

KINNELOA IRRIGATION DISTRICT

Special Meeting – Board of Directors
1999 Kinclair Drive, Pasadena, CA 91107
Tuesday, August 30, 2022
3:00 P.M.

AGENDA

This meeting will be conducted at the District office in accordance with the Brown Act and the Governor's Executive Orders N-25-20 (Mar. 12, 2020), N-29-20 (Mar. 17, 2020), N-08-21 (Jun. 11, 2021) and AB 361 which waive the Brown Act provisions found in Govt. Code section 54953(b)(3) which require the physical presence of the members, the clerk, or other personnel of the body, or the public, as a condition of participation in, or quorum for, a public meeting and to allow teleconferencing. Face coverings may be required for attendance at the office. Public comment may be made in person or submitted via email to kinneloa@outlook.com prior to the meeting and any information submitted will become part of the official record. The public may participate at the office or via computer or telephone using the following information:

<https://us02web.zoom.us/j/85061795151?pwd=QURaWGV5Lzg3dmEvcGx1Ujl6akRHdz09>

Meeting ID: 850 6179 5151

Passcode: 156331

Telephone: 669 900 9128

1. **CALL TO ORDER – 3:00 P.M.**
 - a. Declaration of a quorum
 - b. Review of agenda
2. **TELECONFERENCING OF BOARD MEETINGS – Board to consider continuing to waive certain provisions of the Brown Act as permitted by AB 361 during the COVID-19 emergency**
Recommended Action: Board to decide whether to extend the provisions of Resolution 2020-1-18 for 30 days by adopting Resolution 2022-08-30
3. **PUBLIC COMMENT – Comments from the Public regarding items on the Agenda or other items within the jurisdiction of the District**
In compliance with the Brown Act, the Board cannot discuss or act on items not on the Agenda. However, Board Members or District Staff may acknowledge Public comments, briefly respond to statements or questions posed by the Public, ask a question for clarification, or request Staff to place item on a future Agenda (Government Code section §54954.2)
4. **BOARD WORKSHOP CONCERNING THE TRANSITION IN GENERAL MANAGERS – Reports from the ad hoc committees and discussion of the transition and recruitment period**
5. **FLUORIDE VARIANCE – General Manager to give an update on process to extend the Fluoride variance that will expire in December 2023**
6. **PROPOSED BUDGET FOR 2023 – General Manager to present proposed 2023 budget with revisions requested at the August 16, 2022 meeting**
7. **BROWN-GLEN REPLACEMENT PIPELINE PROJECT – Update from General Manager and discussion on the project timing**
8. **CLOSED SESSION - PUBLIC EMPLOYEE PERFORMANCE EVALUATION – Government Code Section 54954.5(e): Title: Facilities Operator**

9. DIRECTOR REQUESTS, REPORTS OR COMMENTS –

In accordance with Government Code §54954.2 Directors may make brief announcements or brief reports on their own activities. Directors may ask a question for clarification, provide a reference to staff or other resources for information, request staff to report back to the Directors at a subsequent meeting, or act to direct staff to place a matter of business on a future agenda.

10. CALENDAR – September 20, 2022 October 18, 2022 November 15, 2022

11. ADJOURNMENT

In compliance with the Americans with Disabilities Act, if you are a disabled person and need a disability-related modification or accommodation to participate in this meeting, please contact the District office 48 hours prior to the meeting at 626-797-6295. Each item on the agenda, no matter how described, shall be deemed to include any appropriate motion, whether to adopt a minute motion, resolution, payment of any bill, approval of any matter or action, or any other action. Material related to an item on this agenda submitted after distribution of the agenda packet is available for public review at the District office or online at the District's website <https://kinneloairrigationdistrict.info>.

RESOLUTION 2022-08-30

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE KINNELOA IRRIGATION DISTRICT
EXTENDING THE TIME DURING WHICH THE DISTRICT MAY CONTINUE TO MEET IN
ACCORDANCE WITH RESOLUTION 2022-01-18 AND WITHOUT COMPLIANCE WITH
GOVERNMENT CODE SECTION 54953(B)(3)**

WHEREAS this District has previously approved Resolution 2022-01-18 authorizing remote teleconference meetings; and

WHEREAS the COVID-19 state of emergency declared by the Governor is ongoing; and

WHEREAS the District wants to follow the health and safety recommendations of state and local health officials to reduce the spread of the COVID-19 virus.

NOW THEREFORE, IT IS RESOLVED that the Board extends the provisions of Resolution 2022-01-18 for thirty days in accordance with Government Code Section 54953(e).

PASSED, APPROVED AND ADOPTED THIS THIRTIETH DAY OF AUGUST 2022.

SIGNED: _____
Chair

ATTEST: _____
Secretary

Proposed Salary Ranges for 2022 and Current Rates as of August 31, 2022

POSITION	ANNUAL RATE	MONTHLY RATE	HOURLY RATE	CURRENT RATE	CURRENT ANNUAL RATE
General Manager	126,062-183,202	10,505-15,267	N/A		153,447.60
Office Manager	52,118-84,839	4,343-7,070	25.06-40.79	32.00	66,590.80
Administrative Assistant	47,133-74,984	3,928-6,249	22.66-36.05	27.00	56,160.00
Administrative Assistant (Part Time)	47,133-74,984	3,928-6,249	22.66-36.05	36.04	21,000.00 (Part Time)
Senior Facilities Operator	70,700-106,049	5,892-8,837	33.99-50.99	42.60	88,608.00
Facilities Operator 2	47,133-96,408	3,928-8,034	22.66-46.35	42.60	88,608.00
Facilities Operator 1	47,133-74,984	3,928-6,249	22.66-36.05	32.12	66,144.00
Facilities Maintenance Worker	47,133-74,984	3,928-6,249	22.66-36.05	27.00	45,760.00



RESPONSIBILITIES AND DELEGATION OF AUTHORITY

Introduction

The purpose of this policy statement is to clarify lines of authority for all decision- making within the Kinneloa Irrigation District. The District understands the importance of having authority clarified, and it provides this statement to serve as a guide to all staff members. Any policy, however, cannot anticipate all contingencies or circumstances. All District employees have been hired because of their competence and ability to adapt to situations that can arise unexpectedly. This policy, therefore, is intended as a statement of the preferred way to make decisions, but it is not intended to get in the way of any efforts necessary to protect lives and property.

Board of Directors

The **Board of Directors** has the primary authority over all functions and activities of the District in providing reliable and safe water to its customers. The Board sets policy in public meetings, and generally refrains from becoming involved in specific operational decisions. It is important, however, that the Board be fully informed of District affairs, so that each Board member can effectively represent the people in the District.

The Board employs a **General Manager** to implement the Board policies, direct District operations, and provide day-to-day supervision of District employees and control of District expenditures. The **General Manager** may delegate responsibilities to others as appropriate.

General Manager

The **General Manager** is available to address all matters affecting the operation of the District. The **General Manager** is generally available during normal business hours as well other times when the office is closed. If not physically in the office, the **General Manager** can be contacted via home phone, mobile phone, text or email. The **General Manager** assures that all members of

the **Board of Directors**, as well as the answering service and key staff members have the **General Manager's** personal contact information. The General Manager has remote access to all the District's computers from any location where there is Internet service.

Except under circumstances where the **General Manager** is to be considered "unavailable" as defined below, District staff is instructed to contact the General Manager first as to routine District affairs, or in the event of any emergency that prevents delivery of water to our customers or risks damage to people or property. The District's **Emergency Response Plan** has additional information and contact numbers in case the **General Manager** is unavailable.

There will be times when the **General Manager** is unavailable, either because of a scheduled event, or in an emergency, or in other unusual circumstances. For purposes of this policy statement, the **General Manager** will be considered "unavailable" if any of the following is true:

- Regularly-scheduled vacation or other personal leave time
- Sick time
- Attendance at meetings or other events outside the District's boundaries, while on District business, under circumstances where the **General Manager** is not immediately reached by cell phone
- In case of emergency, where circumstances would not permit contacting the General Manager without jeopardizing people or property
- In all other circumstances where the **General Manager** cannot be reached by cell phone.

Under all circumstances where the **General Manager** is "unavailable" as specified above, the **Office Manager** has the authority to take charge for all purposes as the **Acting General Manager** until the General Manager is no longer "unavailable."

In all events, the **Facility Operators** and all other personnel report to the **General Manager** or **Acting General Manager** as shown on the attached Organizational Chart.

Computer Problems

The **General Manager** is responsible for addressing any computer hardware and software problems and serves as the District's Information Technology Manager. If he is unable to respond or is unable to solve the problem the following vendors are to be called: Dell for computer hardware support; Able Software for billing and customer support functions; Sage for accounting software support; Cricket Consulting for SCADA support. The **Office Manager** has the authority to act if the General Manager is unavailable.

Production and Distribution System Problems

The on-call **Facilities Operator** has the primary responsibility to respond to system emergencies, SCADA alarms and pages from the answering service. The backup

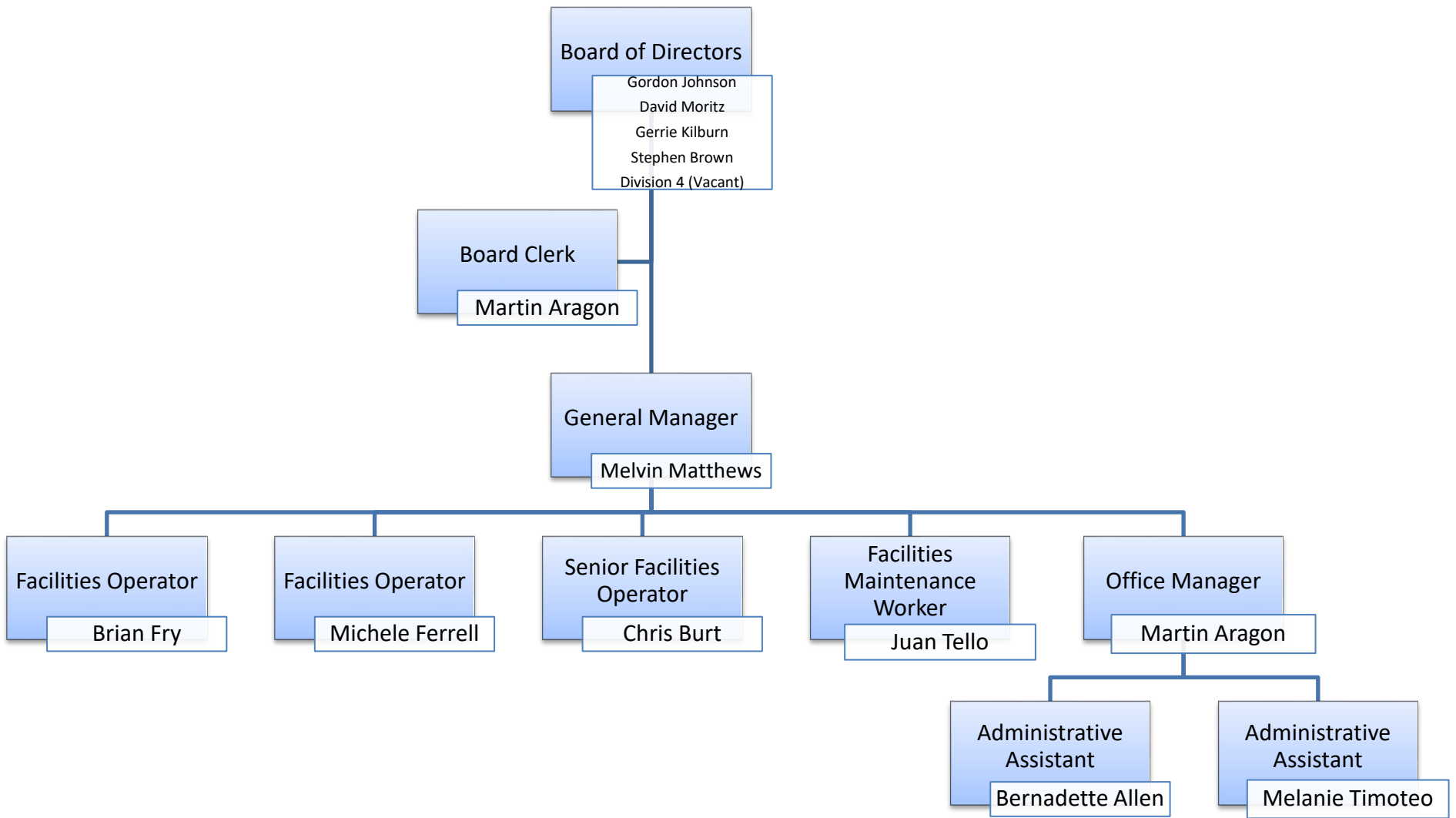
Facilities Operator and all field staff also receive pages from the answering service and is required to respond if necessary. The **Senior Facilities Operator** is available for consultation and assistance when required. Finally, the answering service is instructed call the **General Manager** first if no operators respond to the page. If no contact is made the answering service has the contact list of all personnel. These operators have the authority to take all necessary actions in the event of an emergency. The **General Manager** and District personnel are trained in the **Incident Command System** and have the authority to take charge until they are relieved by the **General Manager** or other emergency personnel. Outside resources are contained in the District's **Emergency Response Plan**.

Office Management and Customer Service

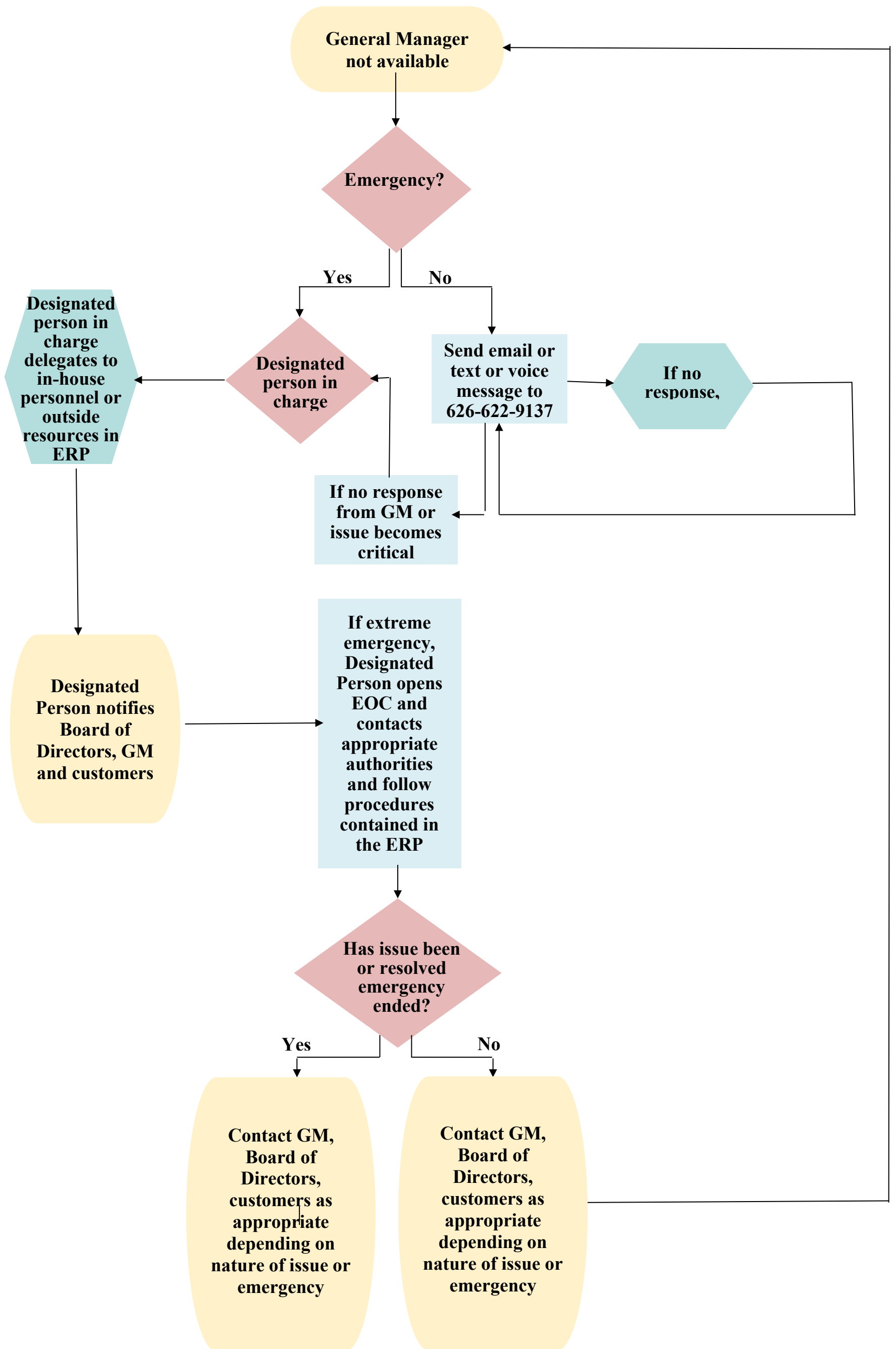
The **General Manager** has delegated to the **Office Manager** the primary responsibility for all routine tasks such as accounting, payroll, water quality reports, customer billing and customer service functions as well as any other urgent matters when the General Manager is not available. The **Office Manager** in turn may delegate some of these tasks to the **Administrative Assistant**

Board Communications

The **General Manager** or **Acting General Manager** shall communicate with the **Board of Directors**, in a timely manner, information on all non-routine events that occur in their respective divisions or in the District that affect customers or the mission of the District in the delivery of a safe and reliable water supply.



DELEGATION OF AUTHORITY FLOW CHART



Kinneloa Irrigation District 2023 Budget

(Proposed)

Account	Account Description	2023 Budget
4000	Water Sales	1,600,000
4015	Wholesale Water Sales	50,000
4020	Service Charges	10,000
4035	Interest-Reserve Fund	10,000
4036	Unrealized Gain(Loss)-Cal TRUST	25,000
Total Income		1,695,000
5000	Leased Water Rights	63,135
5005	Electricity	170,000
5010	Maintenance Supplies	40,000
5011	Material and Labor for Installs	40,000
5012	Safety Equipment	2,000
5015	Operations & Maintenance Labor	331,760
5016	Operations & Maintenance OT	20,000
5020	Stand-by Compensation	10,980
5022	Training/Certification	1,600
5025	Water Treatment/Analysis	30,000
5030	Maintenance Contractors	140,000
5034	Equipment Maintenance	25,000
5035	Vehicle Maintenance	16,000
5036	Fuel - All Equipment	22,000
5040	Equipment Rental	500
5045	Insurance-Workers Compensation	20,000
5046	Insurance-Liability	17,000
5048	Insurance-Property	2,500
5049	Insurance-Medical	92,935
6000	Engineering Services	47,500
6005	Watermaster Services	17,000
6015	Administrative Salary	174,000
6017	Administrative Travel	3,000
6020	Board of Directors Compensation	8,400
6021	Administrative & Board Expenses	1,000
6022	Board of Directors Election	12,500
6024	Customer/Public Information	15,000
6025	PERS - KID	52,800
6030	Social Security - KID	39,600
6031	Medicare - KID	9,350
6035	Office/Computer Supplies	7,000
6036	Postage/Delivery	5,000
6040	Professional Dues	16,000
6045	Legal Services	15,000
6050	Telephone	4,500
6051	Mobile Telephone	2,000
6052	Pagers	500
6053	Internet Service	1,600
6059	Computer/Software Maintenance	24,000
6061	Office Equipment Maintenance	1,000
6065	Accounting Services	7,000
6070	Office & Accounting Labor	144,100
6075	Professional/Contract Services	95,000
6080	Administrative Fees	12,440
6081	Permits/Fees	15,000
6086	Sales/Use Tax	500
6088	Interest Expense	49,000
6120	Bank Service Charges	12,000
Total Expenses		1,837,200
NET REVENUES		-142,200

Account	Account Description	2023 Budget
Recommended Expenditures for Capital Improvement Projects*		
1504	Water Mains	700,000
1505	Water Tunnels	10,000
1511	Water Treatment Plant	10,000
1512	Water Meters	20,000
1513	Electrical/Electronic Equipment	5,000
1514	Computer/Office Equipment	5,000
1515	Vehicles/Portable Equipment	45,000
1516	Water Company Facilities	30,000
1527	SCADA	10,000
1530	Tools	3,000
2400	Installation Purchase Agreement	151,202
Total Other Expenditures		989,202
NET CASH FLOW		-1,131,402

*Major projects will be prioritized during the year based on urgency and available funds and presented to the Board of Directors for approval. Some funding may come from grants or loans which would reduce the negative cash flow and increase the reserve fund at the end of the year.

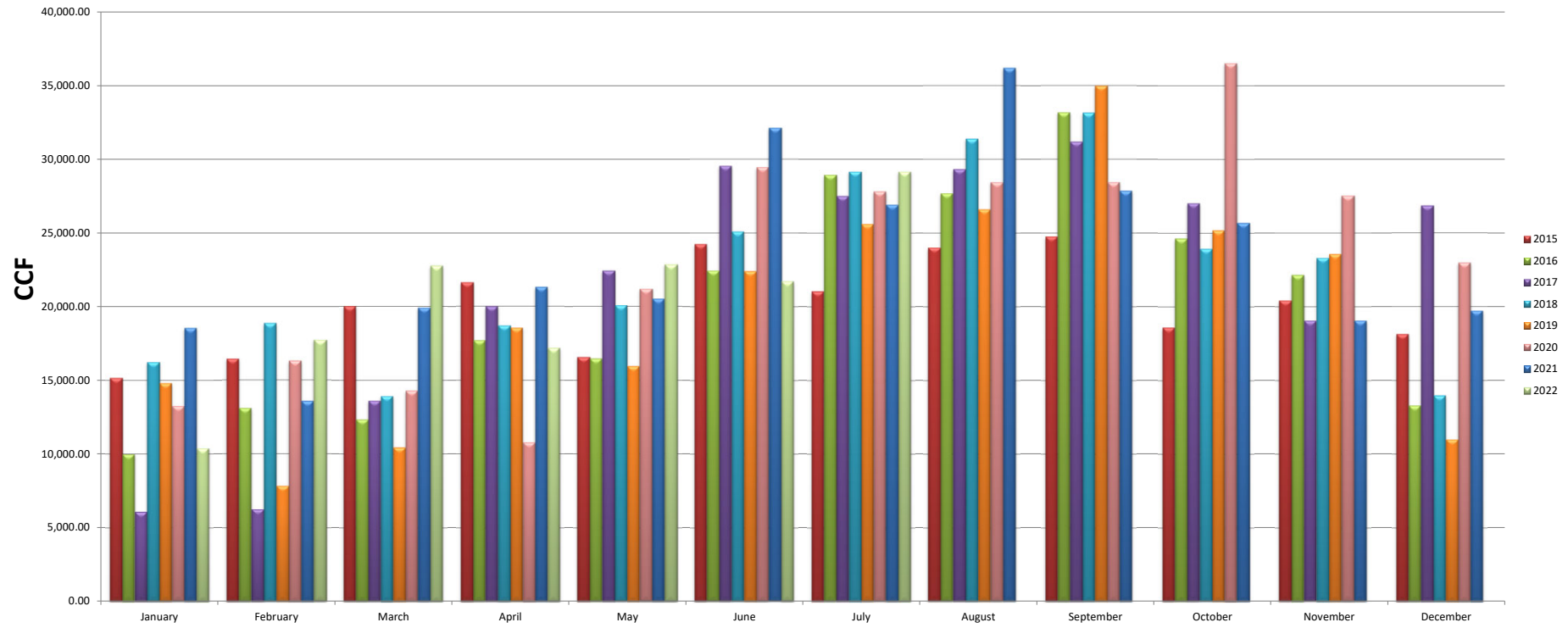
PROPOSED RATES FOR 2023 (6% increase from 2022)

Daily Service Charge (Charge Per Average Month)	\$2.48 (\$75.43)
Usage Charge	\$4.98 per unit

Water Sales, Units	214,043
Usage Charge Per Unit	\$4.98
Annual Usage (Commodity) Revenue	\$1,065,932
Daily Service Charge	\$2.48
Annual Daily Service Charge Revenue	\$534,068
Annual Water Sales	\$1,600,000
Wholesale Water Sales	\$50,000
Other Annual Revenue	\$45,000
Total Revenue	\$1,695,000
Total Expenses	\$1,837,200
Net Revenues	-\$142,200
Improvement Projects and Debt Service	\$989,202
Annual Net Cash Flow	-\$1,131,402
Reserve Fund Balance (Beginning)*	\$1,980,512
Reserve Fund Balance (Year End)*	\$849,110
Average Monthly Charge for Low Usage (10 units)	\$125
Average Monthly Charge for Medium Usage (50 units)	\$324
Average Monthly Charge for High Usage (100 units)	\$573

*Reserve fund balance includes targets of \$100,000-\$200,000 for operating reserve, \$200,000-\$400,000 for emergency repairs, \$200,000-\$400,000 for replacement of existing facilities equipment and vehicles and \$500,000-\$4,500,000 for future capital improvement projects. The total target reserve fund range is \$1,000,000-\$5,500,000.

Water Sales January 2015 through July 2022



Month\Year	2015	2016	Percentage 2016 vs. 2015	2017	Percentage 2017 vs. 2016	2018	Percentage 2018 vs. 2017	2019	Percentage 2019 vs. 2018	2020	Percentage 2020 vs. 2019	2021	Percentage 2021 vs. 2020	2022	Percentage 2022 vs. 2021
January	15,139.14	9,976.03	-34.1%	6,087.44	-39.0%	16,209.81	166.3%	14,799.07	-8.7%	13,257.20	-10.4%	18,537.86	39.8%	10,381.88	-44.0%
February	16,426.97	13,087.06	-20.3%	6,260.89	-52.2%	18,825.09	200.7%	7,814.78	-58.5%	16,296.98	108.5%	13,558.64	-16.8%	17,697.79	30.5%
March	20,017.80	12,329.17	-38.4%	13,607.67	10.4%	13,905.15	2.2%	10,428.68	-25.0%	14,285.12	37.0%	19,891.95	39.2%	22,751.99	14.4%
April	21,618.07	17,691.97	-18.2%	19,985.39	13.0%	18,676.28	-6.6%	18,528.34	-0.8%	10,780.05	-41.8%	21,303.24	97.6%	17,172.60	-19.4%
May	16,540.07	16,451.27	-0.5%	22,399.45	36.2%	20,065.74	-10.4%	15,942.43	-20.5%	21,173.67	32.8%	20,512.14	-3.1%	22,826.08	11.3%
June	24,248.07	22,444.33	-7.4%	29,548.21	31.7%	25,095.13	-15.1%	22,403.98	-10.7%	29,448.17	31.4%	32,119.81	9.1%	21,719.05	-32.4%
July	21,045.33	28,938.82	37.5%	27,507.42	-4.9%	29,171.12	6.0%	25,606.25	-12.2%	27,820.42	8.6%	26,919.11	-3.2%	29,165.24	8.3%
August	24,001.09	27,685.37	15.4%	29,322.57	5.9%	31,398.23	7.1%	26,596.35	-15.3%	28,451.82	7.0%	36,195.86	27.2%		-100.0%
September	24,753.39	33,175.96	34.0%	31,192.59	-6.0%	33,153.90	6.3%	34,990.24	5.5%	28,451.82	-18.7%	27,850.36	-2.1%		-100.0%
October	18,597.68	24,632.13	32.4%	27,026.88	9.7%	23,936.21	-11.4%	25,178.15	5.2%	36,520.21	45.0%	25,677.14	-29.7%		-100.0%
November	20,412.15	22,153.05	8.5%	19,043.64	-14.0%	23,302.79	22.4%	23,561.50	1.1%	27,531.69	16.9%	19,052.66	-30.8%		-100.0%
December	18,124.47	13,295.95	-26.6%	26,845.02	101.9%	13,968.63	-48.0%	10,982.31	-21.4%	22,972.40	109.2%	19,707.51	-14.2%		-100.0%
Total	240,924.23	241,861.11	0.4%	258,827.17	7.0%	267,708.08	3.4%	236,832.08	-11.5%	276,989.55	17.0%	281,326.28	1.6%	141,714.63	-49.6%

Kinneloa Irrigation District 2023 Budget Worksheet (Proposed Rates)

Account	Account Description	Adoped 2022 Budget	2022 FYE Forecast as of 7/31/2022	Variance of 2022 FYE Forecast to 2022 Budget	Proposed 2023 Budget	Variance of Proposed 2023 Budget to 2022 Budget	Notes
4000	Water Sales	1,500,000	1,601,866	101,866	1,600,000	100,000	Based on proposed 6% rate and lower volume sales due to conservation
4015	Wholesale Water Sales	100,000	49,188	-50,812	50,000	-50,000	Decrease due to expected decrease in available surplus water
4020	Service Charges	10,000	26,519	16,519	10,000	0	
4035	Interest-Reserve Fund	7,000	11,186	4,186	10,000	3,000	Interest rates are rising
4036	Unrealized Gain(Loss)-Cal TRUST	25,000	-26,491	-51,491	25,000	0	Net asset valud is unpredicable
4050	Capacity Chare	0	0	0	0	0	
4070	Misc. Income	0	0	0	0	0	
	Total Income	1,642,000	1,662,268	20,268	1,695,000	53,000	
5000	Leased Water Rights	63,135	63,135	0	63,135	0	Actual amount dependent on negotiation of agreement
5005	Electricity	150,000	164,750	14,750	170,000	20,000	Increase due to expected rate increase
5010	Maintenance Supplies	30,000	35,445	5,445	40,000	10,000	Increase due to expected cost in materials, expecially copper and brass
5011	Material and Labor for Install	10,000	35,917	25,917	40,000	30,000	Increase due to current cost of materials and labor
5012	Safety Equipment	2,000	1,338	-662	2,000	0	
5015	Operations & Maintenance Labor	301,600	294,607	-6,993	331,760	30,160	Recommended cost of living and merit increases
5016	Non-Emergency Operations OT	15,500	17,728	2,228	20,000	4,500	Recommended cost of living and merit increases
5020	Stand-by Compensation	10,980	10,695	-285	10,980	0	
5022	Training/Certification	1,600	1,250	-350	1,600	0	
5025	Water Treatment/Analysis	25,000	26,793	1,793	30,000	5,000	Increase due to current cost of water treatment chemicals
5030	Maintenance Contractors	140,000	129,495	-10,505	140,000	0	
5034	Equipment Maintenance	20,000	20,865	865	25,000	5,000	Increase cost for servicing aging generators
5035	Vehicle Maintenance	16,000	3,386	-12,614	16,000	0	
5036	Fuel - All Equipment	20,000	21,959	1,959	22,000	2,000	Prices for diesel and gasoline have increased
5040	Equipment Rental	500	0	-500	500	0	
5045	Insurance-Workers Comp.	20,000	10,838	-9,162	20,000	0	
5046	Insurance-Liability	17,000	17,654	654	17,000	0	15% increase in deposit premiums have been announced
5048	Insurance-Property	2,500	3,121	621	2,500	0	15% increase in deposit premiums have been announced
5049	Insurance-Medical	103,250	90,170	-13,080	92,935	-10,315	10% decrease has been announced
6000	Engineering Services	47,500	44,073	-3,427	47,500	0	
6005	Watermaster Services	16,000	16,957	957	17,000	1,000	Increase in assessment for projects and/or purchase of replenishment water
6015	Administrative Salary	158,600	153,798	-4,802	174,000	15,400	Administrative Salary is unknown pending recruitment of General Manager
6017	Administrative Travel	3,000	1,373	-1,627	3,000	0	
6020	BofD Compensation	8,400	6,350	-2,050	8,400	0	
6021	Administrative & Board Expense	1,000	423	-577	1,000	0	
6022	Board of Directors Election	12,500	344	-12,156	12,500	0	
6024	Customer/Public Information	4,000	16,714	12,714	15,000	11,000	Increase due to use of consultant for newsletter production
6025	PERS - KID	48,000	46,764	-1,236	52,800	4,800	Increase based on recommended salary increases
6030	Social Security - KID	36,000	38,327	2,327	39,600	3,600	Increase based on recommended salary increases
6031	Medicare - KID	8,500	8,530	30	9,350	850	Increase based on recommended salary increases
6035	Office/Computer Supplies	7,000	8,950	1,950	7,000	0	Increase due to inflationary increase in cost of supplies
6036	Postage/Delivery	5,000	4,127	-873	5,000	0	
6040	Professional Dues	16,000	6,912	-9,088	16,000	0	

Kinneloa Irrigation District 2023 Budget Worksheet (Proposed Rates)

Account	Account Description	Adoped 2022 Budget	2022 FYE Forecast as of 7/31/2022	Variance of 2022 FYE Forecast to 2022 Budget	Proposed 2023 Budget	Variance of Proposed 2023 Budget to 2022 Budget	Notes
6045	Legal Services	15,000	22,658	7,658	15,000	0	
6050	Telephone	4,500	3,779	-721	4,500	0	
6051	Mobile Communications	500	1,678	1,178	2,000	1,500	Mobile communications now include monthly charges for emergency radios
6052	Pagers	500	961	461	500	0	Increase due to rate increase for pager service
6053	Internet Service	1,600	1,310	-290	1,600	0	
6059	Computer/Software Maintenance	12,000	11,172	-828	24,000	12,000	Increase due to use of contractor for services previously provided by GM
6061	Office Equipment Maintenance	1,000	417	-583	1,000	0	
6065	Accounting Services	7,000	7,000	0	7,000	0	
6070	Office & Accounting Labor	131,000	124,361	-6,639	144,100	13,100	Increase based on recommended salary increases
6075	Professional/Contract Services	28,000	44,694	16,694	95,000	67,000	Increase due to use of consultants for services previously provided by GM
6080	Administrative Fees	12,440	10,238	-2,202	12,440	0	
6081	Permits/Fees	15,000	11,682	-3,318	15,000	0	
6086	Taxes - Sales/Use	3,500	0	-3,500	500	-3,000	
6088	Interest Expense	51,406	52,089	683	49,000	-2,406	Interest decreases as principle is paid
6120	Bank Service Charges	10,000	11,352	1,352	12,000	2,000	Increase due to current rates for services
Total Expenses		1,614,011	1,606,177	-7,834	1,837,200	223,189	
NET REVENUES		27,989	56,091	28,102	-142,200	-170,189	
Other Expenditures		Adoped 2022 Budget	2022 FYE Forecast as of 7/31/2022	Variance of 2022 FYE Forecast to 2022 Budget	Proposed 2023 Budget	Variance of Proposed 2023 Budget to 2022 Budget	
1504	Water Mains	700,000	0	-700,000	700,000	0	Estimated cost of pipeline project (Cost estimate from Enginner is pending)
1505	Water Tunnels	10,000	0	-10,000	10,000	0	
1511	Water Treatment Plant	6,000	3,116	-2,884	10,000	4,000	Equipment fo continuous fluoride monitoring
1512	Water Meters	200,000	207,469	7,469	20,000	-180,000	Drecrease due to completion of AMI project
1513	Electrical/Electronic Equipment	5,000	0	-5,000	5,000	0	
1514	Computer/Office Equipment	5,000	1,326	-3,674	5,000	0	
1515	Vehicles/Portable Equipment	45,000	0	-45,000	45,000	0	
1516	Water Company Facilities	30,000	0	-30,000	30,000	0	
1527	SCADA	10,000	0	-10,000	10,000	0	
1530	Tools	3,000	0	-3,000	3,000	0	
2400	Installment Purchase Agreement	148,796	148,113	-683	151,202	2,406	Principle increases as loan payments are made
Total Other Expenditures		1,162,796	360,024	-802,772	989,202	-173,594	
NET CASH FLOW		-1,134,807	-303,933	830,874	-1,131,402	3,405	

SIERRA MADRE VILLA AVE. VILLA KNOLLS DR. AND EDGECLIFF LANE
ENGINEERS ESTIMATE OF CONSTRUCTION COST

8/22/2022

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1	Mobilization and Demobilization	L.S.	1	\$50,000.00	\$50,000.00
2	Safety and Traffic Control Measures	L.S.	1	\$15,000.00	\$15,000.00
3	Provide Trench and Excavation Safety Measures	L.S.	1	\$10,000.00	\$10,000.00
4	Furnish and Install 12-inch Ductile Iron pipe in improved street r/w, pressure class 350, including: excavation, bedding, backfill, compaction, tracer wire, etc.	L.F.	1,827	\$200.00	\$365,400.00
5	Furnish and Install 10-inch Ductile Iron pipe in improved street r/w, pressure class 350, including: excavation, bedding, backfill, compaction, tracer wire, etc.	L.F.	34	\$150.00	\$5,100.00
6	Furnish and Install 8-inch Ductile Iron pipe in improved street r/w, pressure class 350, including: excavation, bedding, backfill, compaction, tracer wire, etc.	L.F.	822	\$125.00	\$102,750.00
7	Furnish and Install 6-inch Ductile Iron pipe in improved street r/w, pressure class 350, including: excavation, bedding, backfill, compaction, tracer wire, etc.	L.F.	14	\$100.00	\$1,400.00
8	Furnish and Install 6 Fire Hydrant Assembly with valve box and cover, including fittings, gaskets, etc. per KID Std.	EA.	4	\$5,000.00	\$20,000.00
9	Furnish and Install 4-inch Ductile Iron pipe in improved street r/w, pressure class 350, including: excavation, bedding, backfill, compaction, tracer wire, etc.	L.F.	12	\$90.00	\$1,080.00
10	Furnish and Install 10"x8" Ductile Iron Reducer, fittings, gaskets, etc.	EA.	1	\$200.00	\$200.00
11	Furnish and Install 10-inch Flange Coupling Adaptor with gaskets, etc.	EA.	1	\$200.00	\$200.00
12	Furnish and Install 6-inch Transition Coupling, fittings, etc.	EA.	1	\$200.00	\$200.00
13	Furnish and Install 12-inch Butterfly Valve, valve box and cover, fittings, gaskets, etc.	EA.	11	\$2,000.00	\$22,000.00
14	Furnish and Install 12-inch by 8-inch hot-tap sleeve, 8-inch tapping gate valve, etc.	EA.	1	\$1,500.00	\$1,500.00

15	Furnish and install 10-Inch Butterfly Valve, valve box and cover per KID Std.	EA.	1	\$1,500.00	\$1,500.00
16	Furnish and install 8-Inch Butterfly Valve, valve box and cover per KID Std.	EA.	7	\$1,000.00	\$7,000.00
17	Furnish and Install 3/4-inch Air Release valve Assembly with valve box and cover, including fittings, gaskets, etc. per KID Std.	EA	1	\$3,500.00	\$3,500.00
18	Furnish and Install 8-inch Pressure Sustaining Valve, including concrete pad, steel cage with cover, doors, locks, fittings, gaskets, etc.	EA	1	\$10,000.00	\$10,000.00
19	Furnish and install new 1-inch copper domestic service lateral (long and short) side, and reconnect to meter	EA	24	\$1,500.00	\$36,000.00
20	Furnish and install new 2-inch copper domestic service and reconnect to meter	EA	1	\$2,000.00	\$2,000.00
21	Furnish and Install asphalt concrete trench resurfacing for pipe and services per detail as shown on the plans	L.F.	3,194	\$5.00	\$15,970.00
22	Furnish and Install slurry seal coat per cross sections shown on the plans	SF	25,500	\$0.45	\$11,475.00
23	Pressure test, disinfect, flush, sample, disinfection testing of, water lines.	L.S.	1	\$10,000.00	\$10,000.00

TOTAL ESTIMATE

\$692,275.00