



Heber Light & Power

Calendar Year 2023

Fees/Rates, Operating and Capital Budgets

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2023 Rates/Fees

Fees

Description	Amount	Comments
<u>Billing/Office Fees</u>		
Convenience Fee	3%	Used on Impact Fee and Work Order credit card payments only
Late Payment Charge (Compounded)	1.5%	Applied on any past due amounts
Returned Payment Charge	15.00	
Reconnect Fee	20.00	
Service Application Fee	20.00	
Seasonal Disconnect Fee	50.00	
<u>Construction Fees</u>		
Impact Fee	Amperage Calc	Included in current schedule
Line Extension/New Development - Installation	Bid Estimate	Estimate for Labor, Materials, and Overhead provided upon request
Initiation/Will Serve	200.00	Check only
Design Fee	300.00	This is a per development phase fee
Design Fee (resubmit)	20.00	Per residential/commercial unit
Truck Roll Fee	50.00	Set fee for extra vehicle trips, i.e. reinspection, meter verification, troubleshooting customer side, etc...
Temporary Meter Connection	500.00	Fee for new services that desire a temporary meter set
<u>New Service / Meter Related Fees</u>		
Wire Pull (up to 400 amps)	300.00 plus meter	Customer responsible for wire on services larger than 400 amps.
Meter Installation Fee – Single Phase	235.00	All new meter issuances regardless of reason, does not include replacement meters.
Meter Installation Fee – 3-Phase	470.00	
Meter - Nonstandard Meter - Monthly Meter Reading Charge	20.00	Typically, those meters that must be manually read
Net Metering - Application Fee	300.00	Included in current schedule.
<u>Device Fees</u>		
Generation Transfer Switch - Preliminary Inspection Fee	100.00	Verification trip for sizing and device appropriateness
Generation Transfer Switch - Installation Fee	100.00	Installation and meter re-installation
Outside Lighting (Yard Lights)	\$7.50/Month	Set fee regardless of consumption levels
Outside Lighting Maintenance	25.00 plus parts	

Electric Service Rates

Residential

Base/Customer Charge: <=400 AMP / >400 AMP	16.90 / 30.90
1st 1,000 kWh	0.09887/kWh
All Additional	0.11927/kWh
Solar Net Meter	(0.09887)/kWh

Residential (Time-of-Use) Opt-in

Base/Customer Charge: <=400 AMP / >400 AMP	16.90 / 30.90
Winter On-Peak	0.14371/kWh
Winter Off-Peak	0.07221/kWh
Summer On-Peak	0.20376/kWh
Summer Off-Peak	0.10055/kWh

Residential - Pumping

Base/Customer Charge	23.00
Demand Rate	9.85/kW
All kWh	0.06134/kWh

General Service - Small (1kW <X<= 30kW) (Single Phase)

Base/Customer Charge	20.00
Demand Rate	11.10/kW
1st 500 kWh	0.079/kWh
All Additional	0.05345/kWh

General Service - Small (1kW <X<= 30kW) (3-Phase)

Base/Customer Charge	27.00
Demand Rate	11.10/kW
1st 500 kWh	0.079/kWh

General Service - Small (1kW <X<= 30kW) Pumping

Base/Customer Charge	31.25
Demand Rate	9.85/kW
All kWh	0.06134/kWh

General Service - Medium (>30kW & <= 250kW)

Base/Customer Charge	127.00
Demand Rate	13.45/kW
1st 500 kWh	0.05360/kWh
All Additional	0.05260/kWh

General Service - Medium (>30kW) - Pumping

Base/Customer Charge	127.00
Demand Rate	9.85/kW
All kWh	0.06134/kWh

General Service - Large (> 250kW)

Base/Customer Charge	287.00
Demand Rate	15.10/kW
All kWh	0.05015/kWh

Energy Rebate Schedule

Energy Star Rated Appliance (per Terms and Conditions)	Rebate Amount
Air Source Heat Pump Replacement	\$250 - \$1,600 Based on Upgrade or Conversion and Efficiency Rating
Ceiling Fans	\$20
Central Air Conditioner	\$350 - \$750 Based on Efficiency Rating
Dual Fuel Heat Pump	\$1,400 - \$1,800 Based on Efficiency Rating
Ductless Heat Pump	\$600 - \$1,700 Based on Efficiency Rating and Unit Heads
ECM Furnace Blower	\$100
Ground Source Heat Pump	\$2,500
Heat Pump (Hybrid) Water Heater	\$1,000
Heat Tape Timer	\$100
Refrigerator	\$50
Smart Thermostat	\$75
Whole House Fan	\$75

Heber Light & Power Company

2023 Budget – Executive Summary (State Format)

	2021 Actual	2022 Budget	2022 Actual	2023 Budget
REVENUES				
Electricity Sales	\$19,797,593	\$20,449,022	\$21,602,690	\$23,520,378
Electricity Sales - Jordanelle	1,334,051	1,281,652	1,142,043	1,894,620
Connect Fees	34,770	35,000	133,526	138,656
Other / Miscellaneous Income	254,102	244,200	199,128	254,125
<i>Total Revenues</i>	<u>\$21,420,516</u>	<u>\$22,009,874</u>	<u>\$23,077,387</u>	<u>\$25,807,779</u>
COST OF ELECTRIC SERVICE				
Power Purchases	(9,163,150)	(9,961,093)	(12,610,175)	(12,045,597)
Power Purchases - Jordanelle	(1,270,502)	(1,281,652)	(1,142,043)	(1,894,620)
Salaries, Wages, Benefits (Unall	(774,065)	(1,314,050)	(395,693)	(951,383)
System Maintenance / Training	(3,837,114)	(3,978,167)	(4,750,443)	(4,138,377)
Depreciation (Unallocated)	(2,706,425)	(2,860,000)	(3,004,438)	(3,428,998)
Gas Generation	(1,116,349)	(1,558,519)	(1,898,660)	(1,971,015)
Other	(299,010)	(263,350)	(275,638)	(341,355)
Vehicle	(419,213)	(361,250)	(418,186)	(475,854)
Office	(131,914)	(144,710)	(141,962)	(190,711)
Energy Rebates	(27,549)	(150,000)	(40,524)	(150,000)
Professional Services	(133,927)	(172,000)	(231,565)	(214,097)
Materials	(130,298)	(134,380)	(252,471)	(206,077)
Building Expenses	(36,220)	(34,762)	(45,975)	(52,454)
Bad Debts	(11,439)	(15,000)	(15,576)	(16,040)
<i>Total Operating Expenses</i>	<u>(20,057,175)</u>	<u>(22,228,933)</u>	<u>(25,223,349)</u>	<u>(26,076,578)</u>
Operating Income	1,363,341	(219,059)	(2,145,963)	(268,797)
Operating Income less Depreciation	4,069,766	2,640,941	858,476	2,960,199
<i>Non-Operating Revenues (Expenses)</i>				
Debt Service	(1,615,082)	(1,616,290)	(1,322,344)	(1,621,421)
Interest Income	80,566	36,000	276,314	1,466,334
Impact Fees	2,387,447	1,500,000	3,195,068	3,333,447
Contributions in aid of Construc	6,100,580	3,000,000	4,056,099	3,331,665
Dividends	(300,000)	(300,000)	(300,000)	(225,000)
OPERATING MARGIN	<u><u>10,723,277</u></u>	<u><u>5,260,651</u></u>	<u><u>6,763,613</u></u>	<u><u>9,245,224</u></u>
CAPITAL EXPENDITURES				
Generation - Hydro	2,169	25,000	118,836	65,000
Generation – Gas Plant	1,206,145	1,250,000	710,000	3,728,000
Distribution	4,405,746	5,810,000	8,897,722	1,785,000
Substation	5,921	11,181,000	2,400,000	16,126,000
Metering	57,559	114,400	115,989	18,400
Buildings	1,000,446	1,737,085	19,405	8,500,000
Vehicles	30,419	435,000	171,358	35,000
Tools	193,032	54,700	385,042	120,000
Technology – IT	109,686	585,000	471,046	230,000
<i>Total Capital</i>	<u>7,011,123</u>	<u>21,187,185</u>	<u>13,289,398</u>	<u>30,607,400</u>

Heber Light & Power Company

2023 Budget – Executive Summary (Actuals Format)

	2020 Actual	2021 Actual	2022 Actual	2023 Budget
REVENUES				
Electricity Sales	\$18,451,012	\$19,797,593	\$21,602,690	\$23,520,378
Electricity Sales - Jordanelle	1,804,706	1,334,051	1,142,043	1,894,620
Connect Fees	37,400	34,770	133,526	138,656
Other / Miscellaneous Income	237,047	254,102	199,128	254,125
<i>Total Revenues</i>	<u>\$20,530,165</u>	<u>\$21,420,516</u>	<u>\$23,077,387</u>	<u>\$25,807,779</u>
COST OF ELECTRIC SERVICE				
Power Purchases	(8,618,521)	(9,163,150)	(12,610,175)	(12,045,597)
Power Purchases - Jordanelle	(1,804,707)	(1,270,502)	(1,142,043)	(1,894,620)
Salaries, Wages, Benefits (Unall	(1,350,939)	(774,065)	(395,693)	(951,383)
System Maintenance / Training	(3,530,574)	(3,837,114)	(4,750,443)	(4,138,377)
Depreciation (Unallocated)	(2,499,494)	(2,706,425)	(3,004,438)	(3,428,998)
Gas Generation	(702,432)	(1,116,349)	(1,898,660)	(1,971,015)
Other	(217,424)	(299,010)	(275,638)	(341,355)
Vehicle	(394,712)	(419,213)	(418,186)	(475,854)
Office	(137,590)	(131,914)	(141,962)	(190,711)
Energy Rebates	(39,655)	(27,549)	(40,524)	(150,000)
Professional Services	(138,018)	(133,927)	(231,565)	(214,097)
Materials	(137,546)	(130,298)	(252,471)	(206,077)
Building Expenses	(37,295)	(36,220)	(45,975)	(52,454)
Bad Debts	(16,004)	(11,439)	(15,576)	(16,040)
<i>Total Operating Expenses</i>	<u>(19,624,911)</u>	<u>(20,057,175)</u>	<u>(25,223,349)</u>	<u>(26,076,578)</u>
Operating Income	905,254	1,363,341	(2,145,963)	(268,797)
Operating Income less Depreciation	3,404,748	4,069,766	858,476	2,960,199
<i>Non-Operating Revenues (Expenses)</i>				
Debt Service	(2,511,226)	(1,615,082)	(1,322,344)	(1,621,421)
Interest Income	253,314	80,566	276,314	1,466,334
Impact Fees	1,404,681	2,387,447	3,195,068	3,333,447
Contributions in aid of Construc	3,275,127	6,100,580	4,056,099	3,331,665
Dividends	(300,000)	(300,000)	(300,000)	(225,000)
OPERATING MARGIN	<u><u>5,526,644</u></u>	<u><u>10,723,277</u></u>	<u><u>6,763,613</u></u>	<u><u>9,245,224</u></u>
CAPITAL EXPENDITURES				
Generation - Hydro	54,720	2,169	118,836	65,000
Generation – Gas Plant	322,785	1,206,145	710,000	3,728,000
Distribution	2,781,296	4,405,746	8,897,722	1,785,000
Substation	0	5,921	2,400,000	16,126,000
Metering	95,231	57,559	115,989	18,400
Buildings	176,290	1,000,446	19,405	8,500,000
Vehicles	496,009	30,419	171,358	35,000
Tools	21,696	193,032	385,042	120,000
Technology – IT	50,361	109,686	471,046	230,000
<i>Total Capital</i>	<u>3,998,388</u>	<u>7,011,123</u>	<u>13,289,398</u>	<u>30,607,400</u>

Operating Expenditures Budget

Revenues

The 2023 electricity revenues are budgeted to increase 7.0% over the projected 2022 revenues. This represents a conservative estimate for the trended load growth and implementation of a rate increase adopted during 2022.

Revenues associated with Capital in Aid of Construction and Impact Fees are not included as these revenues are not regular and are typically subject to external economic conditions.

	<u>2021 Actual</u>	<u>2022 Budget</u>	<u>2022 Actual</u>	<u>2023 Budget</u>
REVENUES				
Electricity Sales	\$19,797,593	\$20,449,022	\$21,602,690	\$23,520,378
Electricity Sales - Jordanelle	1,334,051	1,281,652	1,142,043	1,894,620
Connect Fees	34,770	35,000	133,526	138,656
Other / Miscellaneous Income	254,102	244,200	199,128	254,125
<i>Total Revenues</i>	<i>\$21,420,516</i>	<i>\$22,009,874</i>	<i>\$23,077,387</i>	<i>\$25,807,779</i>

Expenses

Power Purchased

Power Purchased expense is calculated by analyzing supply requirements, identifying the cost of supply from individual sources and adding contingency pricing for market fluctuations.

Wages and Board Compensation

Included in the wages and board compensation expense are amounts for the current complement of employees.

Board Compensation

<u>Board Position</u>	<u>Stipend Amount</u>
Chair	7,295.04
Member 1	5,703.84
Member 2	5,703.84
Member 3	5,703.84
Member 4	5,703.84
Member 5	<u>5,703.84</u>
	\$35,814.24
Committee Compensation	4,185.76

Repairs & Maintenance

Repairs and maintenance are anticipated to continue in 2023. Tree trimming costs will significantly decrease by \$500,000. Furthermore, the addition of 2 new employees is included in this budget thus increasing the overall maintenance and repair costs.

Travel & Training

To maintain the advanced technical knowledge required in the industry, various training initiatives for staff are included in the 2023 Budget.

Capital Expenditures Budget

The Capital Budget for 2023 totals \$30,607,400. Heber Light & Power anticipates utilizing revenue from energy sales, debt financing, capital in aid of construction and through impact fees to complete the 2023 capital program. In the event these resources are insufficient to meet these anticipated capital addition expenditures, Heber Light & Power has two other payment mechanisms at its disposal. The first, Heber Light & Power can use additional debt-financing in the event additional funds are required to complete the needed capital expansion projects. This, however, is limited to maintaining covenant requirements of existing debt. The second is through reserve accounts of which Heber Light & Power maintains two such funds. The first such fund is a contingency fund with a current balance of roughly \$6.1 million which is available to address certain large capital purchases and /or reserve requirements associated with internal generation, rate stabilization and power market escalation. The second such fund is a capital reserve fund meant to supply quick access to funds to complete major projects considered in the Company's current Strategic Plan.

Also included in the table below are principal payments relating to the Company's long-term debt.

<u>Classification</u>	<u>Expenditure</u>	<u>Impact</u>	<u>CIAC</u>	<u>Net Amount</u>
Generation - Hydro	65,000	-	-	65,000
Generation – Gas Plant	3,728,000	-	-	3,728,000
Distribution	3,785,000	-	(2,000,000)	1,785,000
Substation	18,126,000	(2,000,000)	-	16,126,000
Metering	114,400	-	(96,000)	18,400
Buildings	8,500,000	-	-	8,500,000
Vehicles	35,000	-	-	35,000
Tools	120,000	-	-	120,000
Technology – IT	230,000	-	-	230,000
				Total Capital Expenditures: \$30,607,400
				Principal Payments on Long-Term Debt: 791,322
				Total Cash Requirements: \$31,494,722
				Cash on Hand:
				2019 Bond 3,784,491
				2023 Bond 32,259,954
				Projects Reserve 623,527
				Total Cash Available for Projects: \$36,667,972
				Total Funds to Raise to Complete Capital Plan: \$0

Detailed capital project descriptions in support of these amounts are included on the following pages.

Heber Light & Power - Five Year Forecast and Capital Improvement Plan

Upcoming Projects	Projected Cost (\$1,000)											Total	Impact Fee Related %	Impact Fee Related \$
	Prior	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032			
<i>Buildings</i>														
New Office Building - Phase 1 (Building)	376	8,500	2,500	-	-	-	-	-	-	-	-	11,376	43%	4,892
EV Charging System	-	231	-	-	-	-	-	-	-	-	-	231	0%	-
Plant AC Upgrades	-	65	-	-	-	-	-	-	-	-	-	65	0%	-
Plant Analysis Fallouts	-	100	-	-	-	-	-	-	-	-	-	100	0%	-
Gas Plant Security Measures	-	15	-	50	-	-	-	-	-	-	-	65	0%	-
Generator Fire Suppression System	1,526	-	1,150	-	-	-	-	-	-	-	-	2,676	0%	-
Plant 1 Electrical Backroom Upgrades	-	-	50	-	-	-	-	-	-	-	-	50	0%	-
College Substation Perimeter Xeroscaping	-	-	10	-	-	-	-	-	-	-	-	10	0%	-
New Office Building - Phase 2 (Current Campus Modifications)	-	-	-	750	-	-	-	-	-	-	-	750	0%	-
Millflat Water Line Replacement	-	-	-	-	50	-	-	-	-	-	-	50	0%	-
New Office Building - Phase 3 (Site)	-	-	-	-	-	1,200	-	-	-	-	-	1,200	43%	516
	1,902	8,911	3,710	800	50	1,200	-	-	-	-	-	16,573		5,408
<i>Generation</i>														
Annual Generation Capital Improvements	-	50	50	50	50	50	50	50	50	50	50	500	0%	-
Lower Snake Creek Plant Upgrade	-	5	5	5	5	5	5	5	5	5	5	50	0%	-
Upper Snake Creek Capital Improvements	-	5	5	5	5	5	5	5	5	5	5	50	0%	-
Lake Creek Capital Improvements	-	5	15	5	5	5	5	5	5	5	5	60	0%	-
Unit Overhauls	-	188	188	83	-	-	-	-	-	-	-	459	0%	-
Unit UREA Systems	15	800	385	-	-	-	-	-	-	-	-	1,200	100%	1,200
Unit Transfer New Cooling Systems	-	540	-	-	-	-	-	-	-	-	-	540	0%	-
New Generation (Battery, Engine)	-	2,200	3,515	-	-	-	-	-	-	-	-	5,715	100%	5,715
Plant Hydraulic System Upgrade	-	-	50	50	-	-	-	-	-	-	-	100	0%	-
Plant 1	-	-	-	7,000	3,000	2,500	-	2,500	-	2,500	2,500	20,000	100%	20,000
Gas Plant 2 XFMR Upgrade	-	-	-	500	-	-	-	-	-	-	-	500	0%	-
Lake Creek Bearing Replacement	-	-	-	10	-	-	-	-	-	-	-	10	0%	-
Mobile Standby Generator	-	-	-	-	66	-	-	-	-	-	-	66	0%	-
	15	3,793	4,213	7,708	3,131	2,565	65	2,565	65	2,565	2,565	29,250		26,915
<i>Lines</i>														
Underground System Improvements	-	150	150	150	150	150	150	150	150	150	150	1,500	0%	-
Aged & Environmental Distribution Replacement/Upgrade	-	150	150	150	150	150	150	150	150	150	150	1,500	0%	-
Fault Indicator - Underground System	-	10	10	10	10	10	10	10	10	10	10	100	0%	-
Annexation Asset Purchase	-	25	25	25	25	25	25	25	25	25	25	250	100%	250
Install Voltage Regulators at Timber Lakes Gate	-	100	-	-	-	-	-	-	-	-	-	100	100%	100
Heber Substation Additional Circuits (South & West)	-	300	-	-	-	-	-	-	-	-	-	300	100%	300
Tie line from 305 to 402 to 303	-	350	-	-	-	-	-	-	-	-	-	350	100%	350
Rebuild PR201_Main Street to Burgi Lane	771	700	-	-	-	-	-	-	-	-	-	1,471	100%	1,471
Fire Mitigation - Single Phase Reclosers	-	-	45	-	-	-	-	-	-	-	-	45	0%	-
Provo River Substation Get Aways Reconnect to New Site	-	-	450	-	-	-	-	-	-	-	-	450	100%	450
Additional Circuits out of College to South and East	-	-	350	204	-	1,000	-	-	-	-	-	1,554	100%	1,554
Additional Circuits out of Jailhouse to the East	-	-	300	-	-	-	-	-	-	-	-	300	100%	300
Load to Parsons (Reconductor)	-	-	-	-	100	-	-	-	-	-	-	100	0%	-
Reconductor Heber City Main 600 S to 1000 S	-	-	-	-	100	-	-	-	-	-	-	100	100%	100
Midway Substation - Get Aways	-	-	-	-	160	-	-	-	-	-	-	160	50%	80
Reconductor Pine Canyon Road - Midway	-	-	-	-	180	-	-	-	-	-	-	180	60%	108
Airport Road Rebuild & Loop	-	-	-	-	550	-	-	-	-	-	-	550	100%	550
Reconductor JH502/503_Old Mill Drive - 800 South to 1200 South	-	-	-	-	-	529	-	-	-	-	-	529	100%	529

Heber Light & Power - Five Year Forecast and Capital Improvement Plan

Upcoming Projects	Projected Cost (\$1,000)											Total	Impact Fee Related %	Impact Fee Related \$
	Prior	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032			
New Circuit to Hwy 32	-	-	-	-	-	720	-	-	-	-	-	720	100%	720
Jailhouse Tap Transmission Line and East Extension	-	-	-	-	-	1,000	2,900	-	-	-	-	3,900	100%	3,900
Reconductor MW101/102 from 4/0 to 477	-	-	-	-	-	-	938	-	-	-	-	938	100%	938
Rebuild CL402_600 West to Tate Lane	-	-	-	-	-	-	-	1,296	-	-	-	1,296	100%	1,296
	771	1,785	1,480	539	1,425	3,584	4,173	1,631	335	335	335	16,393		11,700
<i>Substations</i>														
2nd Point of Interconnect Substation	7,196	16,062	-	-	-	-	-	-	-	-	-	23,258	70%	16,281
Replacement Recloser for Joslyn Reclosers	-	25	-	-	-	-	-	-	-	-	-	25	0%	-
Battery Replacement Program	-	10	-	-	-	-	-	-	-	-	-	10	0%	-
Heber Nitrogen Regulator Upgrade	-	18	-	-	-	-	-	-	-	-	-	18	0%	-
Midway Recloser Upgrade	-	11	-	-	-	-	-	-	-	-	-	11	0%	-
Cloyes LTC Rebuild	-	-	40	-	-	-	-	-	-	-	-	40	0%	-
Heber Relay Upgrade	-	-	30	-	35	-	-	-	-	-	-	65	0%	-
Jailhouse Fence Replacement	-	-	-	129	-	-	-	-	-	-	-	129	0%	-
Midway Fence Replacement	-	-	-	50	-	-	-	-	-	-	-	50	0%	-
Midway Substation - High Side Rebuild	-	-	-	-	-	2,656	-	-	-	-	-	2,656	90%	2,390
Northeast POD Substation	-	-	-	-	-	12	-	5,000	10,000	-	-	15,012	100%	15,012
East Substation	2,400	-	-	-	-	-	2,000	3,772	-	-	-	8,172	100%	8,172
	9,596	16,126	70	179	35	2,668	2,000	8,772	10,000	-	-	49,446		41,855
												-		
Annual IT Upgrades	-	120	120	85	60	60	60	60	60	60	60	745	0%	-
Annual OT Upgrades	-	30	30	30	30	30	30	30	30	30	30	300	0%	-
Smart Grid Investment	-	10	10	10	10	10	10	10	10	10	10	100	0%	-
AMI Tower - North Village	-	70	-	140	-	-	-	-	-	-	-	210	100%	210
Fiber Improvements	-	-	-	-	200	-	-	-	-	-	-	200	0%	-
	-	230	160	265	300	100	100	100	100	100	100	1,555		3,110
<i>Annual Tool & Equipment Purchases</i>														
Annual Tool & Equipment Purchases	-	120	183	25	250	-	-	-	-	-	-	578	0%	-
Metering	-	60	-	-	-	-	-	-	-	-	-	60	0%	-
Substations	-	14	40	-	-	-	-	-	-	-	-	54	0%	-
Distribution	-	46	143	25	250	-	-	-	-	-	-	464	0%	-
Generation	-	-	-	-	-	-	-	-	-	-	-	-	0%	-
Facilities	-	-	-	-	-	-	-	-	-	-	-	-	0%	-
<i>Annual Vehicle Program</i>														
Annual Vehicle Program	-	35	830	970	-	570	-	-	-	-	-	2,405	0%	-
Fleet Vehicle	-	35	190	70	-	70	-	-	-	-	-	365	0%	-
Line/Bucket Truck	-	-	600	300	-	300	-	-	-	-	-	1,200	0%	-
Service Truck	-	-	-	600	-	200	-	-	-	-	-	800	0%	-
Trailer	-	-	40	-	-	-	-	-	-	-	-	40	0%	-
	12,284	31,000	10,646	10,486	5,191	10,687	6,338	13,068	10,500	3,000	3,000	116,200	-	88,988



Buildings

- 1) New Office Building
- 2) EV Charging Systems
- 3) Plant AC Upgrades
- 4) Plant Analysis Fallouts
- 5) Gas Plant Security Measures
- 5) Generator Fire Suppression System
- 6) Plant 1 Electrical Upgrades
- 7) College Substation Perimeter Xeriscaping
- 8) New Office Building - Phase 2 (Current Campus Modifications)
- 9) Millflat Water Line Replacement
- 10) New Office Building - Phase 3 (Site Improvements)

Heber Light & Power

Project Analysis Form

Project Name: New Office Building

Project Driver: Upgrade

Priority Level: Medium

Purpose & Necessity:

Heber Light & Power has outgrown the existing work space for administrative operations. In addition, the building is older and not ADA compliant. Furthermore the division of Administration from Operations has made communications less-effective between departments. The building is currently surrounded on all four sides with rights-of-ways for other entities which causes expansion limitations. Parking for employees and customers is extremely limited. Finally, numerous secondary elements such as IT structure, and building security cannot be adequately addressed in the current state.

Risk Assessment:

Efficiency is the main advantage to combining all of the administrative functions under one roof. In addition, by remaining non-compliant with appropriate ADA standards, the company remains at risk of not accommodating customer needs. Furthermore the transition to 138kV service in the valley also opens the company to additional cyber-security scrutiny and controls. The current building set-up will require extensive adjustments to obtain compliance with NERC CIPS requirements.

Cash Flow Schedule:

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Overall</u>
Internal Labor	6,527.83	1,270.37	1,145.02	12,500.00	23,000.00	-	44,443.22
Materials	-	-	-	1,500.00	2,500.00	-	4,000.00
Subcontractor	69,585.60	25,341.45	272,571.30	8,486,000.00	2,474,500.00	-	11,327,998.35
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 76,113.43	\$ 26,611.82	\$ 273,716.32	\$ 8,500,000.00	\$ 2,500,000.00	\$ -	\$ 11,376,441.57
Impact Fee %	43%	43%	43%	43%	43%	43%	
Net Amount:	<u>\$43,384.66</u>	<u>\$ 15,168.74</u>	<u>\$ 156,018.30</u>	<u>\$ 4,845,000.00</u>	<u>\$ 1,425,000.00</u>	<u>\$ -</u>	<u>\$ 6,484,571.69</u>

Heber Light & Power

Project Analysis Form

Project Name: Plant AC Upgrades

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

The generation plants are presently cooled through the use of numerous evaporative coolers. These coolers are prone to failure and inefficient due to their advancing age. This project would provide for the replacement of multiple evaporative coolers with a more energy efficient newer evaporative cooler. These updates will happen over the course of multiple years. The first such upgrade happened in 2019. Each year an additional set of coolers will be replaced until all have been taken care of. This represents the last such project as the cooling system is transferred from Plant 1 to Plant 3.

Risk Assessment:

Generators require cooling in order to maintain optimal efficiency and reduce the risk of fire caused by excessive heat.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	1,087.00	-	-	-	-	-	1,087.00
Materials	1,100.00	-	-	-	-	-	1,100.00
Subcontractor	62,813.00	-	-	-	-	-	62,813.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 65,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 65,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 65,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: Plant Analysis Fallouts

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

Plant 1 is in need of requiring significant improvements if it is to continue to function as a power plant. In performing a cost-benefit analysis of said improvements, the decision made is to not undertake such. Rather it will be to convert the building into more of a generator repair shop and warehouse for generator parts/toolroom. Although this conversion has a cost associated with it, the amount is significantly less than to prepare the building for continued generation service.

Risk Assessment:

If this work is not undertaken and the existing generators transferred to other plants, either the Company must take on unwise financial costs or lose production from three existing generators.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	25,000.00	-	-	-	-	-	25,000.00
Materials	75,000.00	-	-	-	-	-	75,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous (CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 100,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 100,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: Gas Plant Security

Project Driver: Upgrade

Priority Level: Medium

Purpose & Necessity:

HLP has been in the process of installing security access controls on all HLP facilities. The generation plants are the next in line to receive such security upgrades.

Risk Assessment:

Uncontrolled access is currently available to anyone that is able to penetrate the exterior fence of the campus. Such access could place the generation fleet at an unacceptable level of risk of tampering and potential destruction.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	2,000.00	-	8,000.00	-	-	-	10,000.00
Materials	10,000.00	-	30,000.00	-	-	-	40,000.00
Subcontractor	3,000.00	-	12,000.00	-	-	-	15,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 15,000.00	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 65,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	\$ 15,000.00	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 65,000.00

Heber Light & Power

Project Analysis Form

Project Name: Generator Fire Suppression System

Project Driver: Safety

Priority Level: Medium

Purpose & Necessity:

Small fires are occasionally generated on and around the generators as a result of the excessive amounts of heat, fuel and available catalysts. As a result, the dispatchers and generation employees are using handheld extinguishing tools to extinguish these fires when they arise. Our insurance reviews are frequently critical of the lack of suppression systems on our generators and thus this project will increase safety as well as increase our insurability.

Plant 2: \$1,150,000

Plant 3 phase 1: \$888,107

Plant 3 phase 2: \$638,220

Risk Assessment:

Potential exists to have a major fire that either drastically damages the structure, equipment, or both. The damage can result from the fire itself or from the firefighting methods that will be employed by the local fire department with their water-based fighting technology. A larger risk exists in that employees are typically called upon to be the first line of defense to which they are woefully under supplied and un-trained.

Cash Flow Schedule:

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>Overall</u>
Internal Labor	1,529.67	2,077.16	1,350.00	-	3,000.00	-	7,956.83
Materials	17.25	2,749.76	1,200.00	-	1,500.00	-	5,467.01
Subcontractor	328,191.65	553,541.65	635,670.00	-	1,145,500.00	-	2,662,903.30
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 329,738.57	\$ 558,368.57	\$ 638,220.00	\$ -	\$ 1,150,000.00	\$ -	\$ 2,676,327.14
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u><u>\$329,738.57</u></u>	<u><u>\$558,368.57</u></u>	<u><u>\$638,220.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$1,150,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$2,676,327.14</u></u>

Heber Light & Power

Project Analysis Form

Project Name: Plant 1 Electrical Upgrade

Project Driver: Upgrade

Priority Level: Medium

Purpose & Necessity:

The electrical system in Plant 1 reflects multiple decades of different generator types and configurations. As a result there is legacy wiring throughout the plant that is in the way of current operations. In addition, some of the electrical equipment is rather aged and is in need of an upgrade. Furthermore, the electrical panel is overloaded and could use additional space for plant operations.

Risk Assessment:

Electrical shortages that will limit the effectiveness of the plant as well as run the risk of equipment failure due to overloaded circuits. The largest risk is that of an electrical fire.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	-	40,000.00	-	-	-	-	40,000.00
Subcontractor	-	10,000.00	-	-	-	-	10,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00
Impact Fee %	0%						0%
Net Amount:	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ 50,000.00

Heber Light & Power

Project Analysis Form

Project Name: College Substation Perimeter Xeriscaping

Project Driver: Upgrade

Priority Level: Medium

Purpose & Necessity:

Years of erosion and lack of attention has the surrounding gravel at the College Substation needing a refresh.

Risk Assessment:

Without this project, further deterioration at the site will occur and lead to potential for unauthorized access into the station by animals.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	-	-	-	-	-	-	-
Subcontractor	-	10,000.00	-	-	-	-	10,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	#####	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
Impact Fee %	0%						0%
Net Amount:	\$ -	#####	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00

Heber Light & Power

Project Analysis Form

Project Name: New Office Building - Phase 2 (Current Campus Modifications)

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

Upon moving into the new office building, adjustments will need to be made to the existing campus. The operations center will need to be renovated to be a warehouse only with few office spaces for the limited warehousemen. The line shop will need to be dealt with so as to serve in a better capacity. Cold storage will need to be torn down and the space leveled to match existing grade.

Risk Assessment:

Continue to have less than desirable warehousing capabilities as well as dilapidated and in-effective/unsafe structures on the site.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	25,000.00	-	-	-	-	25,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	-	725,000.00	-	-	-	-	725,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 750,000.00	\$ -	\$ -	\$ -	\$ -	\$ 750,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	\$ -	\$ 750,000.00	\$ -	\$ -	\$ -	\$ -	\$ 750,000.00

Heber Light & Power

Project Analysis Form

Project Name: Millflat Water Line Replacement

Project Driver: Replacement

Priority Level: High

Purpose & Necessity:

The main water line that feeds the Upper Snake Creek and ultimately the Lower Snake Creek Hydro plants is in serious need of replacement. As it currently stands, the line is old and exposed to damage by vehicles and the Forest Service as they access the upper reaches of Snake Creek Canyon.

Risk Assessment:

Risk exists that given the right damage instance, loss of the use of both hydro plants will occur. This loss will lead to the curtailment of production which would then result in replacement energy being purchased on the spot market.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	-	50,000.00	-	-	50,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00
Impact Fee %	0%						0%
Net Amount:	\$ -	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00

Heber Light & Power

Project Analysis Form

Project Name: New Office Building - Phase 3 (Site)

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

The new building project does not include the completion of the site improvements for the entire site. This project has been delayed to provide ample time to make additional infrastructure adjustments so as to minimize disruptions to the new site during that adjustment period.

Risk Assessment:

Site adjustments will need to be made so as to limit the risk of fleet vehicles becoming mired in the muck. Additional mobility of certain equipment necessary to move equipment and materials around will be impacted.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	13,000.00	-	-	-	13,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	1,187,000.00	-	-	-	1,187,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 1,200,000.00	\$ -	\$ -	\$ -	\$ 1,200,000.00
Impact Fee %	43%	43%	43%	43%	43%	43%	43%
Net Amount:	\$ -	\$ -	\$ 684,000.00	\$ -	\$ -	\$ -	\$ 684,000.00



Generation

- 1) Annual Generation Capital Improvements
- 2) Lower Snake Creek Plant Upgrade
- 3) Upper Snake Creek Capital Improvements
- 4) Lake Creek Capital Improvements
- 5) Unit Overhauls
- 6) Unit UREA Systems
- 7) Unit Transfer New Cooling Systems
- 8) New Generation Assets
- 9) Plant Hydraulic System Upgrade
- 10) Plant 1 Replacement
- 11) Gas Plant 2 Transformer Upgrade
- 12) Lake Creek Bearing Replacement
- 13) Mobile Standby Generator

Heber Light & Power

Project Analysis Form

Project Name: Capital Improvements - Generation

Project Driver: Reliability

Priority Level: High

Purpose & Necessity:

Each year various generation related assets are needed in order to prolong the life, meet additional environmental requirements, and increase capacity. As such a blanket amount is approved in order to increase response time when upgrades are required. Furthermore it eliminates the multiple approvals that could present themselves during the course of a year for minor capital asset additions.

Risk Assessment:

Equipment will wear down to a point of non-function thus requiring additional expense to restore them to functionality again. An additional risk is that of an environmental penalty or sanction resulting from tardiness installing needed equipment.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	-	50,000.00
Materials	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	-	200,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 250,000.00
Impact Fee %	0%	0%	0%	0%	0%		0%
Net Amount:	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ -	\$ 250,000.00

Heber Light & Power

Project Analysis Form

Project Name: Lower Snake Creek Plant Upgrade

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

Each year various generation related assets are needed in order to prolong the life, meet additional environmental requirements, and increase capacity. As such a blanket amount is approved in order to increase response time when upgrades are required. Furthermore it eliminates the multiple approvals that could present themselves during the course of a year for minor capital asset additions.

Risk Assessment:

The facility will become unusable and thus eliminate the generating capacity that it provides to our system.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	-	5,000.00
Materials	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	-	20,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 25,000.00
Impact Fee %	0%	0%	0%	0%	0%		
Net Amount:	<u>\$ 5,000.00</u>	<u>\$ 5,000.00</u>	<u>\$ 5,000.00</u>	<u>\$ 5,000.00</u>	<u>\$ 5,000.00</u>	<u>\$ -</u>	<u>\$ 25,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: Upper Snake Creek Plant Upgrade

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

Each year various generation related assets are needed in order to prolong the life, meet additional environmental requirements, and increase capacity. As such a blanket amount is approved in order to increase response time when upgrades are required. Furthermore it eliminates the multiple approvals that could present themselves during the course of a year for minor capital asset additions.

Risk Assessment:

The facility will become unusable and thus eliminate the generating capacity that it provides to our system.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	-	5,000.00
Materials	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	-	20,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 25,000.00
Impact Fee %	0%	0%	0%	0%	0%		
Net Amount:	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 25,000.00

Heber Light & Power

Project Analysis Form

Project Name: Lake Creek Improvements

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

Each year various generation related assets are needed in order to prolong the life, meet additional environmental requirements, and increase capacity. As such a blanket amount is approved in order to increase response time when upgrades are required. Furthermore it eliminates the multiple approvals that could present themselves during the course of a year for minor capital asset additions.

Risk Assessment:

The facility will become unusable and thus eliminate the generating capacity that it provides to our system.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	-	5,000.00
Materials	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	-	20,000.00
Subcontractor	-	10,000.00	-	-	-	-	10,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 35,000.00
Impact Fee %	0%	0%	0%	0%	0%		0%
Net Amount:	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 35,000.00

Heber Light & Power

Project Analysis Form

Project Name: Unit Overhauls

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

The generating units are operated as needed until a requisite number of engine hours have been expired. As a measure of standard preventative maintenance, the engine is taken out of service and the engine is overhauled. The following engines are scheduled to reach their operating hours as follows:

- Unit 4 - 2023
- Unit 1&2 - 2024

Risk Assessment:

Equipment will wear down to a point of non-function thus requiring additional expense to restore them to functionality again. An additional risk is that of an untimely outage of either of these two units. By scheduling the overhaul, control of the outage/loss of production can be managed.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	8,000.00	8,000.00	8,000.00	-	-	-	24,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	180,000.00	180,000.00	75,000.00	-	-	-	435,000.00
Miscellaneous (CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 188,000.00	\$ 188,000.00	\$ 83,000.00	\$ -	\$ -	\$ -	\$ 459,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 188,000.00</u>	<u>\$ 188,000.00</u>	<u>\$ 83,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 459,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: Plant Hydraulic Upgrade

Project Driver: Growth

Priority Level: Low

Purpose & Necessity:

Both the Lake Creek and Upper Snake Creek plants are showing signs of wear on their hydraulic equipment. Similar to an engine overhaul, these generators need to have some of their hydraulic equipment either replaced or repaired to extend the life of the unit.

Risk Assessment:

Without these repairs, the units themselves will continue to operate into a failure state. At that point the plants will be offline and providing no value to the company.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	2,500.00	2,500.00	-	-	-	5,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	-	47,500.00	47,500.00	-	-	-	95,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 50,000.00	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 100,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	\$ -	\$ 50,000.00	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 100,000.00

Heber Light & Power

Project Analysis Form

Project Name: Gas Plant 2 Transformer Upgrade

Project Driver: Growth

Priority Level: Low

Purpose & Necessity:

The current transformer is only rated for 7 MW. With the replacement of Unit 5 with a new generator and the placement of Unit 4 in Unit 6's slot, additional generator load will require an upgraded transformer capable of handling 10 MW.

Risk Assessment:

The largest risk associated with the failure to complete this project is the inability to transform the energy produced by units 4, 5, 7, and 8. Projected loads will not be adequately met by the company unless the generator portfolio is maintained at the proper level.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	45,000.00	-	-	-	45,000.00
Materials	-	-	455,000.00	-	-	-	455,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 500,000.00	\$ -	\$ -	\$ -	\$ 500,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	\$ -	\$ -	\$ 500,000.00	\$ -	\$ -	\$ -	\$ 500,000.00

Heber Light & Power

Project Analysis Form

Project Name: Lake Creek Bearing Replacement

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

The bearing on the Lake Creek plant is showing signs of aging and normal wear. In order to extend the life of this plant, the bearing will need to be replaced.

Risk Assessment:

In the event a system failure occurs, the generator at the Lake Creek Hydro Plant will be offline. Thus the low-cost generator would not be supplying its regular energy at its reduced rate. Higher cost unplanned market energy would need to be secured to fill the hole in supply.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	2,000.00	-	-	-	2,000.00
Materials	-	-	8,000.00	-	-	-	8,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -	\$ 10,000.00
Impact Fee %	0%						
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 10,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 10,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: Mobile Standby Generator Purchase

Project Driver: Reliability

Priority Level: High

Purpose & Necessity:

In coordination with the Heber City Corporation, HLP will be purchasing a mobile 1MW standby generator. This generator would be dispatched by either the Heber City Corporation or HLP to needed locations during periods of upheaval on the system.

Risk Assessment:

Critical infrastructure such as water pumps or critical facilities such as rest homes or emergency back-up locations would need energy in critical outages due to multiple scenarios. This unit would be used to secure the energy for these critical locations until energy can be restored.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	1,000.00	-	-	1,000.00
Materials	-	-	-	130,000.00	-	-	130,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	(65,000.00)	-	-	(65,000.00)
Subtotal:	\$ -	\$ -	\$ -	\$ 66,000.00	\$ -	\$ -	\$ 66,000.00
Impact Fee %	0%	0%	0%	0%	0%		0%
Net Amount:	\$ -	\$ -	\$ -	\$ 66,000.00	\$ -	\$ -	\$ 66,000.00



Lines

- 1) Underground System Improvements
- 2) Aged & Environmental Distribution Replacement / Upgrade
- 3) Fault Indicator - Underground System
- 4) Annexation Asset Purchase
- 5) Install Voltage Regulators at Timber Lakes Gate
- 6) Heber Substation Additional Circuits (South & West)
- 7) Tie Line from 305 to 402 to 303
- 8) Rebuild PR 201: Main Street to Burgi Lane
- 9) Fire Mitigation - Single Phase Reclosers
- 10) Provo River Substation Get Aways Reconnect to New Site
- 11) Additional Circuits out of College to South and East
- 12) Additional Circuits out of Jailhouse to the East
- 13) Load to Parsons (Reconductor)
- 14) Reconductor Heber City Main Street: 600 South to 1000 South
- 15) Midway Substation - Get Aways
- 16) Reconductor Pine Canyon Road - Midway
- 17) Airport Road Rebuild & Loop
- 18) Reconductor JH 502/503: Old Mill Drive - 800 South to 1200 South
- 19) New Circuit to Highway 32
- 20) Jailhouse Tap Transmission Line and East Extension
- 21) Reconductor MW 101/102: 4/0 to 477
- 22) Rebuild CL 402: 600 West to Tate Lane

Heber Light & Power

Project Analysis Form

Project Name: Fault Indicator - Underground System

Project Driver: Reliability

Priority Level: Low

Purpose & Necessity:

Underground equipment becomes subject to the elements and thus begin to show signs of aging and breakdown. Thus HL&P monitors the underground equipment for aging and periodically retires worn out assets by replacing them. This project would put into place an annual amount that can be added to the system to help identify where faults are occurring on the underground portions of the distribution schedule.

Risk Assessment:

By refusing to correct the installation issues in the underground assets, HL&P is at risk of unintentional outages and potential hazardous conditions for both employees and customers.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	12,000.00
Materials	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00	48,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 60,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 10,000.00</u>	<u>\$ 10,000.00</u>	<u>\$ 10,000.00</u>	<u>\$ 10,000.00</u>	<u>\$ 10,000.00</u>	<u>\$ 10,000.00</u>	<u>\$ 60,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: Fire Mitigation - Single Phase Reclosers

Project Driver: Reliability

Priority Level: High

Purpose & Necessity:

The HLP system currently has some old reclosers that have seen their useful life expire. These reclosers are in areas prone to fire risk and as such need to be replaced with new reclosers.

Risk Assessment:

Failure to act might result in a damage causing wildfire in the event one of the existing reclosers fails.

Cash Flow Schedule:

	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	8,000.00	-	-	-	-	-	8,000.00
Materials	37,000.00	-	-	-	-	-	37,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 45,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u><u>\$45,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 45,000.00</u></u>

Heber Light & Power

Project Analysis Form

Project Name: Load to Parsons (Reconductor)

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

The feeder line that supplies energy to the Parson Gravel Pit and equipment is undersized and will need to be upgraded.

Risk Assessment:

The customer has expensive equipment that requires regular and stable voltage at higher levels to satisfy their needs. If the line voltage drops, the customer stands to experience damaged equipment increasing the risk to HLP of expensive insurance claims.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	-	-	-	100,000.00	-	-	100,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00
Impact Fee %	0%						0%
Net Amount:	\$ -	\$ -	\$ -	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00

Heber Light & Power

Project Analysis Form

Project Name: Midway Substation - Get Aways

Project Driver: Upgrade

Priority Level: High

Purpose & Necessity:

The current get aways from the Midway Substation are becoming undersized and aged. This project will replace the existing get aways with new, more appropriately sized conductor and other necessary equipment.

Risk Assessment:

Imminent failure due to the age and under-sized nature of the existing get aways. Outage and repair efforts will be determined by the type of failure which could be extensive.

Cash Flow Schedule:

	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>Overall</u>
Internal Labor	-	-	32,000.00	-	-	-	32,000.00
Materials	-	-	128,000.00	-	-	-	128,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 160,000.00	\$ -	\$ -	\$ -	\$ 160,000.00
Impact Fee %	0%	0%	50%	0%	0%	0%	50%
Net Amount:	\$ -	\$ -	\$ 80,000.00	\$ -	\$ -	\$ -	\$ 80,000.00

Heber Light & Power

Project Analysis Form

Project Name: Reconductor Pine Canyon Road - Midway

Project Driver: Upgrade

Priority Level: Low

Purpose & Necessity:

Growth in the vicinity of Pine Canyon Road has begun to exceed the acceptable conductor size for the existing assets. In order to continue to provide uninterrupted service along this feeder, the conductor needs to be upgraded.

Risk Assessment:

Failure of the existing assets will result in outages with a high likelihood of a prolonged outage. This project will achieve N-1 standard on this circuit. It is currently below this standard and as such the system reliability is at risk.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	36,000.00	-	-	36,000.00
Materials	-	-	-	144,000.00	-	-	144,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ 180,000.00	\$ -	\$ -	\$ 180,000.00
Impact Fee %	60%	60%	60%	60%	60%	60%	60%
Net Amount:	\$ -	\$ -	\$ -	\$ 72,000.00	\$ -	\$ -	\$ 72,000.00



Substation

- 1) 2nd Point of Interconnect
- 2) Replacement Recloser for Joslyn Reclosers
- 3) Battery Replacement Program
- 4) Heber Nitrogen Regulator Upgrade
- 5) Midway Recloser Upgrade
- 6) Cloyes LTC Rebuild
- 7) Heber Relay Upgrade
- 8) Jailhouse Fence Replacement
- 9) Midway Fence Replacement
- 10) Midway Substation - High Side Rebuild
- 11) Northeast POD Substation
- 12) East Substation

Heber Light & Power

Project Analysis Form

Project Name: 2nd Point of Interconnect Substation(POI)

Project Driver: Growth

Priority Level: High

Purpose & Necessity:

Growth within the system has been steadily increasing for numerous years. The system is currently fed off of a single point of interconnect to the RMP system. This point of interconnect is fed from a radial (meaning single line) service line. In addition the transformer at the end of the radial line is quickly becoming undersized for the local load on our system. This project will provide a second interconnect substation thus reducing the loading on the existing substation transformer. Numerous engineering studies have been conducted on the system and each has drawn the conclusion that the current system will be over-capacity by 2022 at the latest.

Risk Assessment:

This point of interconnect has two significant risks associated with it; 1) risk of damage to the radial feed thus causing immediate outages to all customers, and 2) interconnect site is currently sized to be out of capacity by 2022. If the single interconnect transformer becomes overloaded, RMP will begin to remove load from the transformer which will result in regular prolonged rolling brown-outs. All customers in the system will have a daily outage lasting up to 6 hours during peak load windows.

Cash Flow Schedule:

	2018	2019	2020	2021	2022	2023	Overall
Internal Labor	19,530.67	36,073.50	30,746.89	39,782.54	35,112.55	85,000.00	246,246.15
Materials	-	-	-	752.04	3,054,251.57	14,122,000.00	17,177,003.61
Subcontractor	67,158.85	61,826.73	61,784.00	703,966.52	985,061.65	1,855,000.00	3,734,797.75
Miscellaneous	-	2,100,000.00	-	-	-	-	2,100,000.00
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 86,689.52	\$ 2,197,900.23	\$ 92,530.89	\$ 744,501.10	\$ 4,074,425.77	\$ 16,062,000.00	\$ 23,258,047.51
Impact Fee %	70%	70%	70%	70%	70%	70%	70%
Net Amount:	\$ 26,006.86	\$ 659,370.07	\$ 27,759.27	\$ 223,350.33	\$ 1,222,327.73	\$ 4,818,600.00	\$ 6,977,414.25

Heber Light & Power

Project Analysis Form

Project Name: Replacement Recloser for Joslyn Reclosers

Project Driver: Replacement

Priority Level: Medium

Purpose & Necessity:

HL&P has a series of Joslyn Reclosers that have historically been less than reliable. The company has been swapping out these reclosers as they fail so as to maximize the usage of these reclosers. This program will spread the cost of replacement of these defective reclosers across multiple years.

Risk Assessment:

Without a spare recloser, a failure of one of the remaining Joslyn Reclosers will see a prolonged outage for a series of HL&P circuits.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	25,000.00	-	-	-	-	-	25,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 25,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000.00
Impact Fee %	0%	0%					0%
Net Amount:	<u><u>\$ 25,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 25,000.00</u></u>

Heber Light & Power

Project Analysis Form

Project Name: Battery Replacement Program

Project Driver: Replacement

Priority Level: Low

Purpose & Necessity:

The batteries in Plant 2 will have reached their cycle life in 2022. The batteries at College Substation and the Lower Snake Creek Plant will reach their life cycle end in 2024. This project will see that they are replaced.

Risk Assessment:

Battery systems provide back-up energy for black start in the event of a system transmission failure. Without them, the generator will not have energy sufficient to come online. These batteries also serve as a back-up to the switchgear equipment for similar purposes.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	2,000.00	-	-	-	-	-	2,000.00
Materials	8,000.00	-	-	-	-	-	8,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
Impact Fee %							0%
Net Amount:	<u><u>\$ 10,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 10,000.00</u></u>

Heber Light & Power

Project Analysis Form

Project Name: Heber Nitrogen Regulator Upgrade

Project Driver: Safety

Priority Level: High

Purpose & Necessity:

High voltage is inherently dangerous and the use of inert gases on critical equipment in the substation reduces risk of electrical flash fires and explosions. The regulators within the Heber Substation could use an upgrade with the addition of nitrogen units to assist in the protection scheme at the site.

Risk Assessment:

Potential for an arc flash if the regulator(s) are not upgraded with nitrogen capabilities.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	3,500.00	-	-	-	-	-	3,500.00
Materials	14,500.00	-	-	-	-	-	14,500.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 18,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000.00
Impact Fee %	0%	0%	0%	0%			
Net Amount:	<u><u>\$ 18,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 18,000.00</u></u>

Heber Light & Power

Project Analysis Form

Project Name: Midway Recloser Upgrade

Project Driver: Safety

Priority Level: High

Purpose & Necessity:

The reclosers at the Midway Substation have reached that point in their life cycle that they need to be replaced. As an automated piece of the substation, these reclosers need to be in proper working order. This project will retire the old that have served well and replace them with new.

Risk Assessment:

Potential for a failure due to aged equipment carries a risk of damage to the transformer, risk of life or serious injury to customers and employees, or potential for prolonged outages if not replaced.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	2,300.00	-	-	-	-	-	2,300.00
Materials	8,700.00	-	-	-	-	-	8,700.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 11,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,000.00
Impact Fee %	0%	0%	0%	0%			
Net Amount:	<u><u>\$ 11,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 11,000.00</u></u>

Heber Light & Power

Project Analysis Form

Project Name: Cloyes LTC Rebuild

Project Driver: Reliability

Priority Level: Low

Purpose & Necessity:

The Load Tap Changer (LTC) in a transformer allows automatic adjustment of voltage regulation. The Cloyes LTC needs to be rebuilt due to age and wear.

Risk Assessment:

Automatic voltage regulation of the transformer will fail during different loading scenarios. This will ultimately result in an outage so as to protect the assets.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	8,000.00	-	-	-	-	8,000.00
Materials	-	32,000.00	-	-	-	-	32,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ 40,000.00
Impact Fee %							0%
Net Amount:	\$ -	\$ 40,000.00	\$ -	\$ -	\$ -	\$ -	\$ 40,000.00

Heber Light & Power

Project Analysis Form

Project Name: Heber Relay Upgrade

Project Driver: Replacement

Priority Level: Medium

Purpose & Necessity:

The equipment in the substations and generation plants are controlled by a computer like device called a relay. These relays have a potential to fail without notice and have no real preventative maintenance options. The relays in the Heber Substation are an older version no longer supported after 2024.

Risk Assessment:

Without the upgrade of these relays, the Heber Substation will not be properly monitored and controlled by the Dispatch department. Lack of proper monitoring and supervisory control creates serious risk to life and equipment.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	5,000.00	-	5,000.00	-	-	10,000.00
Materials	-	25,000.00	-	30,000.00	-	-	55,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 30,000.00	\$ -	\$ 35,000.00	\$ -	\$ -	\$ 65,000.00
Impact Fee %							0%
Net Amount:	\$ -	\$ 30,000.00	\$ -	\$ 35,000.00	\$ -	\$ -	\$ 65,000.00

Heber Light & Power

Project Analysis Form

Project Name: Jailhouse Fence Replacement

Project Driver: Replacement

Priority Level: Low

Purpose & Necessity:

The jailhouse substation currently has a chain-link fence that prohibits unauthorized access. This fence is subject to high winds and regularly requires maintenance and occasional replacement of portions. A new fence more suited to handling the wind and other environmental factors while meeting the security and operational needs would be installed as part of this project. The current fence is 790 linear feet long.

Risk Assessment:

The company will continue to spend OMAG dollars on maintaining a fence that is truly not the correct type of fence for the designed purpose. With inadequate security as a result of this fence, the company has an increased risk of liability for injury or life lost. Furthermore risk exists that critical infrastructure might be damaged leading to extended outages affecting customers.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	10,000.00	-	-	-	10,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	119,000.00	-	-	-	119,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 129,000.00	\$ -	\$ -	\$ -	\$ 129,000.00
Impact Fee %							0%
Net Amount:	\$ -	\$ -	\$ 129,000.00	\$ -	\$ -	\$ -	\$ 129,000.00

Heber Light & Power

Project Analysis Form

Project Name: Midway Fence Replacement

Project Driver: Replacement

Priority Level: Low

Purpose & Necessity:

The Midway Substation currently has a chain-link fence that prohibits unauthorized access. This fence has reached its useful life and is in need of replacement.

Risk Assessment:

The company will continue to spend OMAG dollars on maintaining a fence that is truly not the correct type of fence for the designed purpose. With inadequate security as a result of this fence, the company has an increased risk of liability for injury or life lost. Furthermore risk exists that critical infrastructure might be damaged leading to extended outages affecting customers.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	2,500.00	-	-	-	2,500.00
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	47,500.00	-	-	-	47,500.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00
Impact Fee %							0%
Net Amount:	\$ -	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ 50,000.00

Heber Light & Power

Project Analysis Form

Project Name: Midway Substation - High Side Rebuild

Project Driver: Growth

Priority Level: Low

Purpose & Necessity:

The Midway Substation has slowly taken on more load until it has reached its capacity on the high-side of the transformer. It is estimated that by 2022 the high-side will need to be rebuilt to serve the loads being placed on the transformer.

Risk Assessment:

The high side of the transformer is the side receiving energy from the grid. If the feed to the transformer is compromised, a prolonged outage will be experienced on the substation thus affecting all of the circuits.

Cash Flow Schedule:

	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>Overall</u>
Internal Labor	-	120,000.00	-	-	-	-	120,000.00
Materials	-	2,536,000.00	-	-	-	-	2,536,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 2,656,000.00	\$ -	\$ -	\$ -	\$ -	\$ 2,656,000.00
Impact Fee %	90%	90%	90%	90%	90%	90%	90%
Net Amount:	\$ -	\$ 265,600.00	\$ -	\$ -	\$ -	\$ -	\$ 265,600.00

Heber Light & Power

Project Analysis Form

Project Name: Northeast Point of Delivery Substation

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

The annexation by Heber City has presented a need for a new point of delivery substation on the Northeast part of the system. A direct tap off of the PacifiCorp 138kV system will be required to serve the loads brought on by the large development that is being planned for that area. Other projects in this capital plan are being undertaken to connect the early development stages of this master plan but the ultimate need for energy in this area will require a new point of interconnect.

Risk Assessment:

Without this substation, HLP will be unable to serve the proposed 6,500 units for this area.

Cash Flow Schedule:

	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>Overall</u>
Internal Labor	12,000.00	-	50,000.00	50,000.00	-	-	112,000.00
Materials	-	-	11,400,000.00	1,000,000.00	-	-	12,400,000.00
Subcontractor	-	-	500,000.00	2,000,000.00	-	-	2,500,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 12,000.00	\$ -	\$ 11,950,000.00	\$ 3,050,000.00	\$ -	\$ -	\$ 15,012,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Information Technology

- 1) IT Upgrades
- 2) OT Upgrades
- 3) Smart Grid Investment
- 4) AMI Tower - North Village
- 5) Fiber Improvements

Heber Light & Power

Project Analysis Form

Project Name: 2023 Capital Improvements - IT

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

The following collective list of minor capital assets are various technology components that will be purchased over 2023 for installation:

- Computer Replacement Program... \$50,000
- Server Upgrades \$70,000

Risk Assessment:

These assets help HL&P to safely manage and maintain the system and each component carries its own risk if failure to secure said item happens.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	11,000.00	11,000.00	10,000.00	2,000.00	2,000.00	2,000.00	38,000.00
Materials	109,000.00	109,000.00	75,000.00	58,000.00	58,000.00	58,000.00	467,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 120,000.00	\$ 120,000.00	\$ 85,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 505,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 120,000.00</u>	<u>\$ 120,000.00</u>	<u>\$ 85,000.00</u>	<u>\$ 60,000.00</u>	<u>\$ 60,000.00</u>	<u>\$ 60,000.00</u>	<u>\$ 505,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: 2023 Capital Improvements - OT

Project Driver: Reliability

Priority Level: Medium

Purpose & Necessity:

Different operation technology is needed from time to time. This is a blanket amount to ensure that some level of funding is available in the event a piece of equipment or an upgrade to software is required during the year.

Risk Assessment:

These assets help HL&P to safely manage and maintain the system and each component carries its own risk if failure to secure said item happens.

Cash Flow Schedule:

	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>Overall</u>
Internal Labor	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	36,000.00
Materials	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	144,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 180,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 30,000.00</u>	<u>\$30,000.00</u>	<u>\$ 30,000.00</u>	<u>\$ 30,000.00</u>	<u>\$ 30,000.00</u>	<u>\$ 30,000.00</u>	<u>\$ 180,000.00</u>

Heber Light & Power

Project Analysis Form

Project Name: 2023 Fiber Improvements

Project Driver: Growth

Priority Level: Medium

Purpose & Necessity:

With the addition of the South Fields Substation, the entire fiber communication system of the HLP grid needs to be upgraded and enhanced.

Risk Assessment:

The grid technology brought on as part of the Cross Valley Transmission line and South Fields Substation require fiber communications. The fiber has been hung on the lines but the connections and the expansion to other HLP properties needs to be completed to ensure that the protection and control scheme operates as designed.

Cash Flow Schedule:

	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>Overall</u>
Internal Labor	6,500.00	-	-	-	-	-	6,500.00
Materials	148,500.00	-	-	-	-	-	148,500.00
Subcontractor	45,000.00	-	-	-	-	-	45,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$200,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 200,000.00</u>



Tools / Equipment

- 1) 2023 Annual Program

Heber Light & Power

Project Analysis Form

Project Name: 2023 Capital Improvements - Tools

Project Driver: Replacement

Priority Level: Medium

Purpose & Necessity:

The following collective list of tools are planned to be purchased over 2023:

-Metering

- Meter Programmer Tool \$60,000

-Substation

- Potential Substation Monitor Tool ... \$14,000

- Distribution

- Drone..... \$10,000

- Phase ID System \$9,000

- Cutter/Crimper \$3,000

- Beier Tester \$2,000

- Recording Volt Meter \$3,000

- Dead-end Arms \$4,000

- Mini-Ex Trailer \$15,000

Risk Assessment:

These tools are required in order to keep the various crews working efficiently and safely.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	120,000.00	183,000.00	25,000.00	250,000.00	25,000.00	25,000.00	628,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 120,000.00	\$ 183,000.00	\$ 25,000.00	\$ 250,000.00	\$ 25,000.00	\$ 25,000.00	\$ 628,000.00
Impact Fee %	0%	0%	0%	0%	0%		0%
Net Amount:	<u><u>\$ 120,000.00</u></u>	<u><u>\$ 183,000.00</u></u>	<u><u>\$ 25,000.00</u></u>	<u><u>\$ 250,000.00</u></u>	<u><u>\$ 25,000.00</u></u>	<u><u>\$ 25,000.00</u></u>	<u><u>\$ 628,000.00</u></u>



Vehicles

- 1) 2023 Annual Program

Heber Light & Power

Project Analysis Form

Project Name: 2023 Capital Improvements - Vehicles

Project Driver: Replacement

Priority Level: Medium

Purpose & Necessity:

The following vehicles are planned to be ordered in 2023. Only one light-duty fleet trucks will actually arrive however.

- One(1) Digger Derrick Line Truck (\$300,000) - Replaces truck 206 - International Bucket Truck
- Two (2) 3500 Series Heavy Duty Truck (\$120,000) - Replace trucks 215 and 249 - Chevrolet 3500, Ford F-350
- Two(2) 1500 Light-Duty Fleet Trucks (\$70,000) - Replace trucks 216 and 218 - Ford F-150's

Risk Assessment:

These vehicles are deemed necessary to adequately service the territory. These vehicle purchases are meant to replace existing vehicles that have reached their useful life based upon company policy.

Cash Flow Schedule:

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	35,000.00	830,000.00	970,000.00	-	570,000.00	-	2,405,000.00
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 35,000.00	\$ 830,000.00	\$ 970,000.00	\$ -	\$ 570,000.00	\$ -	\$ 2,405,000.00
Impact Fee %	0%	0%	0%	0%	0%		0%
Net Amount:	\$ 35,000.00	\$ 830,000.00	\$ 970,000.00	\$ -	\$ 570,000.00	\$ -	\$ 2,405,000.00



Metering

- 1) 2023 Metering Installs

