

**MINUTES OF THE  
KERRVILLE PUBLIC UTILITY BOARD  
REGULAR MONTHLY MEETING  
WEDNESDAY, FEBRUARY 24, 2021, AT 8:30 A.M.  
KPUB CONFERENCE ROOM  
KERRVILLE PUBLIC UTILITY BOARD OFFICES  
2250 MEMORIAL BLVD.  
KERRVILLE, TEXAS**

**TRUSTEES PRESENT:**

Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

**STAFF PRESENT:**

Mike Wittler, General Manager and CEO  
Jill Sadberry, Chief Financial Officer  
Robby McCutcheon, IT Manager (*Via teleconference*)  
Gerald Bryla, Controller (*Via teleconference*)  
Ricardo Berrios, Interim Manager of Engineering  
Allison Bueché, Interim Director of C.C.R  
Lidia S. Goldthorn, Assistant Secretary to the Board

**TRUSTEES ABSENT:**

**OTHERS PRESENT:**

Stephen Schulte, Legal Counsel  
John E. Sample  
Kriston Capps (*Via teleconference*)

**1. CALL TO ORDER:**

Mr. Bill Thomas, Chairman, called the Regular Monthly Meeting to order at 8.30 a.m.

**2. PLEDGE OF ALLEGIANCE:**

**3. APPROVAL OF MINUTES:**

The Trustees reviewed the minutes of the January 20, 2021, Regular Monthly Board Meeting. Larry Howard, Treasurer, motioned to approve the minutes. Philip Stacy, Vice Chairman, seconded the motion. Vote was by a show of hands. Motion carried 5 – 0.

**4. CITIZEN/CONSUMER OPEN FORUM:**

There were no citizens/consumers to speak.

**5. ANNOUNCEMENTS OF COMMUNITY INTEREST:**

Mr. Wittler highlighted mutual aid efforts with Central Texas Electric Cooperative. Nathaniel Crabtree, Apprentice Lineman, was the staff spotlight for the month. Nathaniel has been with KPUB for two years. KPUB community involvement coming up will include a weatherization/AACOG event with the Doyle Community on February 27<sup>th</sup>, a Community Blood Drive on March 25<sup>th</sup>, and volunteering at the Light on the Hill/Mega Mobile Food Pantry Event on March 29<sup>th</sup>. Mr. Wittler advised the next regular board meeting is scheduled for March 17, 2021 at 8:30 a.m., with a possible Special Called Board Meeting prior to that.

**6. CONSIDERATION AN ACTION ON RESOLUTION NO. 21-02 – JILL SADBERRY, CFO:**

Ms. Sadberry presented this month's wire transfers for operating expenses to the Board. Mr. Stacy motioned for approval of Resolution No. 21-02. Mr. Howard seconded the motion. Vote was by a show of hands. Motion carried 5 – 0.

**7. FINANCIAL REPORT – JILL SADBERRY, CFO:**

Ms. Sadberry presented Financial Statements (unaudited) for the Fiscal Year 2021 through January 31, 2021. Ms. Sadberry reviewed the Statements and Balance Sheets for the month. She stated at January 31, 2021, operating expenses, excluding power cost, were below budget by \$398,896.76 or by 9.79%. The balance in the over-collected power cost was \$1,635,981.09. Ms. Sadberry noted the balance in the Rate Stabilization Fund was \$1,897,411.15. The Debt Service coverage was 10.19 for the month and 11.5 for the Fiscal Year.

*\*Chairman Thomas elected to go back to item number 4 on the Agenda at counsel's suggestion in response to a question from a citizen. The Board agreed and Chairman Thomas proceeded to item number 4.*

**4. CITIZEN/CONSUMER OPEN FORUM:**

Mr. Kriston Capps, reporter for Bloomberg News, of Washington, D.C., asked if the Board purchased energy through the ERCOT market place during the storm, and if so, what was the cost for that. Mr. Wittler briefly advised that several contracts are in place with KPUB. Staff is still reviewing estimates from the event, which is a significant impact for KPUB but at the same time expect that our customers will still see competitive rates. For KPUB those rates will be less than .10 a kWh. KPUB Counsel also suggested Mr. Capps call Mr. Wittler at a later time by phone due to the discussion not falling inside the guidelines of the community forum.

*\*At this time, Chairman Thomas elected to proceed to item number 8 on the Agenda. The Board agreed and Chairman Thomas proceeded to item number 8.*

**8. CONSIDERATION AND ACTION ON RESOLUTION NO. 21-03 – JILL SADBERRY, CFO:**

Ms. Sadberry presented to the Board of Trustees for their consideration and approval Resolution No. 21-03, a resolution, in compliance with the Public Funds Investment Act, requiring that the governing body adopt a written instrument stating the Board had considered the Policy and Investment Strategies on an annual basis as required by the provisions of Chapter 2256. The policy was reviewed by KPUB's bond counsel, Ms. Stephanie Leibe, Partner with Norton Rose Fulbright, who recommended minor changes to

the current policy. Staff recommended that the Board of Trustees approve Resolution No. 21-03 in acceptance and approval of Board Policy No. 44 - Investment Policy. Mr. Howard moved for approval of Resolution No. 21-03. Mr. Stacy seconded the motion. Vote was by a show of hands. Motion carried 5 – 0.

*\*At this time, Mr. Wittler suggested to proceed to item number 11 on the Agenda. The Board agreed and Chairman Thomas proceeded to item number 11.*

**11. REPORT ON USAGE AT KPUB EV CHARGING STATIONS – RICARDO BERRIOS, INTERIM MANAGER OF ENGINEERING:**

As requested, Mr. Berrios presented the Board a summary report of each of KPUB's electric vehicle (EV) charging stations usage by months and years. He advised that KPUB made a total net revenue of \$1,490.96 from the EV's charging fees that started on October 1, 2019. Mr. Berrios added that from the Electric Vehicle Public Charging Flat Rate Program, KPUB now has four EV users that joined on the flat rate of \$30.00 for six (6) months. Board members requested Mr. Berrios present another report in either March or April, with more detailed information on number of uses, number of customers, costs, revenues, subscription versus on the spot usage, and breakdown by zip code. Board members thanked Mr. Berrios for the report.

**12. STATUS UPDATE ON CHANGE FOR CHARITY PROGRAM – ALLISON BUECHÉ, INTERIM DIRECTOR OF CUSTOMER & COMMUNITY RELATIONS:**

Ms. Bueché gave the Board a monthly update on the KPUB Change for Charity program fund. She advised it continues to be well received with the majority of customers, and the partnership with St. Vincent de Paul also continues to run smoothly. She advised there have been 674 residential customers opt-out of the program as of February 8th. For the month of January, KPUB has granted \$16,910.01 in program funds to 135 households. Ms. Bueché added that since the program's inception in July, KPUB has granted a total of \$99,313.11 in bill payment assistance through the Change for Charity Fund to 819 families in the community. Board Members thanked Ms. Bueché for the update, and also took the opportunity to thank her for the excellent job she did during the winter storm. Board Members asked about customer service response. Ms. Bueché advised the first two days were the roughest, but customers were understanding once they were informed that the rotating ERCOT outages were taking longer than the normal timeframe due to the unprecedented severity of the storm.

*\*At this time, Mr. Wittler suggested to proceed to item number 15 on the Agenda to continue with discussion on the winter storm. The Board agreed and Chairman Thomas proceeded to item number 15.*

**15. UPDATE AND POSSIBLE ACTION ON OPERATIONAL IMPACTS FROM WINTER STORM – MIKE WITTLER, CEO:**

Mr. Wittler provided an update on the impact of the winter storm. He presented a very brief timeline that mainly captured updates via email, and was not a complete detailed timeline. Operationally, the number of challenges KPUB faced during the first three days of the week were more than KPUB normally sees in a year. He advised that recap meetings with staff for the event will start this afternoon to document lessons learned, opportunities for improvement, and capture a better timeline of events. One of the biggest things to look into is the possibility of KPUB opening a 24/7 dispatch office so that KPUB can control rolling outages in the future.

Mr. Wittler went over the load shedding process ERCOT utilizes during peak and/or extreme weather events. He advised that LCRA manages KPUB's and other utilities' share of load that has to be shed. After the storm of 2011, staff looked at the cost of setting up a 24/7 dispatch center, but staffing and

yearly costs for events that don't come around very often did not appear to be worthwhile. Mr. Wittler advised if KPUB was able to control some of the load shedding, things would run a lot smoother during these types of events. Mr. Wittler added that while employees are cross trained for efficiency, this event had all available personnel stretched thin.

Ms. Bueché provided details regarding service calls and assisting customers during the storm. She advised staff in rural areas were unable to come in due to the weather conditions, and those set up remotely had no power to log into the system to assist. Available staff manually tracked customers and initiated follow up calls verifying if their power was back on or if further assistance was needed for them. Customers were grateful for the personal confirmations. Mr. Wittler advised this will be the storm to design to for decades to come. Staff will need to do an assessment and come back to the Board with recommendations.

*\*At this time, Mr. Wittler suggested to proceed to item number 9 on the Agenda to allow for a specific time to teleconference with special counsel for Executive Session. The Board agreed and Chairman Thomas proceeded to item number 9.*

9. **MOTION AND VOTE TO RECESS THE PUBLIC MEETING AND RECONVENE IN AN EXECUTIVE CLOSED SESSION:**

I. **EXECUTIVE CLOSED SESSION – PERSONNEL MATTERS:**

In accordance with Texas Statutes Subchapter D, chapter 551, Government Code Section §551.074, the Kerrville Public Utility Board will recess to deliberate the following “Personnel Matters”:

- A. The nomination of three (3) candidates to the City Council of the City of Kerrville for appointment to Board of Trustees Position Number Three.

(1) **Exhibit A** – Applicants for Board Position No. 3 – Mike Wittler, CEO

II. **EXECUTIVE CLOSED SESSION – CONSULTATION WITH ATTORNEY:**

In accordance with Texas Statutes Subchapter D, Chapter 551, Government Code Section §551.071, the Kerrville Public Utility Board will recess for the purpose of “Consultation With Attorney” regarding the following matter:

- A. Consultation with Attorney Regarding Pending or Contemplated Litigation – Mike Wittler, CEO

III. **EXECUTIVE CLOSED SESSION – COMPETITIVE MATTERS:**

In accordance with Texas Statutes Subchapter D, chapter 551, Government Code Section §551.086, the Kerrville Public Utility Board will recess to discuss and take any necessary action on the following “Competitive Matters”:

- A. Bidding and pricing information for purchased power, general and fuel, and Electric Reliability Council of Texas bids, prices, offers, and related services and strategies; Risk management information, contracts, and strategies, including fuel hedging and storage;

- (1) Discussion on Hedging Activities and Risk Management Policy – Mike Wittler, CEO

Chairman Thomas asked the Board of Trustees if he had a motion that the Board convene in Executive Closed Session to discuss “Personnel Matters” in accordance with Texas Statutes Subchapter D, Chapter 551, Government Code Section §551.074; “Consultation With Attorney” in accordance with Texas Statutes Subchapter D, Chapter 551, Government Code Section §551.071. Mr. Howard so moved. Mr. Stacy seconded the motion. Vote was by show of hands. Motion carried 5 – 0. A motion was also requested for the Board to convene in Executive Closed Session to discuss “Competitive Matters” in accordance with Texas Statutes Subchapter D, Chapter 551, Government Code Section §551.086. Mr. Stacy so moved. Mr. Howard seconded the motion. Vote was by a show of hands. Motion carried 5 – 0.

The Board entered Executive Closed Session at 9:32 a.m. Chairman Thomas adjourned the Executive Closed Session and reconvened into Open Session at 11:37 a.m.

*\*At 11:12 Mayor Bill Blackburn left the meeting.*

**10. CONSIDERATION AND ACTION AS A RESULT OF EXECUTIVE CLOSED SESSION:**

**III. Resolution No. 21-04.**

Mr. Howard made a motion to approve Resolution No. 21-04. Mr. Cowden seconded the motion. Vote was by a show of hands. Motion carried 5 – 0.

**I. Board Position No. 3 Nominations.**

Mr. Howard made a motion to nominate in order of preference Bill Thomas, T. Beck Gipson and Toby Appleton, to City Council to consider for the upcoming Board position vacancy. Mr. Cowden seconded the motion. Vote was by a show of hands. Motion carried 4 - 0.

*\*At this time, Mr. Wittler suggested to proceed to item number 13 on the Agenda. The Board agreed and Chairman Thomas proceeded to item number 13.*

**13. UPDATE AND DISCUSSION ON COVID-19 – TAMMYE RILEY, H.R. MANAGER:**

Mr. Wittler gave an update for Ms. Riley, advising that KPUB is still operating under the same guidelines as before, with staff hoping to see more vaccinations come in for Kerr County.

**14. STATUS UPDATE ON DOWNTOWN BEAUTIFICATION AND LIGHTING PROJECTS – MIKE WITTLER, CEO:**

Mr. Wittler started his update with the downtown beautification project. He advised this was basically undergrounding of facilities along Clay Street and Water Street by the parking garage and Schreiner Mansion. In light of current events, Mr. Wittler recommended putting the project on hold.

Mr. Wittler advised that regarding the Kerrville Urban Trail System Lighting, there has been a request from the City to look at putting string lighting over Clay Street by the downtown parking garage as well as a block up the street between NAPA Auto and Pint N Plow. He estimated a typical installation cost of \$24,540.78 for each location and a monthly rate of 144.98 for each location. The rates were developed using formulas previously provided by Utility Financial Solutions for KPUB installed street light poles.

Their rates recover depreciation over 20 – 30 years and a 5% rate of return based on average net book value of the assets installed. To that was added costs for maintenance of the string lighting fixtures. Each location will have eight light strings crossing the road and the rate is equivalent to the cost of eight streetlights. Mr. Wittler advised he will confirm with City staff that they have requested KPUB proceed with the installations. He added that he will have to come back to the Board for approval of the rate. He also advised that staff will look at the Ingram lighting project to update the Board and make sure every detail is the same. There were no concerns at this time with moving forward on the project.

**16. ADJOURNMENT**

Chairman Thomas adjourned the Regular Board Meeting at 11:46 a.m.

**Date Approved:** \_\_\_\_\_

\_\_\_\_\_  
Bill Thomas, Chairman

**ATTEST**

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Lidia S. Goldthorn, Assistant Secretary to the Board

## MEMORANDUM

TO: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

FROM: Jill Sadberry

DATE: March 10, 2021

SUBJECT: Agenda Item No. 8 - Resolution No. 21-06

Presented for your review, wire transfers for operating expenses.

I. WIRE TRANSFERS - Operating Expense

ERCOT – CRR Auction Invoice

Paid March 09, 2021 Transfer from TexPool Investment Fund  
to ERCOT. \$ 441.27

LCRA - Power Cost Billing 01/01/2021 to 01/31/2021.

Paid February 26, 2021 Transfer from TexPool Investment Fund  
to LCRA. \$ 537,892.75

CPS ENERGY - Power Cost Billing 01/01/2021 to 01/31/2021.

Paid February 26, 2021 Transfer from TexPool Investment Fund  
to CPS ENERGY. \$ 1,212,473.45

NEXTERA - Power Cost Billing 01/01/2021 to 01/31/2021.

Paid February 22, 2021 Transfer from TexPool Investment Fund  
to NEXTERA. \$ 485,088.00

CITY OF GARLAND – Power Cost Billing 01/01/2021 to 01/31/2021.

Paid March 01, 2021 Transfer from TexPool Investment Fund  
to CITY OF GARLAND. \$ 272,304.31

DG TEXAS SOLAR, LLC - Power Cost Billing 01/01/2021 to 01/31/2021.

Paid February 22, 2021 Transfer from TexPool Investment Fund  
to DG TEXAS SOLAR, LLC. \$ 35,732.75

II. WIRE TRANSFERS – Investments

A. Transfer from Happy Bank Revenue Fund to TexPool Investment Fund:

<u>Date</u>	<u>Principal</u>
February 12, 2021	\$ 400,000.00
February 16, 2021	300,000.00
February 22, 2021	600,000.00
February 25, 2021	200,000.00
February 26, 2021	200,000.00
March 01, 2021	500,000.00
March 05, 2021	300,000.00
March 08, 2021	400,000.00

III. WIRE TRANSFERS - Payroll

Automated Clearing House for Pay Periods Ending:

February 19, 2021	\$ 118,624.27
March 01, 2021 ( <i>Special Payment</i> )	\$ 50,596.13
March 05, 2021	159,536.42

IV. WIRE TRANSFERS - Payroll - Federal Reserve Bank

Federal Withholding and FICA for Period Ending:

February 19, 2021	\$ 45,221.23
March 01, 2021 ( <i>Special Payment</i> )	\$ 27,207.63
March 05, 2021	48,126.32

V. WIRE TRANSFER - Comptroller of Public Accounts

2021 - Sales and Use Tax for February – Paid 03/08/2021	\$ 75,618.26
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VI. WIRE TRANSFER - TMRS and TML

Texas Municipal Retirement System (TMRS)

Retirement Plan Contribution for the month of February – Paid 03/08/2021	\$ 69,919.13
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Texas Municipal League (TML)

Monthly Premium - Medical, Dental, Vision and Life for the month of February – Paid 03/01/2021	\$ 57,003.06
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If you have any questions on the items presented for payment, I will be happy to answer them at your convenience.

Sincerely,

Jill Sadberry  
Chief Financial Officer



**RESOLUTION NO. 21-06**

**A RESOLUTION OF THE KERRVILLE PUBLIC UTILITY BOARD CONFIRMING AND AUTHORIZING THE PAYMENTS OF INVOICES AS APPROVED AND PRESENTED BY THE CHIEF FINANCIAL OFFICER AND GENERAL MANAGER / CEO.**

**WHEREAS**, the providers of services or material have submitted invoices for payment;  
and

**WHEREAS**, the Chief Financial Officer or General Manager/CEO has reviewed the invoices and approved payments for services rendered or material received.

**WHEREAS**, the items marked "Paid" have been previously approved by the Board and are included in this Resolution for information; now, therefore,

**BE IT RESOLVED BY THE KERRVILLE PUBLIC UTILITY BOARD THAT:**

**Section 1.** That the Kerrville Public Utility Board review payment of the items set forth on the preceding Schedule.

**Section 2.** That the Kerrville Public Utility Board instructs the General Manager/CEO or his designee to make said payments and ratifies the payment of the items marked "Paid."

**Section 3.** This Resolution shall take effect immediately from and after its passage.

**PASSED, APPROVED AND ADOPTED on this 17<sup>th</sup> day of March, 2021**

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**Bill Thomas, Chairman**

**ATTEST:**

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**Mark Cowden, Secretary**

## MEMORANDUM

To: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

From: Jill Sadberry

Date: March 11, 2021

Re: Agenda Item No. 9 — Financial Report

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Operating income for the month of February is \$1,108,326.45, which is above budget by \$1,019,392.45. Net income for the month is \$1,115,063.11, which is above budget by \$1,007,017.11. Year to date operating income is above budget by \$879,766.45 and net income is above budget by \$828,496.44.

For the year, kWh sales are above budget by 11,898,732 kWhs, or by 6.04%.

At February 28, 2021, operating expenses, excluding power cost, are below budget by \$609,556.21 or by 11.95%.

The balance in the under collected power cost at February 28, 2021 was \$21,379,518.21.

The balance in the Rate Stabilization Fund is \$1,897,463.51.

Debt service coverage for February is 31.71. The coverage factor for the fiscal year is 15.35.

Sincerely,

Jill Sadberry  
Chief Financial Officer

Kerrville Public Utility Board  
Statement of Revenues, Expenses and Changes in Retained Earnings  
February 28, 2021  
(UNAUDITED)



	Comparison to Budget				Comparison to Last Year		
	Current Month	Current Month Budget Amount	Increase (Decrease)	Percentage Increase (Decrease)	Current Month Last Year Amount	Increase (Decrease)	Percentage Increase (Decrease)
OPERATING REVENUES:							
Residential	16,204,735.36	2,192,343.00	14,012,392.36	639.15%	2,040,037.78	14,164,697.58	694.34%
Commercial/Industrial	10,992,775.19	1,264,983.00	9,727,792.19	769.01%	1,335,373.70	9,657,401.49	723.20%
Sales to Public Authorities	21,017.57	23,200.00	(2,182.43)	-9.41%	23,276.49	(2,258.92)	-9.70%
Other	160,529.12	40,250.00	120,279.12	298.83%	84,479.03	76,050.09	90.02%
TOTAL OPERATING REVENUES	27,379,057.24	3,520,776.00	23,858,281.24	1697.58%	3,483,167.00	23,895,890.24	1497.86%
OPERATING EXPENSES:							
Purchased Power	25,455,267.24	2,405,719.00	23,049,548.24	958.11%	2,439,688.97	23,015,578.27	943.38%
Distribution	198,829.71	292,023.00	(93,193.29)	-31.91%	206,049.66	(7,219.95)	-3.50%
Customer Accounting	41,888.40	55,900.00	(14,011.60)	-25.07%	67,224.99	(25,336.59)	-37.69%
Customer Service & Informational	18,499.56	28,100.00	(9,600.44)	-34.17%	27,454.15	(8,954.59)	-32.62%
Administrative Expenses	260,998.61	353,500.00	(92,501.39)	-26.17%	334,531.73	(73,533.12)	-21.98%
Franchise Fees - Ingram	2,897.89	2,600.00	297.89	11.46%	2,738.99	158.90	5.80%
Depreciation	292,188.09	296,000.00	(3,811.91)	-1.29%	288,322.66	3,865.43	1.34%
Other	161.29	(2,000.00)	2,161.29	-108.06%	(1,504.96)	1,666.25	-110.72%
TOTAL OPERATING EXPENSES	26,270,730.79	3,431,842.00	22,838,888.79	665.50%	3,364,506.19	22,906,224.60	680.82%
OPERATING INCOME	1,108,326.45	88,934.00	1,019,392.45	1032.08%	118,660.81	989,665.64	817.04%
NONOPERATING REVENUES (EXPENSES):							
Revenue Fund, Constr, Emerg	4,970.57	7,517.00	(2,546.43)	-33.88%	42,980.57	(38,010.00)	-88.44%
Interest & Sinking Fund	3.96	88.00	(84.04)	-95.50%	210.04	(206.08)	-98.11%
Reserve Fund	-	-	-		-	-	
Interest Inc-City of Kerrville	16,666.67	14,167.00	2,499.67	17.64%	15,000.00	1,666.67	
Interest Expense	(10,460.33)	(10,460.00)	(0.33)	0.00%	(11,215.55)	755.22	-6.73%
Interest On Customer's Deposits	(243.95)	-	(243.95)		-	(243.95)	
AFUDC - Borrowed Funds	-	3,100.00	(3,100.00)	-100.00%	3,522.84	(3,522.84)	-100.00%
Other - net	(4,200.26)	4,700.00	(8,900.26)	-189.37%	372.66	(4,572.92)	-1227.10%
TOTAL NONOPERATING REVENUES (EXPENSES):	6,736.66	19,112.00	(12,375.34)	-64.75%	50,870.56	(44,133.90)	-86.76%
NET INCOME	1,115,063.11	108,046.00	1,007,017.11	932.03%	169,531.37	945,531.74	557.73%
RETAINED EARNINGS AT BEGINNING OF MONTH	70,236,114.92				68,655,071.15		
Plus: Contributions in Aid of Constructior	4,327.10	9,000.00	(4,672.90)	-51.92%	2,262.00	2,065.10	91.30%
Less: General Fund Transfer - Regular	124,049.33	105,900.00	18,149.33	17.14%	104,073.37	19,975.96	19.19%
Less: General Fund Transfer - Special	-				-		
RETAINED EARNINGS AT END OF MONTH	71,231,455.80				68,722,791.15		
Percent of Net Income to Operating Revenue	4.07%				4.87%		

Kerrville Public Utility Board  
Statement of Revenues, Expenses and Changes in Retained Earnings  
February 28, 2021  
(UNAUDITED)

	Year to Date	Comparison to Budget		Percentage Increase (Decrease)	Comparison to Last Year		
		Year to Date Budget Amount	Increase (Decrease)		Year to Date Last Year Amount	Increase (Decrease)	Percentage Increase (Decrease)
OPERATING REVENUES:							
Residential	24,338,109.47	9,897,675.00	14,440,434.47	145.90%	9,721,264.38	14,616,845.09	150.36%
Commercial/Industrial	16,383,392.51	7,359,386.00	9,024,006.51	122.62%	6,943,498.52	9,439,893.99	135.95%
Sales to Public Authorities	104,534.70	116,000.00	(11,465.30)	-9.88%	116,266.86	(11,732.16)	-10.09%
Other	374,292.17	336,150.00	38,142.17	11.35%	112,386.97	261,905.20	233.04%
TOTAL OPERATING REVENUES	41,200,328.85	17,709,211.00	23,491,117.85	269.99%	16,893,416.73	24,306,912.12	509.26%
OPERATING EXPENSES:							
Purchased Power	34,934,606.61	11,713,699.00	23,220,907.61	198.24%	11,106,792.94	23,827,813.67	214.53%
Distribution	1,143,906.46	1,450,197.00	(306,290.54)	-21.12%	1,433,348.22	(289,441.76)	-20.19%
Customer Accounting	251,189.80	277,500.00	(26,310.20)	-9.48%	261,721.04	(10,531.24)	-4.02%
Customer Service & Informational	109,690.46	139,800.00	(30,109.54)	-21.54%	97,659.72	12,030.74	12.32%
Administrative Expenses	1,542,659.79	1,754,600.00	(211,940.21)	-12.08%	1,550,242.32	(7,582.53)	-0.49%
Franchise Fees - Ingram	12,739.53	13,000.00	(260.47)	-2.00%	12,707.67	31.86	0.25%
Depreciation	1,440,544.48	1,475,000.00	(34,455.52)	-2.34%	1,422,282.55	18,261.93	1.28%
Other	(10,189.73)	(10,000.00)	(189.73)	1.90%	(12,747.23)	2,557.50	-20.06%
TOTAL OPERATING EXPENSES	39,425,147.40	16,813,796.00	22,611,351.40	134.48%	15,872,007.23	23,553,140.17	148.39%
OPERATING INCOME	1,775,181.45	895,415.00	879,766.45	135.51%	1,021,409.50	753,771.95	360.87%
NONOPERATING REVENUES (EXPENSES):							
Revenue Fund	33,920.37	37,585.00	(3,664.63)	-9.75%	182,015.41	(148,095.04)	-81.36%
Interest & Sinking Fund	48.03	440.00	(391.97)	-89.08%	1,300.04	(1,252.01)	-96.31%
Reserve Fund	-	-	-		-	-	
Interest Inc-City of Kerrville	83,333.35	70,835.00	12,498.35	17.64%	75,000.00	8,333.35	
Interest Expense	(53,056.87)	(53,056.00)	(0.87)	0.00%	(56,721.28)	3,664.41	-6.46%
AFUDC - Borrowed Funds	-	15,500.00	(15,500.00)	-100.00%	14,223.64	(14,223.64)	-100.00%
Other - net	(20,710.89)	23,500.00	(44,210.89)	-188.13%	1,990.92	(22,701.81)	-1140.27%
TOTAL NONOPERATING REVENUES (EXPENSES):	43,533.99	94,804.00	(51,270.01)	-54.08%	217,808.73	(174,274.74)	-80.01%
NET INCOME	1,818,715.44	990,219.00	828,496.44	83.67%	1,239,218.23	579,497.21	46.76%
RETAINED EARNINGS AT BEGINNING OF YEAR	69,843,094.49				67,899,781.61		
Plus: Capital Contributions	102,030.38	45,000.00	57,030.38	126.73%	117,200.79	(15,170.41)	-12.94%
Less: General Fund Transfer - Regular	529,027.87	531,600.00	(2,572.13)	-0.48%	533,409.48	(4,381.61)	-0.82%
Less: General Fund Transfer - Special	-	45,920.00	(45,920.00)		-	-	
	71,234,812.44				68,722,791.15		
Percent of Net Income to Operating Revenue	4.41%				7.34%		



Kerrville Public Utility Board  
Balance Sheets  
February 28, 2021

	February 28, 2021	October 1, 2020		February 28, 2021	October 1, 2020
Assets	(Unaudited)		Liabilities and Equity	(Unaudited)	
<b>Utility Plant:</b>			<b>Equity:</b>		
Electric Plant in Service	87,035,362.65	84,757,080.78	Retained Earnings - Unreserved	71,231,455.90	69,843,094.49
Less: Accumulated Depreciation	(42,764,635.70)	(41,511,651.27)			
	44,270,726.95	43,245,429.51	<b>Total Equity</b>	<b>71,231,455.90</b>	<b>69,843,094.49</b>
Construction Work in Progress	3,634,892.04	4,386,813.55			
Net Utility Plant	47,905,618.99	47,632,243.06			
<b>Restricted Assets:</b>			<b>Liabilities:</b>		
Cash and Cash Equivalents:			Long-Term Debt:		
Customer Deposits	507,936.00	523,276.00	2013 Revenue Bonds		
Total Cash and Cash Equivalents	507,936.00	523,276.00	Net of Current Portion	3,269,000.00	3,680,000.00
			Plus: Unamortized Premium	-	-
Investments:			Less: Unamortized Refunding Charge	-	-
2013 Bond Construction Fund	-	-			
Interest and Sinking Fund	178,845.29	423,697.43	Pension Liability	1,445,475.00	1,445,475.00
Emergency, Repair, Replace, Conting Fund	3,761,925.79	3,534,535.21	Total Long-Term Debt	4,714,475.00	5,125,475.00
L.T. Rate Stabilization Fund:	813,793.81	723,583.07			
Total Investments	4,754,564.89	4,681,815.71			
Total Restricted Assets	5,262,500.89	5,205,091.71			
<b>Current Assets:</b>			Current Liabilities Payable		
Revenue Fund:			from Restricted Assets:		
Cash and Cash Equivalents	773,723.40	591,034.51	Current Portion of 2013 Revenue Bonds	411,000.00	401,000.00
Investments - Less: Customer Deposits	9,851,271.30	10,485,175.65	Accrued Interest Payable	41,841.32	56,077.75
Total Revenue Fund	10,624,994.70	11,076,210.16	Customer Deposits	507,936.00	523,276.00
			Interest on Customer Deposits	13,185.35	11,564.40
Construction Fund:					
Cash and Cash Equivalents	5,072.91	5,067.68		973,962.67	991,918.15
Investments	1,658,996.90	1,658,519.20			
Total Construction Fund	1,664,069.81	1,663,586.88	Current Liabilities:		
Rate Stabilization Fund:			Accounts Payable - Power Suppliers	25,923,559.56	2,165,917.04
Cash and Cash Equivalents	-	-	Accounts Payable and Accrued Liab's	857,030.87	1,220,722.13
Investments	1,897,463.51	1,896,917.91	Over Collection of Power Cost Adj Revs	(21,379,518.21)	1,983,317.71
Total Rate Stabilization Fund	1,897,463.51	1,896,917.91		5,401,072.22	5,369,956.88
ERCOT CRR Auction Funds	611,088.88	279,826.49			
Customer Accounts Receivable,					
Net of Allowances	4,540,279.59	3,721,152.41			
Materials and Supplies	939,914.63	1,011,261.27	<b>Total Liabilities</b>	<b>11,089,509.89</b>	<b>11,487,350.03</b>
Other	943,401.26	912,521.10			
Total Current Assets	21,221,212.38	20,561,476.22			
<b>Deferred Debits</b>			<b>Deferred Credits</b>		
Deferred Outflow of Resources	1,972,449.53	1,972,449.53	Deferred Inflows of Resources-Pension	2,540,816.00	2,540,816.00
Advance to City of Kerrville	7,500,000.00	7,500,000.00			
Advance to City of Kerrville-2020	1,000,000.00	1,000,000.00			
Total	84,861,781.79	83,871,260.52	<b>Total</b>	<b>84,861,781.79</b>	<b>83,871,260.52</b>

Kerrville Public Utility Board  
Detail of Fund Balances from Funds Invested in Government Securities For the Month Of  
February, 2021

			Restricted						Total Funds Invested
		Revenue Fund	Construction Fund	Rate Stabilization Fund	Long Term Rate Stabil. Fund	Debt Reserve Fund	Interest & Sinking Fund	Emergency, Repair, Replace & Contingency Fund	
Beginning of the Month Balance		10,822,109.00	1,661,272.48	1,897,411.15	813,771.36	-	133,575.48	3,244,368.39	18,572,507.86
Maturities and/or Withdrawals:									-
TEXPOOL-TML Insurance	2/2/2021	(56,635.79)							(56,635.79)
TEXPOOL-TMRS	2/1/2021	(65,650.26)							(65,650.26)
TEXPOOL-LCRA	2/26/2021	(537,892.75)							(537,892.75)
TEXPOOL-CPS Energy	2/26/2021	(1,212,473.45)							(1,212,473.45)
TEXPOOL-NextEra	2/22/2021	(485,088.00)							(485,088.00)
TEXPOOL-ERCOT	2/10/2021	(91,943.97)							(91,943.97)
TEXPOOL-ERCOT	2/24/2021	(7,717.48)							(7,717.48)
TEXPOOL-City of Garland	2/2/2021	(166,718.23)							(166,718.23)
TEXPOOL-DG Southwest Solar LLC	2/22/2021	(35,732.75)							(35,732.75)
TEXPOOL-Engie-Long Draw Solar	2/12/2021	(47,419.32)							(47,419.32)
TEXPOOL-Withdrawal to Checking									-
Hunt Emergency Transformer Replacement			-						-
Fund EM Rep,Rep & Cont Fund									-
Per Resolution 20-21	2/28/2021	(75,474.49)						75,474.49	-
Investments:									-
TEXPOOL	2/1/2021	200,000.00							200,000.00
TEXPOOL	2/2/2021	200,000.00							200,000.00
TEXPOOL	2/5/2021	300,000.00							300,000.00
TEXPOOL	2/8/2021	400,000.00							400,000.00
TEXPOOL	2/12/2021	400,000.00							400,000.00
TEXPOOL	2/16/2021	300,000.00							300,000.00
TEXPOOL	2/22/2021	600,000.00							-
TEXPOOL	2/25/2021	200,000.00							200,000.00
TEXPOOL	2/26/2021	200,000.00							200,000.00
TEXPOOL									-
TEXPOOL									-
TEXPOOL									-
Transfer City Interest Payment		10,839,362.51	1,661,272.48	1,897,411.15	813,771.36	-	133,575.48	3,319,842.88	18,065,235.86
Allocation of:									
mo int earned to the separate funds		319.29	45.84	52.36	22.45	-	3.96	89.80	533.70
Transfer of interest to I & S Fund									
Interest Receivable (accrued on CD)		3,555.61						813.15	4,368.76
Interest Receivable (accrued on CD)								-	-
									-
Tot Fund Bal after int allocation & Xfer		10,843,237.41	1,661,318.32	1,897,463.51	813,793.81	-	133,579.44	3,320,745.83	18,070,138.32
Interfund transfers	2/25/21	(44,705.40)					44,705.40		-
Total Fund Balance at End of Month		10,798,532.01	1,661,318.32	1,897,463.51	813,793.81	-	178,284.84	3,320,745.83	18,070,138.32

Kerrville Public Utility Board  
 Computation of the Monthly and Year to Date Debt Service Coverage  
 For the Month Ended  
 2/29/2021

Description	Current Month	Fiscal Year	Previous Twelve Months
Net Income	1,115,063.11	1,815,358.80	4,441,670.74
Plus:			
Interest Expense (net of amortizations & 1	10,460.33	64,272.42	113,175.72
Depreciation Expense	292,188.09	1,722,974.16	3,732,877.99
	-	-	-
Miscellaneous Amortizations	-	-	-
 Numerator	 1,417,711.53	 3,602,605.38	 8,287,724.45
  DIVIDED BY:			
 Interest Expense (net of amortizations & AFU	10,460.33	64,272.42	113,175.72
Principal Payment Due	34,250.00	170,416.67	404,333.33
 Denominator	 44,710.33	 234,689.09	 517,509.05
  Debt Service Coverage Ratio	 31.71	 15.35	 16.01
 Minimum Requirement per Bond Covenant		1.35	times Debt Service
Minimum Requirement Established by KPUB Board for Good Business Practices		1.65	times Debt Service

Schedule of Average Daily Balance of Fund  
For Reporting Compliance as Required by the  
Texas Public Funds Investment Act  
For the Quarter Ended December 31, 2020

Total Funds Invested

Day of the Month	October 2020	November 2020	December 2020	Totals
1	19,556,893.23	19,040,169.59	19,035,165.63	
2	19,838,336.97	19,332,059.30	19,253,147.68	
3	19,838,336.97	19,405,649.41	19,289,624.00	
4	19,838,336.97	19,446,131.22	19,433,396.03	
5	20,194,137.83	19,475,534.39	19,433,396.03	
6	20,251,134.98	19,731,986.35	19,433,396.03	
7	20,206,454.00	19,731,986.35	19,675,765.59	
8	20,264,221.74	19,732,007.69	19,698,047.10	
9	20,294,885.58	19,886,614.94	19,872,044.95	
10	20,294,885.58	19,800,406.72	19,676,063.68	
11	20,294,885.58	19,800,406.72	19,896,131.04	
12	20,294,885.58	19,854,898.36	19,896,131.04	
13	20,469,383.71	20,082,441.38	19,896,131.04	
14	20,413,095.69	20,082,441.38	20,212,133.25	
15	20,342,806.43	20,082,441.38	20,272,404.93	
16	20,494,141.62	20,393,912.70	20,288,495.41	
17	20,494,141.62	20,500,308.54	20,289,277.14	
18	20,494,141.62	20,501,686.70	20,506,951.45	
19	20,644,805.51	20,511,691.80	20,506,951.45	
20	20,224,533.36	20,215,563.35	20,506,951.45	
21	20,261,958.56	20,215,563.35	20,345,303.79	
22	20,173,698.86	20,215,563.35	20,461,612.96	
23	20,414,370.86	20,534,975.87	19,421,560.43	
24	20,414,370.86	19,690,935.52	19,452,443.27	
25	20,414,370.86	19,667,447.87	19,452,443.27	
26	19,955,081.50	19,667,447.87	19,452,443.27	
27	20,005,906.28	19,904,580.66	19,452,443.27	
28	20,099,492.56	19,904,580.66	19,734,739.62	
29	20,043,645.18	19,904,580.66	19,755,532.67	
30	19,499,022.59	19,046,924.07	20,022,065.27	
31	19,508,462.89		19,195,980.86	
Total of daily balance	625,534,825.57	596,360,938.15	613,818,173.60	
Average daily balance	20,178,542.76	19,878,697.94	19,800,586.25	19,953,412.36
Interest earnings	9,440.30	6,903.04	6,788.95	23,132.29
APR ----->	0.54%	0.42%	0.40%	0.45%



**Kerrville Public Utility Board  
Schedule of Other Investment Facts  
For Reporting Compliance as Required by the  
Texas Public Funds Investment Act  
For the Quarter Ended December 31, 2020**

**Total Funds Invested by Fund**

<b>Fund</b>	<b>Market Value and Carrying Amount</b>	<b>Actual Interest Earnings</b>	<b>Budgeted Interest Earnings</b>
Revenue	11,150,078.89	16,252.44	\$13,429
Construction	1,661,189.69	349.07	\$2,001
Rate Stabilization	1,897,316.60	398.69	\$2,285
Long Term Rate Stabilization	\$723,735.15	158.08	\$872
Debt Reserve	0	0	-
Interest & Sinking	88,863.35	39.14	\$263
Emergency Repair & Contingency	3,167,835.64	5,725.54	\$3,815
Revenue Fund - Checking	506,961.54	209.33	\$150
<b>Totals</b>	<b>19,195,980.86</b>	<b>23,132.29</b>	<b>\$22,814</b>

**Total Funds Invested by Security**

<b>Type of Security</b>		<b>Market Value and Carrying Amount</b>	<b>Actual Interest Earnings</b>	<b>Budgeted Interest Earnings</b>
FHLB		0	0	0
FFCB		0	0	0
FREDDIE MAC		0	0	0
FARMER MAC		0	0	0
Certificate of Deposit	34%	6,541,497.81	18,794.46	7,774.43
TEXPOOL	50%	9,667,642.21	3,082.31	11,489.78
LOGIC	13%	2,479,879.30	1,038.80	2,797.28
Other-Misc checking accounts, etc	3%	506,961.54	209.33	150.00
<b>Totals</b>	<b>100%</b>	<b>19,195,980.86</b>	<b>23,124.90</b>	<b>\$22,814.00</b>

## MEMORANDUM

To: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

From: Allison Bueché

Date: March 10, 2021

RE: Agenda Item #11—Change for Charity Program Fund Update

---

The Kerrville Public Utility Board (KPUB) Change for Charity program fund continues to be well received with the majority of our customers, and the partnership with St. Vincent de Paul is continuing smoothly as well.

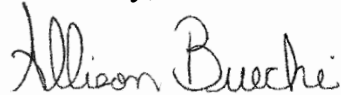
We have had 21 customers opt-out since our last report, bringing a total of 695 residential customers who have opted out of the program as of March 10, 2021.

For the month of February, we granted \$13,635.03 in program funds to 116 households.

Since the program's inception in July, we have granted a total of \$109,470.62 in bill payment assistance through the Change for Charity fund to 934 families in our community.

Please let me know if you have any questions or concerns.

Sincerely,



Allison Bueché  
Interim Director of Customer & Community Relations  
Kerrville Public Utility Board

## MEMORANDUM

To: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

From: Tammye Riley

Date: March 11, 2021

Re: Agenda Item No. 12

---

As we began our response to the COVID-19 pandemic 1 year ago, we had little idea of the magnitude of the journey we were about to face. Our management team gathered forces and set into motion our emergency preparedness plan - decisions were carefully considered but our actions were swift. We relied on industry member organizations & peers, as well as government health departments to help pave the way of this unknown road. I am proud to say that we have stayed the course and have remained vibrant through this pandemic.

Our goal from the beginning was to ensure the safety and health of our workforce, while continuing operational integrity and reliability of power to our community. Our goals continue to remain the same with little changes being made to our day to day operations over the past year; we continue to separate the workforce, continue with our disinfecting measures, and accommodating our staff when absences are required, to name a few. A great deal of patience and ingenuity has been shown by our staff and we could not be prouder of them.

I will be happy to answer any questions or concerns you might have regarding our COVID-19 responses.

Sincerely,



Tammye Riley  
Director of HR, Safety & Training

## MEMORANDUM

To: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

From: Tammye Riley

Date: March 11, 2021

Re: Agenda Item No. 13 – Consideration and Action on Resolution No. 21-07  
Board Policy #32.

---

Staff is recommending the approval of an addition to KPUB's leave policy to include a leave donation program. The Employee Donated Paid Time program allows employees to donate a combined amount of accrued sick and vacation time, not to exceed 4 weeks in a calendar year, to a receiving employee in need of time off for a serious illness or injury for themselves or immediate family member (defined in the policy).

These employee-friendly programs may help play a role in increasing productivity, reducing absenteeism, and improving recruiting and retention of quality employees. They also enhance employee morale and camaraderie.

This recommended addition to the leave policy provides a comprehensive leave program for employees that fall in line with our culture of being KPUB proud and community minded, this allows an internal opportunity for supporting those in our workforce that are in need.

Sincerely,



Tammye Riley  
Director of HR, Safety & Training

**KERRVILLE PUBLIC UTILITY BOARD**

**BOARD POLICY 32**

Title: Vacations, Holidays and Absences	
Effective Date: March 17, 2021	Resolution No. 21-07
Replaces: August 17, 2016	Resolution No. 16-20

**32.00 Vacations**

Upon successful completion of their probationary period, a regular full-time employee, hired after February 1, 1989, will be eligible for vacation leave with pay. Employees earn vacation leave once a year, on their anniversary date, according to the following schedule:

<b><u>Employment Anniversary</u></b>	<b><u>Vacation Earned</u></b>
Completion of probation	6 days (48 hours)
1 <sup>st</sup> anniversary	6 days (48 hours)
2 <sup>nd</sup> thru 4 <sup>th</sup>	12 days (96 hours) per year
5 <sup>th</sup> thru 14 <sup>th</sup>	15 days (120 hours) per year
15 <sup>th</sup> thru 24 <sup>th</sup>	21 days (168 hours) per year
25 <sup>th</sup> or more	24 days (192 hours) per year

Individuals may receive vacation service credit for their experience prior to employment at KPUB ("outside experience"). Outside experience that is determined to be applicable to their position will, at the discretion of the Board Personnel Committee, be added to their KPUB years of service for determining the amount of vacation eligibility. This determination will be made promptly after the effective date of this policy for current employees and for new employees at time of hire, and will be reduced to writing. The extent of outside experience, if any, to be considered for determining vacation service credit for the General Manager and CEO will be made by the Board.

Each Department Head shall schedule and approve vacation leave with regard to operating requirements, service time, and to the extent business needs permit, the employee's request. On the employee's anniversary date each year, unused vacation time up to a maximum of 200 hours will be carried over to the following year's leave.

An employee who has taken one or more leaves of absence during the year preceding an employment anniversary which collectively exceed 30 calendar days will receive vacation credit prorated according to the number of months actually worked.

### **32.10 Holidays**

The Board shall observe the following holidays:

New Year's Day	-	January 1
Good Friday	-	Friday before Easter Sunday
Memorial Day	-	Last Monday in May
Independence Day	-	July 4
Labor Day	-	First Monday in September
Thanksgiving Day and the following Friday	- -	Fourth Thursday in November and the following Friday
Christmas Eve	-	December 24
Christmas Day	-	December 25
Floating Holiday	-	Any non-holiday during the calendar year

All regular full-time employees shall be entitled to paid holidays. When one of the holidays falls on a Saturday, it shall be observed on the preceding Friday and when a holiday falls on a Sunday, it shall be observed on the following Monday. To the extent business needs permit, KPUB will honor an employee's request to take their Floating Holiday, but it must be scheduled and approved by the Department Head. The Floating Holiday may not be carried over into the next calendar year.

### **32.20 Excused Absences**

The Board recognizes that under certain circumstances an employee must legitimately be absent from work. The General Manager has the discretionary authority to establish policies addressing excused absences with pay for the following: jury duty, appearance as a witness, death in the family, or illness in the family.

### **32.30 Employee Illness or Injury**

Regular, full-time employees will accrue one day of paid leave for each full month of employment, to protect against a loss of income due to absence because of personal

disability (illness, injury, or disability due to pregnancy). Newly hired employees, however, may not use paid sick leave until they have completed six months' continuous service. Unused sick leave may be accrued up to a maximum of 1000 hours. Sick leave must be earned before it is granted. If an employee is injured while performing assigned job duties and sick leave is not available, the General Manager may allow, for a reasonable length of time depending upon the circumstances, pay in the amount of the difference between the employee's Workmen's Compensation Insurance and his regular salary. No compensation in lieu of unused sick leave will be paid for any reason. Employees may be required to provide satisfactory proof of illness to receive sick leave pay.

The Employee Donated Paid Time program allows employees to donate a combined amount of accrued sick and vacation time, not to exceed 4 weeks in a calendar year, to a receiving employee in need of time off for a serious illness or injury for themselves or immediate family member.

The Board has also instituted a Short-Term Illness or Disability Program for employees experiencing an extended illness or injury, to compensate the employee for 50% of his/her salary after the exhaustion of all accrued sick leave pay for up to six (6) months, subject to eligibility requirements and other applicable limitations.

#### **32.40 Leaves of Absence**

The General Manager has the discretionary authority to grant an employee a leave of absence without pay for a reasonable length of time.

#### **32.50 Maternity Leave**

Female employees are allowed to use accrued paid sick leave and vacation for absences due to disability associated with pregnancy or childbirth.

#### **32.60 Family and Medical Leave Act (FMLA)**

The Kerrville Public Utility Board will comply with the provisions of the Family and Medical Leave Act ("FMLA"). Whether time spent on FMLA leave is compensable will be determined in accordance with the other provisions of this policy.

#### **32.70 Military Leave**

Any regular full-time employee of the Board shall be eligible for military leave. Employees in a regular, full-time position who are ordered by competent military authority to short tours of military duty (Reserve or National Guard Summer Camp), not to exceed fifteen working days annually, shall be paid their regular Board pay while on such leave. Where such tours of duty exceed fifteen working days, an employee may be granted Leave of Absence without pay for time in excess of fifteen working days.

Approved as to Form

\_\_\_\_\_  
Tiffany Cox Stacy, Special Counsel

Recommended for Board Approval

\_\_\_\_\_  
Mike Wittler, General Manager & CEO

PASSED, APPROVED AND ADOPTED the 17th day of August, 2016.

\_\_\_\_\_  
Bill Thomas, Chairman

ATTEST:

\_\_\_\_\_  
Mark Cowden, Secretary



**RESOLUTION NO. 21-07**

**A RESOLUTION OF THE KERRVILLE PUBLIC UTILITY BOARD AMENDING BOARD POLICY NUMBER 32 VACATIONS, HOLIDAYS AND ABSENCES.**

**WHEREAS,** the Kerrville Public Utility Board of Trustees has adopted a Policies and Procedures Manual to maintain policies and procedures established by the Board of Trustees and the General Manager to direct action of the Trustees, Officers and staff and set policies for the operation of the system; and

**WHEREAS,** in the performance of managing and operating the system it is necessary from time to time to review such policies and amend as needed; and

**WHEREAS,** Board Policy Number 32 was revised on August 11, 2016 as recommended by the Personnel Committee; and

**WHEREAS,** staff has recommended an addition of a leave donation program to the policy; now, therefore,

**BE IT RESOLVED BY THE KERRVILLE PUBLIC UTILITY BOARD:**

**Section 1.** That revised BOARD POLICY 32 VACATIONS, HOLIDAYS AND ABSENCES attached hereto is hereby adopted by the Board.

**Section 2.** This Resolution shall take effect immediately from and after its passage.

**PASSED, APPROVED, AND ADOPTED this 17<sup>th</sup> day of March 2021.**

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**Bill Thomas, Chairman**

**ATTEST:**

---

**Mark Cowden, Secretary**

## MEMORANDUM

To: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

From: Mike Wittler

Date: February 11, 2021

Re: Agenda Item 14—Consideration and Possible Action on Downtown Lighting Projects

---

I have attached background information on the development of new lighting rates over the past five years or so:

- Memo to Board, Downtown Beautification and Lighting, 2-11-2021
- Internal Email Re String Lighting Rate Calculations, 2-10-2021
- Rate Calculations for String Lighting, 3-21-2021
- Rate Calculations for KPUB Installed Light Pole November 2018
- KPUB Streetlight Rate Tariff November 2018
- Picture of Decorative Light on Ingram Bridge
- Internal Emails Re Ingram Bridge Lights 2016-2017
- Ingram Bridge Light Work Order Variance Report
- Ingram Bridge Light Work Order Details
- Streetlight Rate Recommendation from UFS 12-3-2013

At this point I am planning to continue with the following steps:

1. Get quotations for the string light projects
2. Update rate calculation based on quoted pricing
3. Seek Board approval of String Lighting Rate (April or May)
4. Proceed with installation of first two string lighting locations (Summer)

Please let me know if you require any additional information or if I can answer any questions.

Sincerely,



Mike Wittler, P.E.

# MEMORANDUM

To: Bill Thomas  
Philip Stacy  
Mark Cowden  
Larry Howard  
Mayor Bill Blackburn

From: Mike Wittler

Date: February 11, 2021

Re: Agenda Item 14—Status Update on Downtown Beautification and Lighting Projects

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## **KUTS Lighting:**

At the request of the City and the Kerrville Urban Trail System (KUTS) we have been working on designs for string lighting across the streets at points of interest along the trail. The first two locations would be on Clay St. between the Voelkel Building and the Downtown Parking Garage and between Napa Auto and Pint and Plow. We estimate a typical installation cost of \$24,540.78 for each location and a monthly rate of \$144.98 for each location. The rates have been developed using formulas previously provided by Utility Financial Solutions for KPUB installed street light poles. Their rates recover costs for depreciation (20-30 years) and a 5% rate of return based on average net book value of assets installed. To that we have added costs for maintenance of the string lighting fixtures. Each location will have eight light strings crossing the road and the rate is equivalent to the cost of eight streetlights. City staff has requested KPUB to proceed with the installations.

## **Downtown Beautification:**

As reported last month, we have had a placeholder in our capital budget for downtown underground conversion in the amount of \$200,000 for several years. The intent initially was to work on undergrounding along Water St. starting at Sidney Baker and going West to Clay Street.

Several projects are now underway: TXDOT is replacing the traffic signal at Water St. and Sidney Baker, KUTS has installed two murals and is working on pedestrian crossings at Water St. and Clay St., and the City is now working on projects at the A.C Schreiner Mansion and the Downtown Parking Garage.

I think that KPUB is in a position to make aesthetic improvements to the Downtown, TIRZ district, and other areas of our service area when possible. If KPUB can make these improvements for our community and continue to maintain competitive rates, this would be a reasonable course of action.

The scope of the project we are looking at is larger than initially planned. Rough cost estimates are:

1. Underground all (1225 feet): \$346,500
2. Underground the Water/Clay intersection (800 feet): \$217,500

3. Leave Overhead: \$0

Moving the communications utilities will also cost \$25,000 to \$50,000. KPUB cannot fund these costs with ratepayer funds and will need to find other funding sources for these costs.

In determining policies regarding beautification expenditures, the Board should be mindful of potential rate payer equities (city vs. county ratepayers and Kerrville vs. Ingram, Hunt and CenterPoint).

The possibility of seeking EIC funding for 50% of this project was brought up at last month's Board meeting. EIC funds are limited and sought out for many projects. When compared to projects that support primary manufacturing jobs, utility infrastructure to support primary jobs and workforce housing, and quality of life projects like the River Trail, I expect that this beautification project will rank low on the priority list.

I would recommend that the Board support this as a project fully funded by KPUB. If the Board does choose to seek EIC funding, I would recommend that the Board support KPUB funding the installation of conduit for utility crossings at the intersection of Clay and Water Streets so that we can complete that work before KUTS street crossings are done in early summer.

The policy question for the Board to discuss is how aesthetic improvement projects should be funded. Traditionally these projects have been funded by the requestor. An additional consideration is that if matching funding is required, then projects outside of the City may be put at a disadvantage.

Please let me know if you require any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Wittler", with a stylized flourish at the end.

Mike Wittler, P.E.

**From:** [Richard Dreiss](#)  
**To:** [Mike Wittler](#)  
**Subject:** Re: Rate Calculations for KUTS String Lighting.xlsx  
**Date:** Wednesday, February 10, 2021 12:31:40 PM

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This looks very good and is viable unless we decide to use hats which are very expensive. I have a sample being shipped with some hats and with the 3500k lamps I ordered plus some 3000k and 2700k replacements we can play around with. The 1% maintenance should cover us quite well for this 12V system. Other than lamp replacement down the road our major component is the \$600.00 power supply. When lights are on they will only draw 82.5W so with some negligible losses energy use is not a factor.

Sent from my iPad

On Feb 10, 2021, at 12:11 PM, Mike Wittler <[mwittler@kpub.com](mailto:mwittler@kpub.com)> wrote:

Richard,

Here is the rate calculation spreadsheet. This is based on calculations that our rates consultant provided for a KPUB installed UG fed streetlight pole (see second tab—we normally require customer/developer to install those).

I broke the costs in two and added a component for annual maintenance.

The rate recovers depreciation (20 years for lights and 30 years for structures), 5% rate of return on 50% net book value (average value of asset over its life), and maintenance cost based on percentage of initial install cost.

Take a look and let me know if you think these are reasonable. I'm inclined to lower annual maintenance on the string lights to 1%.

Thanks,  
Mike

<Rate Calculations for KUTS String Lighting.xlsx>

	NAPA Location		Garage Location		Weighted Average*		First 2 Locations Average	
Life (Yrs)	20	30	20	30	20	30	20	30
Cost Pole and Messenger Supports	\$ 6,000.00	\$ 6,000.00	\$ 24,000.00	\$ 24,000.00	\$ 9,600.00	\$ 9,600.00	\$ 15,000.00	\$ 15,000.00
Outside Engineering	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
Total Cost	\$ 9,000.00	\$ 9,000.00	\$ 27,000.00	\$ 27,000.00	\$ 12,600.00	\$ 12,600.00	\$ 18,000.00	\$ 18,000.00
Depr Rate	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.03
Annual Depr	\$ 450.00	\$ 300.00	\$ 1,350.00	\$ 900.00	\$ 630.00	\$ 420.00	\$ 900.00	\$ 600.00
Annual Inflationary increase	3%	3%	3%	3%	3%	3%	3%	3%
Interest Rate of Required Debt	2%	2%	2%	2%	2%	2%	2%	2%
ROR (NBV = 50%)	5%	5%	5%	5%	5%	5%	5%	5%
Annual ROR	\$ 225.00	\$ 225.00	\$ 675.00	\$ 675.00	\$ 315.00	\$ 315.00	\$ 450.00	\$ 450.00
Annual Maintenance (% of Orig. Install Cost)	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Annual Maintenance	\$ 9.00	\$ 9.00	\$ 27.00	\$ 27.00	\$ 12.60	\$ 12.60	\$ 18.00	\$ 18.00
Annual Pole Cost	\$ 684.00	\$ 534.00	\$ 2,052.00	\$ 1,602.00	\$ 957.60	\$ 747.60	\$ 1,368.00	\$ 1,068.00
Monthly Pole Cost	\$ 57.00	\$ 44.50	\$ 171.00	\$ 133.50	\$ 79.80	\$ 62.30	\$ 114.00	\$ 89.00
Cost of Lighting and Catenary System	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
Outside Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Cost	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
Depr Rate	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.03
Annual Depr	\$ 750.00	\$ 500.00	\$ 750.00	\$ 500.00	\$ 750.00	\$ 500.00	\$ 750.00	\$ 500.00
Annual Inflationary increase	3%	3%	3%	3%	3%	3%	3%	3%
Interest Rate of Required Debt	2%	2%	2%	2%	2%	2%	2%	2%
ROR (NBV = 50%)	5%	5%	5%	5%	5%	5%	5%	5%
Annual ROR	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00	\$ 375.00
Annual Maintenance (% of Orig. Install Cost)	2%	2%	2%	2%	2%	2%	2%	2%
Annual Maintenance	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00	\$ 300.00
Annual Pole Cost	\$ 1,425.00	\$ 1,175.00	\$ 1,425.00	\$ 1,175.00	\$ 1,425.00	\$ 1,175.00	\$ 1,425.00	\$ 1,175.00
Monthly Pole Cost	\$ 118.75	\$ 97.92	\$ 118.75	\$ 97.92	\$ 118.75	\$ 97.92	\$ 118.75	\$ 97.92
Total Monthly Rate per Location						\$ 181.05		\$ 207.75
Average Install Cost per Location						\$ 27,600.00		\$ 33,000.00
Simple Payback (Years)						12.7		13.2
*Weighted Average assumes ten ultimate locations, 8 with costs similar to NAPA and 2 with costs similar to Garage								

	Standard		Decorative		Ingram	
Life (Yrs)	20	30	20	30	20	30
Pole	\$ 1,090.00	\$ 1,090.00	\$ 3,800.00	\$ 3,800.00	\$ 6,761.05	\$ 6,761.05
Conduit	\$ 1,330.00	\$ 1,330.00	\$ 1,330.00	\$ 1,330.00		
Install cost	\$ 2,420.00	\$ 2,420.00	\$ 5,130.00	\$ 5,130.00	\$ 6,761.05	\$ 6,761.05
Depr Rate	0.05	0.03	0.05	0.03	0.05	0.03
Annual Depr	\$ 121.00	\$ 80.67	\$ 256.50	\$ 171.00	\$ 338.05	\$ 225.37
Annual Inflationary increase	3%	3%	3%	3%	3%	3%
Interest Rate of Required Debt	2%	2%	2%	2%	2%	2%
ROR (NBV = 50%)	5%	5%	5%	5%	5%	5%
Annual ROR	\$ 60.50	\$ 60.50	\$ 128.25	\$ 128.25	\$ 169.03	\$ 169.03
Annual Pole Cost	\$ 181.50	\$ 141.17	\$ 384.75	\$ 299.25	\$ 507.08	\$ 394.39
Monthly Pole Cost	\$ 15.13	\$ 11.76	\$ 32.06	\$ 24.94	\$ 42.26	\$ 32.87
Ingram Ornamental Pole Job	WO 3800905					
Labor	9551.16					
Overhead	6315.08					
Services	1544.13					
	17410.37					
Per Pole	2901.7283					
Per Day	2487.1957					
Materials	23155.9					
Per Pole	3859.3167					

## **STREET LIGHTING SERVICE**

### **RATE SCHEDULE - SL**

#### **APPLICATION**

Applicable throughout the service area to all electric service for the lighting of public right-of-ways and thoroughfares where the lighting facilities are connected to or can readily be connected to KPUB's existing distribution system.

#### **CHARACTER OF SERVICE**

Service under this rate schedule shall be alternating current, 60 Hertz, single phase. Lamps will be operated from dusk to dawn, or approximately 4,300 hours per year per lamp, and controlled by photoelectric control.

#### **MONTHLY RATE**

##### **Street Lights**

<i>TYPE</i>	<i>WATTS</i>	<i>LUMENS</i>	<i>kWh</i>	<i>AMOUNT</i>
LED	51	5,000	18	\$14.03
	107	10,000	38	\$23.60
	213	20,000	76	\$23.79
POWER SUPPLY			All kWh	\$0.03162 per kWh

##### **KPUB Installed Light Pole**

<i>TYPE</i>	<i>AMOUNT</i>
Standard Underground Fed Pole (Fiberglass or Steel)	\$11.76
Ornamental Pole	\$24.94

Plus an amount calculated in accordance with Rider PCAF.

Plus any taxes, assessments, or surcharges imposed by any governmental authority, which are assessed on the basis of revenues from electric service or volume of electricity purchased or sold.

#### **MINIMUM CHARGE**

The monthly minimum charge shall be the sum of the stated charge per lamp and all applicable rate adjustments.



### **PAYMENT**

Bills are due when rendered and become past due if not paid within sixteen (16) days thereafter. Past due bills shall be assessed a one time penalty charge of 5% of the unpaid amount.

### **AGREEMENT**

Service under this rate schedule requires that the customer execute a contract for a minimum term of 36 months.

### **SPECIAL CONDITIONS**

The following conditions will apply to all facilities installed by KPUB under this rate schedule:

- a. Lighting to be provided under this rate schedule shall be at locations which are easily and economically accessible to KPUB equipment and personnel for construction and maintenance.
- b. KPUB will maintain all facilities incidental to providing this service, including replacement of burned-out lamps.
- c. Service at locations where existing KPUB-owned poles and facilities are not available will be made at the discretion of KPUB and at an additional charge to cover the cost of installing and maintaining poles, transformers, and conductor.
- d. KPUB reserves the right to refuse or discontinue service at locations where excessive maintenance and/or lamp replacements are, in KPUB's sole judgment, likely to or actually do occur.
- e. The cost of repairing facilities damaged by acts of vandalism shall be billed to the customer receiving service under this rate schedule at actual cost to the KPUB, including all appropriate overheads.
- f. KPUB shall, at the request of the customer, relocate or change existing equipment and the customer shall reimburse KPUB for any and all such relocations or changes at actual cost to KPUB, including all appropriate overheads.
- g. New street lighting facilities shall be of a form and substance consistent with KPUB's approved standard configuration for street lighting at the time of the customer's application for service. Where a nonstandard lighting configuration is requested by the customer, all maintenance and replacement costs shall be borne by the customer, should KPUB agree to the installation of the nonstandard facilities.

JOHNSON  
CREEK

## Tommy Nylec

---

**From:** Mike Wittler  
**Sent:** Tuesday, April 18, 2017 4:40 PM  
**To:** philip.stacy59@gmail.com; Philip Stacy (pstacy@kctc.com)  
**Cc:** Tommy Nylec; Jo Anderson  
**Subject:** Ingram Information

Philip,

The City of Ingram is currently paying for 6 lights, 5 are bigger flood or roadway lights and 1 is a small security light. The total monthly cost would be in the neighborhood of \$120-150 per month.

Our records show 14 other lights as installed but inactive. I believe 4 of those are being installed at the new Event Grounds. The LED project had not moved through Ingram, so the records may be off a little, or there may be lights on that they are not getting charged for. When we find lights that are not being paid for, we approach the customers to see if they are willing for start paying for the lights. If so, we convert to LED, if not we remove the lights.

KPUB has a total of 23,197 customers. In Ingram we have a total of 870 customers (630 residential, 236 commercial, and 4 lighting only)—for comparison purposes, in Kerrville we have 13,374 customers (10918 residential, 2382 commercial, 48 large commercial, 14 lighting only, and 12 traffic light).

For the last six months of CY 2016, monthly revenue in Ingram averaged \$106,700.

Ingram has a 2% Franchise Fee and an additional 2% Assessment, so we collect those as surcharges and transfer to the City of Ingram every six months. The last transfer to Ingram totaling \$25,608.92 was made in January (for July 2016 to December 2016).

Mike Wittler  
General Manager & CEO  
Kerrville Public Utility Board  
830-792-8270 office  
830-739-7834 cell

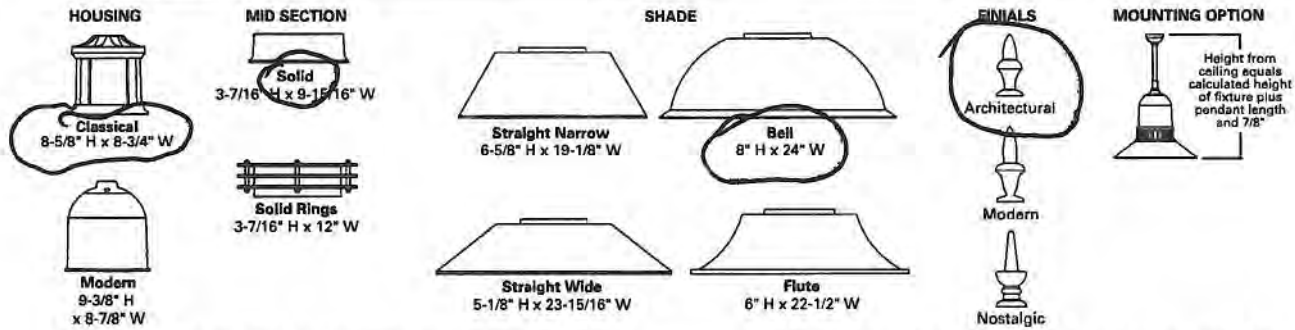


***Safety. Our Way of Life.***

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## CONFIGURATIONS



POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs	E01	E02	E03	E04
Drive Current	350mA Drive Current			
Power (Watts)	25W	52W	75W	97W
Current @ 120V (A)	0.22	0.44	0.63	0.82
Current @ 277V (A)	0.10	0.20	0.28	0.36
Power (Watts)	31W	58W	82W	99W
Current @ 347V (A)	0.11	0.19	0.28	0.29
Current @ 480V (A)	0.09	0.15	0.20	0.21
T2	Lumens	2,948	5,896	8,844
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3
T3	Lumens	2,936	5,873	8,809
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3
T4	Lumens	2,876	5,752	8,627
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3
5MQ	Lumens	3,054	6,108	9,161
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2
5WQ	Lumens	2,987	5,975	8,962
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2
5XQ	Lumens	2,982	5,963	8,945
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3
SL2	Lumens	2,878	5,756	8,634
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2
SL3	Lumens	2,894	5,788	8,682
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2
SL4	Lumens	2,823	5,647	8,470
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2
RW	Lumens	2,957	5,915	8,872
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3
SLL/SLR	Lumens	2,816	5,231	7,847
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3

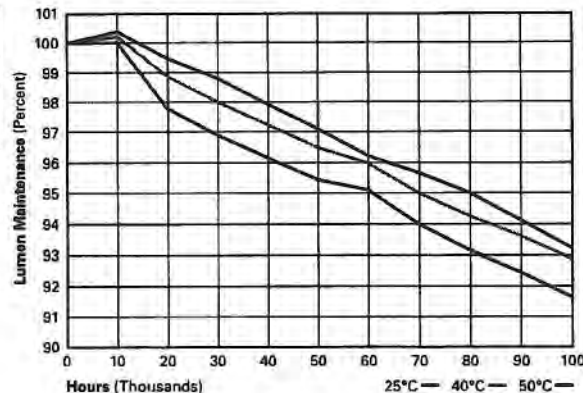
POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBARS)

Number of LightBARs	F01	F02	F03	F04
Drive Current	1A Drive Current			
Power (Watts)	26W	55W	78W	102W
Current @ 120V (A)	0.22	0.46	0.66	0.86
Current @ 277V (A)	0.10	0.21	0.29	0.37
Power (Watts)	32W	60W	85W	105W
Current @ 347V (A)	0.11	0.19	0.28	0.30
Current @ 480V (A)	0.09	0.15	0.21	0.22
T2	Lumens	2,434	4,867	7,301
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3
T3	Lumens	2,424	4,848	7,272
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3
T4	Lumens	2,374	4,748	7,122
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2
5MQ	Lumens	2,521	5,042	7,563
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2
5WQ	Lumens	2,466	4,932	7,398
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2
5XQ	Lumens	2,461	4,923	7,384
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G3
SL2	Lumens	2,376	4,752	7,127
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2
SL3	Lumens	2,389	4,778	7,167
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2
SL4	Lumens	2,331	4,662	6,993
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2
RW	Lumens	2,441	4,883	7,324
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3
SLL/SLR	Lumens	2,159	4,318	6,478
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3

## LUMEN MAINTENANCE

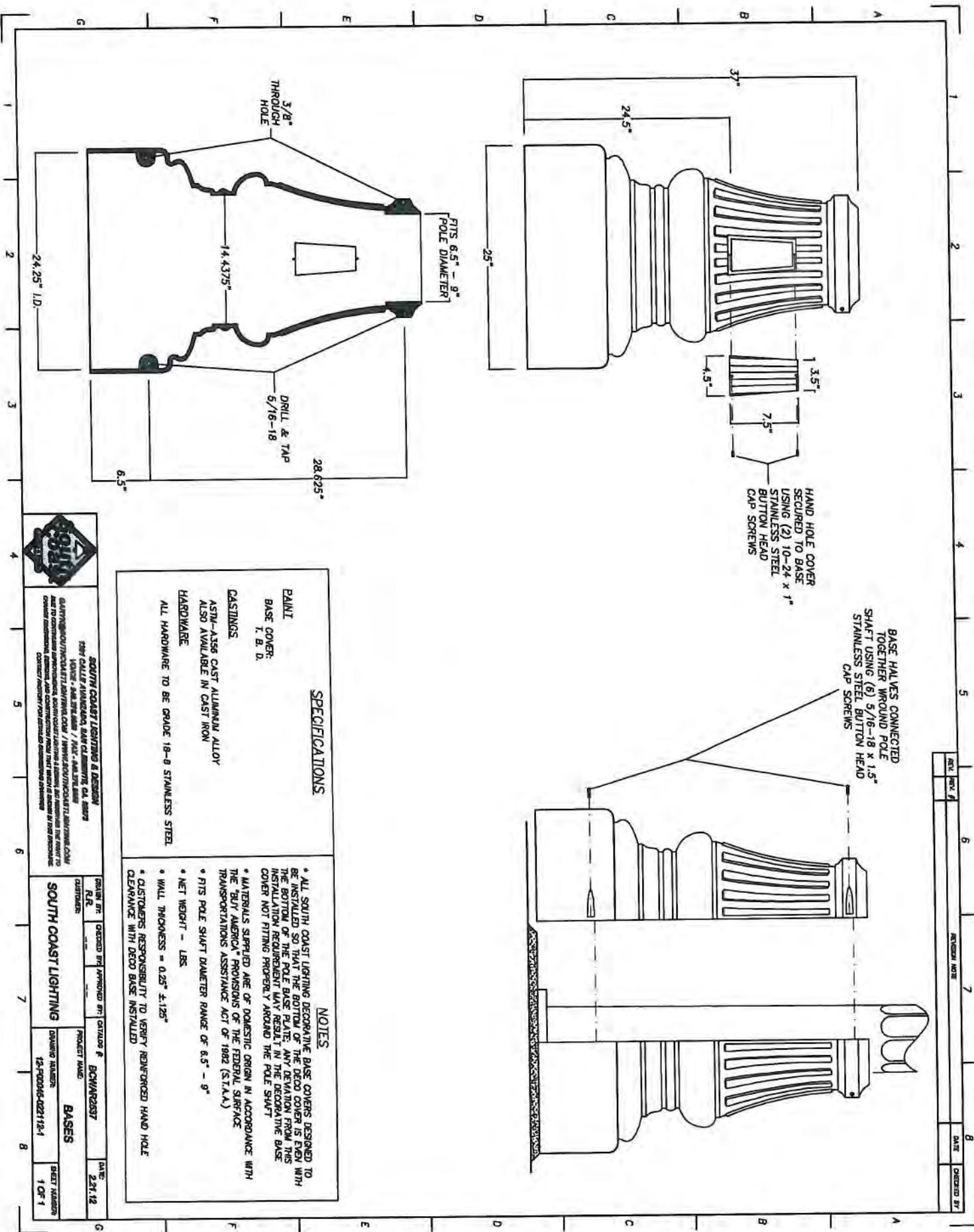
Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

\* Per IESNA TM-21 data.



## LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99
50°C	0.96





## DESCRIPTION

The Epic Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The Epic Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, the Epic Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

EATON/COOPER

## Streetworks

Catalog #		Type
Project	CEM	
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### Construction

**TOP:** Cast aluminum top housing attaches to cast aluminum mounting arm hub with four stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. (See the mounting accessories section for a full selection of mounting arms. (Only these arms are compatible with the Epic luminaire). **MIDSECTION:** Continuous silicone gaskets seal lens to top casting and shade. The mid section features cast aluminum construction and stainless steel assembly. **SHADES:** Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. **DOORFRAME:** Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

### Optics

Choice of twelve patented, high-efficiency AccuLED Optic™ technology manufactured from

injection-molded acrylic. Optics are precisely designed to shape the optics, maximizing efficiency and application spacing. AccuLED Optic technology, creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and nominal 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

### Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard

with 10kV/10kA common - and differential - mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

### Finish

Housing finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum, graphite metallic and hartford green. RAL and custom color matches available. LightBAR cover plates are standard white, and may be specified to match finish of luminaire housing. Consult your lighting representative at Eaton for more information.

### Warranty

Five-year warranty.



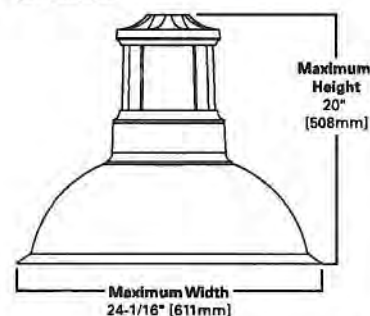
## CEM/MEM EPIC MEDIUM LED

1 - 4 LightBARs  
Solid State LED

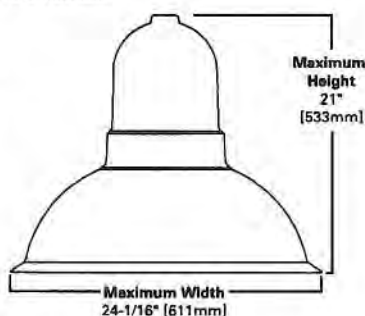
DECORATIVE AREA  
LUMINAIRE

## DIMENSIONS

CEM Classical



MEM Modern



See configurations for more detailed information.

## CERTIFICATION DATA

UL/cUL Listed  
IP66 LightBARs  
LM79 / LM80 Compliant  
2G Vibration Tested  
ISO 9001

## ENERGY DATA

Electronic LED Driver  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V/50 & 60Hz, 347V/60Hz,  
480V/60Hz  
-40°C Minimum Temperature  
40°C Ambient Temperature Rating

## EPA

Effective Projected Area: (Sq. Ft.)  
0.94

## SHIPPING DATA

Approximate Net Weight:  
45 lbs. (20 kgs.)



TD500027EN  
2015-11-02 15:38:27

(38)

Largest wattage  
is 97 watts  
available  
= to 200HPS



## Lighting Details





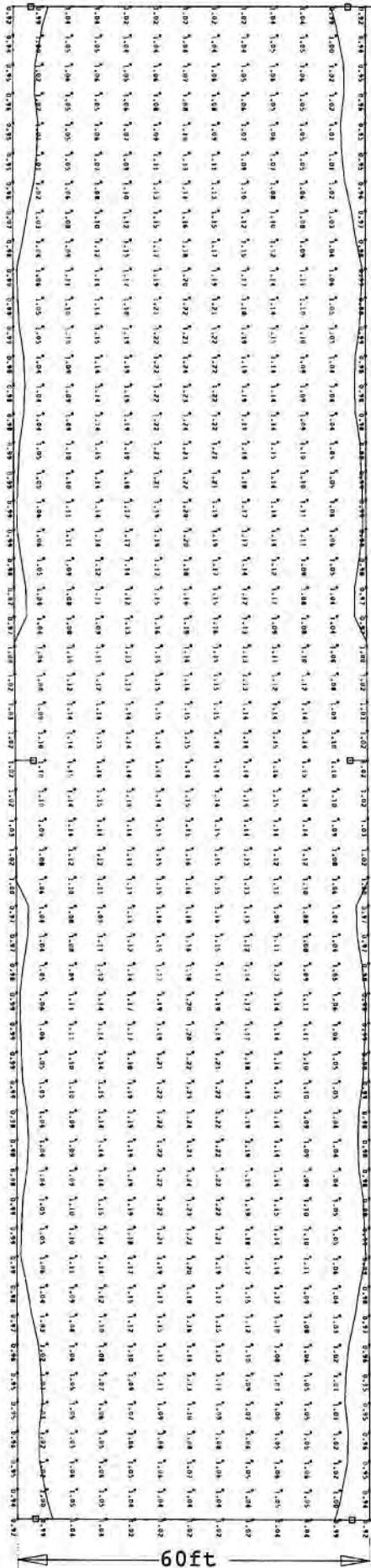
EATON/COOPER CEM E04 T3 DECORATIVE 40 FOOT POLES  
40FT POLES BRIDGE MOUNT  
WITH DECORATIVE 3FT ARM

260ft

Calculation Summary				
Avg	Max	Min	Avg/Min	Max/Min
1.09	1.24	0.92	1.18	1.35

q7 Wall Even/Cooper Fixture

✓  
Good





(6) - 200 HPS EQ 40 FT POLES = \$20,400.00#  
@ \$3400/each

580' - ALONG BRIDGE - #4 TPLX UG = \$1740  
@ \$3.00/ft

180' - TO BRIDGE - #4 TPLX OH  
@ \$1.75/ft \$315.00#

(1) LIFT POLE \$750.00#  
@ \$750

---

\$1065.00#

COORDINATE w/ TXDOT



## KERRVILLE PUBLIC UTILITY BOARD STREETLIGHTING SERVICE AGREEMENT

Customer hereby applies to the Kerrville Public Utility Board (KPUB) for electric service at the address below and agrees that such service shall be supplied and used in accordance with the terms and conditions of KPUB's approved current Electrical Tariff for the class of service supplied hereunder. The Customer further agrees to pay KPUB all charges as set forth under the current Electrical Tariff for the class of service supplied hereunder and any additional charges required in accordance with the terms and conditions of KPUB's Service Rules and Regulations. KPUB's Electrical Tariff and Service Rules and Regulations, both incorporated herein by reference and made a part hereof, are currently on file with the City of Kerrville and at the KPUB offices at 2250 Memorial Blvd., Kerrville, Texas. **Service under the KPUB Lighting Rate Schedules requires that the customer executes a contract for a minimum term of 36 months.** Light application below to be completed by KPUB Engineering.

Available light types and associated rates are provided below. **Street lights are only available for lighting thoroughfares and can only be requested by entities responsible for street maintenance, i.e. City, County, HOA, etc.** Any additional facilities that are needed to install the requested lights, such as additional poles or civil work, will be subject to a Contribution in Aid of Construction (CIAC). Energy costs fluctuate as the power cost adjustment changes from month to month. Overall rates are subject to revision by the Board of Trustees of the Kerrville Public Utility Board. Customer agrees to the following selection of Light Type to be supplied under the approved current Electrical Tariff covering the requested service:

QTY	TYPE	ACCOUNT	MONTHLY BASE RATE	ESTIMATED ENERGY USE	ESTIMATED MONTHLY TOTAL
	Local Roadway	Streetlight	\$12.78	\$2.00	\$14.78
	Collector Roadway	Streetlight	\$20.25	\$5.00	\$25.25
	Major Roadway	Streetlight	\$20.25	\$5.00	\$25.25
6	Ornamental Roadway Fixture & 20' Decorative Pole	Streetlight	\$33.75	\$5.00	\$38.75

### Customer Name & Mailing Address

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### KPUB Account #

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### Engineering Staff

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QTY	Stock Number	QTY	Stock Number
	3403		3414
	3406		3415
	3407		3416
	3408		3418
	3409		3419
	3411		
	3413		

Accepted by:

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Kerrville Public Utility Board

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Customer Signature



## Tommy Nylec

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**From:** Tommy Nylec  
**Sent:** Wednesday, November 2, 2016 4:23 PM  
**To:** 'Philip Stacy'  
**Subject:** RE: Ingram Bridge Lighting

In summary of our conversation last night, I've included an estimate for your use in your upcoming meeting. The lights recommended are a dark sky LED that is an energy efficient fixture almost identical to the sample lights you're trying to emulate. The lights mounted on 20 foot ornamental poles should meet TxDOT lighting requirements and provide sufficient lighting on the bridge for automobile and pedestrian traffic. The average cost per each fixture and pole will be approximately \$2,800. With a light at all six locations along the bridge (3 each side), the total lighting will cost \$16,800. The cost for the streetlight conductors will be an additional \$3,000. This amount excludes civil work necessary to bury the conductor which will require further coordination details with TxDOT in order to estimate. This would bring the total cost of the project to an estimated **\$19,800** excluding the cost of any requested civil work.

This amount can be paid by the requesting party and the service for the lights would then be metered. They are 97 watt fixtures that operate using a photocell and would only be on at night. Therefore, the usage for the account would be very low. Any maintenance would be provided at cost by KPUB billed to the requesting party on an as-needed basis. Another option for consideration would be for KPUB to install the fixtures and poles at their cost. Someone would then need to have these lights added to their account and would be billed monthly at the street light rate. Both options are covered under the Street Lighting Service Tariff.

If you need any further information, just let me know. If you have any questions during your meeting, feel free to call my cell phone if it would be helpful for me to answer them.

Thanks,  
Tommy Nylec  
(214)794-7881

**From:** Tommy Nylec  
**Sent:** Thursday, October 27, 2016 9:30 AM  
**To:** 'Philip Stacy' <philip.stacy59@gmail.com>  
**Cc:** Mike Wittler <mwittler@kpub.com>  
**Subject:** Ingram Bridge Lighting

Philip,

Mike has requested that I attend a Regulatory Update meeting in Boerne on Friday, so I was hoping we could reschedule. Please let me know if this is possible, and if not I can make arrangements for someone to attend the Boerne meeting in my place. Prior to our meeting, I wanted to outline some options:

Please find attached a PDF document that includes the light locations on the bridge, fixture cut sheets, pole cut sheets, and a sheet with photo metrics. There are 6 light locations, 3 on each side of the bridge. I propose to use a flat glass, dark sky compliant, LED fixture that is equivalent to a 200 watt High Pressure Sodium fixture. The proposed fixture is a very close match aesthetically for the lights that you provided as examples. You may also notice that I'm not proposing as many lights as on the example bridge on Thompson Drive. If upon review, it is determined this fixture isn't desirable, I can provide some alternatives in short order. This fixture was a close match to the look I believe you desired while coincidentally being the cheapest and providing the most uniformity of the fixtures I reviewed.

As there are only 6 locations provided on the Ingram bridge to mount lights, I believe using a 40 foot pole will be the most cost effective, still provide some options, and ultimately, when paired with the proposed fixture create the most uniform light distribution along the bridge. However, we can offer 20 foot and 30 foot poles, but we may need to change the fixture slightly to get sufficient roadway lighting. As I had mentioned before, with the proposed fixture and pole combination, we can light the bridge sufficiently with 2 poles in the middle, 4 poles with one on each corner, or utilize all 6 locations. The pole offerings are a tapered fluted design to match the aesthetics desired. Due to their design, there is the possibility there may be some light trespass off the back side of the bridge, but I believe it will be minimal. This is the only negative component I could really determine and may be a factor in you deciding how many lights you would like to utilize.

In regards to cost, the 40 foot fluted steel poles are \$2,200/pole with the recommended fixture being \$1,200/fixture. This totals to \$3,400 per light location. Should you select to go with shorter poles, a 20 foot pole is \$1,700 and a 30 foot pole is \$1,900. I anticipate there will be an additional cost associated for conductor of approximately \$2,800. This would provide an overhead service to a point that can then feed the lights underground.

Should it be determined that paying up front for these poles, fixtures, and their installation is not feasible, I believe KPUB can still offer this choice assuming an agreement can be made to pay a monthly service fee. The proposed combination of fixture and pole is what I would propose as a KPUB ornamental street light offering that we would offer to any requesting party. I would need to further review current option costs to see if this offering can be provided under the current lighting tariff costs.

If you would like for me to reexamine any other options, I can have the photo metrics recalculated by our vendor at no cost. Should you like me to speak with anyone regarding options, lighting requirements, or cost, I'm more than willing to do so. Upon direction to move forward, we will begin coordination with TxDOT. We will need to provide TxDOT with the illumination files for approval, coordinate conduit locations, and identify a preferred source location. I don't anticipate any issues with the coordination as the above recommendation meets TxDOT lighting requirements.

I look forward to hearing from you.

Thanks,  
Tommy Nylec, P.E.  
Chief Engineer



Kerrville Public Utility Board  
P.O. Box 294999 Kerrville, TX 78029  
(830) 792-8230



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# WORK ORDER

## ESTIMATE TO ACTUAL COST VARIANCE

### Category Detail

Work Order: 3800905 - State Hwy 39 at Johnson Creek

Revision: 0

Category	Construction			Retirement			Tracking		
	Estimate	Actual	Variance %	Estimate	Actual	Variance %	Estimate	Actual	Variance %
Labor Hours	89.27	223.50	150.36%	0.00	0.00	0.00%	0.00	4.00	0.00%
Labor	2,678.10	9,551.16	256.64%	0.00	0.00	0.00%	0.00	168.66	0.00%
Material	9,991.80	23,155.90	131.75%	0.00	0.00	0.00%	0.00	0.00	0.00%
Overhead	3,347.63	6,315.08	88.64%	0.00	0.00	0.00%	0.00	0.00	0.00%
Special Services	0.00	1,544.13	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
AFUDC	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
<b>Total</b>	\$ 16,017.53	\$ 40,566.27	153.26%	\$ 0.00	\$ 0.00	0.00%	\$ 0.00	\$ 168.66	0.00%
Aid	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
<b>Net</b>	\$ 16,017.53	\$ 40,566.27	153.26%	\$ 0.00	\$ 0.00	0.00%	\$ 0.00	\$ 168.66	0.00%

Work Order: 3800905 - State Hwy 39 at Johnson Creek

Revision: 1

Category	Construction			Retirement			Tracking		
	Estimate	Actual	Variance %	Estimate	Actual	Variance %	Estimate	Actual	Variance %
Labor Hours	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
Labor	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
Material	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
Overhead	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
Special Services	0.00	-719.76	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
AFUDC	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
<b>Total</b>	\$ 0.00	\$ -719.76	0.00%	\$ 0.00	\$ 0.00	0.00%	\$ 0.00	\$ 0.00	0.00%
Aid	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
<b>Net</b>	\$ 0.00	\$ -719.76	0.00%	\$ 0.00	\$ 0.00	0.00%	\$ 0.00	\$ 0.00	0.00%

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# WORK ORDER

## ESTIMATE TO ACTUAL COST VARIANCE

**PARAMETERS ENTERED:****Work Order:** 3800905 1, 3800905 0**Format:** Category Detail**Cost Variance:** 0 %**Page Break:** No

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# WORK ORDER ANALYSIS

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**Work Order:** 3800905**Project:****Name:** CITY OF INGRAM**Revision:** 0**Description:** State Hwy 39 at Johnson Creek**Group:** DEFAULT - DEFAULT WO GROUP**Type:** New Construction**Status:****Loan Project:** 37714**Work Plan:****Customer:** 78575**Map Location:** ingram bridge**Service Location:** 0**MI Location:****Staked by:** THOMAS H ALEXANDER**Staked Date:** 11/17/2017**Open Date:** 10/17/2017**Material Completed Date:****WO Completed Date:** 04/11/2018**Eng Review Date:****Processed Date:****Closed Date:** 05/31/2018**Capitalized Date:** 05/31/2018**Asset Group:** ALL - ALL**Minimum Aid Amount:** 0.00**Maximum Aid Amount:** 0.00**BU Project:** -**Engineering Codes:**

Code	Description	Quantity	Amount
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**Assigned Assembly Units:**

Assembly Unit	Description	Construction Qty	Retirement Qty	----- Design Codes -----			
				Pole	Wire	Neutral	MISC
C1FG	3-PHASE SINGLE X-ARM 0-5 A	1.00	0.00	45 FT CLASS 3 P	#336.4 MCM ACS	#2/0 ACSR NEUT	
G1.4	OH TRANS INST. MAT 2 or 3 P	1.00	0.00				
H5.1	POLE GROUND ASSEM.-PLAT	2.00	0.00				
KDP#6 COND	6/2 ALUM SER CONDUCTOR	1,102.00	0.00				
KSP	SERVICE POLE ASSEMBLY	2.00	0.00				CABLE #4 TRIPL
KSP	SERVICE POLE ASSEMBLY	1.00	0.00				CABLE TRIPLEX
M2-2X	POLE GROUND ASSEM.-PLAT	1.00	0.00				
P30 F/G	FIBERGLASS STREET LGT PO	6.00	0.00				
P40C4	POLE WOOD 40'CLASS 4	3.00	0.00				
P45C3	POLE WOOD 45'CLASS 3	1.00	0.00				
SECRISER	UG SECONDARY/SERVICE RIS	1.00	0.00				2" SECONDARY/
T-10 NT	TRANS OH 10KVA 120/240 NO	1.00	0.00				

**Assigned Assets:**

Asset	Description	Construction Qty	Retirement Qty	Standard Cost	Average Cost
364000040	10403/10404 40' WOOD POLE	3	0	987.15	553.34
364000214	20' Steel Fiberglass Pole-Non-Stock	1	0	1,533.00	4,343.35
365000109	1050 KDP #6 CONDUCTOR-SHEPHERD	1000	0	1.29	1.60
371000028	LED Fixture-Non Stock	1	0	1,136.00	3,218.55

**Staked Vs. Charged Quantity:**

Item	Description	Staked	Charged	Difference
10404	Wood Pole 40 foot class 4	3.000	3.000	0.000
10453	Wood Pole 45 foot class 3	1.000	0.000	1.000
1050	CABLE DPLX #6ACSR SHEPHERD	1,102.000	1,000.000	102.000
11030	POLE FIBERGLASS 30'	6.000	0.000	6.000
115	ADAPTER MOUNTING PHOTO CELL	0.000	2.000	-2.000

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# WORK ORDER ANALYSIS

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**Work Order: 3800905****Project:**

12015	Transfrm OH 10 KVA 120/240	1.000	0.000	1.000
1270	CLAMP GROUND ROD	1.000	0.000	1.000
1280	CLAMP GROUNDING TRANSFORMER	1.000	0.000	1.000
1300	CLAMP HOTLINE #8-2/0	1.000	0.000	1.000
1375	CLAMP STIRRUP #6-4/0	1.000	0.000	1.000
1390	CLAMP SVC WEDGE #2-6	4.000	4.000	0.000
1395	CLAMP SVC WEDGE #2/0-4/0	2.000	2.000	0.000
1400	Clevis one point rack	1.000	0.000	1.000
1580	CONDUIT 2" PVC SCH 80 10'	25.000	0.000	25.000
1720	CONTROL PHOTO ELECT 120V Long Life	0.000	2.000	-2.000
1815	Crossarm bronze fbrgls Tangent 8ft	1.000	1.000	0.000
183	ARRESTER 9KV TANK MOUNT BRACKET	1.000	0.000	1.000
1875	Cutout 100 AMP 15KV with fuse holder	1.000	0.000	1.000
2646	FUSE 2A TYPE X 10KVA	1.000	0.000	1.000
2777	Guard Wildlife distribution transformer	1.000	0.000	1.000
3004	INSULATOR PIN TYPE 55-4 13.5KV	6.000	0.000	6.000
3010	INSULATOR SPOOL 53-2, 3"	1.000	0.000	1.000
3450	Pole marking nail	4.000	4.000	0.000
3531	PIN X-ARM 1" NYLON HEAD	2.000	0.000	2.000
3541	PIN POLE TOP 20" 1" NYLON	1.000	0.000	1.000
3575	Pole bottom ground plate	3.000	2.000	1.000
3579	POLE TOPPER 16"	3.000	2.000	1.000
3940	GROUND ROD 5/8"X8' COPPERWELD	1.000	0.000	1.000
4010	SCREW LAG 1/2"X4"	4.000	0.000	4.000
404	BOLT OVAL EYE 5/8"X12"GALV.	6.000	3.000	3.000
5417	STRAP KIT 2" FOR RISER STANDOFF BRACKET	4.000	1.000	3.000
5706	TIE SPOOL #2/0ACSR	1.000	0.000	1.000
5730	Tie Top 336.4 AAC F-Neck	6.000	0.000	6.000
5800	CONN CRIMPIT CU #6 SOL TO #4STR	6.000	6.000	0.000
605	BOLT MACHINE 5/8"X12"	11.000	0.000	11.000
6280	WEATHERHEAD CLAMP-ON ENT 2"	1.000	0.000	1.000
6400	WASHER, SPRING DBL COIL LOCK	17.000	4.000	13.000
6406	WASHER SQUARE 2-1/4"	17.000	3.000	14.000
799	BRACKET STANDOFF RISER POLE 12"	4.000	0.000	4.000

**Material Inventory Transactions:**

Charge Date	Item	Description	Location	Quantity	Amount
03/14/2018	10404	Wood Pole 40 foot class 4	1 - KPUB Warehouse	3.000	959.42
03/14/2018	10453	Wood Pole 45 foot class 3	1 - KPUB Warehouse	1.000	439.55
03/14/2018	1050	CABLE DPLX #6ACSR SHEPHERD	1 - KPUB Warehouse	1,000.000	202.13
03/14/2018	12015	Transfrm OH 10 KVA 120/240	1 - KPUB Warehouse	1.000	0.00



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# WORK ORDER ANALYSIS

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**Work Order: 3800905****Project:**

03/14/2018	1270	CLAMP GROUND ROD	1 - KPUB Warehouse	1.000	0.92
03/14/2018	1280	CLAMP GROUNDING TRANSFORMER	1 - KPUB Warehouse	1.000	3.45
03/14/2018	1300	CLAMP HOTLINE #8-2/0	1 - KPUB Warehouse	1.000	6.40
03/14/2018	1375	CLAMP STIRRUP #6-4/0	1 - KPUB Warehouse	1.000	8.98
03/14/2018	1390	CLAMP SVC WEDGE #2-6	1 - KPUB Warehouse	4.000	4.02
03/14/2018	1395	CLAMP SVC WEDGE #2/0-4/0	1 - KPUB Warehouse	2.000	3.76
03/14/2018	1400	Clevis one point rack	1 - KPUB Warehouse	1.000	2.21
03/14/2018	1580	CONDUIT 2" PVC SCH 80 10'	1 - KPUB Warehouse	30.000	28.02
03/14/2018	1815	Crossarm bronze fbrgls Tangent 8ft	1 - KPUB Warehouse	1.000	110.32
03/14/2018	183	ARRESTER 9KV TANK MOUNT BRACKE	1 - KPUB Warehouse	1.000	24.90
03/14/2018	1875	Cutout 100 AMP 15KV with fuse holder	1 - KPUB Warehouse	1.000	80.05
03/14/2018	2646	FUSE 2A TYPE X 10KVA	1 - KPUB Warehouse	1.000	4.35
03/14/2018	2777	Guard Wildlife distribution transformer	1 - KPUB Warehouse	1.000	6.29
03/14/2018	3004	INSULATOR PIN TYPE 55-4 13.5KV	1 - KPUB Warehouse	6.000	17.10
03/14/2018	3010	INSULATOR SPOOL 53-2, 3"	1 - KPUB Warehouse	1.000	0.58
03/14/2018	3450	Pole marking nail	1 - KPUB Warehouse	4.000	6.80
03/14/2018	3531	PIN X-ARM 1" NYLON HEAD	1 - KPUB Warehouse	2.000	6.80
03/14/2018	3541	PIN POLE TOP 20" 1" NYLON	1 - KPUB Warehouse	1.000	6.54
03/14/2018	3575	Pole bottom ground plate	1 - KPUB Warehouse	3.000	34.78
03/14/2018	3579	POLE TOPPER 16"	1 - KPUB Warehouse	3.000	40.74
03/14/2018	3940	GROUND ROD 5/8"X8' COPPERWELD	1 - KPUB Warehouse	1.000	8.66
03/14/2018	4010	SCREW LAG 1/2"X4"	1 - KPUB Warehouse	4.000	1.98
03/14/2018	404	BOLT OVAL EYE 5/8"X12"GALV.	1 - KPUB Warehouse	6.000	13.08
03/14/2018	5417	STRAP KIT 2" FOR RISER STANDOFF BR	1 - KPUB Warehouse	4.000	6.88
03/14/2018	5706	TIE SPOOL #2/0ACSR	1 - KPUB Warehouse	1.000	2.42
03/14/2018	5730	Tie Top 336.4 AAC F-Neck	1 - KPUB Warehouse	6.000	43.94
03/14/2018	5800	CONN CRIMPIT CU #6 SOL TO #4STR	1 - KPUB Warehouse	6.000	3.35
03/14/2018	605	BOLT MACHINE 5/8"X12"	1 - KPUB Warehouse	11.000	9.16
03/14/2018	6280	WEATHERHEAD CLAMP-ON ENT 2"	1 - KPUB Warehouse	1.000	4.15
03/14/2018	6400	WASHER, SPRING DBL COIL LOCK	1 - KPUB Warehouse	17.000	2.73
03/14/2018	6406	WASHER SQUARE 2-1/4"	1 - KPUB Warehouse	17.000	3.67
03/14/2018	799	BRACKET STANDOFF RISER POLE 12"	1 - KPUB Warehouse	4.000	73.81
03/31/2018		Overhead Distribution		0.000	143.77
04/16/2018	10453	Wood Pole 45 foot class 3	1 - KPUB Warehouse	-1.000	-439.55
04/16/2018	115	ADAPTER MOUNTING PHOTO CELL	1 - KPUB Warehouse	2.000	13.36
04/16/2018	12015	Transfrm OH 10 KVA 120/240	1 - KPUB Warehouse	-1.000	0.00
04/16/2018	1270	CLAMP GROUND ROD	1 - KPUB Warehouse	-1.000	-0.89
04/16/2018	1280	CLAMP GROUNDING TRANSFORMER	1 - KPUB Warehouse	-1.000	-3.45
04/16/2018	1300	CLAMP HOTLINE #8-2/0	1 - KPUB Warehouse	-1.000	-6.39
04/16/2018	1375	CLAMP STIRRUP #6-4/0	1 - KPUB Warehouse	-1.000	-8.98
04/16/2018	1400	Clevis one point rack	1 - KPUB Warehouse	-1.000	-2.19
04/16/2018	1580	CONDUIT 2" PVC SCH 80 10'	1 - KPUB Warehouse	-3.000	-2.80

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# WORK ORDER ANALYSIS

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**Work Order: 3800905****Project:**

04/16/2018	1720	CONTROL PHOTO ELECT 120V Long Life	1 - KPUB Warehouse	2.000	37.00
04/16/2018	183	ARRESTER 9KV TANK MOUNT BRACKE	1 - KPUB Warehouse	-1.000	-24.90
04/16/2018	1875	Cutout 100 AMP 15KV with fuse holder	1 - KPUB Warehouse	-1.000	-80.05
04/16/2018	2646	FUSE 2A TYPE X 10KVA	1 - KPUB Warehouse	-1.000	-4.35
04/16/2018	2777	Guard Wildlife distribution transformer	1 - KPUB Warehouse	-1.000	-6.29
04/16/2018	3004	INSULATOR PIN TYPE 55-4 13.5KV	1 - KPUB Warehouse	-6.000	-16.32
04/16/2018	3010	INSULATOR SPOOL 53-2, 3"	1 - KPUB Warehouse	-1.000	-0.59
04/16/2018	3531	PIN X-ARM 1" NYLON HEAD	1 - KPUB Warehouse	-2.000	-6.80
04/16/2018	3541	PIN POLE TOP 20" 1" NYLON	1 - KPUB Warehouse	-1.000	-6.54
04/16/2018	3575	Pole bottom ground plate	1 - KPUB Warehouse	-1.000	-11.59
04/16/2018	3579	POLE TOPPER 16"	1 - KPUB Warehouse	-1.000	-13.58
04/16/2018	3940	GROUND ROD 5/8"X8' COPPERWELD	1 - KPUB Warehouse	-1.000	-8.65
04/16/2018	4010	SCREW LAG 1/2"X4"	1 - KPUB Warehouse	-4.000	-1.98
04/16/2018	404	BOLT OVAL EYE 5/8"X12"GALV.	1 - KPUB Warehouse	-3.000	-6.26
04/16/2018	5417	STRAP KIT 2" FOR RISER STANDOFF BR	1 - KPUB Warehouse	-3.000	-5.16
04/16/2018	5706	TIE SPOOL #2/0ACSR	1 - KPUB Warehouse	-1.000	-2.95
04/16/2018	5730	Tie Top 336.4 AAC F-Neck	1 - KPUB Warehouse	-6.000	-43.94
04/16/2018	605	BOLT MACHINE 5/8"X12"	1 - KPUB Warehouse	-11.000	-9.13
04/16/2018	6280	WEATHERHEAD CLAMP-ON ENT 2"	1 - KPUB Warehouse	-1.000	-3.96
04/16/2018	6400	WASHER, SPRING DBL COIL LOCK	1 - KPUB Warehouse	-13.000	-2.34
04/16/2018	6406	WASHER SQUARE 2-1/4"	1 - KPUB Warehouse	-14.000	-3.55
04/16/2018	799	BRACKET STANDOFF RISER POLE 12"	1 - KPUB Warehouse	-4.000	-73.81
04/19/2018	1580	CONDUIT 2" PVC SCH 80 10'	1 - KPUB Warehouse	-27.000	-25.22
04/30/2018		Overhead Distribution		0.000	-74.60
<b>Total Charge:</b>				<u>1,039.000</u>	<u>1,469.26</u>

**Payroll/Labor Transactions:****Construction**

<u>Date</u>	<u>Empl</u>	<u>Name</u>	<u>Department</u>	<u>Hours</u>	<u>Amount</u>
03/31/2018	0			0.00	944.85
03/31/2018	7131	DAVID L BURLEY	5	26.00	1,315.54
03/31/2018	7197	TOMMY J GOODMAN	5	18.00	729.26
03/31/2018	7239	MICHAEL D MARTINEZ	5	26.00	794.32
03/31/2018	7252	TYREL M TRIESCH	5	26.00	730.43
04/30/2018	0			0.00	1,570.46
04/30/2018	7053	KENNETH W BECKER	5	3.00	138.01
04/30/2018	7131	DAVID L BURLEY	5	33.00	1,665.18
04/30/2018	7191	JOSHUA J WHITWORTH	5	3.00	119.21
04/30/2018	7197	TOMMY J GOODMAN	5	20.50	1,446.26
04/30/2018	7200	TREY G OWEN	5	3.00	119.07
04/30/2018	7239	MICHAEL D MARTINEZ	5	25.00	762.38

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# WORK ORDER ANALYSIS

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**Work Order: 3800905****Project:**

04/30/2018	7252	TYREL M TRIESCH	5	33.00	971.14
04/30/2018	7260	ANDRES VASQUEZ	5	7.00	224.24
<b>Total Construction:</b>				223.50	11,530.35

**Fleet Management Transactions:****Construction**

<u>Date</u>	<u>Fleet Asset</u>	<u>Description</u>	<u>Class</u>	<u>Miles/Hours</u>	<u>Amount</u>
03/31/2018	3241	2016 FORD F-350 EXTENDED CAB 4x4	1 - HEAVY TRUCKS > OR = 1 TON	27.00	256.50
03/31/2018	3249	2018 FREIGHTLINER BUCKET TRUCK	1 - HEAVY TRUCKS > OR = 1 TON	5.00	87.50
04/30/2018	3207	2006 FORD F-750 4X2 DIGGER-DERRIC	1 - HEAVY TRUCKS > OR = 1 TON	4.00	70.00
04/30/2018	3235	2014 FREIGHTLINER DIGGER-DERRIC	1 - HEAVY TRUCKS > OR = 1 TON	12.50	218.75
04/30/2018	3241	2016 FORD F-350 EXTENDED CAB 4x4	1 - HEAVY TRUCKS > OR = 1 TON	33.00	313.50
04/30/2018	3242	2016 DODGE 5500 BUCKET TRUCK	1 - HEAVY TRUCKS > OR = 1 TON	8.50	148.75
04/30/2018	3245	2017 FORD F-350 EXTENDED CAB 4x4	2 - LIGHT TRUCKS < 1 TON	3.00	28.50
04/30/2018	3249	2018 FREIGHTLINER BUCKET TRUCK	1 - HEAVY TRUCKS > OR = 1 TON	20.50	358.75
<b>Total Construction:</b>				113.50	1,482.25

**Purchase Order Transaction**

<u>Date</u>	<u>Purchase Order</u>	<u>Vendor</u>	<u>Name</u>	<u>Amount</u>
NO RECORDS FOUND				

**Accounts Payable Transactions:****Construction**

<u>Date</u>	<u>Invoice</u>	<u>Last Check/Tran</u>	<u>Pymts Applied</u>	<u>Vendor</u>	<u>Name</u>	<u>Amount</u>
03/08/2018	107708	127498	1	1269	MADDEN BOLT CORPORATION	1,478.00
04/05/2018	6035322537387627	127721	1	791	HOME DEPOT	48.57
04/05/2018	574812	127760	1	552	T.J. MOORE LUMBER YARD	63.85
04/05/2018	1718907-00	127674	1	191	DEALERS ELECTRICAL SUPPLY	538.35
04/05/2018	576008	127760	1	552	T.J. MOORE LUMBER YARD	676.29
04/05/2018	574786	127692	1	552	T.J. MOORE LUMBER YARD	42.54
04/05/2018	574797	127692	1	552	T.J. MOORE LUMBER YARD	35.00
04/12/2018	20180409085451	127756	1	1317	SCHEINEMAN, MICHAEL A	650.00
04/12/2018	31315	239	1	18552	NATIONAL TREE EXPERT CO., INC.	719.76
04/19/2018	576898	127800	1	552	T.J. MOORE LUMBER YARD	31.99
04/19/2018	576885	127800	1	552	T.J. MOORE LUMBER YARD	41.10
04/26/2018	20180426113612	127875	1	892	CARD SERVICE CENTER	284.16
05/10/2018	576473	127948	1	552	T.J. MOORE LUMBER YARD	152.79
<b>Total Construction:</b>						4,762.40

**Miscellaneous Receivable Transactions:**

<u>Date</u>	<u>Invoice</u>	<u>Customer</u>	<u>Account</u>	<u>Name</u>	<u>Amount</u>
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# WORK ORDER ANALYSIS

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Work Order: 3800905

Project:

NO RECORDS FOUND

**Cash Register Transactions:**

<u>Date</u>	<u>Reference</u>	<u>Amount</u>
NO RECORDS FOUND		

**General Ledger Transactions:****Construction**

<u>Date</u>	<u>Reference</u>	<u>Amount</u>
04/26/2018	s/b chgd to wo 3800905 po 17554	9,198.00
<b>Total Construction:</b>		9,198.00

**Work Order Transactions:****Construction**

Date	Reference	Chg CD	Description	Div	Acct	Dept	Actv	Amount
03/31/2018	Work Order Allocation	2	Labor	0	107.2	5	0	9.12
03/31/2018	Work Order Allocation	2	Labor	0	107.2	7	0	1,021.74
03/31/2018	Work Order Allocation	3	Labor Overhead	0	107.2	7	0	697.78
03/31/2018	Work Order Allocation	3	Labor Overhead	0	107.2	5	0	3.50
03/31/2018	Work Order Allocation	4	Other Trans/Outside Services	0	107.2	0	0	59.13
03/31/2018	Work Order Allocation	6	Transportation	0	107.2	7	0	8.28
03/31/2018	Work Order Allocation	6	Transportation	0	107.2	5	0	6.26
04/30/2018	Work Order Allocation	2	Labor	0	107.2	5	0	22.75
04/30/2018	Work Order Allocation	2	Labor	0	107.2	7	0	749.71
04/30/2018	Work Order Allocation	3	Labor Overhead	0	107.2	5	0	9.68
04/30/2018	Work Order Allocation	3	Labor Overhead	0	107.2	7	0	316.25
04/30/2018	Work Order Allocation	4	Other Trans/Outside Services	0	107.2	0	0	115.24
04/30/2018	Work Order Allocation	6	Transportation	0	107.2	5	0	6.12
04/30/2018	Work Order Allocation	6	Transportation	0	107.2	7	0	2.45
05/10/2018	Moved from 593.020 to WO	8	Non-Inventory Material/Outside Purcha	0	593.02	5	0	2,280.00
05/10/2018	Moved from 593.020 to WO	8	Non-Inventory Material/Outside Purcha	0	593.02	5	0	6,816.00
Total Construction:								12,124.01

**Work Order Totals By Charge Code:**

<u>Chg Cod</u>	<u>Description</u>	<u>Construction</u>	<u>Retirement</u>	<u>Total</u>
1	Store Inventory Material	12,776.09	0.00	12,776.09
2	Labor	9,551.16	0.00	9,551.16
3	Labor Overhead	4,809.72	0.00	4,809.72
4	Other Trans/Outside Services	1,544.13	0.00	1,544.13
6	Transportation	1,505.36	0.00	1,505.36
7	Material Overhead	69.17	0.00	69.17

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WORK ORDER  
ANALYSIS

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Work Order: 3800905

Project:

8	Non-Inventory Material/Outside Purcha	<u>10,310.64</u>	<u>0.00</u>	<u>10,310.64</u>
	Total WO Cost:	40,566.27	0.00	40,566.27

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# WORK ORDER ANALYSIS

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Work Order: 3800905

Project:

Name: CITY OF INGRAM

Revision: 1

Description: State Hwy 39 at Johnson Creek

Group: DEFAULT - DEFAULT WO GROUP

Type: New Construction

Status:

Loan Project: 37714

Work Plan:

Customer: 78575

Map Location: ingram bridge

Service Location: 0

MI Location:

Staked by:

Staked Date:

Open Date: 09/30/2018

Material Completed Date:

WO Completed Date:

Eng Review Date:

Processed Date:

Closed Date: 09/30/2018

Capitalized Date: 09/30/2018

Asset Group: ALL - ALL

Minimum Aid Amount: 0.00

Maximum Aid Amount: 0.00

BU Project: -

Engineering Codes:

Code	Description	Quantity	Amount
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## Assigned Assembly Units:

Assembly Unit	Description	Construction Qty	Retirement Qty
NO RECORDS FOUND			

## Assigned Assets:

Asset	Description	Construction Qty	Retirement Qty	Standard Cost	Average Cost
NO RECORDS FOUND					

## Staked Vs. Charged Quantity:

Item	Description	Staked	Charged	Difference
NO RECORDS FOUND				

## Material Inventory Transactions:

Date	Item	Description	Location	Quantity	Amount
NO RECORDS FOUND					

## Payroll/Labor Transactions:

	Hours	Amount
NO RECORDS FOUND		

## Fleet Management Transactions:

Date	Fleet Asset	Description	Class	Miles/Hours	Amount
NO RECORDS FOUND					

## Purchase Order Transaction

Date	Purchase Order	Vendor	Name	Amount
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# WORK ORDER ANALYSIS

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Work Order: 3800905

Project:

NO RECORDS FOUND

**Accounts Payable Transactions:**

<u>Date</u>	<u>Invoice</u>	<u>Last Check/Tran</u>	<u>Pymts Applied</u>	<u>Vendor</u>	<u>Name</u>	<u>Amount</u>
NO RECORDS FOUND						

**Miscellaneous Receivable Transactions:**

<u>Date</u>	<u>Invoice</u>	<u>Customer</u>	<u>Account</u>	<u>Name</u>	<u>Amount</u>
NO RECORDS FOUND					

**Cash Register Transactions:**

<u>Date</u>	<u>Reference</u>	<u>Amount</u>
NO RECORDS FOUND		

**General Ledger Transactions:**

<u>Date</u>	<u>Reference</u>	<u>Amount</u>
NO RECORDS FOUND		

**Work Order Transactions:**

Construction		----- Offset GL -----						
<u>Date</u>	<u>Reference</u>	<u>Chg CD</u>	<u>Description</u>	<u>Div</u>	<u>Acct</u>	<u>Dept</u>	<u>Actv</u>	<u>Amount</u>
09/30/2018	tree trimming moved to O & M	4	Other Trans/Outside Services	0	593.04	5	0	-719.76
<b>Total Construction:</b>								-719.76

**Work Order Totals By Charge Code:**

<u>Chg Cod</u>	<u>Description</u>	<u>Construction</u>	<u>Retirement</u>	<u>Total</u>
4	Other Trans/Outside Services	-719.76	0.00	-719.76
<b>Total WO Cost:</b>		-719.76	0.00	-719.76

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# WORK ORDER ANALYSIS

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**PARAMETERS ENTERED:****Work Order:** 3800905 1, 3800905 0**Period:** To**Format:** All**Open Fields:** No**Summary or Detail:** Detail**Total by Category:** No



**From:** [Dawn Lund](#)  
**To:** [Mike Wittler](#)  
**Subject:** RE: Streetlight Rate Question  
**Date:** Tuesday, December 3, 2013 1:01:47 PM  
**Attachments:** [Kerrville Pole Adder 12.3.13.pdf](#)

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Hi Mike,

Attached is a summary of our recommendation. There is little if any O&M for the pole so its Depreciation and ROR. The pole could be kept as a separate line item from the lamp. We would add a monthly "Pole Charge" to the street light (lamp) rate. You can use different types of poles costs with the same formula as well. There is also a 20 and 30 year example depending on what you want the payback time to be.

Please let me know if you want to review or have any questions.

Thanks,

*Dawn Lund*

Dawn Lund  
Vice President  
Utility Financial Solutions, LLC  
[dlund@ufswweb.com](mailto:dlund@ufswweb.com)  
[www.ufswweb.com](http://www.ufswweb.com)  
231.218.9664 Cell  
888.566.4430 Fax

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**From:** Mike Wittler [mailto:[mwittler@kpub.com](mailto:mwittler@kpub.com)]  
**Sent:** Tuesday, December 03, 2013 9:58 AM  
**To:** Dawn Lund  
**Subject:** RE: Streetlight Rate Question

Dawn,

Have you had a chance to take a look at this?

Thanks,

Mike Wittler  
COO and Assistant General Manager  
Kerrville Public Utility Board  
830-792-8270 office  
830-739-7834 cell

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**From:** Mike Wittler  
**Sent:** Thursday, November 14, 2013 11:35 AM  
**To:** 'Dawn Lund'  
**Subject:** Streetlight Rate Question

Dawn,

I hope you are doing well. I'm wondering if you guys help us with a streetlight rate question.

Our standard light rates include KPUB installing the fixture and service wire to the fixture. When a pole needs to be installed, we normally require the customer to provide it or pay us to install it.

We now have a request from the City to install the poles and include that cost in the lighting rate.

I'm looking at the cost of a pole installation to be \$1090 and the cost for conduit to be \$1330. I'm wanting to know what the appropriate adder to our rates would be for each of these.

It would be very helpful to get a rough idea rather quickly and also a feel for what additional information would be needed to do a more formal rate analysis.

Thanks,

Mike Wittler  
COO and Assistant General Manager  
Kerrville Public Utility Board  
830-792-8270 office  
830-739-7834 cell

## Street Lamp Pole Adder

	20 Yr Life		30 Yr Life	
Pole	\$	1,090	\$	1,090
Conduit		1,330		1,330
Install cost	\$	2,420	\$	2,420
Depr Rate		0.05		0.03
Annual Depr	\$	121.00	\$	80.67
Annual Inflationary increase				3%
Intrest Rate of required debt				2%
ROR (NBV = 50%)		5%		5%
Annual ROR	\$	60.50	\$	60.50
Annual Pole Cost	\$	181.50	\$	141.17
<b>Monthly Pole Cost</b>	<b>\$</b>	<b>15.13</b>	<b>\$</b>	<b>11.76</b>