

June Lake Public Utility District
P O Box 99
June Lake, CA 93529
Office 760-648-7778 Fax 760-648-6801

THERE WILL BE A REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE JUNE LAKE PUBLIC UTILITY DISTRICT ON WEDNESDAY DECEMBER 13, 2023, AT 5:30 PM, AT 2380 HWY 158, JUNE LAKE, CA FOR THE FOLLOWING AGENDA FOR THE FOLLOWING AGENDA:

OPEN MEETING

Pledge of Allegiance

ADDITIONS TO AGENDA

[Government Code Section 54954.2(b)(2)] Additions to the agenda may be considered when two-thirds of the board members present determine a need for immediate action, and the need to act came to the attention of JLPUD after the agenda was posted; this exception requires a degree of urgency. If fewer than two-thirds of the board members are present, all must affirm the action to add an item to the agenda. The Board shall call for public comment prior to voting to add any item to the agenda after posting.

PUBLIC COMMENT

Speakers should give their name, affiliation if any and the subject they wish to comment on. Comments are limited to three (3) minutes. Discussions will **not** occur at this time. Topics should be of interest to the District. Any person may address the Board at this time upon any subject within the jurisdiction of the JLPUD; however, any matter that requires action will be referred to Staff for report and action at a subsequent Board meeting.

CONSENT CALENDAR

Check Register for November 2023
ESCB – Checking Balance \$ 368,534.92
A/R Past Due - \$ 968.65
LAIF-November 2023 / King Statements- October 2023
Revenue Budget vs Actuals (Water/Sewer) – November 2023
Expenditure Budget vs Actual Report – November 2023
ESCB Credit Card Statements – October 2023

APPROVAL OF MINUTES

Approval of Minutes from the Regular Meeting of November 8, 2023.

OLD BUSINESS

NEW BUSINESS

1. Election of Board Officers.
Officer Rotation (from December 14, 2022 meeting),

<u>President</u>	<u>Vice President</u>
2024 J. Walsh	W. Hunt
2025 W. Hunt	B. Logan
2026 B. Logan	_____

ONGOING UPDATE'S

Solar Panels at the WWTP	Rate Study	Facebook Project	Audits
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BOARD/COMMITTEE MEMBER REPORT
O&M SUPERINTENDENT'S REPORT
MANAGER'S REPORT

EXECUTIVE (Closed) SESSION

PUBLIC EMPLOYMEE PERFORMANCE EVLUATION

Pursuant to Government Code Section 54954.5

Subject: Field Staff

ADJOURNMENT Note: at any time during a regular session, the Board may adjourn to a closed session to consider litigation, personnel matters, or to discuss with legal counsel matters within the attorney-client privilege.

Authority: Government Code Section 11126(a)(d)(q). In compliance with the Americans with Disabilities Act if you need special assistance to participate in this meeting, please contact the Clerk of the Board at (760) 648-7778.

Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting (28 CFR 13, 102-35, 104 ADA Title II). Any public record, relating to an open session agenda item that is distributed within 72 hours prior to the meeting is available for public inspection at the District's office, 2380 Hwy 158, June Lake, CA 93529.

12/8/2023

CONSENT CALENDAR

CHECK REGISTER – NOVEMBER 2023

ESCB CHECKING ACCOUNT BALANCE - \$368,534.92

A/R PAST DUE – NOVEMBER 2023 – \$ 968.65

LAIF -NOVEMBER 2023 / KING STATEMENTS – OCTOBER 2023

REVENUE BUDGET vs ACTUALS (water/sewer) – NOVEMBER 2023

EXPENDITURE BUDGET vs ACTUAL REPORT (Water/Sewer) – NOVEMBER 2023

ESCB VISA CARD STATEMENTS – NOVEMBER 2023

**JUNE LAKE PUBLIC UTILITY DISTRICT
Claims/Payroll Checks List for November 2023**

Check #	Type	Vendor/Employee/Payee Number	Check Amount	Period	Date Issued
-99850	E	USPS-June Lake Post Office-billing	\$ 204.00	11/23	11/1/2023
3337	SC	SOUTHERN CALIFORNIA EDISON	\$ 173.12	11/23	11/03/23
3338	V	VOID-Amerigas		11/23	/ /
3339	SC	LINDE GAS & EQUIPMENT INC.-Supplies	\$ 57.52	11/23	11/06/23
3340	SC	USA BLUE BOOK-Supplies	\$ 2,051.17	11/23	11/06/23
3341	SC	SWRCB-J.Conrad WT Operator fee	\$ 50.00	11/23	11/06/23
3342	SC	SWRCB-J.Conrad WT Operator fee	\$ 50.00	11/23	11/06/23
3343	SC	EIDE BAILLY LLP-Accounting services	\$ 3,410.00	11/23	11/06/23
3344	SC	CONSTRUCTION SPECIALTY-Aspen Glow move lateral	\$ 37,410.17	11/23	11/06/23
3345	SC	Employee-dental	\$ 454.40	11/23	11/06/23
3346	SC	VERIZON WIRELESS-Communications	\$ 1,129.10	11/23	11/06/23
3347	SC	STREAMLINE-Website (Nov)	\$ 249.00	11/23	11/06/23
3348	SC	JUNE LAKE FIRE PROTECTION DISTRICT-Rent	\$ 700.00	11/23	11/06/23
3349	SC	GENERAL STORE-Small tools/supplies	\$ 14.02	11/23	11/06/23
3350	P	Employee-payroll	\$ 1,363.44	11/23	11/09/23
3351	P	Employee-payroll	\$ 1,650.82	11/23	11/09/23
3352	P	Director Fee's	\$ 91.25	11/23	11/09/23
3353	P	Employee-payroll	\$ 1,960.46	11/23	11/09/23
3354	P	HEALTH SDRMA	\$ 15,554.03	11/23	11/08/23
3355	P	LOCAL 12 IUOE, LOCAL 12	\$ 176.00	11/23	11/08/23
3356	SC	BEST, BEST & KRIEGER-Professional services	\$ 1,351.80	11/23	11/09/23
3357	SC	CTR WATER INC -Chief Plant Operator (Oct)	\$ 2,375.00	11/23	11/09/23
3358	SC	DO IT CENTER-Small tool/supplies	\$ 174.48	11/23	11/09/23
3359	SC	VISA-Office	\$ 4,148.00	11/23	11/09/23
3360	SC	Visa-TK -GM scharges	\$ 825.94	11/23	11/09/23
3361	SC	MAMMOTH COMM. WATER DISTRICT-Lab Services	\$ 462.00	11/23	11/09/23
3362	SC	AMERIGAS-Propane	\$ 201.29	11/23	11/09/23
3363	SC	MARZANO & SONS-Class II Base	\$ 186.69	11/23	11/09/23
3364	SC	CHANNEL UNION 76 -Fuel	\$ 2,601.16	11/23	11/13/23
3365	SC	HAAKER EQUIPMENT CO -Vactor rental	\$ 14,907.75	11/23	11/13/23
3366	SC	BOGIE'S PUMP SYSTEMS -USFS-Oh Ridge lift station	\$ 113,174.36	11/23	11/13/23
3367	SC	IT MEDIC-IT Support	\$ 85.00	11/23	11/13/23
3368	SC	PACE ANALYTICAL SERVICES, LLC -Lab samples	\$ 250.00	11/23	11/13/23
3369	SC	CALIFORNIA DEPARTMENT OF TAX & FEE-Water Rights	\$ 3,741.14	11/23	11/20/23
3370	SC	CALIFORNIA DEPARTMENT OF TAX & FEE-Water Rights	\$ 3,815.26	11/23	11/20/23
3371	SC	DUSTIN FENSTERMACHER -Mail water samples	\$ 80.11	11/23	11/20/23
3372	SC	Employee-dental	\$ 59.20	11/23	11/20/23
3373	SC	DO IT CENTER -Small tools/supplies	\$ 147.84	11/23	11/20/23
3374	SC	FRONTIER COMMUNICATIONS-Communications	\$ 1,029.74	11/23	11/20/23
3375	SC	USA BLUE BOOK-Supplies	\$ 1,749.25	11/23	11/20/23
3376	SC	WESTERN NEVADA SUPPLY -Supplies	\$ 234.02	11/23	11/20/23
3377	SC	USDA-FOREST SERVICE -Special Use Permit	\$ 680.21	11/23	11/20/23
3378	P	Employee-payroll	\$ 1,786.63	11/23	11/22/23
3379	P	Employee-payroll	\$ 1,561.68	11/23	11/22/23
3380	P	Employee-payroll	\$ 2,128.73	11/23	11/22/23
3381	SC	DO IT CENTER-Small tool/supplies	\$ 55.30	11/23	11/22/23
3382	SC	ELDRIDGE ELECTRIC & SON - WWTP Aerator Pump	\$ 3,527.39	11/23	11/22/23
3383	SC	NAPA OF BISHOP- Supplies	\$ 766.96	11/23	11/22/23
3384	SC	STANDARD INSURANCE	\$ 384.95	11/23	11/22/23
3385	SC	SOUTHERN CALIFORNIA EDISON -Utilities	\$ 5,100.09	11/23	11/22/23
3386	SC	KEN BLAISDELL -Tools Home Depot	\$ 808.98	11/23	11/22/23
3387	SC	ELDRIDGE ELECTRIC & SON-Sewer Plant Fuses	\$ 302.87	11/23	11/29/23
3388	SC	JAMES CONRAD -Clothing	\$ 103.49	11/23	11/29/23
3389	SC	VERIZON WIRELESS-Communications	\$ 1,125.70	11/23	11/29/23
3390	SC	USA BLUE BOOK-Supplies	\$ 5,247.74	11/23	11/29/23
-89029	P	FIT EFTPS	\$ 2,984.66	11/23	11/20/23
-89030	P	CALPERS-MISC CALPERS	\$ 4,083.55	11/23	11/20/23
-89031	P	Employee-payroll	\$ 1,406.29	11/23	11/22/23
-89032	P	Employee-payroll	\$ 3,210.38	11/23	11/22/23
-89033	P	Employee-payroll	\$ 1,466.53	11/23	11/22/23
-89034	P	Employee-payroll	\$ 1,359.95	11/23	11/22/23
-89035	P	Employee-payroll	\$ 2,502.75	11/23	11/22/23
-89036	P	Employee-payroll	\$ 1,899.44	11/23	11/22/23
-89037	P	CALPERS-MISC CALPERS	\$ 4,053.93	11/23	11/13/23
-89038	P	Employee Deduction	\$ 400.00	11/23	11/08/23
-89039	P	FIT EFTPS	\$ 2,915.81	11/23	11/08/23
-89040	P	Employee-payroll	\$ 1,406.29	11/23	11/09/23
-89041	P	Director Fee's	\$ 91.25	11/23	11/09/23
-89042	P	Employee-payroll	\$ 3,128.66	11/23	11/09/23
-89043	P	Employee-payroll	\$ 1,812.89	11/23	11/09/23
-89044	P	Director Fee's	\$ 91.25	11/23	11/09/23
-89045	P	Employee-payroll	\$ 1,359.95	11/23	11/09/23
-89046	P	Employee-payroll	\$ 2,502.75	11/23	11/09/23
-89047	P	Employee-payroll	\$ 1,899.44	11/23	11/09/23
TOTAL			\$ 280,505.02		
PAYROLL			\$ 64,848.81		
CLAIMS			\$ 215,656.21		
TOTAL			\$ 280,505.02		

California State Treasurer *Fiona Ma, CPA*



Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001
(916) 653-3001

December 04, 2023

[LAIF Home](#)
[PMIA Average Monthly Yields](#)

JUNE LAKE PUBLIC UTILITY DISTRICT

SECRETARY
P.O. BOX 99
JUNE LAKE, CA 93529

Tran Type Definitions

Account Number: 85-26-001

November 2023 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Web Confirm Number	Authorized Caller	Amount
11/14/2023	11/13/2023	RW	1742821	1703216	TODD KIDWELL	-150,000.00

Account Summary

Total Deposit:	0.00	Beginning Balance:	2,669,473.62
Total Withdrawal:	-150,000.00	Ending Balance:	2,519,473.62

Statement for the Period October 1, 2023 to October 31, 2023

JUNE LAKE PUBLIC UTILITY DISTRICT - Corporation
Account Number: A4B-574244



Securities offered through Cambridge Investment Research, Inc. Member FINRA/SIPC.
Advisory services through Cambridge Investment Research Advisors, Inc., a Registered Investment Adviser. Cambridge and King Capital Advisors are not affiliated.

Account Overview

CHANGE IN ACCOUNT VALUE	Current Period	Year-to-Date
BEGINNING VALUE	\$1,161,953.01	\$1,145,612.90
Additions and Withdrawals	\$0.00	\$2.09
Misc. & Corporate Actions	\$0.00	\$0.00
Income	\$4,373.74	\$26,372.51
Taxes, Fees and Expenses	(\$2.00)	(\$4.00)
Change in Value	(\$672.00)	(\$6,330.75)
ENDING VALUE (AS OF 10/31/23)	\$1,165,652.75	\$1,165,652.75
Total Accrued Interest	\$10,796.45	
Ending Value with Accrued Interest	\$1,176,449.20	

Refer to Miscellaneous Footnotes for more information on Change in Value.

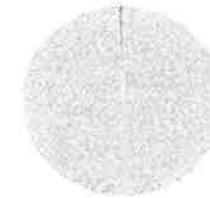
INCOME	Current Period	Year-to-Date
TAXABLE		
Taxable Dividends	\$25.59	\$839.38
Taxable Interest	\$4,348.15	\$25,533.13
TOTAL TAXABLE	\$4,373.74	\$26,372.51
TOTAL INCOME	\$4,373.74	\$26,372.51

Taxable income is determined based on information available to NFS at the time the statement was prepared, and is subject to change. Final information on taxation of interest and dividends is available on Form 1099-Div, which is mailed in February of the subsequent year.

TAXES, FEES AND EXPENSES	Current Period	Year-to-Date
Account Fees	(\$2.00)	(\$4.00)
TOTAL TAXES, FEES AND EXPENSES	(\$2.00)	(\$4.00)

ACCOUNT ALLOCATION

Money Markets 0.8%



CDs 99.2%

	Percent	Prior Period	Current Period
Money Markets	0.8 %	\$4,512.21	\$8,883.95
CDs	99.2	\$1,157,440.80	\$1,156,768.80
TOTAL	100.0 %	\$1,161,953.01	\$1,165,652.75

Account Allocation shows the percentage that each asset class represents of your total account value. Account Allocation for equities, fixed income, and other categories may include mutual funds and may be net of short positions. NFS has made assumptions concerning how certain mutual funds are allocated. Closed-end mutual funds and Exchange Traded Products (ETPs) listed on an exchange may be included in the equity allocation. The chart may not reflect your actual portfolio allocation. Consult your broker/dealer prior to making investment decisions.

JUNE LAKE PUBLIC UTILITY DISTRICT
Statement of Expenditure - Budget vs. Actual Report
For the Accounting Period: 11 / 23

Fund Account	Object	Committed Current Month	Committed YTD	Original Appropriation	Current Appropriation	Available Appropriation	% Committed
10	SEWER						
5300	SEWER						
5310	Sewer Collection						
110	Salaries	6,480.29	28,597.10	73,400.00	73,400.00	44,802.90	39 %
210	Supplies	252.62	1,218.51	48,391.00	8,391.00	7,172.49	15 %
310	Contractual Services	14,907.75	193,907.75	150,000.00	180,000.00	-13,907.75	108 %
320	Utilities	2,001.45	12,173.27	30,271.00	30,271.00	18,097.73	40 %
	Account Total:	23,642.11	235,896.63	302,062.00	292,062.00	56,165.37	81 %
5330	Sewer Treatment						
110	Salaries	5,100.10	27,094.25	75,152.00	75,152.00	48,057.75	36 %
210	Supplies	381.44	6,202.66	10,000.00	10,000.00	3,797.34	62 %
310	Contractual Services	5,308.00	11,635.88	5,435.00	12,435.00	799.12	94 %
320	Utilities	19.25	30,121.71	58,099.00	58,099.00	27,977.29	52 %
	Account Total:	10,808.79	75,054.50	148,686.00	155,686.00	80,631.50	48 %
5340	Mosquito						
110	Salaries	0.00	7,608.00	9,000.00	9,000.00	1,392.00	85 %
210	Supplies	0.00	0.00	2,000.00	2,000.00	2,000.00	0 %
310	Contractual Services	0.00	0.00	500.00	500.00	500.00	0 %
	Account Total:	0.00	7,608.00	11,500.00	11,500.00	3,892.00	66 %
	Account Group Total:	34,450.90	318,559.13	462,248.00	459,248.00	140,688.87	69 %
6100	Administrative and General						
6100	Administrative and General						
110	Salaries	11,064.75	58,261.25	134,457.00	134,457.00	76,195.75	43 %
111	Directors Fees	150.00	1,075.00	2,125.00	2,125.00	1,050.00	51 %
112	Vac/Hol/SL	3,754.72	24,340.25	55,347.00	55,347.00	31,006.75	44 %
113	Travel, Meetings & Mileage	0.00	301.46	1,248.00	1,248.00	946.54	24 %
120	PERS Emplr Contribution	2,638.55	13,796.28	27,000.00	27,000.00	13,203.72	51 %
121	CalPers Unfunded Liability	4,985.67	4,985.67	72,199.00	72,199.00	67,213.33	7 %
130	Health Insurance	4,086.64	18,755.86	58,764.00	58,764.00	40,008.14	32 %
131	Dental/Vision Insurance	256.80	789.30	2,000.00	2,000.00	1,210.70	39 %
132	LTD & Life Ins	192.48	1,172.34	3,000.00	3,000.00	1,827.66	39 %
140	State Compensation	0.00	16,741.36	16,700.00	16,700.00	-41.36	100 %
150	Employer Social Security	9.30	535.62	500.00	500.00	-35.62	107 %
151	Employer Medicare	390.68	2,168.98	4,461.00	4,461.00	2,292.02	49 %
220	Gas, Oil & Fuel	1,300.58	5,081.60	11,171.00	11,171.00	6,089.40	45 %
225	Maintenance, Vehicle & Contractual	383.48	860.81	3,000.00	3,000.00	2,139.19	29 %
240	Office Expenses	561.09	1,183.31	3,000.00	3,000.00	1,816.69	39 %
250	Communication	1,732.18	5,695.11	6,000.00	6,000.00	304.89	95 %
270	Sm Tools & Supplies	618.20	1,178.59	3,000.00	3,000.00	1,821.41	39 %
310	Contractual Services	1,872.00	11,917.62	10,000.00	10,000.00	-1,917.62	119 %
320	Utilities	6.45	24.44	430.00	430.00	405.56	6 %
340	Dues, Subsc & Fees	1,442.52	6,500.17	40,000.00	40,000.00	33,499.83	16 %
350	Professional Svcs	600.90	10,206.70	25,000.00	25,000.00	14,793.30	41 %
360	Gen'l Insurance	0.00	17,151.78	17,375.00	17,375.00	223.22	99 %
380	Rents & Leases	350.00	1,621.50	3,558.00	3,558.00	1,936.50	46 %
705	Capital Equipment - Vehicles	0.00	29,919.78	65,000.00	65,000.00	35,080.22	46 %
	Account Total:	36,396.99	234,264.78	565,335.00	565,335.00	331,070.22	41 %

12/06/23
12:52:30

JUNE LAKE PUBLIC UTILITY DISTRICT
Statement of Expenditure - Budget vs. Actual Report
For the Accounting Period: 11 / 23

Page: 2 of 3
Report ID: B100C

Fund Account	Object	Committed Current Month	Committed YTD	Original Appropriation	Current Appropriation	Available Appropriation	% Committed
10	SEWER						
	Account Group Total:	36,396.99	234,264.78	565,335.00	565,335.00	331,070.22	41 %
6300	USFS						
6310	USFS MAINT						
110	Salaries	360.00	2,447.68	3,000.00	3,000.00	552.32	82 %
	Account Total:	360.00	2,447.68	3,000.00	3,000.00	552.32	82 %
	Account Group Total:	360.00	2,447.68	3,000.00	3,000.00	552.32	82 %
	Fund Total:	71,207.89	555,271.59	1,030,583.00	1,027,583.00	472,311.41	54 %
20	WATER						
5300	SEWER						
5330	Sewer Treatment						
310	Contractual Services	0.00	1,468.13	0.00	0.00	-1,468.13	*** %
320	Utilities	0.00	6.43	0.00	0.00	-6.43	*** %
	Account Total:	0.00	1,474.56	0.00	0.00	-1,474.56	*** %
	Account Group Total:	0.00	1,474.56	0.00	0.00	-1,474.56	*** %
5400	WATER						
5420	Pumping						
320	Utilities	2,045.87	13,036.57	32,611.00	32,611.00	19,574.43	40 %
	Account Total:	2,045.87	13,036.57	32,611.00	32,611.00	19,574.43	40 %
5430	Water Treatment						
110	Salaries	6,098.26	41,746.08	100,480.00	100,480.00	58,733.92	42 %
210	Supplies	10,614.25	70,410.63	116,000.00	116,000.00	45,589.37	61 %
310	Contractual Services	2,269.84	15,088.56	20,000.00	20,000.00	4,911.44	75 %
320	Utilities	1,395.04	5,121.67	19,376.00	19,376.00	14,254.33	26 %
	Account Total:	20,377.39	132,366.94	255,856.00	255,856.00	123,489.06	52 %
5440	Transmission and Distribution						
110	Salaries	2,439.72	11,051.60	38,311.00	38,311.00	27,259.40	29 %
210	Supplies	59.16	2,853.48	16,458.00	16,458.00	13,604.52	17 %
310	Contractual Services	37,410.17	38,945.97	10,000.00	13,000.00	-25,945.97	300 %
	Account Total:	39,909.05	52,851.05	64,769.00	67,769.00	14,917.95	78 %
5450	Meter						
110	Salaries	1,308.55	3,125.81	19,261.00	19,261.00	16,135.19	16 %
210	Supplies	0.00	-685.06	15,000.00	15,000.00	15,685.06	-5 %
	Account Total:	1,308.55	2,440.75	34,261.00	34,261.00	31,820.25	7 %
	Account Group Total:	63,640.86	200,695.31	387,497.00	390,497.00	189,801.69	51 %
6100	Administrative and General						
6100	Administrative and General						
110	Salaries	9,688.75	54,234.89	132,804.00	132,804.00	78,569.11	41 %
111	Directors Fees	150.00	1,075.00	2,125.00	2,125.00	1,050.00	51 %
112	Vac/Hol/SL	994.87	3,508.10	12,933.00	12,933.00	9,424.90	27 %
113	Travel, Meetings & Mileage	0.00	851.08	2,500.00	2,500.00	1,648.92	34 %
120	PERS Emplr Contribution	1,885.65	9,983.07	20,115.00	20,115.00	10,131.93	50 %

12/06/23
12:52:30

JUNE LAKE PUBLIC UTILITY DISTRICT
Statement of Expenditure - Budget vs. Actual Report
For the Accounting Period: 11 / 23

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Report ID: B100C

Fund Account	Object	Committed Current Month	Committed YTD	Original Appropriation	Current Appropriation	Available Appropriation	% Committed
20 WATER							
121	CalPers Unfunded Liability	4,985.66	4,985.66	72,199.00	72,199.00	67,213.34	7 %
130	Health Insurance	3,750.42	18,319.95	60,000.00	60,000.00	41,680.05	31 %
131	Dental/Vision Insurance	256.80	789.30	2,000.00	2,000.00	1,210.70	39 %
132	LTD & Life Ins	192.47	1,172.28	2,860.00	2,860.00	1,687.72	41 %
140	State Compensation	0.00	16,741.36	16,696.00	16,696.00	-45.36	100 %
150	Employer Social Security	9.30	66.65	100.00	100.00	33.35	67 %
151	Employer Medicare	300.38	1,666.46	3,753.00	3,753.00	2,086.54	44 %
220	Gas, Oil & Fuel	1,300.58	5,081.59	11,215.00	11,215.00	6,133.41	45 %
225	Maintenance, Vehicle & Contractual	383.48	860.77	3,000.00	3,000.00	2,139.23	29 %
240	Office Expenses	561.10	1,170.14	3,000.00	3,000.00	1,829.86	39 %
250	Communication	1,859.64	6,314.30	6,000.00	6,000.00	-314.30	105 %
270	Sm Tools & Supplies	618.20	970.47	2,000.00	2,000.00	1,029.53	49 %
310	Contractual Services	1,872.00	11,917.64	25,000.00	25,000.00	13,082.36	48 %
320	Utilities	6.44	24.42	0.00	0.00	-24.42	*** %
340	Dues, Subsc & Fees	8,418.72	13,819.38	17,219.00	17,219.00	3,399.62	80 %
350	Professional Srvs	600.90	10,206.70	25,000.00	25,000.00	14,793.30	41 %
360	Gen'l Insurance	0.00	17,151.79	17,375.00	17,375.00	223.21	99 %
380	Rents & Leases	350.00	1,621.50	3,558.00	3,558.00	1,936.50	46 %
705	Capital Equipment - Vehicles	0.00	29,919.78	65,000.00	65,000.00	35,080.22	46 %
	Account Total:	38,185.36	212,452.28	506,452.00	506,452.00	293,999.72	42 %
	Account Group Total:	38,185.36	212,452.28	506,452.00	506,452.00	293,999.72	42 %
	Fund Total:	101,826.22	414,622.15	893,949.00	896,949.00	482,326.85	46 %
	Grand Total:	173,034.11	969,893.74	1,924,532.00	1,924,532.00	954,638.26	50 %

12/06/23
14:10:20

JUNE LAKE PUBLIC UTILITY DISTRICT
Statement of Revenue Budget vs Actuals
For the Accounting Period: 11 / 23

Page: 1 of 2
Report ID: B110C

Fund	Account	Received Current Month	Received YTD	Estimated Revenue	Revenue To Be Received	% Received
10 SEWER						
4100 TAXES						
	4110 Property Tax & Assmt Cur Secured	0.00	30,334.94	360,012.00	329,677.06	8 %
	4120 Property Tax & Assmt Cur Unsecured	0.00	39.25	30,572.00	30,532.75	0 %
	4130 Unitary Tax	0.00	0.00	6,422.00	6,422.00	0 %
	Account Group Total:	0.00	30,374.19	397,006.00	366,631.81	8 %
4300 CHARGES FOR SERVICES						
	4310 User Service Charge	41,272.24	246,664.91	549,864.00	303,199.09	45 %
	4330 Delinquent User Chgs	670.51	3,559.44	6,693.00	3,133.56	53 %
	4332 Other Serv Chgs	0.00	10,894.11	19,317.00	8,422.89	56 %
	Account Group Total:	41,942.75	261,118.46	575,874.00	314,755.54	45 %
4600 LEASES, INTEREST and LATE CHARGES						
	4610 Interest From Investments	0.00	0.00	1,014.00	1,014.00	0 %
	4620 Cell Tower Lease SBA	1,142.58	5,542.58	12,100.00	6,557.42	46 %
	Account Group Total:	1,142.58	5,542.58	13,114.00	7,571.42	42 %
4700 FEES						
	4705 Returned Check Fee	17.25	70.00	0.00	-70.00	** %
	4710 Inspection Fees	72.00	288.00	441.00	153.00	65 %
	4720 Connection Fees	6,389.00	19,781.00	31,343.00	11,562.00	63 %
	4730 Tapping Fee	576.00	1,452.00	1,783.00	331.00	81 %
	Account Group Total:	7,054.25	21,591.00	33,567.00	11,976.00	64 %
4800 Miscellaneous Revenue						
	4800 Miscellaneous Revenue	0.00	0.00	9,142.00	9,142.00	0 %
	Account Group Total:	0.00	0.00	9,142.00	9,142.00	0 %
	Fund Total:	50,139.58	318,626.23	1,028,703.00	710,076.77	31 %
11 SEWER FACILITY CAPITAL IMPROVEMENT (PLANT)						
4700 FEES						
	4701 Local Bene #1	0.00	2,308.83	11,434.00	9,125.17	20 %
	Account Group Total:	0.00	2,308.83	11,434.00	9,125.17	20 %
	Fund Total:	0.00	2,308.83	11,434.00	9,125.17	20 %
20 WATER						
4100 TAXES						
	4110 Property Tax & Assmt Cur Secured	0.00	30,334.93	360,012.00	329,677.07	8 %
	4120 Property Tax & Assmt Cur Unsecured	0.00	39.24	30,572.00	30,532.76	0 %
	4130 Unitary Tax	0.00	0.00	6,422.00	6,422.00	0 %
	Account Group Total:	0.00	30,374.17	397,006.00	366,631.83	8 %
4300 CHARGES FOR SERVICES						
	4310 User Service Charge	36,653.00	241,794.69	536,839.00	295,044.31	45 %

12/06/23
14:10:20

JUNE LAKE PUBLIC UTILITY DISTRICT
Statement of Revenue Budget vs Actuals
For the Accounting Period: 11 / 23

Page: 2 of 2
Report ID: B110C

Fund	Account	Received Current Month	Received YTD	Estimated Revenue	Revenue To Be Received	% Received
20 WATER						
	4315 Water Sales - Other	0.00	254.00	259.00	5.00	98 %
	4332 Other Serv Chgs	0.00	2,488.12	3,720.00	1,231.88	67 %
	Account Group Total:	36,653.00	244,536.81	540,818.00	296,281.19	45 %
4600 LEASES, INTEREST and LATE CHARGES						
	4610 Interest From Investments	0.00	0.00	1,014.00	1,014.00	0 %
	Account Group Total:	0.00	0.00	1,014.00	1,014.00	0 %
4700 FEES						
	4705 Returned Check Fee	17.25	70.00	0.00	-70.00	** %
	4710 Inspection Fees	72.00	288.00	449.00	161.00	64 %
	4720 Connection Fees	0.00	4,735.00	31,325.00	26,590.00	15 %
	4730 Tapping Fee	292.00	2,020.00	3,598.00	1,578.00	56 %
	4735 Reconnection Fee	0.00	100.00	0.00	-100.00	** %
	4745 Misc. Non-Operating Revenues	0.00	0.00	79,846.00	79,846.00	0 %
	4750 Fixture Costs	341.00	1,287.00	2,094.00	807.00	61 %
	Account Group Total:	722.25	8,500.00	117,312.00	108,812.00	7 %
	Fund Total:	37,375.25	283,410.98	1,056,150.00	772,739.02	27 %
21 VILLIAGE IMPROVEMENT						
4600 LEASES, INTEREST and LATE CHARGES						
	4630 JLWTP Rev Bond	-16.44	4,724.03	55,160.00	50,435.97	9 %
	Account Group Total:	-16.44	4,724.03	55,160.00	50,435.97	9 %
4700 FEES						
	4720 Connection Fees	4,464.00	17,242.00	8,845.00	-8,397.00	195 %
	Account Group Total:	4,464.00	17,242.00	8,845.00	-8,397.00	195 %
	Fund Total:	4,447.56	21,966.03	64,005.00	42,038.97	34 %
	Grand Total:	91,962.39	626,312.07	2,160,292.00	1,533,979.93	29 %



Rewards Bonus Points Available
21,742

Account Summary

Billing Cycle		11/01/2023
Days In Billing Cycle		31
Previous Balance		\$515.17
Purchases	+	\$825.94
Cash	+	\$0.00
Balance Transfers	+	\$0.00
Special	+	\$0.00
Credits	-	\$0.00
Payments	-	\$515.17
Other Charges	+	\$0.00
Finance Charges	+	\$0.00

NEW BALANCE \$825.94

Credit Summary

Total Credit Line	\$12,500.00
Available Credit Line	\$11,674.06
Available Cash	\$0.00
Amount Over Credit Line	\$0.00
Amount Past Due	\$0.00
Disputed Amount	\$0.00

Account Inquiries

- Call us at: (800) 883-0131
Lost or Stolen Card: (800) 883-0131
- Go to MyCardStatement.com
- Write us at PO BOX 105666, ATLANTA, GA 30348-5666

Payment Summary

NEW BALANCE	\$825.94
MINIMUM PAYMENT	\$825.94
PAYMENT DUE DATE	11/26/2023

NOTE: Grace period to avoid a finance charge on purchases, pay entire new balance by payment due date. Finance charge accrues on cash advances until paid and will be billed on your next statement.

Cardholder Account Summary

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/10	10/12			PAYMENT - THANK YOU	\$515.17-
10/14	10/16	PBUS01		VONS #2400 MAMMOTH LAKES CA	\$37.98
10/16	10/17	PBUS01		PCH WIRELESS MAMMOTH LAKE MAMMOTH LAKES CA	\$68.91
10/18	10/19	PBUS01		AMAZON.COM* SEATTLE WA	\$186.37
10/19	10/20	PBUS01		AMZN Mktp US* Amzn.com/bill WA	\$130.80
10/23	10/24	PBUS01		HACH COMPANY 970-663-1377 CO	\$128.81
10/25	10/25	PBUS01		AMZN Mktp US* Amzn.com/bill WA	\$155.09
10/26	10/27	PBUS01		CBI*PARALLELS 800-799-9570 IL	\$119.99
10/27	10/29	PBUS01		ZOOM.US 888-799-9666 WWW.ZOOM.US CA	\$15.99

PLEASE DETACH COUPON AND RETURN PAYMENT USING THE ENCLOSED ENVELOPE - ALLOW UP TO 7 DAYS FOR RECEIPT

TCM BANK NA
 PO BOX 105666
 ATLANTA GA 30348-5666

Account Number
 ####-####-####

Check box to indicate name/address change on back of this coupon

AMOUNT OF PAYMENT ENCLOSED

Closing Date	New Balance	Total Minimum Payment Due	Payment Due Date
11/01/23	\$825.94	\$825.94	11/26/23

\$

JUNE LAKE PUBLIC UTILITY
 PO BOX 99
 JUNE LAKE CA 93529-0099



MAKE CHECK PAYABLE TO:

VISA
 PO BOX 6818
 CAROL STREAM IL 60197-6818

18 4009 7713 6500 7037 00082594 00082594 4



Rewards Bonus Points Available 61,008

Account Summary

Billing Cycle		11/01/2023
Days In Billing Cycle		31
Previous Balance		\$1,440.41
Purchases	+	\$4,148.00
Cash	+	\$0.00
Balance Transfers	+	\$0.00
Special	+	\$0.00
Credits	-	\$0.00
Payments	-	\$1,440.41
Other Charges	+	\$0.00
Financa Charges	+	\$0.00
NEW BALANCE		\$4,148.00

Credit Summary

Total Credit Line	\$12,500.00
Available Credit Line	\$8,352.00
Available Cash	\$1,000.00
Amount Over Credit Line	\$0.00
Amount Past Due	\$0.00
Disputed Amount	\$0.00

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- Go to MyCardStatement.com
- Write us at PO BOX 105666, ATLANTA, GA 30348-5666

Payment Summary

NEW BALANCE	\$4,148.00
MINIMUM PAYMENT	\$4,148.00
PAYMENT DUE DATE	11/26/2023

NOTE: Grace period to avoid a finance charge on purchases, pay entire new balance by payment due date. Finance charge accrues on cash advances until paid and will be billed on your next statement

Cardholder Account Summary

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/02	10/03	PBUS01		USPS PO 0538580529 JUNE LAKE CA	\$398.31
10/05	10/06	PBUS01		ADOBE *ACROPRO SUBS 408-536-6000 CA	\$14.99
10/10	10/12			PAYMENT - THANK YOU	\$1,440.41-
10/12	10/13	PBUS01		AMZN Mktp US* [redacted] Amzn.com/bill WA	\$647.73
10/13	10/15	PBUS01		Staples Inc staples.com MA	\$20.37
10/13	10/15	PBUS01		AMZN Mktp US* [redacted] Amzn.com/bill WA	\$65.49
10/13	10/15	PBUS01		USPS PO 0538580529 JUNE LAKE CA	\$87.35
10/14	10/16	PBUS01		Staples Inc staples.com MA	\$276.18
10/16	10/17	PBUS01		AMAZON.COM [redacted] SEATTLE WA	\$116.16
10/16	10/17	PBUS01		Amazon.com* [redacted] Amzn.com/bill WA	\$41.17
10/17	10/18	PBUS01		MSFT * [redacted] MSBILL.INFO WA	\$1,188.26
10/17	10/18	PBUS01		MSFT * [redacted] MSBILL.INFO WA	\$80.40
10/17	10/18	PBUS01		AMZN Mktp US* [redacted] Amzn.com/bill WA	\$7.47
10/17	10/18	PBUS01		AMZN Mktp US* [redacted] Amzn.com/bill WA	\$124.38

PLEASE DETACH COUPON AND RETURN PAYMENT USING THE ENCLOSED ENVELOPE - ALLOW UP TO 7 DAYS FOR RECEIPT

TCM BANK NA
PO BOX 105666
ATLANTA GA 30348-5666

Account Number
####-####-####-####

Check box to indicate name/address change on back of this coupon
AMOUNT OF PAYMENT ENCLOSED

Closing Date	New Balance	Total Minimum Payment Due	Payment Due Date
11/01/23	\$4,148.00	\$4,148.00	11/26/23

JUNE LAKE PUBLIC UTILITY
PO BOX 99
JUNE LAKE GA 93529-0099



MAKE CHECK PAYABLE TO

VISA
PO BOX 6818
CAROL STREAM IL 60197-6818

JUNE LAKE PUBLIC UTILITY

Account Number: #### #### ####

Page 3 of 3

Cardholder Account Summary Continued					
Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/21	10/22	PBUS01		CBI*PARALLELS 800-799-9570 IL	\$119.99
10/28	10/29	PBUS01		ADOBE INC. CA	\$19.99
10/27	10/29	PBUS01		ADOBE INC. CA	\$19.99
10/29	10/30	PBUS01		Indeed Jobs 800-4625842 TX	\$522.95
10/30	10/31	PBUS01		Amazon.com* Amzn.com/bill WA	\$293.14
10/31	11/01	PBUS01		AMZN Mktp US Amzn.com/bill WA	\$18.60
10/31	11/01	PBUS01		AMZN Mktp US Amzn.com/bill WA	\$105.08

Rewards Bonus Points Information as of 10/31/2023					
Rewards	Beginning Balance	Points Earned	Points Adjusted	Points Redeemed	Ending Balance
	57,194	3,814	0	0	61,008

Finance Charge Summary / Plan Level Information									
Plan Name	Plan Description	FCM ¹	Average Daily Balance	Periodic Rate *	Corresponding APR	Finance Charges	Effective APR Fees **	Effective APR	Ending Balance
Purchases									
PBUS01 001	PURCHASE	G	\$0.00	2.27000%(M)	27.2400%(V)	\$0.00	\$0.00	0.0000%	\$4,148.00
Cash									
CBUS01 001	CASH	A	\$0.00	2.52000%(M)	30.2400%(V)	\$0.00	\$0.00	0.0000%	\$0.00

* Periodic Rate (M)=Monthly (D)=Daily
 ** Includes cash advance and foreign currency fees
 Days In Billing Cycle: 31
 APR = Annual Percentage Rate
¹ FCM = Finance Charge Method
 (V) = Variable Rate If you have a variable rate account the periodic rate and Annual Percentage Rate (APR) may vary.

MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS
JUNE LAKE PUBLIC UTILITY DISTRICT

President Hallum called the regular meeting of November 8, 2023, of the Board of Directors of the June Lake Public Utility District (JLPUD) to order at 5:34 p.m.

Pledge of Allegiance

A. ROLL CALL

Directors Present: Hallum, Logan and Hunt (phone in)

Directors absent: Walsh

Staff Present: Manager Kidwell and Secretary Baldwin

Staff Absent: Superintendent Blaisdell

B. ADDITIONS TO AGENDA - None

C. PUBLIC COMMENT

Paul McFarlan was present to introduce himself, he is running for County Supervisor for District 3. He gave a brief bio and answered some general questions.

Bill Hunt commented that he attended the housing working group in Mammoth. He stated that Mammoth Community Water District has a very "robust" housing program and encouraged everyone to keep an eye on it. He then commented that he read an article regarding electrical prices. It sounds like they will be increasing in the coming months.

D. CONSENT CALENDAR

Board action: to accept Consent Calendar as written.

Motion by: Director Logan

Seconded by: Director Hunt

Motion: passed unanimously (1 absent)

E. APPROVAL OF MINUTES

1. Board action: to approve Regular Minutes from October 11, 2023, as written

Director Hallum asked GM Kidwell if the office lease/rental agreement was completed and given to the landlords, GM Kidwell said yes.

Motion by: Director Logan

Seconded by: Director Hunt

Motion: passed unanimously (1 absent)

F. OLD BUSINESS

1. Board action: to adopt Ordinance 2023-01, as written

Motion by: Director Logan

Seconded by: Director Hunt

Motion: passed unanimously by the following vote; Director Logan-yea, Director Hunt-yea, Director Hallum-yea, Director Walsh-absent.

2. Board action: to adopt Resolution 2023-06 as written

Motion by: Director Logan

Seconded by: Director Hunt

Motion: passed unanimously by the following vote; Director Logan-yea, Director Hunt-yea, Director Hallum-yea, Director Walsh-absent.

G. NEW BUSINESS

1. Board action: approve the Employee Christmas Bonuses for 2023. Follow guidelines from last year.

Motion by: Director Logan

Seconded by: Director Hunt

Motion: passed unanimously

H. ONGOING PROJECT UPDATES

1. Solar Panels at WWTP: GM Kidwell received more quotes for the project. It will cost approximately \$466,000 and the saving benefit will be around \$1.5 million. The project is in the Mono County Scenic Byway, so Pam is working with District 3 County Supervisor Bob Gardner with this phase of the project.

2. Facebook Project: Not much movement on this. Director Hunt and GM Kidwell will get together.

3. Rate Study: GM Kidwell asked for more time. Maybe the end of December 2023 or January 2023.

4. Slip Line Project: We completed another 20% and are done for this year. The district has slip lined approximately 40% of the identified sewer issues.

5. Lincoln 457B Plan-Board Members: Board can participate.

6. Oh! Ridge Project: Will be completed by the end of this week.

Director Hallum stated it is not a high priority, but to consider upgrading the WWTP and combining the community of Lee Vining. This might assist both communities with population numbers and possible grant funding.

I. DIRECTOR'S/COMMITTEE REPORT

Personnel Committee: Director Logan was approached by an employee who expressed some concerns about staff not having the proper credentials and would like to agenize this for the December meeting.

Finance Committee: Nothing to report. Union negotiations are coming up this spring.

Treasure – none

J. O&M SUPERINTENDENT REPORT

1. SAFETY

a. Provided safety gear to employees.

2. PERSONNEL

- a. All licenses remain current and up to date. GM Kidwell made a correction to this. Superintendent Blaisdell is not current on his water license.

3. Operations

a. Water System

- i. Snow Creek is online and providing water to the Village and within regulation.
- ii. Shut down June Lake WTP for the winter and turned-on Snow Creek booster pumps.
- iii. Petersen and Clark are running within regulation.
- iv. Replaced LMI (bleach pump) at Petersen WTP.
- v. Ordered 6 new LMI pumps to start standardizing all bleach and polymer pumps.
- vi. Repaired stuck backwash pump float at June Lake WTP.

b. Distribution and Collection System

- i. We have had no main breaks or confirmed leaks for the previous month.
- ii. We have had no sanitary sewer overflows for the previous month.
- iii. Annual totals are: 0 main breaks, 2 confirmed leaks, and 0 SSO's.

c. Wastewater System

- i. WWTP is operating normally. We have increased Dissolved Oxygen (DO) into the aeration tank to help raise pH as the water temps are increasing.
- ii. We have stopped adding lime at the WWTP due to lower flows and stabilized PH and DO.
- iii. Burned milk crates for bar grate (rag/stick removal) at WWTP.
- iv. Switched pond at the WWTP that we waste into. We let the wet pond dry out then clean out that pond.
- v. Set up composite samplers at the WWTP and main station 2 for quarterly B.O.D. samples.

The Board asked if the water to ESSLIA residence and Silver Lake Resort has been shut down for the winter months. It is District policy to leave the ESSLIA residence on through the Thanksgiving holiday (weather permitting). Silver Lake Resort water is turned off for the winter.

K. MANAGER REPORT

1. Had replacement turbidimeter installed at our Petersen Plant.
2. Worked with contractors on Oh! Ridge lift station 1 project and Main Station 1 to finalize projects.
3. Made Board requested changes to Ordinance 2023-01 and Resolution 2023-06 The Uniform Public Construction Cost Accounting Act.
4. Completed our state reporting for our water and sewer systems to assure we are current.

5. Worked with our CPO and PUD field workers to educate on sampling and to assure all sampling is completed timely. Scheduled our CPO to come out next week for sampling training.
6. Ordered the new canisters for replacement of our uranium canisters at our June Lake WTP.
7. Began collection of necessary documents for our upcoming rate study.
8. Completed our service and seal replacement on one of our pumps at our Oh Ridge lift station. Our 2nd pump should be completed by the end of November. Pumps required in shop repairs and could not be done onsite.
9. Worked with Aqua 1 to determine replacement filter media needed for Petersen WTP.
10. Provided training material to our field staff and applied them all to test for their water treatment and distribution certifications.
11. Had electrical work completed to return one of our aeration pumps back into operation at the WWTP.
12. Continued to work on the WWTP Solar Project (feasibility). Met with High Sierra Energy Foundation and SWELL Energy to obtain more accurate quotes and expected savings. I will bring the Gross System Cost, Net Project Cost (after incentives) and estimated annual and lifetime savings to our December meeting for discussion. High Sierra Energy will continue working with the County to prepare for addressing any potential obstacles that may arise with such a project. These may include Scenic Byway guidelines, bird migration route considerations, permitting etc. Director Hallum asked about the outstanding audits? Are we caught up? GM Kidwell stated we should be caught up by the end of the year 2023.

Next Board meeting December 13, 2023, at 5:30 pm

L. ADJOURNMENT

There being no further business, it was moved, seconded, and unanimously passed to adjourn at 6:22 pm (Director Hunt, Director Logan).

Respectfully Submitted,

Juli Baldwin
Ex-Officio Secretary



Solar & BESS Proposal
10/26/2023

June Lake PUD 151kW PV 80kW- 156kWh BESS





Solar & Energy Storage

Solar Scope of Work

Swell Energy will provide a turn-key solar and energy storage installation in conjunction with the pre-fabrication and on-site construction consisting of a ground mounted and grid-connected solar PV and battery energy storage system. Our services include all project management, construction coordination and consulting, design/engineering, permitting, procurement of all equipment, installation per Client's schedule, coordination with other trade contractors, system commissioning with the customer, all required inspections, interconnection administration, a warranty on the installation workmanship, support on equipment warranties and system operations and maintenance.

Solar + Storage Solution

Solar PV Size	151.8 kW
Module Manufacturer	Hanwha Q Cells 405
Module Qty #	375
Inverter Manufacturer	SMA
Inverter Model #	SMA Sunny Tripower_Core1 62-US-41
Battery Energy Storage System (BESS)	60kW-163kWh
BESS Manufacturer/Model	EnergPort L60-160

Project Economics

Amount to Swell Energy	
Gross System Cost	\$720,000.00
IRA/ITC Direct Payment (30%)	\$216,000.00
SGIP rebate*	\$56,560.00
Net Project Cost for Owner	\$447,440.00
Annual Estimated Savings (Year 1)	\$46,296.00
Total Estimated Bill Savings	\$1,566,318.00
* While funding lasts.	



Solar & Energy Storage Loan Option

Loan Terms and Projected Cashflow

Project Cost - \$720,000

Loan Amount including fees, closing costs - \$517,860

Unfunded amount - \$216,000 (12 month Balloon option available)

IRA Payment - \$216,000 due following fiscal tax return year of project completion

Loan Amortization Term – 15 years

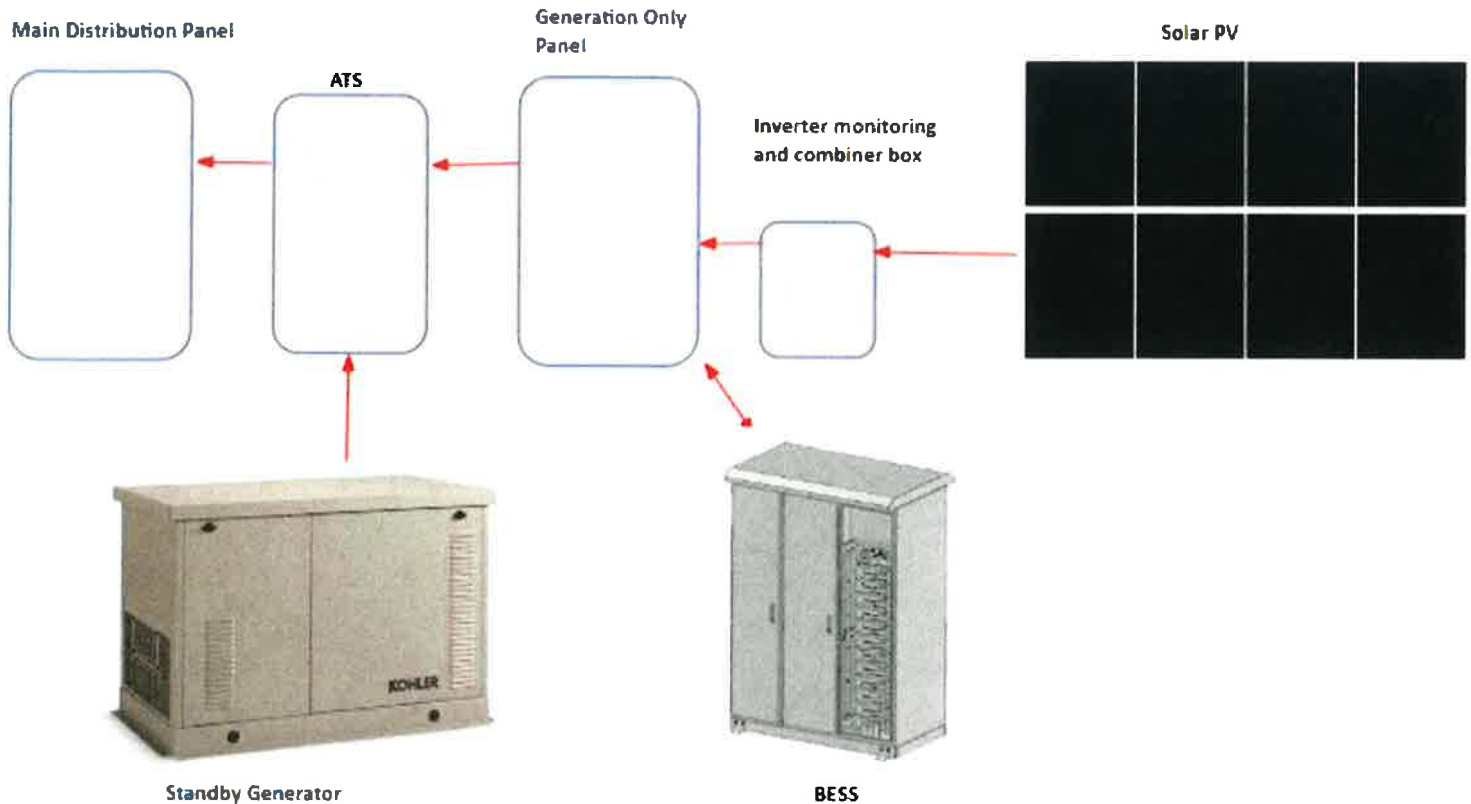
Interest rate on Loan – 5.62%

Docs required: Upload Contractor Agreement or Proposal , Three years of CPA-prepared or audited financials, Organizational Docs for Entity Applying, Last three years of tax returns, Membership Roll, Year-to-Date statement, Current Agings

Year	Estimated Savings	O&M	Estimated Equipment Replacement	Loan Payment	SGIP Incentive	Funded Project Cost/IRA Direct Pay	Net Payment	Cummulative Cost/Savings
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (216,000.00)	\$ (216,000.00)	\$ (216,000.00)
1	\$ 46,296.00	\$ (1,315.00)	\$ -	\$ (51,172.80)	\$32,600.00	\$ 216,000.00	\$ 242,408.20	\$ 26,408.20
2	\$ 47,390.00	\$ (1,354.45)	\$ -	\$ (51,172.80)	\$22,402.00		\$ 17,264.75	\$ 43,672.95
3	\$ 48,508.00	\$ (1,395.08)	\$ -	\$ (51,172.80)	\$10,198.00		\$ 6,138.12	\$ 49,811.07
4	\$ 49,650.00	\$ (1,436.94)	\$ -	\$ (51,172.80)			\$ (2,959.74)	\$ 46,851.33
5	\$ 50,817.00	\$ (1,480.04)	\$ -	\$ (51,172.80)			\$ (1,835.84)	\$ 45,015.49
6	\$ 52,009.00	\$ (1,524.45)	\$ -	\$ (51,172.80)			\$ (688.25)	\$ 44,327.24
7	\$ 53,228.00	\$ (1,570.18)	\$ -	\$ (51,172.80)			\$ 485.02	\$ 44,812.26
8	\$ 54,472.00	\$ (1,617.28)	\$ -	\$ (51,172.80)			\$ 1,681.92	\$ 46,494.18
9	\$ 55,743.00	\$ (1,665.80)	\$ -	\$ (51,172.80)			\$ 2,904.40	\$ 49,398.58
10	\$ 57,042.00	\$ (1,715.78)	\$ -	\$ (51,172.80)			\$ 4,153.42	\$ 53,552.00
11	\$ 58,368.00	\$ (1,767.25)	\$ (6,000.00)	\$ (51,172.80)			\$ (572.05)	\$ 52,979.95
12	\$ 59,723.00	\$ (1,820.27)	\$ -	\$ (51,172.80)			\$ 6,729.93	\$ 59,709.88
13	\$ 61,106.00	\$ (1,874.88)	\$ -	\$ (51,172.80)			\$ 8,058.32	\$ 67,768.21
14	\$ 62,519.00	\$ (1,931.12)	\$ -	\$ (51,172.80)			\$ 9,415.08	\$ 77,183.28
15	\$ 63,961.00	\$ (1,989.06)	\$ (65,200.00)	\$ (51,172.80)			\$ (54,400.86)	\$ 22,782.43
16	\$ 67,146.00	\$ (2,048.73)	\$ -				\$ 65,097.27	\$ 87,879.70
17	\$ 68,701.00	\$ (2,110.19)	\$ -				\$ 66,590.81	\$ 154,470.51
18	\$ 70,288.00	\$ (2,173.49)	\$ -				\$ 68,114.51	\$ 222,585.02
19	\$ 71,909.00	\$ (2,238.70)	\$ -				\$ 69,670.30	\$ 292,255.32
20	\$ 73,564.00	\$ (2,305.86)	\$ -				\$ 71,258.14	\$ 363,513.46
21	\$ 75,254.00	\$ (2,375.04)	\$ (6,000.00)				\$ 66,878.96	\$ 430,392.42
22	\$ 76,979.00	\$ (2,446.29)	\$ -				\$ 74,532.71	\$ 504,925.13
23	\$ 78,739.00	\$ (2,519.68)	\$ -				\$ 76,219.32	\$ 581,144.46
24	\$ 80,536.00	\$ (2,595.27)	\$ -				\$ 77,940.73	\$ 659,085.19
25	\$ 82,370.00	\$ (2,673.12)	\$ -				\$ 79,696.88	\$ 738,782.07
Total	\$1,566,318.00	\$ (47,943.93)	\$ (77,200.00)	\$ (767,592.00)	\$65,200.00	\$ -	\$ 738,782.07	



Conceptual Microgrid Design



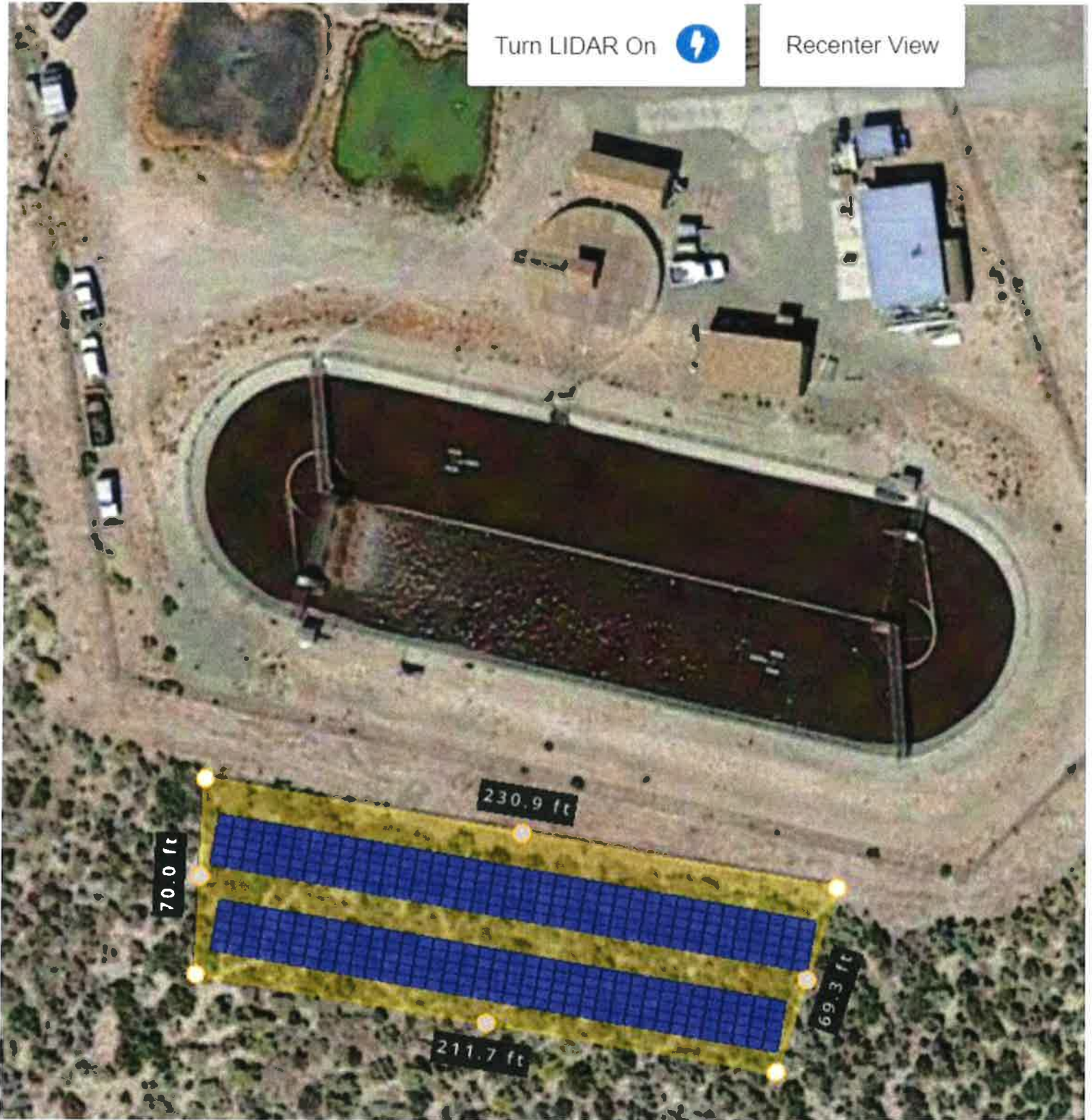
- Conceptual – Actual configuration subject to site specific details and requirements.

System Operation

- **Normal Grid Connected** - During normal grid connected operation, PV will offset customer load, recharge the battery energy storage system (BESS), and backfeed to the grid for NEM credits. The BESS will increase self solar consumption, and discharge to reduce peak demand (KW) and time of use (TOU) kWh charges.
- **Grid outage** - During a utility outage, your Swell microgrid will automatically switch from grid mode to island mode and quickly re-establish power to all connected critical loads (behind/downstream of the gateway). After about 5 minutes, the PV system will again begin to provide power to customer loads and the BESS. When the utility power comes back on the system will automatically switch back from island mode to Normal Grid Connected mode.



Preliminary PV Module Layout





Energy Storage Dimensions/Layout

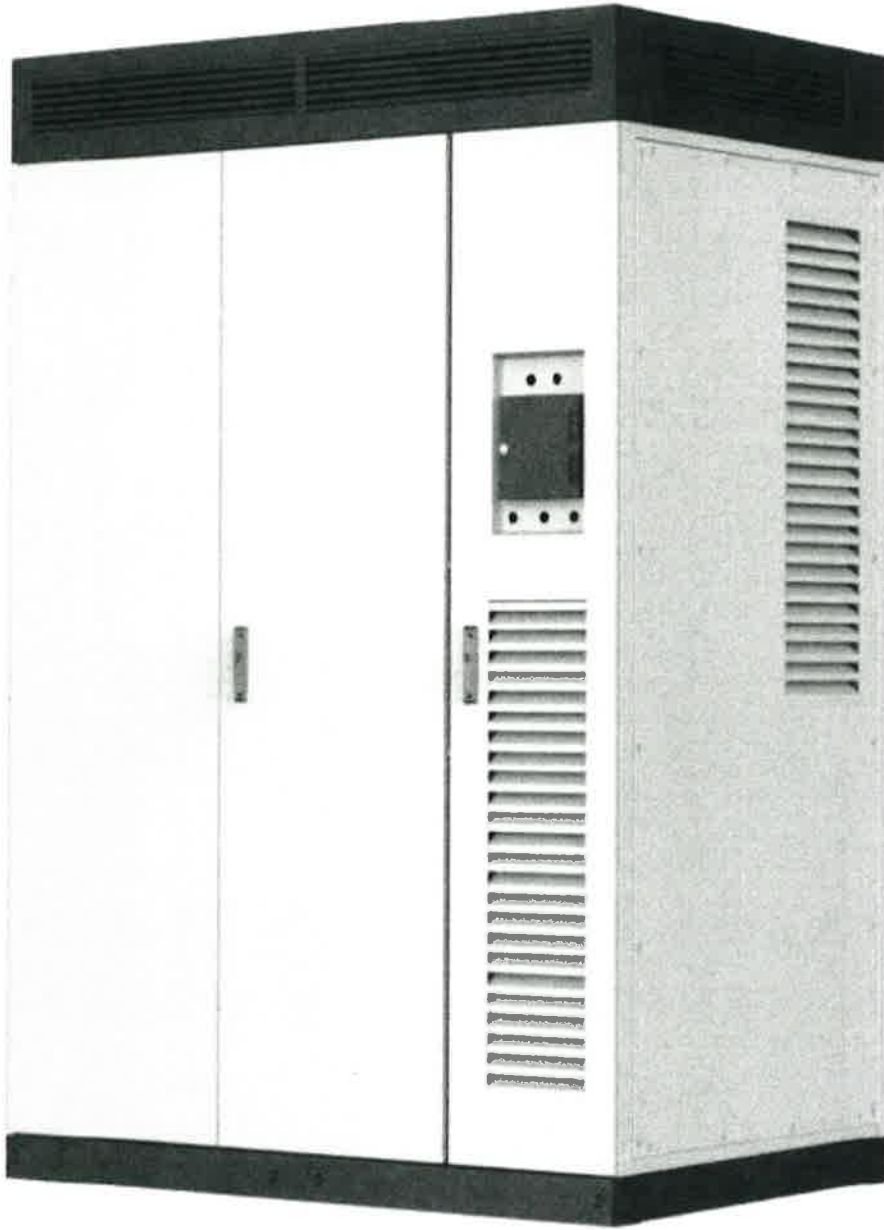


Figure 1 Appearance of outdoor cabinet

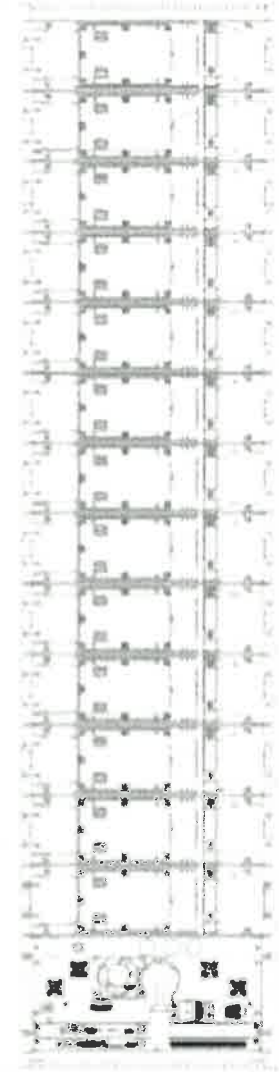


Figure 3 Battery String

Ground mount technical specifications

Each Specs

Module Tilt Range:	0 to 45 degrees	Warranty:	25 Yr Mfg, 10 Yr Structural
Module Orientation:	Landscape	Optional Bracing:	Yes
W Pier Spacing:	Up to 17'	Adjusts to Elevation Change:	Yes
S Pier Spacing:	Up to 9'	Integrated Grounding:	Yes
Max Wind Speed:	160 Mph	Wire Clips:	Yes
Wind Exposure:	Category B, C & D	End Caps:	Yes
Maximum Snow Load:	60 psf	T-Bolts:	Yes
		Engineering Support:	Yes (P.E. Certified)

Materials: Aluminum Cast Steel ASTM A216 A53 GR B (SCHED 40) Galvanized Mechanical Tubing
Stainless Steel Fasteners

Yes. Must be Schedule 40 or Mechanical Tubing.

Mechanical tubing must meet following minimum requirements:

2" Mechanical Tubing:

- 2.375" OD
- 0.109" (12kGA) wall thickness
- 50KSI yield strength

Locally Sourced Pipe:

3" Mechanical Tubing:

- 3.5" OD
- 0.165" (8GA) wall thickness
- 45KSI yield strength

Ground mount snow, tilt, and wind factor design considerations

Conditions				E-W Span									
Snow	Height	Tilt	Wind (MPH)	4'	6'	8'	10'	12'	14'	16'	18'		
0 PSF	4-High	10°	100										
			120										
			140										
		30°	100	.	.								
			120	.	.								
			140	.	.								
	5-High	10°	100	2" Pipe/Tubing				3" Pipe/Tubing					
			120	2" Pipe/Tubing				3" Pipe/Tubing					
			140	2" Pipe/Tubing				3" Pipe/Tubing					
		30°	100	.	.								
			120	.	.								
			140	.	.								
30 PSF	4-High	10°	100										
			120										
			140										
		30°	100	.	.								
			120	.	.								
			140	.	.								
	5-High	10°	100	2" Pipe/Tubing				3" Pipe/Tubing					
			120	2" Pipe/Tubing				3" Pipe/Tubing					
			140	2" Pipe/Tubing				3" Pipe/Tubing					
		30°	100	.	.								
			120	.	.								
			140	.	.								

*Requires Diagonal Brac



New Solar and Storage Process

Sales Process

Design & Permitting

Procurement

Installation

Interconnection & Commissioning

O&M & Customer Service

■ Sales Process

- Assigned account manager
- Proprietary CRM system and process for reporting and customer management
- Consult with client to fully understand their operation and needs
- Build and present a custom proposal
- Answer client questions and address any concerns
- Sign MOU and place deposit to begin the NEM interconnection application process
- In-house rebate administration team to support applications for any available customer incentives
- Price confirmation
- Execute Agreement

■ Project Management

- Dedicated, project coordinator for customer questions throughout install
- Field Construction Supervisor on-site during construction activities. Will also provide all quality assurance and safety inspections and management
- Proprietary project management software platform and builder reporting

■ Design and Permitting

- In-house design and engineering department
- Design completion of solar+ storage configuration
- Permitting

■ Procurement

- Secure inventory financing and procurement upon agreement award
- Local warehousing and delivery logistics to ensure on-time materials

■ Installation

- Swell dedicated Operations Manager
- Swell dedicated Field Construction Supervisor
- Utilization of highly experienced regionalized solar and energy storage installation sub-contractors
- Lock Out / Tag Out for safety prior to interconnection

■ Interconnection & Commissioning

- In-house interconnection processing team
- Interconnection submission in advance under new-construction applications
- Transfer of interconnection to customer upon permanent service
- On-site commissioning and operations orientation with the organization
- Customer operations binder and digital documents provided

■ O&M and Customer Service

- US based customer support hotline
- Active monitoring of system for performance



Current Electric Bill

Rate Schedule: SCE - GS-2-TOU (Option: D-CPP)

Time Periods	Energy Use (kWh)					Max Demand (kW)				Charges			
	Bill Ranges & Seasons	On Peak	Mid Peak	Off Peak	Critical Peak	Super Off Peak	NC / Max	On Peak	Mid Peak	Other	NBC	Energy	Demand
1/27/2023 - 2/27/2023 W	-	7,204	16,343	0	11,646	54	-	52	\$184	\$820	\$3,531	\$1,599	\$6,134
2/27/2022 - 3/27/2022 W	-	5,250	12,223	0	8,618	54	-	52	\$184	\$608	\$2,618	\$1,599	\$5,009
3/27/2022 - 4/27/2022 W	-	3,932	8,991	0	6,451	34	-	34	\$184	\$452	\$1,942	\$1,018	\$3,596
4/27/2022 - 5/27/2022 W	-	3,697	8,338	0	6,011	34	-	31	\$184	\$421	\$1,809	\$991	\$3,404
5/27/2022 - 6/27/2022 W / S	2,066	1,607	13,243	0	965	41	31	30	\$184	\$417	\$1,992	\$1,721	\$4,314
6/27/2022 - 7/27/2022 S	2,241	1,019	14,008	480	-	31	31	-	\$184	\$403	\$2,330	\$1,671	\$4,588
7/27/2022 - 8/27/2022 S	2,045	980	14,113	722	-	29	29	-	\$184	\$399	\$2,497	\$1,563	\$4,644
8/27/2022 - 9/27/2022 S	1,860	1,207	13,874	595	-	30	30	-	\$184	\$395	\$2,375	\$1,617	\$4,571
9/27/2022 - 10/27/2022 S / W	457	3,285	8,996	0	5,441	53	28	50	\$184	\$424	\$1,848	\$1,553	\$4,009
10/27/2022 - 11/27/2022 W	-	6,289	14,171	0	9,549	52	-	50	\$184	\$700	\$3,029	\$1,539	\$5,451
11/27/2022 - 12/27/2022 W	-	6,398	14,379	0	9,369	54	-	51	\$184	\$703	\$3,053	\$1,590	\$5,530
12/27/2022 - 1/27/2023 W	-	7,239	16,221	0	11,373	54	-	53	\$184	\$812	\$3,502	\$1,608	\$6,106
Total	8,669	48,107	154,900	1,797	69,423	-	-	-	\$2,209	\$6,552	\$30,526	\$18,070	\$57,357

Estimated Electric Bill after PV & BESS

New Rate Schedule Option 2: SCE - GS-2-TOU (Option: E)

Time Periods	Energy Use (kWh)				Max Demand (kW)			Charges				
	Bill Ranges & Seasons	On Peak	Mid Peak	Off Peak	Super Off Peak	NC / Max	On Peak	Mid Peak	Other	NBC	Energy	Demand
1/27/2023 - 2/27/2023 W	-	2,708	14,728	3,341	49	-	24	\$184	\$516	\$2,448	\$673	\$3,820
2/27/2022 - 3/27/2022 W	-	-140	10,079	-3,057	51	-	20	\$184	\$284	\$888	\$686	\$2,042
3/27/2022 - 4/27/2022 W	-	-1,975	5,286	-8,656	25	-	9	\$184	\$133	\$440	\$334	\$212
4/27/2022 - 5/27/2022 W	-	-2,631	4,288	-8,933	22	-	8	\$184	\$108	\$696	\$294	\$110
5/27/2022 - 6/27/2022 W / S	-1,848	-1,386	-7,237	-2,290	26	0	7	\$184	\$98	\$3,313	\$309	\$2,722
6/27/2022 - 7/27/2022 S	-2,115	-800	-7,770	-	22	7	-	\$184	\$98	\$3,301	\$323	\$2,696
7/27/2022 - 8/27/2022 S	-2,453	-673	-8,899	-	18	7	-	\$184	\$104	\$3,734	\$274	\$3,172
8/27/2022 - 9/27/2022 S	-1,486	-626	-7,977	-	20	7	-	\$184	\$110	\$2,782	\$299	\$2,190
9/27/2022 - 10/27/2022 S / W	-126	-977	4,455	-7,261	50	7	13	\$184	\$142	\$374	\$602	\$554
10/27/2022 - 11/27/2022 W	-	2,516	12,086	-1,600	48	-	29	\$184	\$390	\$1,720	\$675	\$2,969
11/27/2022 - 12/27/2022 W	-	3,044	12,794	2,659	49	-	30	\$184	\$457	\$2,234	\$690	\$3,565
12/27/2022 - 1/27/2023 W	-	3,709	14,751	4,425	50	-	30	\$184	\$554	\$2,719	\$702	\$4,160
Total	-8,028	2,769	46,584	-21,372	-	-	-	\$2,209	\$2,992	-	\$5,860	\$11,061

Annual Electricity Savings: \$46,296

Cash Purchase

Assumptions and Key Financial Metrics

IRR - Term	10.4%	Net Present Value	\$322,792	Payback Period	8.8 Years
ROI	146.3%	PV Degradation Rate	0.50%	Discount Rate	5.0%
Energy Cost Escalation Rate	3.0%	Federal Income Tax Rate	0.0%	State Income Tax Rate	0.0%
Total Project Costs	\$720,000				

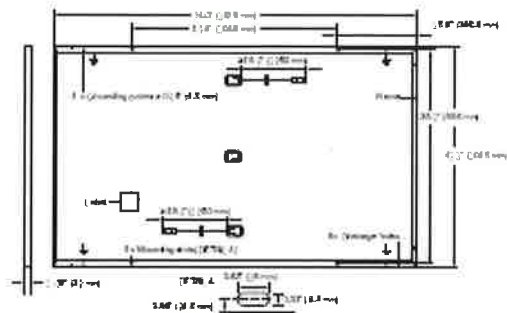
Years	Project Costs	Equipment Replacement	Solar O&M	ESS O&M	SGIP Incentive	Electric Bill Savings	Federal Tax Effect	Total Cash Flow	Cumulative Cash Flow
Upfront	-\$720,000	-	-	-	\$32,600	-	-	-\$687,400	-\$687,400
1	-	-	-\$657	-	\$22,402	\$46,296	\$216,000	\$284,041	-\$403,359
2	-	-	-\$673	-	\$10,198	\$47,390	-	\$56,915	-\$346,445
3	-	-	-\$690	-	-	\$48,508	-	\$47,817	-\$298,627
4	-	-	-\$708	-	-	\$49,650	-	\$48,942	-\$249,685
5	-	-	-\$725	-	-	\$50,817	-	\$50,092	-\$199,594
6	-	-	-\$743	-	-	\$52,009	-	\$51,266	-\$148,328
7	-	-	-\$762	-	-	\$53,228	-	\$52,466	-\$95,862
8	-	-	-\$781	-	-	\$54,472	-	\$53,691	-\$42,171
9	-	-	-\$800	-	-	\$55,743	-	\$54,943	\$12,772
10	-	-	-\$821	-	-	\$57,042	-	\$56,221	\$68,993
11	-	-\$6,000	-\$841	-\$1,248	-	\$58,368	-	\$50,279	\$119,273
12	-	-	-\$862	-\$1,279	-	\$59,723	-	\$57,582	\$176,854
13	-	-	-\$884	-\$1,311	-	\$61,106	-	\$58,911	\$235,765
14	-	-	-\$906	-\$1,344	-	\$62,519	-	\$60,269	\$296,034
15	-	-	-\$928	-\$1,378	-	\$63,961	-	\$61,655	\$357,689
16	-	-\$65,200	-\$952	-\$1,412	-	\$67,146	-	-\$417	\$357,272
17	-	-	-\$975	-\$1,447	-	\$68,701	-	\$66,278	\$423,550
18	-	-	-\$1,000	-\$1,483	-	\$70,288	-	\$67,805	\$491,355
19	-	-	-\$1,025	-\$1,521	-	\$71,909	-	\$69,364	\$560,720
20	-	-	-\$1,050	-\$1,559	-	\$73,564	-	\$70,956	\$631,675
21	-	-\$6,000	-\$1,077	-\$1,598	-	\$75,254	-	\$66,580	\$698,255
22	-	-	-\$1,103	-\$1,637	-	\$76,979	-	\$74,238	\$772,493
23	-	-	-\$1,131	-\$1,678	-	\$78,739	-	\$75,930	\$848,423
24	-	-	-\$1,159	-\$1,720	-	\$80,536	-	\$77,656	\$926,079
25	-	-	-\$1,188	-\$1,763	-	\$82,370	-	\$79,418	\$1,005,497
Totals:	-\$720,000	-\$77,200	-\$22,442	-\$22,379	\$65,200	\$1,566,318	\$216,000	\$1,005,497	-



PV Module Specifications

MECHANICAL SPECIFICATION

Format	4.0m x 4.1m x 1.25m (including frame) (1312mm x 1045mm x 32mm)
Weight	48.5lbs (22.0kg)
Front Cover	D1.3mm (3.2mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6 x 27 monocrystalline Q-CELL TUM solar half cells
Junction Box	2.09-3.98in x 1.26-2.36in x 0.59-0.71in (53-101mm x 32-60mm x 1.5-18mm), IP67, with bypass diodes
Cable	4mm ² Solar cable; (+) ≥49.2in (1250mm), (-) ≥49.2in (1250mm)
Connector	Stabi MCA; FCS



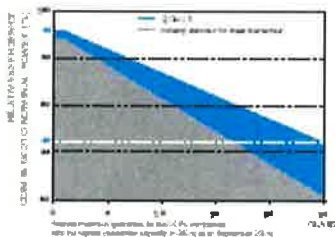
ELECTRICAL CHARACTERISTICS

POWER CLASS			385	390	395	400	405
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC (POWER TOLERANCE ±5W / -0W)							
Minimum	Power at MPP	P_{MPP} [W]	385	390	395	400	405
	Short Circuit Current	I_{sc} [A]	11.04	11.07	11.10	11.14	11.17
	Open Circuit Voltage	V_{oc} [V]	45.19	45.23	45.27	45.30	45.34
	Current at MPP	I_{MPP} [A]	10.50	10.65	10.71	10.77	10.83
	Voltage at MPP	V_{MPP} [V]	36.36	36.67	36.88	37.13	37.33
	Efficiency	η [%]	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMO1							
Minimum	Power at MPP	P_{MPP} [W]	289.8	292.8	296.3	300.1	303.9
	Short Circuit Current	I_{sc} [A]	8.90	8.92	8.95	8.97	9.00
	Open Circuit Voltage	V_{oc} [V]	42.62	42.65	42.69	42.72	42.76
	Current at MPP	I_{MPP} [A]	8.35	8.41	8.45	8.51	8.57
	Voltage at MPP	V_{MPP} [V]	34.59	34.81	35.03	35.25	35.48

*Measurement tolerances: P_{MPP} ±3%, I_{sc} , V_{oc} ±5% at STC 1000W/m², 25±2°C, AM 1.5 according to IEC 60904-3 + 2800W/m² NIACF, spectrum AM 1.5

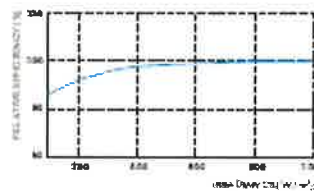
Q CELLS PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE



At least 95% of nominal power during first year. Thereafter max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 88% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country.



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000W/m²)

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I_{sc}	α [%/K]	+0.04	Temperature Coefficient of V_{oc}	β [%/K]	-0.27
Temperature Coefficient of P_{MPP}	γ [%/K]	-0.34	Nominal Module Operating Temperature	NMOD† [°F]	109±5.4 (±3±3.3°C)

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V_{sys}	[V]	1000 (IEC) / 1000 (UL)	PV module classification	Class 1
Maximum Series Fuse Rating	[A DC]	20	Fire Rating based on ANSI / UL 51700	1 YFE 2
Max. Design Load, Push / Pull†	[lbs/ft ²]	75 (3800Pa) / 55 (2680Pa)	Permitted Module Temperature on Continuous Duty	-40°F up to +135°F (-40°C up to +55°C)
Max. Test Load, Push / Pull†	[lbs/ft ²]	113 (5400Pa) / 84 (4000Pa)		

*See Installation Manual

QUALIFICATIONS AND CERTIFICATES

UL 61730 CE compliant
Quality Certified PV - I-V Standard
IEC 61215 IEC 61730 CEI
U.S. Patent No. 7,892,215 (patent pending)
GCRPV Certification on request



PACKAGING INFORMATION

Horizontal packaging	76.4 in 1940mm	43.3 in 1100mm	48.0 in 1220mm	1850 lbs 751kg	24 pallets	24 pallets	32 modules
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Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Q CELLS America Inc.

400 Spectrum Center Drive, Suite 1000, Irvine, CA 92618, USA | TEL: +1 949 368 59 86 | EM@q-cells.com | www.q-cells.com

- Or PV modules with equivalent warranty and performance.



PV Inverter Specifications

Technical data	Sunny Tripower CORE1 33-US	Sunny Tripower CORE1 50-US	Sunny Tripower CORE1 62-US
Input (DC)			
Maximum array power	90000 Wp STC	75000 Wp STC	93750 Wp STC
Maximum system voltage		1000 V	
Rated MPP voltage range	330 V... 800 V	500 V... 800 V	530 V... 800 V
MPPPT operating voltage range		150 V... 1000 V	
Minimum DC voltage / start voltage		150 V / 188 V	
MPP trackers / strings per MPP input		6 / 2	
Maximum operating input current / per MPP tracker		120 A / 20 A	
Maximum short circuit current per MPPPT / per string input		30 A / 30 A	
Output (AC)			
AC nominal power	33300 W	50000 W	62500 W
Maximum apparent power	33300 VA	50000 VA	66000 VA
Output phases / line connections		3 / 3-(N)-PE	
Nominal AC voltage		480 V / 277 V WYE	
AC voltage range		244 V... 305 V	
Maximum output current	40 A	64 A	80 A
Rated grid frequency		60 Hz	
Grid frequency / range		50 Hz, 60 Hz / -6 Hz... +6 Hz	
Power factor at rated power / adjustable displacement		1 / 0.0 leading... 0.0 lagging	
Harmonics THD		<3%	
Efficiency			
CEC efficiency	97.5%	97.5%	97.5%
Protection and safety features			
Load rated DC disconnect		●	
Load rated AC disconnect		●	
Ground fault monitoring: Riso / Differential current		● / ●	
DC AFCI arc-fault protection		●	
SunSpec P1C signal for rapid shutdown		●	
DC reverse polarity protection		●	
AC short circuit protection		●	
DC surge protection: Type 2 / Type 1+2		0 / 0	
AC surge protection: Type 2 / Type 1+2		0 / 0	
Protection class / overvoltage category (as per UL 840)		1 / IV	
General data			
Device dimensions (W/H/D)		621 mm / 733 mm / 569 mm (24.4 in x 28.8 in x 22.4 in)	
Device weight		84 kg (185 lbs)	
Operating temperature range		-25 °C... +60 °C (-13 °F... +140 °F)	
Storage temperature range		-40 °C... +70 °C (-40 °F... +158 °F)	
Audible noise emissions (full power @ 1m and 25 °C)		65 dB(A)	
Internal consumption at sight		5 W	
Topology		Transformerless	
Cooling concept		OptiCool (forced convection, variable speed fans)	
Enclosure protection rating		Type 4X, 35X (as per UL 508)	
Maximum permissible relative humidity (non-condensing)		100%	
Additional information			
Mounting		Free-standing with included mounting feet	
DC connection		Amphenol UTX PV connection	
AC connection		Screw terminals - 4 AWG to 4/0 AWG CU/AL	
LED indicators (Status / Fault / Communication)		●	
Network interfaces: Ethernet / WLAN / RS 485		● (2 ports) / ● / 0	
Data protocols: SMA Modbus / SunSpec Modbus / Webconnect		● / ● / ●	
ShadeFix technology for string level optimization		●	
Intelligent string performance monitoring		●	
I-V curve diagnostic function		●	
Integrated Plant Control / G on Demand 24/7		● / ●	
SMA Smart Connected (proactive monitoring and service support)		●	
Certifications			
Certifications and approvals		UL 1741, UL 1699B Ed. 1, UL 1998, CSA 22.2 107-1, PV Rapid Shutdown System Equipment	
FCC compliance		FCC Part 15 Class A	
Grid interconnection standards		IEEE 1547, UL 1741 SA - CA Rule 21, HBCO Rule 14H	
Advanced grid support capabilities		L/HVRT, L/HVMT, Volt-Watt, Volt-Watt, Frequency-Watt, Ramp Rate Control, Fixed Power Factor	
Warranty			
Standard		10 years	
Optional extensions		15 / 20 years	
Optional features	● Standard features - Not available		
Type designation	STP 33-US-41	STP 50-US-41	STP 62-US-41
Accessories			



SMA Data Manager M
EDMM-US-00



SMA Sensor Module
MDSB-US-40



Universal Mounting System
LMS-XB-10



AC Surge Protection Module K2
AC_SPS_K17-10, AC_SPS_K17_1112
DC Surge Protection Module K2
DC_SPS_K18-10, DC_SPS_K18_1112

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- Or PV inverter with equivalent warranty and performance.



BESS Specifications



2.3 Outdoor BESS Specifications

Proposed system to be configured as = 60KW-163kWh

2.3.1 Specifications of Outdoor BESS

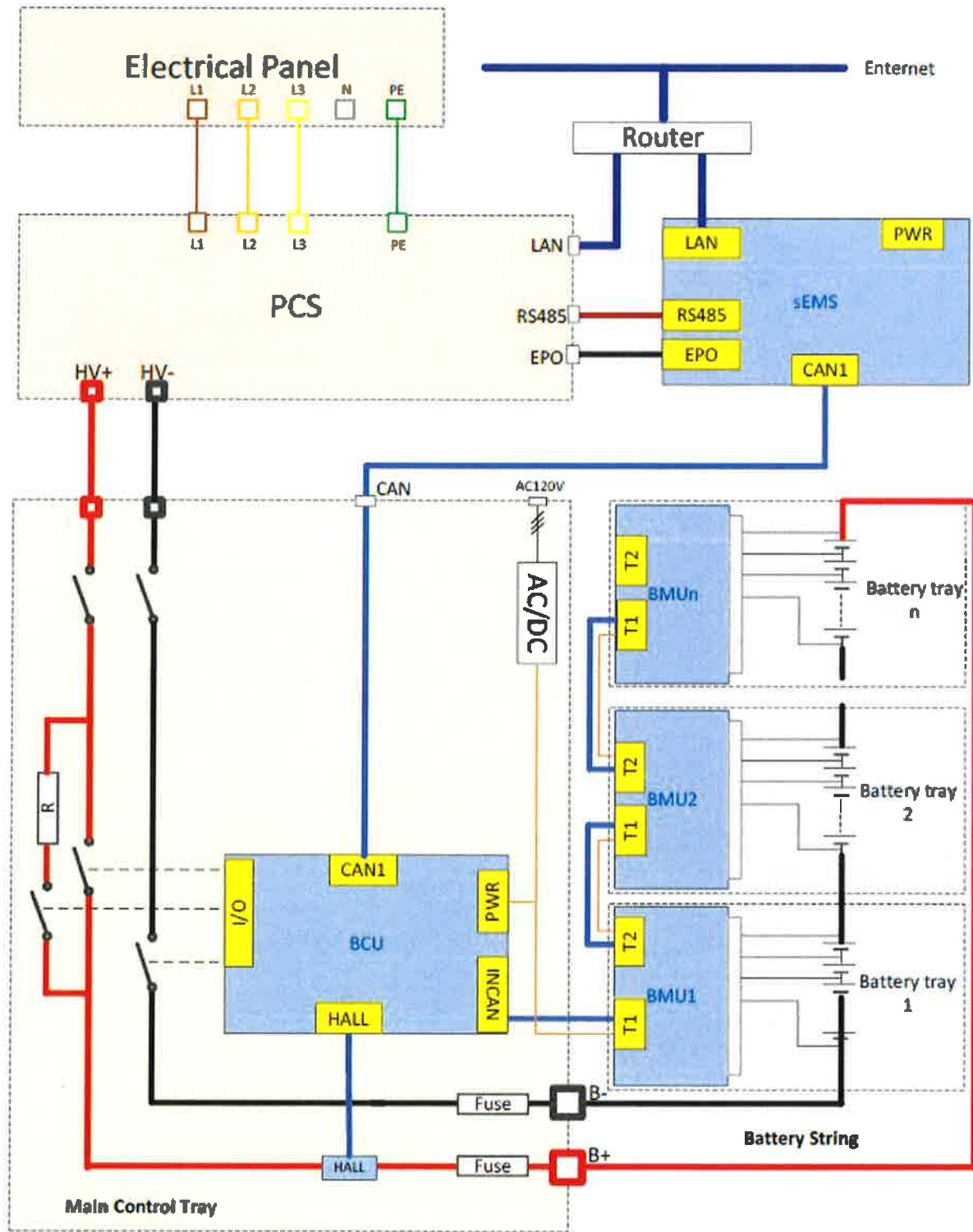
The BESS specifications are shown as below.

No.	Item	Parameters		
1	Total energy	266kWh	133kWh battery string * 2	
2	Rated Voltage/Capacity	665.6VDC	Battery	
3	Operating Voltage	603.2VDC -738.4VDC	Battery	
4	Stated Energy	260kWh		
5	SOC Operating Range	5%-100%	Recommended	
6	AC Voltage	480V 3phase	PCS	
7	AC frequency	60Hz(59.5Hz~60.5Hz)	PCS	
8	Maximum Continuous Charge Power	30kW		
9	Maximum Continuous Discharge Power	30kW		
10	Config. of battery	Cell	3.2VDC/100Ah	
		Module	51.2VDC/200Ah	Battery tray
		String	665.6VDC/200Ah	13 battery trays+ 1 main control tray
		System	665.6VDC/200Ah*2	133kWh battery string x 2
11	Ambient Temperature	25°C±5°C		
12	Operating Temperature	Charging:0-55°C Discharging: -10°C-55°C	High temperature (>45°C) operation would reduce BESS and cell life.	
13	Storage Temperature Range	-20°C-45°C	Recommended 25°C	
14	Thermal Management	Automatic air Cooling		
15	SOC Accuracy	<8%		
16	Altitude	≤3000m	>3000m, need to reduce power use	
17	Service Life	≥6000 Cycles	@25°C,0.5C/0.5C,100% DOD, 70%EOL	
18	Communication	LAN, CAN		
19	System Round Trip Efficiency	90%		
20	Size	1600W*1100D*2450H mm		
21	Weight	~2.8T		

- Or PV inverter with equivalent warranty and performance.



BESS Schematic



Superintendent Board Report

December 2023

1- SAFETY

- a. Provided safety gear to employees.

2- Personnel

- a. All licenses remain current and up to date.

3- Operations

a. Water System

- i. Snow Creek is online and provides water to the Village within regulation.
- ii. June Lake WTP is shut down and snow creek pumps are online to supply water to Pine Cliff side.
- iii. Peterson and Clark are running within regulation.
- iv. Ordered 6 new LMI (bleach and polymer) pumps for water plants and diversion to standardize the pump size at all locations.

b. Distribution and Collection System

- i. We have had no main breaks or confirmed leaks for the previous month.
- ii. Shut down and drained water line going across Silver Lake that feeds Silver Lake Campground, Pack Station, and Silver Lake Resort.
- iii. Shut down and drained water line that feeds Nevada St. (backside Silver Lake), also drained cla-Val on said water line. The water line is set, so just one valve needs to be opened to supply water all the way to Silver Lake Resort next spring.
- iv. We have had no sanitary sewer overflows for the previous month.
- v. Vactored main wet well at main station 1.
- vi. Drained wastewater line leading out of OH Ridge 2, used vactor truck to drain wet well so newly rebuilt pumps could be installed.

- vii. We used vactor truck at OH Ridge #1 to keep wet well lowered so new pumps and piping could be installed, this was a multi-day process.
 - viii. New Vaughn pumps were installed at Main station 1 as well as new electric wiring.
 - ix. Annual totals are: 0 main breaks, 2 confirmed leaks, and 0 SSO's.
- c. Wastewater System
- i. WWTP is operating normally. We have increased Dissolved Oxygen (DO) into the aeration tank to help raise pH as the water temps are increasing.
 - ii. Burned milk crates for bar grate (rag/stick removal) at waste plant.
 - iii. Continued ongoing process of weed and grass removal at wastewater plant.
 - iv. Cleaned grease buildup on center of clarifier at wastewater plant, set up a weekly cleaning schedule.

Managers Report

December 2023

- 1) Began putting together points for negotiations with Union Local 12.
- 2) Completed Oh! Ridge Lift Station 1 Project and Main Station 1 projects. We are working to integrate Oh! Ridge Lift Station into remote monitoring/SCADA.
- 3) Continued work on the details of SCE easement request at the WWTP. Using BB&K for revisions.
- 4) Completed our monthly, quarterly water and wastewater reports.
- 5) Continued working with our CPO and JLPUD field workers to educate on sampling and to assure all sampling is completed timely, and accurately.
- 6) Worked with Fedak & Brown and CPA to obtain our 2021 FY audit draft.
- 7) Continued to gather items that will be needed for our upcoming rate study.
- 8) Worked with our IT and Aqua Sierra Controls to bolster our SCADA security.
- 9) Began planning for Petersen Water Plant rehab project to be proposed next fiscal year.
- 10) Obtained costing to replace failing electrical lines to our aeration pumps at the WWTP. They currently pose a safety risk.
- 11) Prioritized upgrades and rehabilitation projects for our WWTP. These upgrades and rehabilitation projects are included in our Capital Improvement Plan beginning 2025, as well I will be creating a project profile specifically for the WWTP projects.
- 12) Continued to work on the WWTP Solar Project (feasibility). Met with High Sierra Energy Foundation and SWELL Energy again to bring the potential project to the county and local agencies. This will allow us to address any concerns from the county and local agencies early on, should the board vote to move forward with this project. Set up a meeting with Mammoth Community Water District to walk their solar array and discuss challenges that they experienced along the way. Reached out to Bishop Department of Public Works to also set up a meeting to discuss their solar.
- 13) Began looking into costing to make repairs to our Clark Water Diversion. There is significant erosion from runoff and some concern for the integrity of the diversion. These repairs will be addressed in spring.