



# Heber Light & Power

Calendar Year 2024

Fees/Rates, Operating and Capital Budgets

[This Page Left Intentionally Blank]

# 2024 Rates/Fees

## Fees

Description	Amount	Comments
<b><u>Billing/Office Fees</u></b>		
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	
<b><u>Construction Fees</u></b>		
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	75.00	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
<b><u>New Service / Meter Related Fees</u></b>		
Wire Pull (up to 400 amps)	380.00 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	400.00	Included in current schedule.
<b><u>Device Fees</u></b>		
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

	<u>1/1/2023-9/30/2023</u>	<u>10/1/2023-12/31/2023</u>
<b><i>Residential</i></b>		
Base/Customer Charge: <=400 AMP / >400 AMP	16.90 / 30.90	17.90 / 33.90
1st 1,000 kWh	0.09887/kWh	0.10436/kWh
All Additional	0.11927/kWh	0.12476/kWh
Solar Net Meter	(0.09887)/kWh	(0.0900)/kWh
<b><i>Residential (Time-of-Use) Opt-in</i></b>		
Base/Customer Charge: <=400 AMP / >400 AMP	16.90 / 30.90	17.90 / 33.90
Winter On-Peak	0.14371/kWh	0.15251/kWh
Winter Off-Peak	0.07221/kWh	0.07663/kWh
Summer On-Peak	0.20376/kWh	0.21256/kWh
Summer Off-Peak	0.10055/kWh	0.10489/kWh
<b><i>Residential - Pumping</i></b>		
Base/Customer Charge	23.00	26.00
Demand Rate	9.85/kW	9.85/kW
All kWh	0.06134/kWh	0.06092/kWh
<b><i>General Service - Small (1kW &lt;X&lt;= 30kW) (Single Phase)</i></b>		
Base/Customer Charge	20.00	23.00
Demand Rate	11.10/kW	11.60/kW
1st 500 kWh	0.079/kWh	0.078/kWh
All Additional	0.05345/kWh	0.05544/kWh
<b><i>General Service - Small (1kW &lt;X&lt;= 30kW) (3-Phase)</i></b>		
Base/Customer Charge	27.00	31.00
Demand Rate	11.10/kW	11.60/kW
1st 500 kWh	0.079/kWh	0.078/kWh
<b><i>General Service - Small (1kW &lt;X&lt;= 30kW) Pumping</i></b>		
Base/Customer Charge	31.25	38.50
Demand Rate	9.85/kW	9.85/kW
All kWh	0.06134/kWh	0.06092/kWh
<b><i>General Service - Medium (&gt;30kW &amp; &lt;= 250kW)</i></b>		
Base/Customer Charge	127.00	145.00
Demand Rate	13.45/kW	13.95/kW
1st 500 kWh	0.05360/kWh	0.05662/kWh
All Additional	0.05260/kWh	0.05662/kWh
<b><i>General Service - Medium (&gt;30kW) - Pumping</i></b>		
Base/Customer Charge	127.00	145.00
Demand Rate	9.85/kW	9.85/kW
All kWh	0.06134/kWh	0.06092/kWh
<b><i>General Service - Large (&gt; 250kW)</i></b>		
Base/Customer Charge	287.00	342.00
Demand Rate	15.10/kW	15.10/kW
All kWh	0.05015/kWh	0.05289/kWh

## Energy Rebate Schedule

<b>Energy Star Rated Appliance (per Terms and Conditions)</b>	<b>Rebate Amount</b>
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
Duel 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

## 2024 Budget – Executive Summary (State Format)

	2022 Actual	2023 Budget	2023 Forecast	2024 Budget
<b>REVENUES</b>				
Electricity Sales	\$21,602,690	\$23,520,378	\$23,592,033	\$25,725,723
Electricity Sales - Jordanelle	1,142,043	1,894,620	1,891,988	1,605,896
Connect Fees	133,526	138,656	140,741	140,741
Other / Miscellaneous Income	199,128	254,125	254,298	289,063
<i>Total Revenues</i>	<i>\$23,077,387</i>	<i>\$25,807,779</i>	<i>\$25,879,060</i>	<i>\$27,761,423</i>
<b>COST OF ELECTRIC SERVICE</b>				
Power Purchases	(12,610,175)	(12,045,597)	(11,621,737)	(15,132,641)
Power Purchases - Jordanelle	(1,142,043)	(1,894,620)	(1,891,987)	(1,605,896)
Salaries, Wages, Benefits (Unall	(395,693)	(951,383)	(1,081,567)	(1,137,489)
System Maintenance / Training	(4,750,443)	(4,138,377)	(4,795,047)	(5,295,605)
Depreciation (Unallocated)	(3,004,438)	(3,428,998)	(2,836,190)	(3,125,000)
Gas Generation	(1,898,660)	(1,971,015)	(1,757,435)	(1,927,966)
Other	(275,638)	(341,355)	(322,638)	(356,450)
Vehicle	(418,186)	(475,854)	(448,741)	(426,067)
Office	(141,962)	(190,711)	(171,604)	(179,545)
Energy Rebates	(40,524)	(150,000)	(73,101)	(150,000)
Professional Services	(231,565)	(214,097)	(229,128)	(232,000)
Materials	(252,471)	(206,077)	(214,448)	(230,765)
Building Expenses	(45,975)	(52,454)	(49,497)	(52,180)
Bad Debts	(15,576)	(16,040)	(3,782)	(3,938)
<i>Total Operating Expenses</i>	<i>(25,223,349)</i>	<i>(26,076,578)</i>	<i>(25,496,902)</i>	<i>(29,855,542)</i>
Operating Income	(2,145,963)	(268,797)	382,158	(2,094,119)
<b>Operating Income less Depreciation</b>	<b>858,476</b>	<b>2,960,199</b>	<b>3,218,348</b>	<b>1,030,881</b>
<i>Non-Operating Revenues (Expenses)</i>				
Debt Service	(1,322,344)	(1,621,421)	(1,792,508)	(1,725,526)
Interest Income	276,314	1,466,334	1,595,854	550,000
Impact Fees	3,195,068	3,333,447	3,801,977	3,000,000
Contributions in aid of Construc	4,056,099	3,331,665	4,625,980	3,000,000
Dividends	(300,000)	(225,000)	(150,000)	(300,000)
<b>OPERATING MARGIN</b>	<b>6,763,613</b>	<b>9,245,224</b>	<b>11,299,651</b>	<b>5,555,355</b>
<b>CAPITAL EXPENDITURES</b>				
Generation - Hydro	118,836	65,000	0	75,000
Generation – Gas Plant	710,000	3,728,000	1,090,260	4,418,000
Distribution	8,897,722	1,785,000	5,009,229	6,480,000
Substation	2,400,000	16,126,000	0	16,163,000
Metering	115,989	18,400	72,701	114,000
Buildings	19,405	8,500,000	2,567,000	14,174,000
Vehicles	171,358	35,000	72,701	985,000
Tools	385,042	120,000	631,002	183,000
Technology – IT	471,046	230,000	29,331	230,000
<i>Total Capital</i>	<i>13,289,398</i>	<i>30,607,400</i>	<i>9,472,224</i>	<i>42,822,000</i>

# Heber Light & Power Company

## 2024 Budget – Executive Summary (Actuals Format)

	2021 Actual	2022 Actual	2023 Forecast	2024 Budget
<b>REVENUES</b>				
Electricity Sales	\$19,797,593	\$21,602,690	\$23,592,033	\$25,725,723
Electricity Sales - Jordanelle	1,334,051	1,142,043	1,891,988	1,605,896
Connect Fees	34,770	133,526	140,741	140,741
Other / Miscellaneous Income	254,102	199,128	254,298	289,063
<i>Total Revenues</i>	<i>\$21,420,516</i>	<i>\$23,077,387</i>	<i>\$25,879,060</i>	<i>\$27,761,423</i>
<b>COST OF ELECTRIC SERVICE</b>				
Power Purchases	(9,163,150)	(12,610,175)	(11,621,737)	(15,132,641)
Power Purchases - Jordanelle	(1,270,502)	(1,142,043)	(1,891,987)	(1,605,896)
Salaries, Wages, Benefits (Unall	(774,065)	(395,693)	(1,081,567)	(1,137,489)
System Maintenance / Training	(3,837,114)	(4,750,443)	(4,795,047)	(5,295,605)
Depreciation (Unallocated)	(2,706,425)	(3,004,438)	(2,836,190)	(3,125,000)
Gas Generation	(1,116,349)	(1,898,660)	(1,757,435)	(1,927,966)
Other	(299,010)	(275,638)	(322,638)	(356,450)
Vehicle	(419,213)	(418,186)	(448,741)	(426,067)
Office	(131,914)	(141,962)	(171,604)	(179,545)
Energy Rebates	(27,549)	(40,524)	(73,101)	(150,000)
Professional Services	(133,927)	(231,565)	(229,128)	(232,000)
Materials	(130,298)	(252,471)	(214,448)	(230,765)
Building Expenses	(36,220)	(45,975)	(49,497)	(52,180)
Bad Debts	(11,439)	(15,576)	(3,782)	(3,938)
<i>Total Operating Expenses</i>	<i>(20,057,175)</i>	<i>(25,223,349)</i>	<i>(25,496,902)</i>	<i>(29,855,542)</i>
Operating Income	1,363,341	(2,145,963)	382,158	(2,094,119)
<b>Operating Income less Depreciation</b>	<b>4,069,766</b>	<b>858,476</b>	<b>3,218,348</b>	<b>1,030,881</b>
<i>Non-Operating Revenues (Expenses)</i>				
Debt Service	(1,615,082)	(1,322,344)	(1,792,508)	(1,725,526)
Interest Income	80,566	276,314	1,595,854	550,000
Impact Fees	2,387,447	3,195,068	3,801,977	3,000,000
Contributions in aid of Construc	6,100,580	4,056,099	4,625,980	3,000,000
Dividends	(300,000)	(300,000)	(150,000)	(300,000)
<b>OPERATING MARGIN</b>	<b>10,723,277</b>	<b>6,763,613</b>	<b>11,299,651</b>	<b>5,555,355</b>
<b>CAPITAL EXPENDITURES</b>				
Generation - Hydro	2,169	118,836	0	75,000
Generation – Gas Plant	1,206,145	710,000	1,090,260	4,418,000
Distribution	4,405,746	8,897,722	5,009,229	6,480,000
Substation	5,921	2,400,000	0	16,163,000
Metering	57,559	115,989	72,701	114,000
Buildings	1,000,446	19,405	2,567,000	14,174,000
Vehicles	30,419	171,358	72,701	985,000
Tools	193,032	385,042	631,002	183,000
Technology – IT	109,686	471,046	29,331	230,000
<i>Total Capital</i>	<i>7,011,123</i>	<i>13,289,398</i>	<i>9,472,224</i>	<i>42,822,000</i>

# Operating Expenditures Budget

## Revenues

The 2024 electricity revenues are budgeted to increase 7.28% over the projected 2023 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>2022 Actual</u>	<u>2023 Budget</u>	<u>2023 Forecast</u>	<u>2024 Budget</u>
REVENUES				
Electricity Sales	\$21,602,690	\$23,520,378	\$23,592,033	\$25,725,723
Electricity Sales - Jordanelle	1,142,043	1,894,620	1,891,988	1,605,896
Connect Fees	133,526	138,656	140,741	140,741
Other / Miscellaneous Income	199,128	254,125	254,298	289,063
<i>Total Revenues</i>	<i>\$23,077,387</i>	<i>\$25,807,779</i>	<i>\$25,879,060</i>	<i>\$27,761,423</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 2024. the addition of 1 new employee 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 2024 Budget.



## **Capital Expenditures Budget**

The Capital Budget for 2024 totals \$42,822,000. Heber Light & Power anticipates utilizing revenue from energy sales, debt financing, capital in aid of construction and through impact fees to complete the 2024 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 \$5.0 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.

<b><u>Classification</u></b>	<b><u>Expenditure</u></b>	<b><u>Impact</u></b>	<b><u>CIAC</u></b>	<b><u>Net Amount</u></b>
Generation - Hydro	75,000	-	-	75,000
Generation – Gas Plant	4,418,000	-	-	4,418,000
Distribution	6,480,000	-	(3,000,000)	3,480,000
Substation	16,163,000	(3,000,000)	-	13,163,000
Metering	114,000	-	(96,000)	18,000
Buildings	14,174,000	-	-	14,174,000
Vehicles	985,000	-	-	985,000
Tools	183,000	-	-	183,000
Technology – IT	230,000	-	-	230,000
Total Capital Expenditures:				<u>\$36,726,000</u>
Principal Payments on Long-Term Debt:				1,480,053
Total Cash Requirements:				<u>\$38,206,053</u>
Cash on Hand:				
Current CWIP				14,581,056
2023 Bond				26,855,396
Projects Reserve				568,628
Total Cash Available for Projects:				<u>\$42,005,080</u>
Total Funds to Raise to Complete Capital Plan:				<u>\$0</u>

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



## 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) College Substation Perimeter Xeriscaping
- 7) New Office Building - Phase 2 (Current Campus Modifications)
- 8) Millflat Water Line Replacement
- 9) 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	42,500.00	65,000.00	-	116,443.22
Materials	-	-	-	4,500.00	2,500.00	-	7,000.00
Subcontractor	69,585.60	25,341.45	272,571.30	615,058.43	15,700,000.00	-	16,682,556.78
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 76,113.43	\$ 26,611.82	\$ 273,716.32	\$ 662,058.43	\$15,767,500.00	\$ -	\$ 16,806,000.00
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>\$ 377,373.31</u>	<u>\$ 8,987,475.00</u>	<u>\$ -</u>	<u>\$ 9,579,420.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** EV Charging Systems

**Project Driver:** Upgrade

**Priority Level:** Medium

**Purpose & Necessity:**

Electric vehicles are beginning to become more prevalent on our system. The installation of 6 strategically placed charging stations throughout the territory have proven to be useful to the company. These chargers are level 2 type chargers. The State of Utah has received funds through the Investment Recovery Act to partner with local electric companies to expand the national fast charger network. Heber Light & Power has submitted the paperwork and is awaiting notice of a grant (30%) to assist in the installation of a charger at a local place of business. The business has been approached and is looking forward to partnering with HLP on this charger install.

**Risk Assessment:**

Without this project, HLP will continue to see vendors selling our product at a mark-up.

**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	12,000.00	-	-	-	-	-	12,000.00
Materials	179,000.00	-	-	-	-	-	179,000.00
Subcontractor	30,000.00	-	-	-	-	-	30,000.00
Miscellaneous	10,000.00	-	-	-	-	-	10,000.00
Grant	(69,300.00)	-	-	-	-	-	(69,300.00)
Subtotal:	\$ 161,700.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 161,700.00
Impact Fee %	0%						
Net Amount:	<u>\$ 161,700.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 161,700.00</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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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><u>\$ 65,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 65,000.00</u></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>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ 15,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 65,000.00</u>

# 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>\$ 329,738.57</u>	<u>\$ 558,368.57</u>	<u>\$ 638,220.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,150,000.00</u>	<u>\$ 2,676,327.14</u>



# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	-	-
Materials	-	-	-	-	-	-	-
Subcontractor	-	10,000.00	-	-	-	-	10,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 10,000.00	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
Impact Fee %	0%						0%
Net Amount:	<u>\$ -</u>	<u>\$ 10,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 10,000.00</u>

# 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:	<u>\$ -</u>	<u>\$ 750,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 750,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 50,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 50,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 684,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 684,000.00</u>



## 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

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	60,000.00
Materials	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	40,000.00	240,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 300,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ 300,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	6,000.00
Materials	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	24,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 30,000.00
Impact Fee %	0%	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>\$ 5,000.00</u>	<u>\$ 30,000.00</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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	6,000.00
Materials	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	24,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 30,000.00
Impact Fee %	0%	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>\$ 5,000.00</u>	<u>\$ 30,000.00</u>



# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	6,000.00
Materials	14,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	34,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 40,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 15,000.00</u>	<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>\$ 40,000.00</u>

# 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>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	8,000.00	-	-	-	24,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	172,000.00	92,000.00	92,000.00	-	-	-	356,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 180,000.00	\$ 100,000.00	\$ 100,000.00	\$ -	\$ -	\$ -	\$ 380,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 180,000.00</u>	<u>\$ 100,000.00</u>	<u>\$ 100,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 380,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Unit UREA Systems

**Project Driver:** Growth

**Priority Level:** Medium

**Purpose & Necessity:**

The most recent Emissions Analysis undertaken by the State has shown that UREA systems need to be installed on certain units to comply with the Company Operating Air Permit. This project will see that these are completed and the Company is in full compliance with the State requirements.

**Risk Assessment:**

Heber Light & Power will be unable to meet the required air quality permit, thus shutting down the internal production undertaken by HLP.

**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	4,000.00	15,000.00	5,000.00	-	-	-	24,000.00
Materials	8,000.00	640,000.00	200,000.00	-	-	-	848,000.00
Subcontractor	3,000.00	145,000.00	180,000.00	-	-	-	328,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 15,000.00	\$ 800,000.00	\$ 385,000.00	\$ -	\$ -	\$ -	\$ 1,200,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** New Generation

**Project Driver:** Growth

**Priority Level:** Medium

**Purpose & Necessity:**

The current generation portfolio will be heavily strained by 2025 without the procurement of other generating sources. Load growth is projected to be regular and consistent. The generator portfolio is used regularly to defer the market risk that is inherent with the increasing resource needs of the company. The company recently worked with the Caterpillar and Wheeler organizations to install a battery bank, as well as installed a new test engine in 2023. These combined with Unit 5 replacement will potentially come out of the test window and need to be paid for at said time.

**Risk Assessment:**

Heber Light & Power is regularly attempting to diversify the generation portfolio. Without the acquisition of additional resources, the Company will be forced to purchase more energy from the market at the prevailing rates which may not favor the Company.

**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	18,000.00	-	-	-	-	-	18,000.00
Materials	3,420,000.00	-	-	-	-	-	3,420,000.00
Subcontractor	77,000.00	-	-	-	-	-	77,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 3,515,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,515,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ 50,000.00</u>	<u>\$ 50,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 100,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	15,000.00	25,000.00	-	-	-	-	40,000.00
Materials	265,000.00	395,000.00	-	-	-	-	660,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 280,000.00	\$ 420,000.00	\$ -	\$ -	\$ -	\$ -	\$ 700,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$280,000.00</u>	<u>\$420,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 700,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Plant 1 Replacement

**Project Driver:** Upgrade

**Priority Level:** Low

**Purpose & Necessity:**

As Plant 1 is converted to other purposes, the plant itself will need to be replaced. This project will build a new plant on the end of the new office building as well as install a series of new units to provide heat to the building and additional generation capacity to the system.

**Risk Assessment:**

Less generation ability lends additional exposure to the market volatility.

**Cash Flow Schedule:**

	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>Overall</u>
Internal Labor	100,000.00	15,000.00	15,000.00	-	15,000.00	-	145,000.00
Materials	-	-	-	-	-	-	-
Subcontractor	6,900,000.00	2,985,000.00	2,485,000.00	-	2,485,000.00	-	14,855,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 7,000,000.00	\$ 3,000,000.00	\$ 2,500,000.00	\$ -	\$ 2,500,000.00	\$ -	\$ 15,000,000.00
Impact Fee %	0%	0%	100%	0%	0%	0%	
Net Amount:	<u>\$7,000,000.00</u>	<u>\$3,000,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$2,500,000.00</u>	<u>\$ -</u>	<u>\$12,500,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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>\$ 10,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 10,000.00</u>





## Lines

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

# Heber Light & Power

## Project Analysis Form

**Project Name:** Underground System Improvements

**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.

**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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	34,000.00	34,000.00	34,000.00	34,000.00	34,000.00	34,000.00	204,000.00
Materials	182,000.00	205,000.00	218,000.00	91,000.00	91,000.00	91,000.00	878,000.00
Subcontractor	34,000.00	36,000.00	37,000.00	25,000.00	25,000.00	25,000.00	182,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 250,000.00	\$ 275,000.00	\$ 289,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	#####
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 250,000.00</u>	<u>\$ 275,000.00</u>	<u>\$ 289,000.00</u>	<u>\$ 150,000.00</u>	<u>\$ 150,000.00</u>	<u>\$ 150,000.00</u>	<u>#####</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Aged & Environmental Distribution Replacement/Upgrade

**Project Driver:** Reliability

**Priority Level:** Medium

**Purpose & Necessity:**

Distribution poles are subject to aging and decomposition. In addition, the equipment framing on some of the structures are of such an age in which proper safeguards were not put into to place to ensure raptor protection and safety. After having recently completed an avian study on the entire system as well as a pole density test on 50% of the system, it is imperative that replacement structures are installed in place of those identified as failing on either of the two studies.

**Risk Assessment:**

By refusing to correct the failing structures, HL&P is at risk of unintentional outages and potential hazardous conditions for both employees, customers, and wildlife.

**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	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	120,000.00
Materials	180,000.00	200,000.00	138,000.00	130,000.00	130,000.00	130,000.00	908,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 200,000.00	\$ 220,000.00	\$ 158,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	#####
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 200,000.00</u>	<u>\$ 220,000.00</u>	<u>\$ 158,000.00</u>	<u>\$ 150,000.00</u>	<u>\$ 150,000.00</u>	<u>\$ 150,000.00</u>	<u>#####</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:** Annexation Asset Purchase

**Project Driver:** Reliability

**Priority Level:** Low

**Purpose & Necessity:**

Heber city has undertaken an annexation plan that will encompass a large tract of land North of the existing HLP system. As such, existing assets will need to be purchased from PacifiCorp when an entity requests annexation. This is a blanket project to ensure annual funding exists for such asset purchases.

**Risk Assessment:**

HLP has no choice other than purchase the assets when an entity requests annexation into the City of Heber.

**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	-	-	-	-	-	-	-
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	150,000.00
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 150,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** Reconductor Provo River 201 (Main Street to Burgi Lane)

**Project Driver:** Reliability

**Priority Level:** High

**Purpose & Necessity:**

The current circuit engineering study has demonstrated that the stretch of Provo River 201 from Main Street to Burgi Lane will be undersized after 2021. In order to remedy this issue, the circuit will need to be reconducted through this section of the line.

**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>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>Overall</u>
Internal Labor	37,000.00	-	75,000.00	-	-	-	112,000.00
Materials	707,383.09	-	625,000.00	-	-	-	1,332,383.09
Subcontractor	26,616.91	-	-	-	-	-	26,616.91
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 771,000.00	\$ -	\$ 700,000.00	\$ -	\$ -	\$ -	\$ 1,471,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# 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>\$ 45,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 45,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Provo River Substation Get Aways Reconnect to New Site

**Project Driver:** Upgrade

**Priority Level:** Medium

**Purpose & Necessity:**

By building a new distribution substation within the Southfield's Substation, HLP is able to decommission the Provo River substation, once the loads have been transferred over. This project will extend the existing get aways from the current Provo River feeders to the new get aways.

**Risk Assessment:**

An old substation that is a bit of a hazard to HLP will need to remain in-service.

**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	46,500.00	-	-	-	-	-	46,500.00
Materials	703,500.00	-	-	-	-	-	703,500.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 750,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



# Heber Light & Power

## Project Analysis Form

**Project Name:** Install Voltage Regulators at Timber Lakes Gate

**Project Driver:** Reliability

**Priority Level:** Medium

**Purpose & Necessity:**

The continual growth in the Timber Lakes Subdivision along with the relative distance from the Jailhouse substation has the voltage within the subdivision subject to irregular fluctuations. These irregularities create a power quality issue for HLP customers.

**Risk Assessment:**

By refusing to correct the installation issues in the Timber Lakes Subdivision, customer satisfaction will decrease. In addition, customer equipment stands the chance of being damaged thus driving up insurance claims and premiums.

**Cash Flow Schedule:**

	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>Overall</u>
Internal Labor	15,000.00	-	-	-	-	-	15,000.00
Materials	85,000.00	-	-	-	-	-	85,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Impact Fee %	100%	0%	0%	0%	0%	0%	0%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** Eastern Bypass - Cemetery

**Project Driver:** Growth

**Priority Level:** High

**Purpose & Necessity:**

This tie will provide the company with additional looped feeders for future redundant system needs.

**Risk Assessment:**

Without completing this tie, an outage could drive an extended outage in particular sections of the system as redundant loops would not be in place to allow for switching efforts.

**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	62,000.00	100,000.00	-	-	-	-	162,000.00
Materials	188,000.00	400,000.00	-	-	-	-	588,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 250,000.00	\$ 500,000.00	\$ -	\$ -	\$ -	\$ -	\$ 750,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** Additional Circuits out of College to South and East

**Project Driver:** Growth

**Priority Level:** Medium

**Purpose & Necessity:**

The development of the North end of Heber City has necessitated additional circuits out of the College Substation.

**Risk Assessment:**

Insufficient capacity to serve the numerous additional customers seeking service on the North side of Heber City. This project is 100% customer driven and thus it has slipped from year to year as the development is still pending.

**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	28,000.00	35,000.00	-	-	71,000.00
Materials	-	131,000.00	322,000.00	965,000.00	-	-	1,418,000.00
Subcontractor	-	65,000.00	-	-	-	-	65,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 204,000.00	\$ 350,000.00	\$ 1,000,000.00	\$ -	\$ -	\$ 1,554,000.00
Impact Fee %	100%	100%	100%	0%	0%	0%	100%
Net Amount:	\$ -	\$ -	\$ -	\$1,000,000.00	\$ -	\$ -	\$1,000,000.00

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	-	25,000.00	-	-	-	25,000.00
Materials	-	-	175,000.00	-	-	-	175,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 200,000.00	\$ -	\$ -	\$ -	\$ 200,000.00
Impact Fee %	0%						0%
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 200,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 200,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Reconductor Heber City Main Street - 600 S - 1000 S

**Project Driver:** Upgrade

**Priority Level:** Low

**Purpose & Necessity:**

Growth on the south end of Heber City 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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%	0%	100%	0%	0%	100%
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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:** Airport Road Rebuild and Loop

**Project Driver:** Growth

**Priority Level:** High

**Purpose & Necessity:**

Growth in and around the Airport Road area has reached a point in which the system is becoming undersized and therefore needs to be reconductored with a larger conductor. In addition, the growth needs a redundant feed and as such a looped line will be constructed to remove the inherent risks associated with a radial feed.

**Risk Assessment:**

Outages due to overloading the conductor will soon be happening and critical customers will be negatively affected by these frequent and prolonged outages.

**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	-	65,000.00	-	-	-	-	65,000.00
Materials	-	450,000.00	-	-	-	-	450,000.00
Subcontractor	-	35,000.00	-	-	-	-	35,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 550,000.00	\$ -	\$ -	\$ -	\$ -	\$ 550,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Additional Circuits out of Jailhouse to the East

**Project Driver:** Growth

**Priority Level:** Medium

**Purpose & Necessity:**

The development of the South end of Heber City, and the East side of Wasatch County have necessitated additional circuits out of the Jailhouse Substation.

**Risk Assessment:**

Insufficient capacity to serve the numerous additional customers seeking service on the South side of Heber City and the East side of Wasatch County. This project is 100% customer driven and thus it has slipped from year to year as the development is still pending.

**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	-	-	-	56,000.00	-	-	56,000.00
Materials	-	-	-	244,000.00	-	-	244,000.00
Subcontractor	-	-	.	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00
Impact Fee %	100%	100%	100%	0%	0%	0%	100%
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 300,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 300,000.00</u>



# Heber Light & Power

## Project Analysis Form

**Project Name:** Reconductor Jailhouse 502/503 (Old Mill Drive from 800 S to 1200 S)

**Project Driver:** Reliability

**Priority Level:** Low

### Purpose & Necessity:

The current circuit engineering study has demonstrated that the stretch of Jailhouse 502/503 along Old Mill Drive from 800 South to 1200 South will be undersized after 2024. In order to remedy this issue, the circuit will need to be reconducted through this section of the line.

### 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	-	-	45,000.00	-	-	45,000.00
Materials	-	-	-	449,000.00	-	-	449,000.00
Subcontractor	-	-	-	35,000.00	-	-	35,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ 529,000.00	\$ -	\$ -	\$ 529,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** New Circuit to Highway 32

**Project Driver:** Upgrade

**Priority Level:** High

**Purpose & Necessity:**

With the annexation of the North Village area, an additional circuit will need to be taken North out of the College substation until the new North Substation can be constructed and tapped off of the 138kV system.

**Risk Assessment:**

Without this line, the developments North cannot be energized until a new point of delivery substation is permitted and built.

**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	-	-	-	-	70,000.00	-	70,000.00
Materials	-	-	-	-	630,000.00	-	630,000.00
Subcontractor	-	-	-	-	20,000.00	-	20,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ -	\$ 720,000.00	\$ -	\$ 720,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** Jailhouse Tap Transmission Line and East Extension

**Project Driver:** Upgrade

**Priority Level:** High

**Purpose & Necessity:**

An additional substation is now needed on the South/East sector of the HLP service territory. This project will be the interconnection project that will tie the new substation in with the rest of the system.

**Risk Assessment:**

Without this transmission line, the substation cannot be energized, thus stranding the costs of the substation.

**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	-	-	-	15,000.00	32,000.00	-	47,000.00
Materials	-	-	-	12,500.00	12,500.00	-	25,000.00
Subcontractor	-	-	-	972,500.00	2,855,500.00	-	3,828,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ 1,000,000.00	\$ 2,900,000.00	\$ -	\$ 3,900,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** Reconductor Midway 101/102 from 4/0 to 477

**Project Driver:** Reliability

**Priority Level:** Low

**Purpose & Necessity:**

The current circuit engineering study has demonstrated that the Midway 101/102 circuits will be undersized after 2024. In order to remedy this issue, the circuit will need to be reconducted.

**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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	-	-	-	85,000.00	-	85,000.00
Materials	-	-	-	-	808,000.00	-	808,000.00
Subcontractor	-	-	-	-	45,000.00	-	45,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ -	\$ 938,000.00	\$ -	\$ 938,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 72,000.00</u>	<u>\$ 72,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Reconductor Cloyes 402 (600 West to Tate Lane)

**Project Driver:** Reliability

**Priority Level:** Low

**Purpose & Necessity:**

The current circuit engineering study has demonstrated that the stretch of Cloyes 402 from 600 West to Tate Lane will be undersized after 2024. In order to remedy this issue, the circuit will need to be reconducted through this section of the line.

**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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	-	-	-	-	65,000.00	65,000.00
Materials	-	-	-	-	-	1,196,000.00	1,196,000.00
Subcontractor	-	-	-	-	-	35,000.00	35,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,296,000.00	\$ 1,296,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



## Substation

- 1) Southfields Substation
- 2) Replacement Recloser for Joslyn Reclosers
- 3) Jailhouse 900kVAR Cap Bank
- 4) Cloyes LTC Rebuild
- 5) Heber Relay Upgrade
- 6) Jailhouse Fence Replacement
- 7) Midway Fence Replacement
- 8) Cloyes Relay Upgrade
- 9) College Relay Upgrade
- 10) Midway Substation - High Side Rebuild
- 11) Northeast POD Substation
- 12) Southern 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:**

	<u>Prior</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>Overall</u>
<b>Internal Labor</b>	161,246.15	326,043.50	150,000.00			-	637,289.65
<b>Materials</b>	3,055,003.61	3,593,864.50	225,000.00			-	6,873,868.11
<b>Subcontractor</b>	1,879,797.75	8,707,092.00	1,041,000.00			-	11,627,889.75
<b>Miscellaneous</b>	2,100,000.00	-	-	-	-	-	2,100,000.00
<b>(CIAC) Reim</b>	-	-	-	-	-	-	-
<b>Subtotal:</b>	<b>\$ 7,196,047.51</b>	<b>\$ 12,627,000.00</b>	<b>\$ 1,416,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,239,047.51</b>
<b>Impact Fee %</b>	70%	70%	70%	70%	70%	70%	70%
<b>Net Amount:</b>	<b>\$ 2,158,814.25</b>	<b>\$ 3,788,100.00</b>	<b>\$ 424,800.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,371,714.25</b>



# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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>\$ 25,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 25,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Jailhouse 900kVAR Cap Bank

**Project Driver:** Reliability

**Priority Level:** Medium

**Purpose & Necessity:**

The jailhouse substation currently serves circuits that are having voltage concerns. Installing a cap bank at this substation will help to alleviate these irregular voltage fluctuations.

**Risk Assessment:**

The voltage fluctuations might lead to circuit trips and damaged customer equipment leading to increased liability claims.

**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	15,000.00	-	-	-	-	-	15,000.00
Materials	50,000.00	-	-	-	-	-	50,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 65,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000.00
Impact Fee %							0%
Net Amount:	<u><u>\$65,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 65,000.00</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>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</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:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 40,000.00</u>	<u>\$ 40,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u><u>\$30,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$35,000.00</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 65,000.00</u></u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ -</u>	<u>\$129,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 129,000.00</u>

# 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ -</u>	<u>\$50,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 50,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** Cloyes 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 Cloyes Substation are an older version no longer supported after 2024.

**Risk Assessment:**

Without the upgrade of these relays, the Cloyes 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	5,000.00	-	-	-	-	5,000.00
Materials	-	31,000.00	-	-	-	-	31,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ 36,000.00	\$ -	\$ -	\$ -	\$ -	\$ 36,000.00
Impact Fee %							0%
Net Amount:	<u>\$ -</u>	<u>\$36,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 36,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** College 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 College Substation are an older version no longer supported after 2024.

**Risk Assessment:**

Without the upgrade of these relays, the College 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-	-	5,000.00	-	-	-	5,000.00
Materials	-	-	43,000.00	-	-	-	43,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$ 48,000.00	\$ -	\$ -	\$ -	\$ 48,000.00
Impact Fee %							0%
Net Amount:	<u>\$ -</u>	<u>\$ -</u>	<u>\$48,000.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 48,000.00</u>



# 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 2027 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 265,600.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 265,600.00</u>

# 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>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>Overall</u>
Internal Labor	-	-	12,000.00	-	150,000.00	150,000.00	312,000.00
Materials	-	-	-	-	2,500,000.00	5,000,000.00	7,500,000.00
Subcontractor	-	-	-	-	2,350,000.00	4,850,000.00	7,200,000.00
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ -	\$ -	\$12,000.00	\$ -	\$5,000,000.00	\$10,000,000.00	\$ 15,012,000.00
Impact Fee %	100%	100%	100%	100%	100%	100%	100%
Net Amount:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

# Heber Light & Power

## Project Analysis Form

**Project Name:** Southern Substation

**Project Driver:** Growth

**Priority Level:** Medium

**Purpose & Necessity:**

Due to the regular growth and the planned development on the East side of the valley, additional capacity will be required by 2024. This project will include the siting, permitting, design, and construction of a new system load substation.

2022: Land Purchase

2026-2028: Substation Build

**Risk Assessment:**

Lack of substation capacity in the Lake Creek area will put the system at risk of overloaded circuits and existing equipment ultimately leading to rolling brown outs across the valley.

**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	-	250,000.00	150,000.00	25,000.00	50,000.00	50,000.00	525,000.00
Materials	-	-	100,000.00	300,000.00	1,050,000.00	500,000.00	1,950,000.00
Subcontractor	-	-	250,000.00	675,000.00	2,400,000.00	1,678,000.00	5,003,000.00
Miscellaneous	2,400,000.00	-	-	-	-	-	2,400,000.00
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 2,400,000.00	#####	#####	\$ 1,000,000.00	#####	#####	\$ 9,878,000.00
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

# Heber Light & Power

## Project Analysis Form

**Project Name:** 2024 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 2024 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	11,000.00	11,000.00	10,000.00	10,000.00	10,000.00	2,000.00	54,000.00
Materials	109,000.00	109,000.00	75,000.00	75,000.00	75,000.00	58,000.00	501,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 120,000.00	\$ 120,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 60,000.00	\$ 555,000.00
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>\$ 85,000.00</u>	<u>\$85,000.00</u>	<u>\$60,000.00</u>	<u>\$ 555,000.00</u>

# Heber Light & Power

## Project Analysis Form

**Project Name:** 2024 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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</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:** 2024 Smart Grid Investment

**Project Driver:** Growth

**Priority Level:** Medium

**Purpose & Necessity:**

Electrical utilities are connected to a grid of assets established to transfer and supply energy where needed. Technological advances continue to make additional control features available in an automated format. These automated features are otherwise known as Smart Grid. For the foreseeable future, HLP anticipates needing funds to implement these annual Smart Grid adjustments in order to appropriately serve our customers' needs.

**Risk Assessment:**

The grid technology is advancing so quickly that without concentrated effort on the incorporation of these changes, HLP will be operating in a risk scenario or will ultimately require a significant grid upgrade investment later.

**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	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:** AMI North Tower

**Project Driver:** Growth

**Priority Level:** High

**Purpose & Necessity:**

The recent annexation plan approval by Heber City Corporation has also expanded the potential customer territory for Heber Light & Power. As developers begin to establish buildable lots within this annexed area, HLP will begin to deploy meters for the collection and relay of usage data. In order to have these meters communicate the data, a new AMI tower will need to be erected with the appropriate equipment. In conducting the meter study, Sensus has communicated that two additional towers will be required on the system in 2025.

**Risk Assessment:**

Without installing this critical antenna, HLP will not be able to read the meter data within the newly annexed service territory.

**Cash Flow Schedule:**

	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
<b>Internal Labor</b>	10,000.00	10,000.00	10,000.00	-	-	-	30,000.00
<b>Materials</b>	60,000.00	60,000.00	60,000.00	-	-	-	180,000.00
<b>Subcontractor</b>	-	-	-	-	-	-	-
<b>Miscellaneous</b>	-	-	-	-	-	-	-
<b>(CIAC) Reim</b>	-	-	-	-	-	-	-
<b>Subtotal:</b>	<b>\$ 70,000.00</b>	<b>\$70,000.00</b>	<b>\$70,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,000.00</b>
<b>Impact Fee %</b>	100%	100%	100%	100%	100%	100%	100%
<b>Net Amount:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>





## Tools / Equipment

- 1) 2024 Annual Program

# Heber Light & Power

## Project Analysis Form

**Project Name:** 2024 Capital Improvements - Tools

**Project Driver:** Replacement

**Priority Level:** Medium

**Purpose & Necessity:**

The following collective list of tools are planned to be purchased over 2024:

*-Substation*

- CT Tester ..... \$40,000

*- Distribution*

- Fiber and Sticks ..... \$20,000

- 3-SpoolWire Trailer ..... \$123,000

**Risk Assessment:**

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

**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	-		-	-	-	-	-
Materials	183,000.00	225,000.00	250,000.00	60,000.00	25,000.00	25,000.00	768,000.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 183,000.00	\$ 225,000.00	\$ 250,000.00	\$ 60,000.00	\$ 25,000.00	\$ 25,000.00	\$ 768,000.00
Impact Fee %	0%	0%	0%	0%	0%	0%	0%
Net Amount:	<u>\$ 183,000.00</u>	<u>\$ 225,000.00</u>	<u>\$250,000.00</u>	<u>\$60,000.00</u>	<u>\$25,000.00</u>	<u>\$25,000.00</u>	<u>\$ 768,000.00</u>



# Vehicles

- 1) 2024 Annual Program

# Heber Light & Power

## Project Analysis Form

**Project Name:** 2024 Capital Improvements - Vehicles

**Project Driver:** Replacement

**Priority Level:** Medium

**Purpose & Necessity:**

The following vehicles are planned to be purchased in 2024:

- Two (2) Digger Derrick Line Truck (\$640,000)
- One (1) 5500 Series Bucket Trucks (\$200,000)
- Two(2) 1500 Light-Duty Fleet Trucks (\$70,000)
- One (1) Car/Van (\$35,000)
- One (1) Hot Stick Trailer (\$40,000)

**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>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Overall</u>
Internal Labor	-		-	-	-	-	-
Materials	-	-	-	-	-	-	-
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	985,000.00	655,000.00	-	170,000.00	1,155,000.00	225,000.00	3,190,000.00
(CIAC) Reim	-	-	-	-	-	-	-
Subtotal:	\$ 985,000.00	\$ 655,000.00	\$ -	\$ 170,000.00	\$ 1,155,000.00	\$ 225,000.00	\$ 3,190,000.00
Impact Fee %	0%	0%	0%	0%	0%		0%
Net Amount:	<u>\$ 985,000.00</u>	<u>\$ 655,000.00</u>	<u>\$ -</u>	<u>\$ 170,000.00</u>	<u>\$ 1,155,000.00</u>	<u>\$ 225,000.00</u>	<u>\$ 3,190,000.00</u>



# Metering

- 1) 2024 Metering Installs

# Heber Light & Power

## Project Analysis Form

**Project Name:** 2024 Capital Improvements - Metering

**Project Driver:** Growth

**Priority Level:** Medium

### Purpose & Necessity:

The following collective list of minor capital assets are various metering components that will be purchased over 2024 for installation:

Generation 4 CL 200 Meters ... \$90,600	Current Transformers Bar Type 100:5..... \$2,300
CL320 Meters ..... \$4,600	Current Transformers Bar Type 200:5..... \$2,500
3S 120 Volt Meters ..... \$300	Current Transformers Bar Type 300:5 ..... \$800
3S 240 Volt Meters ..... \$300	Current Transformers Window Type 200:5 ... \$100
16S Meters ..... \$5,800	Current Transformers Window Type 300:5 ... \$500
9S Meters ..... \$3,900	Current Transformers Window Type 400:5 ... \$500
Test Switches Single Phase ..... \$200	Current Transformers Window Type 600:5 ... \$400
Test Switches Three Phase ..... \$1,600	

### Risk Assessment:

New meters are typically required to meet the new connections demand. The only risk that is involved in the purchase of these metering components is the cash flow risk as these items are purchased and stored in advance of the collection of the impact fee from the customer.

### 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	-	-	-	-	-	-	-
Materials	114,400.00	-	-	-	-	-	114,400.00
Subcontractor	-	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-	-
(CIAC) Reim	(96,096.00)	-	-	-	-	-	(96,096.00)
Subtotal:	\$ 18,304.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,304.00
Impact Fee %	0%						
Net Amount:	<u>\$ 18,304.00</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 18,304.00</u>