 44.0 | 1.90 | 160 | 2.62 | 49.0 | 1.38 | 13.00 | 0.21 | 260 | 8.2 | 496 | 140 | 1.6 | ND | 0.14 | 5.3 |
| | 08/09/21 | 0 | CVC(7%)/KD WELLS(5%)/WELLS(88%) | 31.0 | 1.55 | 10.0 | 0.82 | 43.0 | 1.85 | 130 | 2.13 | 44.0 | 1.24 | 11.00 | 0.18 | 240 | 8.5 | 451 | 120 | 1.7 | ND | 0.15 | 2.4 |
| | 07/08/21 | 0 | CVC(7%)/KD WELLS(6%)/WELLS(87%) | 32.0 | 1.60 | 9.9 | 0.81 | 43.0 | 1.85 | 150 | 2.46 | 40.0 | 1.12 | 11.00 | 0.18 | 240 | 8.3 | 453 | 120 | 1.7 | 0.04 | 0.17 | 1.8 |
| | 06/04/21 | 0 | FKC(21%)/CVC(5%)/KD WELLS(4%)/WELLS(70%) | 28.0 | 1.40 | 8.6 | 0.70 | 42.0 | 1.81 | 130 | 2.13 | 35.0 | 0.98 | 9.70 | 0.16 | 220 | 8.3 | 411 | 110 | 1.8 | 0.58 | 0.19 | 7.0 |
| | 05/07/21 | 0 | KD WELLS & KD MAIN(12%)/WELLS(88%) | 36.0 | 1.80 | 11.0 | 0.90 | 40.0 | 1.72 | 150 | 2.46 | 38.0 | 1.07 | 11.00 | 0.18 | 240 | 8.1 | 439 | 130 | 1.5 | ND | 0.13 | 3.4 |
| | 04/07/21 | 0 | KD WELLS & KD MAIN(9%)/WELLS(91%) | 36.0 | 1.80 | 12.0 | 0.98 | 41.0 | 1.77 | 150 | 2.46 | 39.0 | 1.10 | 10.00 | 0.16 | 240 | 8.3 | 431 | 140 | 1.5 | ND | 0.15 | 4.1 |
| | 03/12/21 | 0 | WELLS(100%) | 32.0 | 1.60 | 9.1 | 0.75 | 42.0 | 1.81 | 120 | 1.97 | 35.0 | 0.98 | 11.00 | 0.18 | 220 | 8.5 | 406 | 120 | 1.7 | ND | 0.16 | 3.6 |
| | **Average** | | | **27.4** | **1.4** | **8.0** | **0.7** | **33.5** | **1.4** | **115.8** | **1.9** | **30.8** | **0.9** | **8.3** | **0.1** | **189.5** | **8.2** | **355.0** | **100.9** | **1.4** | **0.3** | **0.1** | **4.2** |

Water Supply Water Quality Note: [1] Positive flow rate is reverse flow into the District. Where the reported value is ND, the method detection limit is entered.

Water Supply Water Quality Note: [2] Reverse flow into the District South Canal (Sycamore check gate was closed).

Water Supply Water Quality Note: [3] Constituent ran past sample hold time.

ND: NONE DETECTED.

NA: NOT AVAILABLE OR NOT TESTED.

mg/l: MILLIGRAMS PER LITER; SAME AS PARTS PER MILLION (ppm).

me/l: MILLEQUIVALENTS PER LITER; SAME AS EQUIVALENTS PER MILLION (epm).

INTAKE: SAMPLE TAKEN AT COTTONWOOD RD. SOUTH OF PANAMA LANE.

NORTH: SAMPLE TAKEN DOWNSTREAM OF SYCAMORE CHECK GATE.

SOUTH: SAMPLE TAKEN DOWNSTREAM OF TEJON CHECK GATE.

INTERTIE: TERMINUS OF SOUTH CANAL (S93 FOREBAY).

SODIUM: FOR SURFACE IRRIGATION: SAR < 3 IS GOOD. FOR SPRINKLER IRRIGATION: SODIUM < 3 me/l IS GOOD.

NITRATE: NITRATE IN WATER SLIGHTLY REDUCES FERTILIZER REQUIREMENT.

BICARBONATE: BICARBONATE < 1.5 me/l IS SATISFACTORY FOR OVERHEAD SPRINKLERS.

CHLORIDE: FOR SURFACE IRRIGATION CHLORIDE < 4 me/l IS GOOD.

TDS: TDS < 450 IS ACCEPTABLE FOR UNRESTRICTED USE.

GYPSUM: AMOUNT OF CALCIUM SULFATE IN POUNDS PER ACRE-FOOT OF WATER APPLIED. INCREASES WATER PERMEABILITY AND HELPS CORRECT EXCESS SODIUM. INCREASES CLAY FLOCCULATION FOR INCREASING PERMEABILITY.

pH: A MEASURE OF ACIDITY. A pH < 7 IS ACIDIC, pH = 7 IS NEUTRAL, pH > 7 IS BASIC. NORMAL RANGE IS 6.5 - 8.4. A pH > 8 MAY NEED TO BE BUFFERED FOR PESTICIDE APPLICATION. AFFECTS NUTRIENT AVAILABILITY.

EC: ELECTRICAL CONDUCTIVITY. A MEASURE OF WATER SALINITY; SOIL - IN MILLIMHOS PER CENTIMETER (mmho/cm); WATER - MORE OFTEN, IN MICROMHOS PER CENTIMETER (umhos/cm). EC < 700 (umhos/cm) HAS NO RESTRICTIONS FOR AGRICULTURAL USE. EC < 200 (umhos/cm) CAN REDUCE INFILTRATION RATE.

HARDNESS: HARD WATER, INDICATING CALCIUM AND MAGNESIUM, IS BENEFICIAL FOR AGRICULTURE.

SAR: SODIUM ADSORPTION RATIO. A RATIO OF SODIUM TO CALCIUM AND MAGNESIUM.

EVALUATE WITH EC.

SAR = 0 - 3 AND EC > 400 ACCEPTABLE

SAR = 3 - 6 AND EC > 900 ACCEPTABLE

BORON: BORON < 0.50 mg/l IS SATISFACTORY FOR ALL CROPS. EXCESSIVE BORON IS PHYTOTOXIC (BURNS) TO PLANTS.

**EXHIBIT "C-2"**
ARVIN-EDISON WATER STORAGE DISTRICT

# 2022 AQUATIC PEST CONTROL TREATMENTS TO CANALS & SPREADING BASINS

| Treatment Weeks (Monday) | | Temps | Intake | North | | | | | | South | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Stine Siphon | Bal. Res. | PP 24P1 | NCSW | PP 41P1 | PP 55P1 | Syc. Ponds | Syc. Check | PP 32P1 | PP 38P1 | Tej. Ponds | Tej. Check | 615 Check | 729 Check | 883 Check | Spill Way | Intertie Forbay |
| | | | 353+87 | 145+00 | 237+00 | 326+50 | 413+10 | 546+00 | 576+50 | 664+30 | 291+50 | 386+30 | | 458+40 | 615+00 | 729+10 | 883+00 | 885+45 | 900+27 |
| JAN | 01/03/22 | 36-62 | | | | | | | | | | | | | | | | | |
| | 01/10/22 | | | | | | | | | | | | | | | | | | |
| | 01/17/22 | | | | | | | | | | | | | | | | | | |
| | 01/24/22 | | | | | | | | | | | | | | | | | | |
| | 01/31/22 | | | | | | | | | | | | | | | | | | |
| FEB | 02/07/22 | 33-67 | | | | | | | | | | | | | | | | | |
| | 02/14/22 | | | | | | | | | | | | | | | | | | |
| | 02/21/22 | | | | | | | | | | | | | | | | | | |
| | 02/28/22 | | | | | | | | | | | | | | | | | | |
| | 02/28/22 | | | | | | | | | | | | | | | | | | |
| MAR | 03/07/22 | 43-73 | | | | | | | | | | | | | | | | | |
| | 03/14/22 | | | | | | | | | | | | | | | | | | |
| | 03/21/22 | | | | | | | | | | | | | | | | | | |
| | 03/28/22 | | | | | | | | | | | | | | | | | | |
| APR | 04/04/22 | 48-77 | | | | | 10 | 20 | 20 | | | | | | | | | | |
| | 04/04/22 | | | | | 65 | 2.5 | 5 | 5 | | | | 9 | | | 9 | | | |
| | 04/11/22 | | | | | | 5 | 10 | 10 | | | | 5 | 10 | | | | | |
| | 04/11/22 | | | | | | 2.5 | 2.5 | 2.5 | | | | 11 | 2.5 | | 7 | | | |
| | 04/18/22 | | | | | | 10 | 10 | | | | | | | | | | | |
| | 04/18/22 | | | | | | 2.5 | 2.5 | | | | | 17 | | | 7 | | | |
| | 04/25/22 | | | | | | | | | | | | | | | | | | |
| MAY | 05/02/22 | | | | | | | | | | | | | | | | | | |
| | 05/09/22 | | | | | | | | | | | | | | | | | | |
| | 05/16/22 | | | | | | | | | | | | | | | | | | |
| | 05/23/22 | | | | | | | | | | | | | | | | | | |
| | 05/30/22 | | | | | | | | | | | | | | | | | | |
| JUN | 06/06/22 | | | | | | | | | | | | | | | | | | |
| | 06/13/22 | | | | | | | | | | | | | | | | | | |
| | 06/20/22 | | | | | | | | | | | | | | | | | | |
| | 06/27/22 | | | | | | | | | | | | | | | | | | |
| JUL | 07/04/22 | | | | | | | | | | | | | | | | | | |
| | 07/11/22 | | | | | | | | | | | | | | | | | | |
| | 07/18/22 | | | | | | | | | | | | | | | | | | |
| | 07/25/22 | | | | | | | | | | | | | | | | | | |
| AUG | 08/01/22 | | | | | | | | | | | | | | | | | | |
| | 08/08/22 | | | | | | | | | | | | | | | | | | |
| | 08/15/22 | | | | | | | | | | | | | | | | | | |
| | 08/22/22 | | | | | | | | | | | | | | | | | | |
| | 08/29/22 | | | | | | | | | | | | | | | | | | |
| SEPT | 09/05/22 | | | | | | | | | | | | | | | | | | |
| | 09/12/22 | | | | | | | | | | | | | | | | | | |
| | 09/19/22 | | | | | | | | | | | | | | | | | | |
| | 09/26/22 | | | | | | | | | | | | | | | | | | |
| OCT | 10/03/22 | | | | | | | | | | | | | | | | | | |
| | 10/10/22 | | | | | | | | | | | | | | | | | | |
| | 10/17/22 | | | | | | | | | | | | | | | | | | |
| | 10/24/22 | | | | | | | | | | | | | | | | | | |
| | 10/31/22 | | | | | | | | | | | | | | | | | | |
| NOV | 11/07/22 | | | | | | | | | | | | | | | | | | |
| | 11/14/22 | | | | | | | | | | | | | | | | | | |
| | 11/21/22 | | | | | | | | | | | | | | | | | | |
| | 11/28/22 | | | | | | | | | | | | | | | | | | |
| DEC | 12/05/22 | | | | | | | | | | | | | | | | | | |
| | 12/12/22 | | | | | | | | | | | | | | | | | | |
| | 12/19/22 | | | | | | | | | | | | | | | | | | |
| | 12/26/22 | | | | | | | | | | | | | | | | | | |

**2022 Cost To Date**

| Treatment | Material | Labor | Total |
|---|---|---|---|
| Captain/Nautique | $0 | $0 | $0 |
| Phycomycin | $3,602 | $3,080 | $6,682 |
| Cascade | $0 | $0 | $0 |
| Teton/Hydrothol | $17,543 | $6,475 | $24,018 |
| Spreading Basins | $0 | $0 | $0 |
| Total | $21,145 | $9,555 | $30,700 |

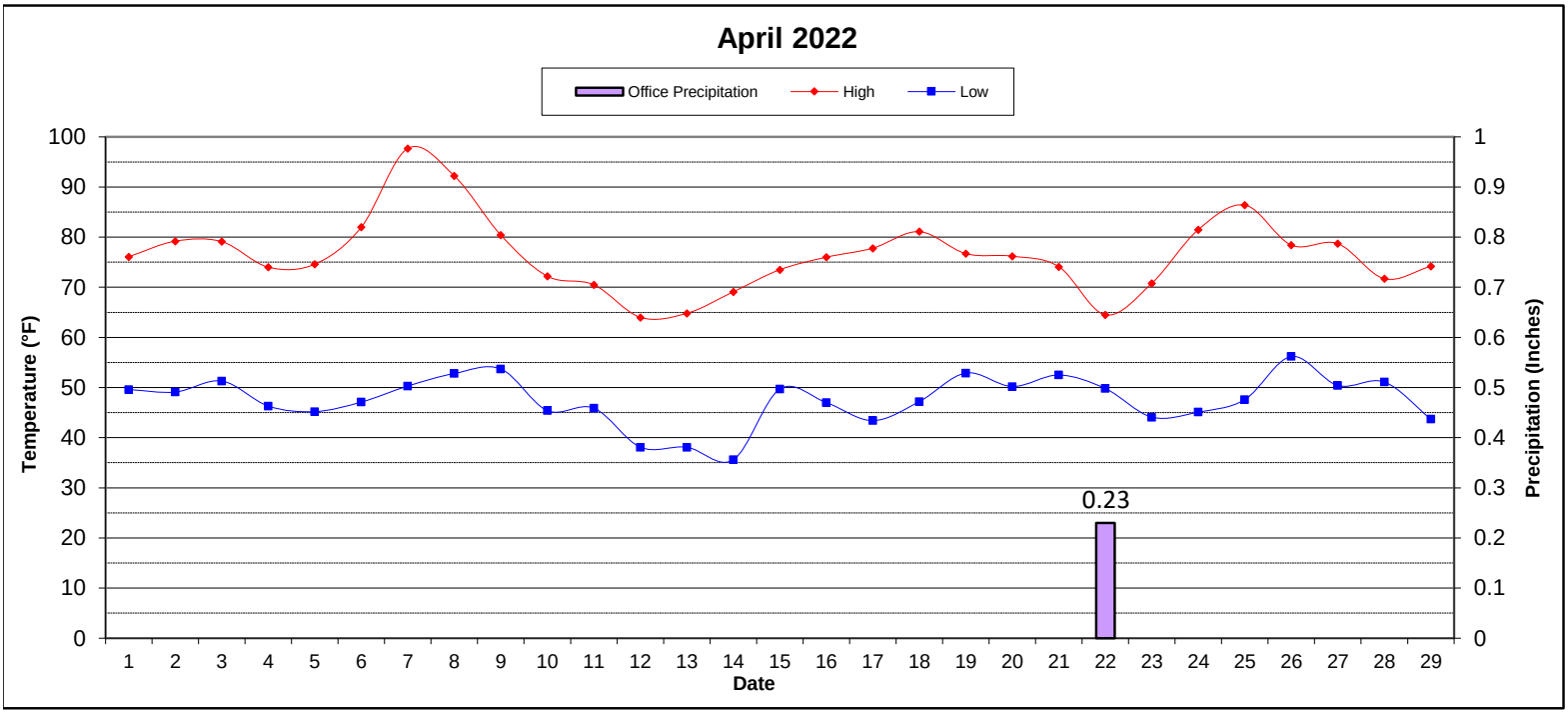
Shaded weeks are actual
Copper treatment (gal/lbs) for algae and pondweed (injected/broadcast)
Phycomycin (hydrogen peroxide) treatment (lbs) for algae (broadcast)
Endothall treatment (gal) for milfoil/basins (injected)
Endothall treatment (gal) for algae (injected)
Sonar/Clearcast/RoundUp Custom/MSO (gal)
Winter Maintenance

| Year | 2021 | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year Type | Critical-High | Dry | Wet | Normal-Dry | Wet | Normal-Dry | Critical-Low | Critical-High | Dry | Dry | Wet | Normal-Wet | Normal-Wet | Normal-Dry | Dry | Wet | Wet | Normal-Dry | Normal-Dry |
| Amount | $420,296 | $399,808 | $105,928 | $235,599 | $222,685 | $186,034 | $262,734 | $367,563 | $528,770 | $504,159 | $233,449 | $24,969 | $226,466 | $341,506 | $464,165 | $341,920 | $89,797 | $65,324 | $106,107 |

**EXHIBIT "D"**

ARVIN-EDISON WATER STORAGE DISTRICT

# SUMMARY OF CLIMATOLOGICAL OBSERVATIONS




| PRECIPITATION | BAL RES (1) | | OFFICE (2) | | SYCAMORE (3) | | TEJON (4) | | INTERTIE (5) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | INCHES | % AVG. | INCHES | % AVG. | INCHES | % AVG. | INCHES | % AVG. | INCHES | % AVG. |
| AVG. MONTHLY | 0.85 | | 0.85 | | 0.84 | | 0.70 | | 0.90 | |
| AVG. YEAR TO DATE | 6.63 | | 8.04 | | 7.75 | | 6.74 | | 6.23 | |
| CURRENT MONTH | 0.18 | 7% | 0.23 | 27% | 0.22 | 26% | 0.25 | 36% | 0.25 | 28% |
| CUMULATIVE (07/01/21 - 06/30/22) | 6.58 | 99% | 7.81 | 97% | 9.60 | 124% | 6.98 | 104% | 7.16 | 115% |

| TEMPERATURE (6) | (ºF) | DATE | TIME |
|---|---|---|---|
| MAXIMUM TEMPERATURE | 96 | 4/7/2022 | 4:00 PM |
| AVERAGE MAXIMUM TEMPERATURE | 77 | | |
| # DAYS THIS MONTH ABOVE 100 ºF | 0 | | |
| MINIMUM TEMPERATURE | 39 | 4/14/2022 | 3:00 AM |
| AVERAGE MINIMUM TEMPERATURE | 48 | | |
| # DAYS THIS MONTH BELOW 32 ºF | 0 | | |

| WIND (6) | M.P.H. | DATE | TIME | DRCTN |
|---|---|---|---|---|
| MAXIMUM WIND SPEED | 16.3 | 4/11/2022 | 9:00 PM | NW |
| AVERAGE WIND SPEED | 4.6 | | | |
| AVERAGE WIND SPEED @ 8:00 AM | 4.5 | | | |

| BAROMETRIC PRESSURE (7) | IN. HG | DATE | TIME |
|---|---|---|---|
| AVERAGE PRESSURE @ 8:00 AM | 29.55 | | |
| MAXIMUM PRESSURE | 29.75 | 4/13/2022 | 8:00 AM |
| MINIMUM PRESSURE | 29.34 | 4/3/2022 | 6:00 PM |

***NOTES***

*(1) October 2018 to Present data gathered from District rain gauges*
*(2) 1975 to Present data gathered from District rain gauges*
*(3) 1968 to Present data gathered from District rain gauges*
*(4) 1967 to Present data gathered from District rain gauges*
*(5) October 2018 to Present data gathered from District rain gauges*
*(6) Data retrieved from CIMIS (http://www.cimis.water.ca.gov/WSNReportCriteria.aspx)*
*(7) Data retrieved from Weather Underground (https://www.wunderground.com/us/ca/arvin/zmw:93203.1.99999)*
*Precipitation Day is 8:00 AM to 8:00 AM*

**EXHIBIT "E"**

ARVIN-EDISON WATER STORAGE DISTRICT

# WY2022 ENERGY CONSUMPTION AND POWER DEMAND

| | ENERGY CONSUMED - KWH | | | | | | TOTAL DEMAND - KW | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | Forrest Frick PP | Distrib. System | Spreading | Wells | Intertie PP | Total | Forrest Frick PP | Distrib. System | Spreading | Wells | Intertie PP | Total | Load Factor |
| MAR 22 | 97,947 | 2,033,650 | 1,275 | 5,215,376 | 3,443 | 7,351,691 | 1,904 | 12,244 | 2 | 14,649 | 7 | 28,805 | 34% |
| APR | | | | | | | | | | | | | |
| MAY | | | | | | | | | | | | | |
| JUN | | | | | | | | | | | | | |
| JUL | | | | | | | | | | | | | |
| AUG | | | | | | | | | | | | | |
| SEP | | | | | | | | | | | | | |
| OCT | | | | | | | | | | | | | |
| NOV | | | | | | | | | | | | | |
| DEC | | | | | | | | | | | | | |
| JAN 23 | | | | | | | | | | | | | |
| FEB | | | | | | | | | | | | | |
| TOTAL | 97,947 | 2,033,650 | 1,275 | 5,215,376 | 3,443 | 7,351,691 | | | | | | | |

Notes: - Since 2005 KW records reflect non-simultaneous demands.

- Energy use for lighting accounts for approximately 90,000 kWh/month at District wellfields and 4,000 kWh/month at the Intertie Pumping Plant

4/12/2022

EXHIBIT "F"

ARVIN-EDISON WATER STORAGE DISTRICT

# 2022 WATER YEAR WELLFIELD PRODUCTION - AF

| Month | Bal Res | | North Canal 5 | | Wellfield | | | | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | North | | Sycamore | | Tejon | | | | |
| | AF | % of Historical Max | AF | % of Historical Max | AF | % of Historical Max | AF | % of Historical Max | AF | % of Historical Max | AF | AF / Day | % of Historical Max |
| MAR - 22 | 0 | 0% | 988 | 81% | 2,003 | 78% | 1,886 | 29% | 1,495 | 27% | 6,372 | 206 | 41% |
| APR | 0 | 0% | 1,113 | 92% | 2,943 | 96% | 3,531 | 51% | 3,503 | 70% | 11,090 | 370 | 74% |
| MAY | | | | | | | | | | | | | |
| JUN | | | | | | | | | | | | | |
| JUL | | | | | | | | | | | | | |
| AUG | | | | | | | | | | | | | |
| SEP | | | | | | | | | | | | | |
| OCT | | | | | | | | | | | | | |
| NOV | | | | | | | | | | | | | |
| DEC | | | | | | | | | | | | | |
| JAN - 23 | | | | | | | | | | | | | |
| FEB | | | | | | | | | | | | | |
| Total | 0 | | 2,101 | | 4,946 | | 5,417 | | 4,998 | | 17,462 | 58 | 12% |
| Ratio | 0% | | 12% | | 28% | | 31% | | 29% | | 100% | Average | |
| Wells | 4 | | 5 | | 14 | | 34 | | 29 | | 86 | | |

EXHIBIT "G"

ARVIN-EDISON WATER STORAGE DISTRICT

# 2022 WATER YEAR GROSS SPREADING - AF

| Month | Bal Res | North Gravity | North Pressure | Sycamore | Tejon Gravity | Tejon Pressure | Murray Gravity | Landowner Recharge | Subtotal | In-Lieu | Temporary Water | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAR-22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| APR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAY | | | | | | | | | | | | |
| JUN | | | | | | | | | | | | |
| JUL | | | | | | | | | | | | |
| AUG | | | | | | | | | | | | |
| SEP | | | | | | | | | | | | |
| OCT | | | | | | | | | | | | |
| NOV | | | | | | | | | | | | |
| DEC | | | | | | | | | | | | |
| JAN-23 | | | | | | | | | | | | |
| FEB | | | | | | | | | | | | |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ratio | | | | | | | | | | | | |
| Ratio | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Pressure | 0 | | 0 | | | 0 | | | 0 | | | 0 |
| | | | | | | | | | | | | |

EXHIBIT "H-1"

# ARVIN-EDISON WATER STORAGE DISTRICT

## STATIC VS PUMPING WATER LEVELS IN DISTRICT WELLS - APRIL 2022

ALL VALUES IN FEET

| | WELL # | STATIC LEVEL | PUMPING LEVEL | BOWL DEPTH | TOTAL DEPTH | DRAW DOWN | BOWL COVERAGE |
|---|---|---|---|---|---|---|---|
| NORTH CANAL (23) | N1 | 425 | 488 | 610 | 840 | 62 | 122 |
| | N2 | 444 | 554 | 700 | 840 | 111 | 146 |
| | N3 | 381 | 407 | 610 | 840 | 25 | 203 |
| | N4 | 437 | 460 | 550 | 864 | 23 | 90 |
| | N5 | 454 | 463 | 650 | 864 | 9 | 187 |
| | N6 | 513 | 617 | 640 | 920 | 104 | 23 |
| | N7 | 480 | 501 | 600 | 1010 | 21 | 99 |
| | N8 | 417 | 463 | 560 | 970 | 46 | 97 |
| | N9 | 448 | 557 | 700 | 990 | 109 | 143 |
| | N10 | 449 | 503 | 560 | 990 | 54 | 57 |
| | N11 | 426 | 456 | 562 | 1020 | 30 | 106 |
| | N12 | 478 | 503 | 600 | 1030 | 25 | 97 |
| | N13 | 480 | 505 | 600 | 1000 | 25 | 95 |
| | N14 | 441 | 461 | 540 | 900 | 21 | 79 |
| | N15 | 381 | 518 | 700 | 1200 | 136 | 182 |
| | N16 | 381 | 460 | 600 | 1200 | 79 | 140 |
| | N17 | 395 | 501 | 610 | 1200 | 106 | 109 |
| | N18 | 438 | 570 | 610 | 1190 | 132 | 40 |
| | N19 | 468 | 519 | 760 | 1300 | 51 | 241 |
| | N20 | 591 | 628 | 820 | 1020 | 37 | 192 |
| | N21 | 464 | 540 | 660 | 950 | 76 | 120 |
| | N22 | 460 | 485 | 680 | 990 | 25 | 195 |
| | N23 | 457 | 468 | 680 | 990 | 11 | 212 |
| | Avg | 448 | 505 | | | | |

| | WELL # | STATIC LEVEL | PUMPING LEVEL | BOWL DEPTH | TOTAL DEPTH | DRAW DOWN | BOWL COVERAGE |
|---|---|---|---|---|---|---|---|
| TEJON (29) | 71 | 543 | 567 | 800 | 1050 | 24 | 233 |
| | 72 | 539 | 576 | 800 | 1045 | 37 | 224 |
| | 73 | 537 | 569 | 800 | 1018 | 32 | 231 |
| | 74 | 532 | 571 | 800 | 1084 | 39 | 229 |
| | 75 | 537 | 557 | 800 | 1045 | 21 | 243 |
| | 76 | 524 | 573 | 700 | 996 | 49 | 127 |
| | 77 | 518 | 601 | 800 | 1066 | 83 | 199 |
| | 78 | 518 | 555 | 800 | 1038 | 37 | 245 |
| | 79 | 515 | 557 | 700 | 1032 | 42 | 143 |
| | 80 | 507 | 631 | 800 | 996 | 125 | 169 |
| | 81 | 487 | 531 | 700 | 925 | 44 | 169 |
| | 82 | 418 | 469 | 800 | 996 | 51 | 331 |
| | 83 | 537 | 590 | 800 | 996 | 53 | 210 |
| | 84 | 438 | 488 | 700 | 955 | 50 | 212 |
| | 86 | 551 | 597 | 800 | 996 | 46 | 203 |
| | 87 | 544 | 574 | 800 | 984 | 30 | 226 |
| | 88 | 532 | 569 | 800 | 948 | 37 | 231 |
| | 89 | 511 | 544 | 800 | 996 | 32 | 256 |
| | 90 | 434 | 478 | 700 | 996 | 44 | 222 |
| | 91 | N/A | N/A | 700 | 996 | N/A | N/A |
| | 92 | 560 | 606 | 800 | 996 | 46 | 194 |
| | 93 | 558 | 610 | 800 | 996 | 52 | 190 |
| | 94 | 569 | 615 | 860 | 996 | 46 | 245 |
| | 95 | 498 | 528 | 800 | 996 | 30 | 272 |
| | 96 | 581 | 680 | 800 | 996 | 99 | 120 |
| | 98 | 543 | 578 | 760 | 1340 | 35 | 182 |
| | 99 | 535 | 574 | 760 | 1340 | 39 | 186 |
| | 100 | 462 | 522 | 760 | 1340 | 60 | 238 |
| | 101 | 484 | 543 | 760 | 1310 | 59 | 217 |
| | Avg | 518 | 566 | | | | |

| | WELL # | STATIC LEVEL | PUMPING LEVEL | BOWL DEPTH | TOTAL DEPTH | DRAW DOWN | BOWL COVERAGE |
|---|---|---|---|---|---|---|---|
| SYCAMORE (34) | 1 | 446 | 488 | 705 | 800 | 42 | 217 |
| | 2 | 454 | 503 | 690 | 876 | 49 | 187 |
| | 4 | 476 | 511 | 700 | 876 | 35 | 189 |
| | 5 | 489 | 526 | 720 | 876 | 37 | 194 |
| | 6 | 420 | 482 | 690 | 876 | 62 | 208 |
| | 7 | 462 | 515 | 700 | 830 | 53 | 185 |
| | 8 | 416 | 451 | 640 | 860 | 35 | 189 |
| | 9 | 478 | 520 | 700 | 886 | 42 | 180 |
| | 10 | 454 | 494 | 690 | 850 | 39 | 196 |
| | 11 | 453 | 501 | 700 | 880 | 49 | 199 |
| | 12 | 471 | 511 | 700 | 860 | 39 | 189 |
| | 13 | 441 | 513 | 700 | 850 | 72 | 187 |
| | 14 | 402 | 451 | 670 | 810 | 49 | 219 |
| | 15 | 467 | 611 | 710 | 820 | 143 | 99 |
| | 16 | 462 | 601 | 700 | 888 | 139 | 99 |
| | 17 | 428 | 553 | 650 | 820 | 125 | 97 |
| | 18 | 442 | 463 | 650 | 820 | 21 | 187 |
| | 20 | 440 | 472 | 680 | 804 | 32 | 208 |
| | 21 | 450 | 468 | 690 | 856 | 18 | 222 |
| | 22 | 425 | 451 | 610 | 792 | 25 | 159 |
| | 23 | 422 | 448 | 600 | 788 | 25 | 152 |
| | 24 | 434 | 462 | 580 | 780 | 28 | 118 |
| | 25 | 418 | 441 | 610 | 777 | 23 | 169 |
| | 26 | 429 | 468 | 690 | 816 | 39 | 222 |
| | 28 | 397 | 441 | 660 | 782 | 44 | 219 |
| | 29 | 452 | 475 | 690 | 787 | 23 | 215 |
| | 31 | 441 | 468 | 660 | 725 | 28 | 192 |
| | 32 | 411 | 511 | 640 | 739 | 99 | 129 |
| | 33 | 451 | 531 | 700 | 780 | 81 | 169 |
| | 34 | N/A | N/A | 700 | 781 | N/A | N/A |
| | 35 | 441 | 513 | 700 | 800 | 72 | 187 |
| | 36 | 452 | 482 | 600 | 820 | 30 | 118 |
| | 37 | 452 | 477 | 540 | 820 | 25 | 63 |
| | 38 | 458 | 494 | 860 | 1270 | 36 | 366 |
| | Avg | 444 | 494 | | | | |

**MONTHLY SUMMARY - AVERAGE WATER LEVELS**

| READINGS END OF | STATIC LEVELS N. CANAL | STATIC LEVELS SYCAMORE | STATIC LEVELS TEJON | PUMPING LEVELS N. CANAL | PUMPING LEVELS SYCAMORE | PUMPING LEVELS TEJON |
|---|---|---|---|---|---|---|
| APR-21 | 439 | 436 | 479 | 504 | 497 | 564 |
| MAY | 439 | 454 | 520 | 506 | 519 | 575 |
| JUN | 453 | 464 | 532 | 510 | 532 | 599 |
| JUL | 445 | 469 | 540 | 504 | 541 | 600 |
| AUG | 445 | 462 | 548 | 501 | 529 | 605 |
| SEP | 448 | 464 | 550 | 506 | 532 | 607 |
| OCT | 432 | 445 | 512 | 489 | 502 | 566 |
| NOV | 434 | 429 | 501 | 488 | 483 | 547 |
| DEC | 431 | 426 | 477 | 486 | 480 | 524 |
| JAN | 430 | 421 | 465 | 484 | 476 | 512 |
| FEB | 434 | 421 | 463 | 491 | 474 | 510 |
| MAR | 435 | 435 | 471 | 492 | 480 | 517 |
| APR-22 | 448 | 444 | 518 | 505 | 494 | 566 |
| CHANGE TO-DATE | -9 | -8 | -39 | -1 | 3 | -2 |

OUT OF SERVICE (5)
AIRLINE FAILURE (15)
FAILED (2)
86 TOTAL WELLS

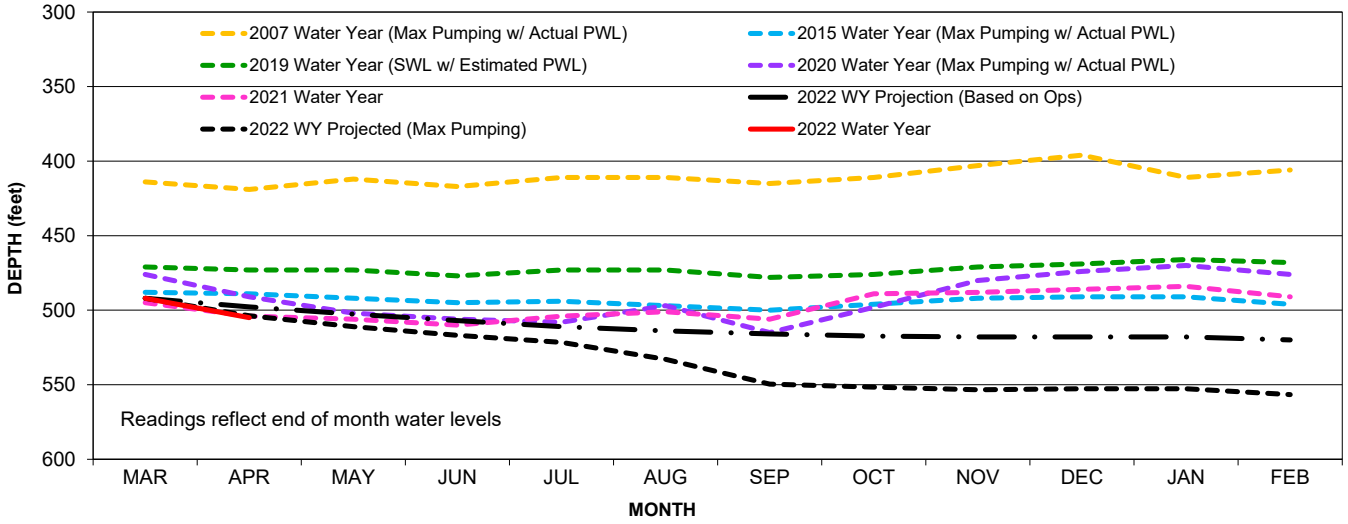
*Bowl depth measured to top of pump
*Pumping levels are estimated based on previous draw down records. (6 month average)
*Airline failure levels were obtained with acoustic sounder

**EXHIBIT "H-2"**

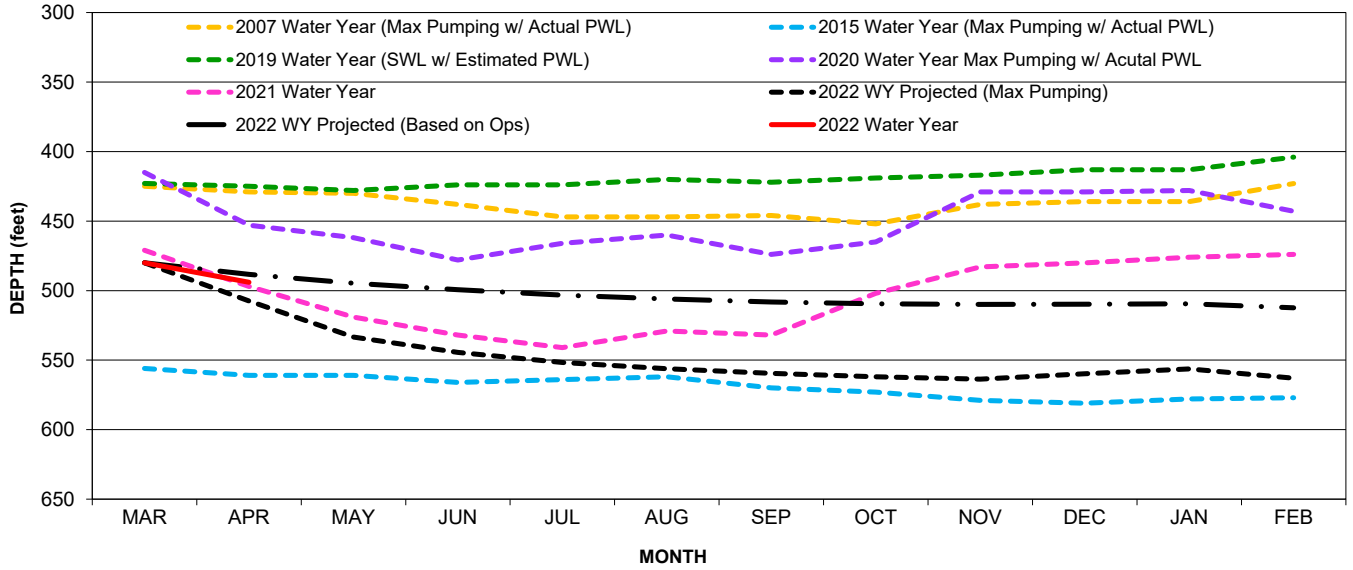
ARVIN-EDISON WATER STORAGE DISTRICT

**WELLFIELD PUMPING WATER LEVELS - 2007, 2015, AND 2019-22**

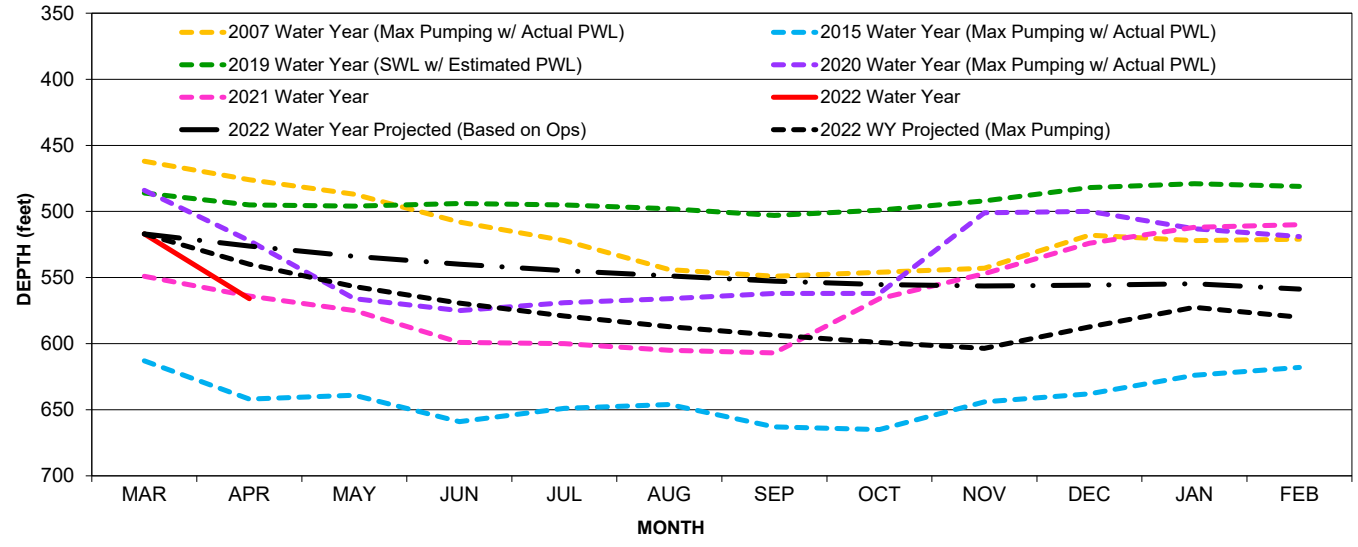
## NORTH CANAL




## SYCAMORE WELLFIELD




## TEJON WELLFIELD



# EXHIBIT "I"

# April 2022

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | Board—Red<br>JSM—Blue<br>MD—Orange<br>Staff—Green | ACWA –Association of California Water Agencies<br>ACSD - Arvin Community Services District<br>BOD - Board of Directors<br>COB - City of Bakersfield<br>CVC - Cross Valley Canal<br>CVPIA - Central Valley Project Improvement Act<br>EC- Executive Committee<br>ETGSA– East Tule Basin GW Sustainability Agency<br>ETFOG - Friant Operational Guidelines<br>FWA - Friant Water Authority<br>GSP - Groundwater Sustainability Plan | KC - Kern County<br>KCWA - Kern County Water Agency<br>KRGSA - Kern River Groundwater Sustainability Agency<br>KRWCA - Kern River Watershed Coalition Authority<br>MAR - Managed Aquifer Recharge<br>MTs - Microsoft Teams<br>MWD - Metropolitan Water District<br>NKWSD - North Kern Water District<br>RFG - Restoration Flow Guidelines<br>RWA– Restoration Water Account<br>SJVWIA—San Joaquin Valley Water Infrastructure Authority<br>SJRRP - San Joaquin River Restoration Program<br>SGMA - Sustainable Groundwater Management Act | TF - Temperance Flat Steering Committee<br>TC- Teleconference<br>WAKC - Water Association of Kern County<br>WBC - Wage & Benefit Comm.<br>WRMWSD - Wheeler Ridge-Maricopa Water Storage District<br>WWGSA - White Wolf Groundwater Sustainability<br>WMP - Water Mgmt. Program<br>WQSA - Water Quality Sub Account | 1 FFPP Load Capacity w/WAPA (TC)<br>FFPP Load Capacity w/Legal Counsel (TC)<br>Kern Managersw/Yurosek (Zoom)<br>Friant Managers (MTs) | 2 |
| 3 | 4 Redwood AES Solar Proposal (MTs)<br>P&P Project Update<br>Finance Plan<br>JDA (TC)<br>Low Head Hydro w/ COB (MTs) | 5 FFPP Load Capacity w/PG&E/WAPA (WebEx)<br>Groundwater Model Update w/EKI (MTs) | 6 PWRPA BOD (WebEx)<br>SGMA Update w/EKI/Bezdek (MTs)<br>KGA EC (Yurosek)<br>Water Supply w/FWA (MTs) | 7 KGA Managers w/ Yurosek | 8 AC Electric (TC)<br>ETGSA (Camp)<br>Kern Basin w/DWR/Yurosek/ Martinez<br>WRMWSD Coordination w/ Camp/Yurosek<br>Water Supply w/USBR (MTs)<br>HOMER re PID (TC) | 9 |
| 10 | 11 Standtank Painting Pre-Construction<br>ETGSA (Camp) | 12 AEWSD BOD | 13 Water Supply w/FWA (MTs) | 14 KGA Managers w/ Yurosek on Zoom<br>AEWSD Pension Committee (WebEx)<br>Millterton Lake Forecasting (MTs) | 15 Kern Manager w/Yurosek (Zoom) | 16 |
| 17 | 18 FWA EC w/Camp (Lindsay)<br>DWR on Executive Order (Zoom)<br>CVC Ad-Hoc Comm | 19 Sorensen Engineering (HQ Kern Plant)<br>ETGSA (Camp) | 20 SGMA Update w/EKI/ Bezdek (MTs) | 21 KGA Managers w/ Yurosek (Zoom)<br>AEWSD Special BOD | 22 Kern Managers (Yurosek) | 23 |
| 24 | 25 FWA Finance Comm (Giumarra) (WebEx) | 26 SGMA Update w/ DWR (TC)<br>SGMA Update w/Camp/ Yurosek (TC) | 27 KGA Prep w/Camp/Yurosek<br>KGA BOD w/Yurosek<br>FKC WQ w/Adams/EKI (TC)<br>FKC Subsidence for Kern GSP<br>CVC Ad-Hoc Comm (GoToMeeting) | 28 FWA BOD w/Camp (Visalia)<br>Friant O&M w/Orvis (Visalia)<br>General Counsel<br>Kern Managers (Yurosek) | 29 Ecogreen Solutions<br>Kern Managers w/Yurosek<br>HOMER re PID (Zoom)<br>General Counsel Transition | 30 |