

**MINUTES OF THE
KERRVILLE PUBLIC UTILITY BOARD
REGULAR MONTHLY MEETING
WEDNESDAY, NOVEMBER 18, 2020, AT 8:30 A.M.
WebEx Event 146 811 6361**

TRUSTEES PRESENT:

Bill Thomas
Philip Stacy
Mark Cowden
Larry Howard

STAFF PRESENT:

Mike Wittler, General Manager and CEO
Jill Sadberry, CFO
Tammye Riley, HR Manager
Gerald Bryla, Controller *(Via Teleconference)*
Ricardo Berrios, Interim Manager of Engineering
Allison Bueché, Interim Director of C.C.R
Damon Richardson, Purchasing Agent
Lidia S. Goldthorn, Assistant Secretary to the Board

TRUSTEES ABSENT:

Mayor Bill Blackburn

OTHERS PRESENT:

Stephen Schulte, Legal Counsel
Gilbert Salinas, KEDC *(Via Teleconference)*
Theresa Metcalf, KEDC *(Via Teleconference)*

1. CALL TO ORDER:

Mr. Bill Thomas, Chairman, called the Regular Monthly Meeting to order at 8:32 a.m.

2. PLEDGE OF ALLEGIANCE:

3. APPROVAL OF MINUTES:

The Trustees reviewed the minutes of the October 21, 2020, Regular Monthly Board Meeting. Larry Howard, Treasurer, motioned to approve the minutes as amended. Philip Stacy, Vice Chairman, seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

4. CITIZEN/CONSUMER OPEN FORUM:

There were no citizens/consumers to speak, either through teleconference, phone calls, written statements, or emails.

5. ANNOUNCEMENTS OF COMMUNITY INTEREST:

Mr. Wittler advised that employee Tyrel Triesch completed the Lineman Apprenticeship Program on November 13th. Reece Riley, Substation Relay and SCADA Technician, was the staff spotlight for the month. Reece has been with KPUB for four years. KPUB Crews have been installing the Courthouse Christmas Tree and new community Christmas street lights along Sidney Baker. The new Community Virtual Christmas Event will be held on Saturday, November 21st starting at 6:30 p.m. KPUB community involvement in the past month included Habitat Homeowner's Class, Mobile Food Pantry Event and a Weatherization Event with AACOG at Gibson's. Upcoming events include Salvation Army Bell Ringing on November 20th and December 11th; Community Blood Drive on December 3rd and Habitat Home Volunteer Day on December 5th. KPUB was one of forty-two public power electric utilities and utility organizations, that earned Excellence in Public Power Communications Awards from the APPA. Mr. Wittler advised the next regular board meeting is scheduled for December 16, 2020 at 8:30 a.m.

6. REPORT FROM THE KERRVILLE ECONOMIC DEVELOPMENT CORPORATION (KEDC) – GILBERT SALINAS, EXECUTIVE DIRECTOR:

Mr. Gilbert Salinas and Ms. Theresa Metcalf of the KEDC gave an annual report for FY2020-2021. Mr. Salinas went over KEDC's projects and activities delivered, including creating a portal for local industry needs; accessing funds for human capital/workforce; and identifying and encouraging entrepreneurs. He also went over planned and upcoming marketing targets. Mr. Salinas highlighted the national recognition Kerrville received regarding the Killdeer Mountain Manufacturing Project and the economic benefits for our community. Mr. Salinas advised they have introduced new investments to Kerrville through various corporate recruitment projects. He went over the flow of expenditures of the different projects they worked on this year. Mr. Salinas also went over a schedule of events, activities, workshops and programs they will be focusing on for 2021.

Ms. Metcalf reviewed the excellence awards received by KEDC from the International Economic Development Council recently, including three silver awards and one bronze award; which helped to boost their brand and image as well as receive national recognition. She also went over KEDC's month performance matrix in the various projects and activities previously mentioned. Chairman Thomas thanked Mr. Salinas and Ms. Metcalf for their report.

7. CONSIDERATION AND ACTION ON RESOLUTION NO. 20-20– JILL SADBERRY, CFO:

Ms. Sadberry presented this month's wire transfers for operating expenses to the Board. Mark Cowden, Secretary, motioned for approval of Resolution No. 20–20. Mr. Howard seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

8. FINANCIAL REPORT – JILL SADBERRY, CFO:

Ms. Sadberry presented the Financial Statements (unaudited) for the Fiscal Year 2020 through October 31, 2020. Ms. Sadberry reviewed the Statements and Balance Sheets for the month. She stated at October 31, 2020, operating expenses, excluding power cost, were below budget by \$250,583.04 or by 24.72%. The balance in the over-collected power cost was \$1,809,189.23. The balance in the Rate Stabilization Fund was \$1,896,917.91. The Debt Service coverage was 0.77 for the month and 0.77 for the Fiscal Year.

9. CONSIDERATION AND ACTION ON SEPTEMBER QUARTERLY FUNDS REPORT – JILL SADBERRY, CFO:

Ms. Sadberry presented the summary pages on the Quarterly Funds Report for the quarter ending September 30, 2020; which summarizes the fund investments. Ms. Sadberry advised KPUB is required by state law to present the quarterly report for the Board's acceptance after review by the Investment Committee. This item did not require a motion and second because it was being submitted for Board approval by the Investment Committee. Vote was by a show of hands. Motion carried 4 – 0.

10. CONSIDERATION AND ACTION ON RESOLUTION NO. 20-21 – JILL SADBERRY, CFO:

Ms. Sadberry advised that in March of 2019, the Board created the Emergency Repair, Replacement, and Contingency Fund. The Fund was established for the purpose of providing for emergency repairs and/or replacement of capital assets damaged by catastrophes, acts of God, or other disasters and to fund unforeseen capital infrastructure projects of the Board in excess of \$100,000.00 (so as to level the impact on electric tariffs from those unbudgeted capital infrastructure projects), or as otherwise approved by the Board upon recommendation from the Committee. Expenditures from this Fund could also be initiated upon official approval by the Board. She advised that in May of 2020, KPUB experienced three back to back storms that caused extensive damage to the KPUB distribution system in the amount of \$452,846.93. Staff recommended the approval of Resolution No. 20-21 so that funds can be transferred from the Emergency Repair, Replacement, and Continency Fund to the Revenue Fund in the amount of \$452,846.93 to replace unbudgeted monies spent. Staff also recommended the Fund be replenished within one (1) year from the effective date of the Resolution. Mr. Cowden motioned for approval of Resolution No. 20-21. Mr. Howard seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

11. APPROVAL AND REPORTING OF PURCHASES AND SALES:

A. Quote No. 2799 – Transformers (Damon Richardson, Purchasing Agent)

Mr. Richardson recommended approval of a purchase order to Stuart Irby Company, for a total of \$68,567.15 to purchase stock transformers. He advised six vendors submitted a bid. Award was based on price, transformer efficiency, and lead time. Mr. Richardson had provided supporting documents for the Board's reference.

B. Quote No. 2806 – Wood Distribution Poles (Damon Richardson, Purchasing Agent)

Mr. Richardson recommended approval of a blanket purchase order to Stuart Irby Company, in the amount of \$123,086.75 for the purchase of poles during the 2020/2021 budget year. He advised three quotes were sought and received. Award was based on low bid. Mr. Richardson had provided supporting documents for the Board's reference.

C. Schneider Engineering – Power Supply Planning (Mike Wittler, CEO)

Mr. Wittler recommended approval of a blanket purchase order for a total amount of \$60,000.00 to Schneider Engineering to provide power supply planning and support for FYE 2021. Mr. Wittler presented their proposal outlining the services that Schneider Engineering has been normally providing to KPUB. He added that in addition to the routine power supply planning activities, next year KPUB will start the process of issuing a Request for Proposal for load following energy supply to start in January 2024.

- D. Wood Pole Inspection and Treatment Services (Ricardo Berrios, Interim Manager of Engineering)

Mr. Berrios recommended approval of an annual purchase order to Osmose Utility Services, Inc., for the continuation of the three-year contract with the possibility of two (2) one-year extensions. He advised the initial contract award in November 2017 was after a competitive bid process, the evaluation which was attached for the Board's review. This year will start the first-year extension. The purchase order would be issued for \$92,000.00 for 2,282 poles at an estimated cost of \$40.32 per pole. Mr. Berrios advised the award of the contract and purchase order would allow KPUB to continue its preventative maintenance program for wood poles, which is based on a 10-year cycle. He also attached the past year's results for the Board's reference. Mr. Berrios reviewed a list of the number of poles and feeders for the 2020 inspection.

Mr. Howard motioned for approval purchases and sales. Mr. Stacy seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

12. CONSIDERATION AND ACTION ON IDENTITY THEFT POLICY AND PROCEDURES – ALLISON BUECHÉ, INTERIM DIRECTOR OF CUSTOMER & COMMUNITY RELATIONS:

Ms. Bueché advised that as part of KPUB's Identity Theft Prevention Program, the Customer Service Department verifies a customer's identity by running an ONLINE Information Utility Exchange report. For that purpose, KPUB has had an agreement in place with ONLINE Information Services since October of 2008. During the last twelve months, KPUB has processed 2,000 identity verification checks with zero issues. The total cost including monthly fees was \$3,960.00. The Identify Theft Committee met on November 12, 2020 to review the Identity theft Prevention Policies and Procedures. Based on that review, there is no recommendation for any changes to the existing program.

Mr. Cowden motioned for approval to continue under the current policy and procedures. Mr. Howard seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

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

Ms. Bueché advised the that the KPUB Change for Charity program fund continues to be well received with the majority of KPUB customers, and the partnership with St. Vincent de Paul continues smoothly as well. She advised there have been 634 residential customers opt-out of the program as of November 12, 2020. For the month of November, KPUB has granted \$4,336.91 in program funds to-date to 44 households. Ms. Bueché added that since the program's inception in July, a total of \$59,095.91 has been granted in bill payment assistance through the Change for Charity Fund to 357 families in the community.

14. CONSIDERATION AND ACTION ON EMPLOYEE INCENTIVE PLAN PAYMENTS FOR FY 2020 – TAMMYE RILEY, H.R. MANAGER:

Ms. Riley advised that annually, all KPUB employees not classified as management are eligible to participate in an incentive plan that provides additional motivation and incentive to achieve, or exceed, KPUB's set goals for the fiscal year as well as foster teamwork while obtaining these objectives. She advised the goals and objectives were established with verifiable measures of performance based on job positions and descriptions. She added that they are extremely proud of all the employee's hard work this

year, even in the face of COVID-19, in continuing to the success of KPUB in serving the community. Ms. Riley advised that this year, the seventh year for the employee incentive plan to be implemented, all forty-three eligible employees have qualified to receive incentive pay. She further advised that as with any organization, there are often times promotions, transfers and new hire events happen throughout the year. For these employees, a combination of payments for which s/he is eligible will be received prorated according to time spent in each position during the plan year. Ms. Riley provided an Employee Incentive Plan calculation for details. Ms. Riley requested approval of the incentive payout amount for FYE 2020 for a total award payout of \$45,266.86, which reflects 61.8% of the maximum award permitted.

Mr. Cowden moved to approve the Employee Incentive Plan payments as recommended. Mr. Howard seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

15. CONSIDERATION AND ACTION ON MANAGEMENT INCENTIVE PLAN PAYMENTS FOR FY 2020 – TAMMYE RILEY, H.R. MANAGER:

Ms. Riley advised KPUB management employees are eligible to participate in an incentive program which is designed to achieve or exceed KPUB's goals and objectives for the fiscal year; to establish objectively verifiable measures of performance and to foster teamwork among key members of management in attaining KPUB's strategic plans. Based on attainment of the Board established goals for the past fiscal year, the proposed payout for each individual as outlined in the plan was summarized for the Board's review. Ms. Riley had also provided a spreadsheet with additional supporting information for each position and goal.

Mr. Howard moved to approve the Management Incentive Plan payments as recommended. Mr. Cowden seconded the motion. Vote was by a show of hands. Motion carried 4 – 0.

16. UPDATE AND DISCUSSION ON COVID-19 – TAMMYE RILEY, HR MANAGER:

Ms. Riley gave an update on procedures with monitoring, screening and sanitizing efforts still being done and staff is encouraged to continue limiting contacts and exposure, as well as continuing to follow CDC guidelines. She advised each Department Head is meeting with their staff on a weekly basis. Ms. Riley advised the COVID-19 return committee continues to meet and review the procedures in place and what future procedures need to be done, including monitoring the COVID-19 vaccine and where to go from there. Board Members thanked Ms. Riley.

17. ADJOURNMENT

Chairman Thomas adjourned the Regular Board Meeting at 10:11 a.m.

Date Approved: _____

Bill Thomas, Chairman

ATTEST

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: December 09, 2020

SUBJECT: Agenda Item #5 - Resolution No. 20-23

Presented for your review, wire transfers for operating expenses.

I. WIRE TRANSFERS - Operating Expense

ERCOT-CRR Auction Invoice Paid November 12, 2020 Transfer from TexPool Investment Fund to ERCOT.	\$ 13,239.18
ERCOT-CRR Auction Invoice Paid November 18, 2020 Transfer from TexPool Investment Fund to ERCOT.	\$ 577.97
LCRA - Power Cost Billing 10/01/2020 to 10/31/2020 Paid November 30, 2020 Transfer from TexPool Investment Fund to LCRA.	\$ 538,407.07
CPS ENERGY - Power Cost Billing 10/01/2020 to 10/31/2020. Paid November 24, 2020 Transfer from TexPool Investment Fund to CPS ENERGY.	\$ 936,022.12
NEXTERA - Power Cost Billing 10/01/2020 to 10/31/2020. Paid November 20, 2020 Transfer from TexPool Investment Fund to NEXTERA.	\$ 485,088.00
CITY OF GARLAND - Power Cost Billing 10/01/2020 to 10/31/2020. Paid November 30, 2020 Transfer from TexPool Investment Fund to CITY OF GARLAND.	\$ 358,612.34
DG TEXAS SOLAR, LLC - Power Cost Billing 10/01/2020 to 10/31/2020. Paid November 23, 2020 Transfer from TexPool Investment Fund to DG TEXAS SOLAR, LLC.	\$ 45,032.25

II. WIRE TRANSFERS – Investments

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

<u>Date</u>	<u>Principal</u>
November 16, 2020	\$ 600,000.00
November 20, 2020	400,000.00
November 23, 2020	200,000.00
November 30, 2020	500,000.00
December 04, 2020	500,000.00
December 08, 2020	200,000.00

III. WIRE TRANSFERS - Payroll

Automated Clearing House for Pay Periods Ending:

November 13, 2020	\$ 103,381.71
November 25, 2020 (Incentive Payout)	\$ 40,822.44
November 27, 2020	\$ 104,906.50

IV. WIRE TRANSFERS - Payroll - Federal Reserve Bank

Federal Withholding and FICA for Period Ending:

November 13, 2020	\$ 36,597.50
November 25, 2020 (Incentive Payout)	\$ 21,443.92
November 27, 2020	\$ 36,043.84

V. WIRE TRANSFER - Comptroller of Public Accounts

2020 - Sales and Use Tax for November – Paid 12/04/2020	\$ 69,296.75
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VI. WIRE TRANSFER - TMRS and TML

Texas Municipal Retirement System (TMRS)


Retirement Plan Contribution for the month of November – Paid 12/01/2020	\$ 78,569.35
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Texas Municipal League (TML)

Monthly Premium - Medical, Dental, Vision and Life for the month of November – Paid 12/01/2020	\$ 55,054.69
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Cyber Liability Payment – Paid 12/08/2020

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. 20-23

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 16th day of December, 2020

Bill Thomas, Chairman

ATTEST:

Mark Cowden, Secretary

MEMORANDUM

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

From: Jill Sadberry

Date: December 09, 2020

Re: Agenda Item No. 6 – Resolution No. 20-24

Resolution No. 20-24 is presented for your consideration. This Resolution is a statement that confirms action taken by the Utility Board and makes an Open Meeting statement on the matters of authorized Bankers and Dealers.

This authorization is an annual requirement for our investment services under current Texas Statutes.

Sincerely,

A handwritten signature in black ink, appearing to read "Jill Sadberry", written in a cursive style.

Jill Sadberry

RESOLUTION NO. 20-24

A RESOLUTION OF THE KERRVILLE PUBLIC UTILITY BOARD APPROVING THE AUTHORIZED BROKERS AND DEALERS FOR INVESTMENT PURPOSES FOR THE SYSTEM.

WHEREAS, The Kerrville Public Utility Board has approved and executed agreements with Hilltop Securities, Inc., Local Government Investment Cooperative (LOGIC), and TexPool for investment services; and

WHEREAS, the Kerrville Public Utility Board wishes to continue the relationship with Hilltop Securities, Inc., LOGIC, and TexPool; now, therefore,

BE IT RESOLVED BY THE KERRVILLE PUBLIC UTILITY BOARD THAT:

Section 1. The Kerrville Public Utility Board approves Hilltop Securities, Inc., LOGIC, and TexPool as the Board's official authorized Brokers and Dealers.

Section 2. This Resolution shall take effect immediately from and after its passage for a period of one year from the approval date.

PASSED, APPROVED AND ADOPTED on this 16th day of December, 2020

Bill Thomas, Chairman

ATTEST:

Mark Cowden, Secretary

MEMORANDUM

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

From: Jill Sadberry

Date: December 09, 2020

Re: Agenda Item No. 7 — Financial Report

Operating loss for the month of November is \$21,771.16, which is below budget by \$26,716.84. Net loss for the month is \$13,632.70, which is below budget by \$15,743.30. Year to date operating loss is more than budget by \$254,007.35 and net income is below budget by \$271,462.03.

For the year, kWh sales are below budget by 5,983,162 kWhs, or by 8.56%.

At November 30, 2020, operating expenses, excluding power cost, are below budget by \$265,471.26 or by 13.08%.

The balance in the over collected power cost at November 30, 2020 was \$1,749,905.61.

The balance in the Rate Stabilization Fund is \$1,897,207.11.

Debt service coverage for November is 10.27. The coverage factor for the fiscal year is 6.06.

Sincerely,



Jill Sadberry
Chief Financial Officer



Kerrville Public Utility Board
Statement of Revenues, Expenses and Changes in Retained Earnings
November 30, 2020
(UNAUDITED)

	Comparison to Budget				Comparison to Last Year		
	Current Month	Current Month Budget Amount	Increase (Decrease)	% Inc (Dec)	Current Month Last Year Amount	Increase (Decrease)	% Inc (Dec)
OPERATING REVENUES:							
Residential	1,800,852.35	1,601,043.00	199,809.35	12.48%	1,841,447.13	(40,594.78)	-2.20%
Commercial/Industrial	1,344,970.84	1,486,038.00	(141,067.16)	-9.49%	1,555,244.44	(210,273.60)	-13.52%
Sales to Public Authorities	20,806.38	23,200.00	(2,393.62)	-10.32%	23,254.14	(2,447.76)	-10.53%
Other	35,296.45	38,450.00	(3,153.55)	-8.20%	25,339.22	9,957.23	39.30%
TOTAL OPERATING REVENUES	3,201,926.02	3,148,731.00	53,195.02	1.69%	3,445,284.93	(243,358.91)	-7.06%
OPERATING EXPENSES:							
Purchased Power	2,222,117.40	2,180,751.00	41,366.40	1.90%	2,363,260.62	(141,143.22)	-5.97%
Distribution	202,716.63	288,968.00	(86,251.37)	-29.85%	339,137.85	(136,421.22)	-40.23%
Customer Accounting	90,319.24	55,200.00	35,119.24	63.62%	59,601.51	30,717.73	51.54%
Customer Service & Informational	22,333.63	27,900.00	(5,566.37)	-19.95%	13,088.46	9,245.17	70.64%
Administrative Expenses	400,468.81	349,600.00	50,868.81	14.55%	347,586.97	52,881.84	15.21%
Franchise Fees - Ingram	2,303.03	2,300.00	3.03	0.13%	2,296.81	6.22	0.27%
Depreciation	283,622.66	294,500.00	(10,877.34)	-3.69%	283,722.52	(99.86)	-0.04%
Other	(184.22)	(2,000.00)	1,815.78	-90.79%	(7,613.97)	7,429.75	-97.58%
TOTAL OPERATING EXPENSES	3,223,697.18	3,197,219.00	26,478.18	0.83%	3,401,080.77	(177,383.59)	-5.22%
OPERATING INCOME	(21,771.16)	(48,488.00)	26,716.84	-55.10%	44,204.16	(65,975.32)	-149.25%
NONOPERATING REVENUES (EXPENSES):							
Revenue Fund, Constr, Emerg	6,908.46	7,517.00	(608.54)	-8.10%	32,461.10	(25,552.64)	-78.72%
Interest & Sinking Fund	0.68	88.00	(87.32)	-99.23%	120.46	(119.78)	-99.44%
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	(950.23)	-	(950.23)	#DIV/0!	-	(950.23)	#DIV/0!
AFUDC - Borrowed Funds	-	3,100.00	(3,100.00)	-100.00%	2,901.47	(2,901.47)	-100.00%
Other - net	(4,026.79)	4,700.00	(8,726.79)	-185.68%	428.05	(4,454.84)	-1040.73%
TOTAL NONOPERATING REVENUES (EXPENSES):	8,138.46	19,112.00	(10,973.54)	-57.42%	39,695.53	(31,557.07)	-79.50%
NET INCOME (LOSS)	(13,632.70)	(29,376.00)	15,743.30	-53.59%	83,899.69	(97,532.39)	-116.25%
RETAINED EARNINGS AT BEGINNING OF MONTH							
Plus: Contributions in Aid of Const.	22,754.18	9,000.00	13,754.18	152.82%	36,688.50	(13,934.32)	-37.98%
Less: General Fund Transfer - Regular	88,206.02	94,700.00	(6,493.98)	-6.86%	101,896.82	(13,690.80)	-13.44%
Less: General Fund Transfer - Special	-	-	-		-	-	
RETAINED EARNINGS AT END OF MONTH	69,395,408.46				68,432,370.62		
Percent of Net Income to Operating Revenue	-0.43%				2.44%		

Kerrville Public Utility Board
Statement of Revenues, Expenses and Changes in Retained Earnings
November 30, 2020
(UNAUDITED)

	Comparison to Budget				Comparison to Last Year		
	Year to Date	Year to Date	Increase	%	Year to Date	Increase	%
	Date	Budget	(Decrease)	Inc	Last Year	(Decrease)	Inc
		Amount		(Dec)	Amount		(Dec)
OPERATING REVENUES:							
Residential	3,327,087.56	3,251,170.00	75,917.56	2.34%	3,686,567.02	(359,479.46)	-9.75%
Commercial/Industrial	2,465,873.67	2,935,775.00	(469,901.33)	-16.01%	2,954,066.74	(488,193.07)	-16.53%
Sales to Public Authorities	41,574.25	46,400.00	(4,825.75)	-10.40%	46,433.37	(4,859.12)	-10.46%
Other	67,974.76	76,900.00	(8,925.24)	-11.61%	(38,892.39)	106,867.15	-274.78%
TOTAL OPERATING REVENUES	5,902,510.24	6,310,245.00	(407,734.76)	-6.46%	6,648,174.74	(745,664.50)	-11.22%
OPERATING EXPENSES:							
Purchased Power	4,427,548.85	4,315,805.00	111,743.85	2.59%	4,213,704.44	213,844.41	5.07%
Distribution	436,022.82	577,234.00	(141,211.18)	-24.46%	568,336.19	(132,313.37)	-23.28%
Customer Accounting	121,702.49	110,400.00	11,302.49	10.24%	98,428.10	23,274.39	23.65%
Customer Service & Informational	40,082.08	55,700.00	(15,617.92)	-28.04%	35,054.01	5,028.07	14.34%
Administrative Expenses	606,499.87	697,700.00	(91,200.13)	-13.07%	569,649.39	36,850.48	6.47%
Franchise Fees - Ingram	4,584.06	4,600.00	(15.94)	-0.35%	4,906.42	(322.36)	-6.57%
Depreciation	566,052.34	588,500.00	(22,447.66)	-3.81%	563,819.02	2,233.32	0.40%
Other	(10,280.92)	(4,000.00)	(6,280.92)	157.02%	(8,957.57)	(1,323.35)	14.77%
TOTAL OPERATING EXPENSES	6,192,211.59	6,345,939.00	(153,727.41)	-2.42%	6,044,940.00	147,271.59	2.44%
OPERATING INCOME	(289,701.35)	(35,694.00)	(254,007.35)	711.62%	603,234.74	(892,936.09)	-148.02%
NONOPERATING REVENUES (EXPENSES):							
Revenue Fund	15,316.17	15,034.00	1,282.17	8.53%	73,021.38	(56,705.21)	-77.66%
Interest & Sinking Fund	36.01	176.00	(139.99)	-79.54%	752.47	(716.46)	-95.21%
Reserve Fund							
Interest Inc-City of Kerrville	33,333.34	28,334.00	4,999.34	17.64%	30,000.00	3,333.34	
Interest Expense	(21,675.88)	(21,676.00)	0.12	0.00%	(23,074.63)	1,398.75	-6.06%
AFUDC - Borrowed Funds	-	6,200.00	(6,200.00)	#####	5,525.62	(5,525.62)	-100.00%
Other - net	(7,996.32)	9,400.00	(17,396.32)	-185.07%	911.52	(8,907.84)	-977.25%
TOTAL NONOPERATING REVENUES (EXPENSES):	20,013.32	37,468.00	(17,454.68)	-46.59%	87,136.36	(67,123.04)	-77.03%
NET INCOME (LOSS)	(269,688.03)	1,774.00	(271,462.03)	#####	690,371.10	(960,059.13)	-139.06%
RETAINED EARNINGS AT BEGINNING OF YEAR	69,843,094.49				67,949,781.61		
Plus: Contributions in Aid of Const	32,096.82	18,000.00	14,096.82	78.32%	57,117.36	(25,020.54)	-43.81%
Less: General Fund Transfer - Regular	168,690.97	188,900.00	(20,209.03)	-10.70%	214,899.45	(46,208.48)	-21.50%
Less: General Fund Transfer - Special	39,500.00	45,920.00	(6,420.00)	-13.98%	50,000.00	(10,500.00)	
RETAINED EARNINGS AT END OF YEAR	69,397,312.31				68,432,370.62		
Percent of Net Income to Operating Revenue	-4.57%				10.38%		

Kerrville Public Utility Board
Balance Sheets
November 30, 2020

	November 30, 2020 (Unaudited)	October 1, 2020		November 30, 2020 (Unaudited)	October 1, 2020
Assets			Liabilities and Equity		
Utility Plant:			Equity:		
Electric Plant in Service	86,468,687.03	84,757,080.78	Retained Earnings - Unreserved	69,395,408.46	69,843,094.49
Less: Accumulated Depreciation	(41,979,795.43)	(41,511,651.27)			
	44,488,891.60	43,245,429.51	Total Equity	69,395,408.46	69,843,094.49
Construction Work in Progress	2,882,261.02	4,386,813.55			
Net Utility Plant	47,371,152.62	47,632,243.06			
Restricted Assets:			Liabilities:		
Cash and Cash Equivalents:			Long-Term Debt:		
Customer Deposits	517,296.00	523,276.00	2013 Revenue Bonds		
Total Cash and Cash Equivalents	517,296.00	523,276.00	Net of Current Portion	3,268,000.00	3,680,000.00
Investments:			Plus: Unamortized Premium	-	-
2013 Bond Construction Fund	-	-	Less: Unamortized Refunding Charge	-	-
Interest and Sinking Fund	44,711.01	423,697.43			
Emergency, Repair, Replace, Conting Fund	3,535,075.19	3,534,535.21	Pension Liability	1,445,475.00	1,445,475.00
L.T. Rate Stabilization Fund:	723,693.39	723,583.07	Total Long-Term Debt	4,714,475.00	5,125,475.00
Total Investments	4,303,479.59	4,681,815.71			
Total Restricted Assets	4,820,775.59	5,205,091.71	Current Liabilities Payable		
Current Assets:			from Restricted Assets:		
Revenue Fund:			Current Portion of 2013 Revenue Bonds	411,000.00	401,000.00
Cash and Cash Equivalents	376,404.31	591,034.51	Accrued Interest Payable	10,460.33	56,077.75
Investments - Less: Customer Deposits	10,510,688.41	10,485,175.65	Customer Deposits	517,296.00	523,276.00
Total Revenue Fund	10,887,092.72	11,076,210.16	Interest on Customer Deposits	13,191.95	11,564.40
Construction Fund:				951,948.28	991,918.15
Cash and Cash Equivalents	5,069.79	5,067.68	Current Liabilities:		
Investments	1,658,772.41	1,658,519.20	Accounts Payable - Power Suppliers	2,172,907.32	2,165,917.04
Total Construction Fund	1,663,842.20	1,663,586.88	Accounts Payable and Accrued Liab's	744,198.58	1,220,722.13
Rate Stabilization Fund:			Over Collection of Power Cost Adj Revs	1,749,905.61	1,983,317.71
Cash and Cash Equivalents	-	-		4,667,011.51	5,369,956.88
Investments	1,897,207.11	1,896,917.91			
Total Rate Stabilization Fund	1,897,207.11	1,896,917.91	Total Liabilities	10,333,434.79	11,487,350.03
ERCOT CRR Auction Funds	419,825.92	279,826.49			
Customer Accounts Receivable,			Deferred Credits		
Net of Allowances	2,724,257.29	3,721,152.41	Deferred Inflows of Resources-Pension	2,540,816.00	2,540,816.00
Materials and Supplies	998,821.27	1,011,261.27			
Other	1,014,235.00	912,521.10	Total	82,269,659.25	83,871,260.52
Total Current Assets	19,605,281.51	20,561,476.22			
Deferred Debits					
Deferred Outflow of Resources	1,972,449.53	1,972,449.53			
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	82,269,659.25	83,871,260.52			

Kerrville Public Utility Board
Detail of Fund Balances from Funds Invested in Government Securities For the Month Of
November 2020

		Restricted						Total	
		Revenue	Construction	Rate	Long Term	Debt	Interest &	Emergency,	Funds
		Fund	Fund	Stabilization	Rate Stabil.	Reserve	Sinking	Repair, Replace	Invested
		Fund	Fund	Fund	Fund	Fund	Fund	& Contingency Fund	
Beginning of the Month Balance		11,005,254.81	1,660,976.07	1,897,072.61	723,642.08	-	467,768.18	3,556,504.67	19,311,218.42
Maturities and/or Withdrawals:									-
TEXPOOL-TML Insurance	11/2/2020	(53,119.56)							(53,119.56)
TEXPOOL-TMRS	11/9/2020	(94,246.42)							(94,246.42)
TEXPOOL-LCRA	11/30/2020	(538,407.07)							(538,407.07)
TEXPOOL-CPS Energy	11/24/2020	(936,022.12)							(936,022.12)
TEXPOOL-NextEra	11/20/2020	(485,088.00)							(485,088.00)
TEXPOOL-ERCOT	11/12/2020	(13,239.18)							(13,239.18)
TEXPOOL-ERCOT	11/18/2020	(557.97)							(557.97)
TEXPOOL-City of Garland	11/30/2020	(358,612.34)							(358,612.34)
TEXPOOL-DG Southwest Solar LLC	11/23/2020	(45,032.25)							(45,032.25)
TEXPOOL-Withdrawal to Chkg									-
TEXPOOL-Pay Debt Service	11/1/2020						(468,293.30)		(468,293.30)
Hunt Emergency Transformer Replacement		-	-						-
Replenish Rev Fund for Storm Damages									-
Per Resolution 20-21	11/30/2020	452,846.93						(452,846.93)	-
Investments:									-
TEXPOOL	11/5/2020	300,000.00							300,000.00
TEXPOOL	11/6/2020	400,000.00							400,000.00
TEXPOOL	11/9/2020	200,000.00							200,000.00
TEXPOOL	11/16/2020	600,000.00							600,000.00
TEXPOOL	11/20/2020	400,000.00							400,000.00
TEXPOOL	11/23/2020	200,000.00							200,000.00
TEXPOOL	11/30/2020	500,000.00							-
TEXPOOL									-
TEXPOOL									-
TEXPOOL									-
TEXPOOL									-
TEXPOOL									-
Transfer City Interest Payment		11,533,776.83	1,660,976.07	1,897,072.61	723,642.08	-	(525.12)	3,103,657.74	18,418,600.21
Allocation of:									
no int earned to the separate funds		828.94	117.76	134.50	51.31	-	0.68	250.09	1,383.27
Transfer of interest to I & S Fund									
Interest Receivable (accrued on CD)		3,809.59						1,643.84	5,453.43
Interest Receivable (accrued on CD)		(38,087.68)							(38,087.68)
									-
									-
Tot Fund Bal after int allocation & Xfer		11,500,327.68	1,661,093.83	1,897,207.11	723,693.39	-	(524.44)	3,105,551.67	18,387,349.23
Interfund transfers	11/25/20	(44,675.00)					44,675.00		-
Total Fund Balance at End of Month		11,455,652.68	1,661,093.83	1,897,207.11	723,693.39	-	44,150.56	3,105,551.67	18,387,349.23



Kerrville Public Utility Board
Computation of the Monthly and Year to Date Debt Service Coverage
For the Month Ended November 30, 2020

Description	Current Month	Fiscal Year	Previous Twelve Months
Net Income	\$ (13,632.70)	\$ (271,591.88)	\$ 2,903,567.19
Plus:			
Interest Expense (net of amortizations & AFUDC)	21,675.88	32,891.43	106,743.36
Depreciation Expense	566,052.34	848,482.02	3,716,849.38
Amortization of Acquisition Adjustment	-	-	-
Miscellaneous Amortizations	-	-	-
Numerator	<u>574,095.52</u>	<u>609,781.57</u>	<u>6,727,159.93</u>

DIVIDED BY:

Interest Expense (net of amortizations)	21,675.88	32,891.43	106,743.36
Principal Payment Due	<u>34,250.00</u>	<u>67,666.67</u>	<u>402,666.67</u>
Denominator	<u>55,925.88</u>	<u>100,558.10</u>	<u>509,410.03</u>

Debt Service Coverage Ratio	10.27	6.06	13.21
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Minimum Requirement per Bond Covenant	1.35	times Debt Service
Minimum Requirement Established by KPUB Board for Good Business Practices Kerrville Public Utility Board	1.65	times Debt Service

MEMORANDUM

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

From: Howard Hall

Date: December 16, 2020

Re: Agenda Item No. 8 – Approval and Reporting of Purchases and Sales

Presented for your consideration and review are the recommendations for purchase of goods or services.

- A. Fleet Purchase.** Staff is recommending the approval of a purchase order to Terex Utilities Inc., for a total of \$208,000 to purchase a 2020 Freightliner truck with a new Terex Commander 4047 model digger-derrick.. We received two quotes on this type of machine. Terex Utilities Inc quoted \$208,000 and Altec Industries quoted \$198,140 for the truck and unit. The Terex unit that was quoted is normally priced at \$290,000 but this is a demo that they are wanting to sell before the end of this calendar year which allowed for the large reduction in price. The unit has more lifting capacity than the Altec and safety features including a thinner boom for better visibility and the option for radio control so that the unit can be operated from the ground. This unit will replace Unit 3218 2008 Ford F-750 Digger Derrick with approximately 42,000 miles and 3000 PTO hours. A total of \$230,000.00 was budgeted for this purchase. Attached are the two quotes.
- B. Construction Services.** Staff recommends approval of a purchase order to LineTec Services for \$50,000 for the primary purpose of replacing utility poles that failed inspection, but may include other distribution, substation, or communication projects. This will allow KPUB to have work performed as the need arises without having to bid each project individually. The price sheet from LineTec is attached. Greenstone has not provided new pricing as requested. Once we have received pricing from all contractors, we will ask for two purchase orders not to exceed \$500,000 each. We plan to have two contractors on board so that we can evaluate pricing on a per job basis and determine the best value. Two contractors will also give us a backup in case one is unable to perform. This will also secure set pricing for contractor assistance should emergency response be needed.

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

Sincerely,

Howard Hall

**TEREX®**

Customer Order Acknowledgement

Terex Utilities, Inc. - 200 Eden Way - Whitehouse, TN 37188 - Phone: 605-882-4000 - Fax: 605-882-1842

Date: December 9, 2020

All Stock Trucks Are Subject To Prior Sale

Company: Kerrville Public Utility Board

Address: 2250 Memorial Blvd.

Phone: 830-739-5983

City, State: Kerrville, TX 78028

Contact: Howard Hall

Email: hhall@kpub.com

TEREX Quote #: QU11493

Stock Truck or Slot #: DK66034

Baseline Price: \$ 208,000.00

FET Tax Estimate: \$ 0.00

Grand Total: \$ 208,000.00

Prices are subject to change until shipment. Applicable taxes and surcharges will be added. Taxes, shipping & handling and lead times are estimates and subject to change. Quoted prices are based on total quoted package and subject to change if all items not purchased. All prices quoted are in U.S. dollars unless otherwise specified. Payment by cash or certified check only. Chassis payment is due upon chassis receipt at our facility. Quote withdrawn after 30 days

Please ensure the accuracy of the specifications and drawings you provide. Changes made after receipt of order may incur additional charges. If you are trading equipment in, you warrant that: You have good title to the trade-in; it is free of all liens and encumbrances; all information you have provided related to the trade-in is true and correct.

Notes:

- 1) Delivery Terms are: FCA, Shipping Point, prepaid and included
- 2) Terms: Net 30 days
- 3) Delivery days from receipt of order shall be 13 days

Buyer hereby submits its offer to purchase the Products in this Quotation, subject to acceptance by Seller.

Buyer has read and agrees to all of Seller's attached Terms and Conditions of Sale. Please fax completed form to your Account Manager

Terex Utilities Inc.

Wade Smith

Account Manager:

Wade Smith

Accepted By: _____

PO Number: _____

Grand Total: _____

Date: _____

TERMS AND CONDITIONS OF SALE
TEREX SOUTH DAKOTA, INC./TEREX UTILITIES, INC.
U.S. and CANADA (except Quebec)

1. Terms and Conditions. The provision by Seller to Buyer of any Equipment or Parts (collectively referred to as "Products") shall be exclusively governed by these Terms and Conditions of Sale ("Terms and Conditions") and Seller's sales order acknowledgement (collectively referred to as "Agreement"). This Agreement cancels and supersedes any and all terms and conditions previously issued by Seller and shall remain in effect unless and until superseded in writing by Seller. Acceptance of an order for Products by Seller shall be deemed to constitute a binding agreement between the parties pursuant to these Terms and Conditions and Buyer agrees that the order may not thereafter be countermanded or otherwise changed without the explicit prior written consent of Seller. No other terms and conditions shall apply, including the terms of any purchase order submitted to Seller by Buyer, whether or not objected to by Seller or whether or not such terms are inconsistent or conflict with or are in addition to these Terms and Conditions. These Terms and Conditions shall be deemed accepted by Buyer if any of the following occurs: (i) if confirmed by Buyer, (ii) if undisputed by Buyer within ten (10) days after receipt, or (iii) if Seller delivers Products to Buyer. Any communication construed as an offer by Seller and acceptance thereof is expressly limited to these Terms and Conditions. The Products are intended for industrial/commercial use by professional contractors and their trained employees and are not intended for use by consumers.

2. Terms of Payments. Payment for Products purchased by Buyer shall be made in accordance with any of the following terms, provided they have been previously arranged with and expressly approved by Seller in writing: (1) cash in advance; (2) confirmed, irrevocable letter of credit established in such amount and form and at such time and at such bank as shall be approved by Seller in respect of each order; (3) credit account purchases for which payment will be due and payable on net thirty (30) day terms, plus service and other charges applicable to past due amounts in accordance with Seller's written notices; or (4) other payment arrangements expressly approved by Seller in writing prior to or at the time the order is placed. If any Buyer credit account purchase is not paid in accordance with Seller's credit payment terms, in addition to any other remedies allowed in equity or by law, Seller may refuse to make further shipments without advance payment by Buyer. Nothing contained herein shall be construed as requiring Seller to sell any Products to Buyer on credit terms at any time, or prohibiting Seller from making any and all credit decisions which it, in its sole discretion, deems appropriate for Seller. Seller shall have the right, at its option, to charge interest on all amounts not paid when due and Buyer agrees to pay such interest calculated on a daily basis, from the date that payment was due until the Seller receives payment in full, at the rate of 1.5% per month or the maximum rate permitted by applicable law. Unless otherwise agreed in writing between Seller and Buyer, Seller may, in its sole discretion, increase or decrease the price of any Product, as Seller deems reasonably necessary, at any time prior to shipment and invoice Buyer for the same. If Buyer orders the chassis through Seller, the chassis payment is due upon receipt of chassis by Seller and the balance owed for the completed unit is due in accordance with agreed upon payment terms. When supplied by Buyer, Seller will inspect the chassis upon receipt and will notify Buyer of any chassis mounted components (including but not limited to fuel tanks, air tanks, battery boxes and exhaust systems) that require relocation. Buyer will be invoiced for such work upon completion of the finished Equipment.

3. Taxes and Duties. Unless otherwise noted, prices quoted do not include taxes or duties of any kind or nature. Buyer agrees that it will be responsible for filing all tax returns and paying applicable tax, duty, export preparation charge and export documentation charge resulting from the purchase of the Products. In addition, in the event any other similar tax is determined to apply to Buyer's purchase of the Products from Seller, Buyer agrees to indemnify and hold Seller harmless from and against any and all such other similar taxes, duties and fees. All prices quoted are U.S. dollars unless otherwise specified. The amount of any present or future taxes applicable to the sale, transfer, lease or use of the Products shall be paid by Buyer; or in lieu thereof, Buyer shall provide Seller with a tax exemption certificate satisfactory to the applicable taxing authority proving that no such tax is due and payable upon such sale, transfer, lease or use.

4. Title, Property, Risk and Delivery. Unless otherwise stated in writing, for all intra-continental United States shipments, all prices and delivery are FCA, point of manufacture (Incoterms 2010); for all other shipments, all prices and delivery are FAS, named port of shipment (Incoterms 2010). Title and all risk of loss or damage to Products shall pass to Buyer upon delivery, as per Incoterms 2010. Any claims for loss, damage or delay in transit must be entered and prosecuted by the Buyer directly with the carrier, who is hereby declared to be the agent of the Buyer. Seller shall not be liable for any delay in performance of this agreement or delivery of the Products, or for any damages suffered by Buyer by reason of delay, when the delay is caused, directly or indirectly, by a force majeure event described in Section 20 herein or any other cause beyond Seller's control. Claims for shortages in shipments shall be deemed waived and released by Buyer unless made in writing within five (5) days after Buyer's receipt of shipment. Seller's responsibility for shipment shall cease upon delivery of the Products to the place of shipment, and all claims occurring thereafter shall be made to or against the carrier by Buyer. Delivery shall generally be 240 to 270 days after receipt by Seller of a signed Order, provided that, where applicable: (1) Seller receives the chassis a minimum of 90 days prior to scheduled delivery, (2) drawings are timely sent by Buyer and the approved drawings are returned to Seller by Buyer by the requested date, (3) all vendor-supplied components and Buyer-supplied accessories are received by Seller by the date necessary to comply with scheduled delivery. Seller shall not be liable for any delay in performance of this agreement or delivery of the Products, or for any damages suffered by Buyer by reason of delay, when the delay is caused, directly or indirectly, by a force majeure event described in Section 20 herein or any other cause beyond Seller's control. Claims for shortages in shipments shall be deemed waived and released by Buyer unless made in writing

within fifteen (15) days after Buyer's receipt of shipment. Seller's responsibility for shipment shall cease upon delivery of the Parts and or Equipment to the place of shipment, and all claims occurring thereafter shall be made to or against the carrier by Buyer.

5. Delays Caused By Buyer. In the event of a delay in shipment or delivery due to delay by Buyer in furnishing delivery instructions, arranging a method of payment satisfactory to Seller, submitting valid import permits or licenses, or any other delay caused by Buyer or at Buyer's request, if the Products are not shipped or delivered within five (5) days from the first date they are ready to be shipped or delivered, then Seller shall be entitled to charge, as compensation, any additional costs incurred related to such delay. If the Products are not shipped or delivered by the date which is ten (10) days from the first date they are ready to be shipped or delivered, then Buyer's order shall be deemed cancelled and Seller may, in its sole discretion, sell such Products to another buyer without any liability or responsibility to Buyer whatsoever. Seller shall have the right to keep payments on account already received from Buyer, and the difference between the sales price (increased by any other and all further costs, including but not limited to attorney's fees and expenses, storage and other costs, and interest accrued thereon) and the price received from another buyer shall constitute a debt of Buyer and bear interest at the same rate set forth in Section 2 herein. Seller shall be entitled to claim for any further damages suffered as a consequence of Buyer's breach of its obligations hereunder.

6. Cancellation. Prior to delivery to place of shipment, a Product order may be cancelled only with Seller's prior consent and upon terms indemnifying Seller from all resulting losses and damages. Seller shall have the right to cancel and refuse to complete a Product order if any term and/or condition governing this agreement is not complied with by Buyer. In the event of cancellation by Seller, or in the event Seller consents to a request by Buyer to stop work or to cancel the whole or any part of any order, Buyer shall, in the event that Seller asks Buyer to do so, make reimbursement to Seller, as follows: (i) any and all work that can be completed within thirty (30) days from date of notification to stop work on account of cancellation shall be completed, shipped and paid in full; and (ii) for work in progress and any materials and supplies procured or for which definite commitments have been made by Seller in connection with the order, Buyer shall pay such sums as may be required to fully compensate Seller for actual costs incurred, plus fifteen percent (15%). Buyer may not cancel any order after Seller's delivery to place of shipment. Orders for "Special" Equipment may not be cancelled after acceptance, except by Seller. Items of "Special" Equipment are those that differ from standard Seller specifications, have a limited market, or incorporate specifications that have been determined for a specific application. Determination of whether an item of Equipment is "Special" shall be made by Seller in its sole discretion.

7. Inspection and Acceptance. Buyer agrees that it shall inspect the Products immediately after receipt and promptly (in no event later than fifteen (15) days after receipt) notify Seller in writing of any non-conformity or defect. Buyer further agrees that failure to give such prompt notice or the commercial use of the Products shall constitute acceptance. Acceptance shall be final and Buyer waives the right to revoke acceptance for any reason, whether or not known by Buyer at the time of such acceptance. The giving of any such notice by Buyer shall automatically cause the provisions of Seller's warranty to apply and govern the rights, obligations and liabilities of the parties with respect to such nonconformity or defect, provided under no circumstances shall rejection give rise to any liability of Seller for incidental or consequential damages or losses of any kind. Seller shall not be bound by any agent's, employee's or any other representation, promise or inducement not set forth herein. Seller's catalogues, technical circulars, price lists, illustrations, drawings and any other similar literature are for Buyer's general guidance only and the particulars contained in them shall not constitute representations by Seller and Seller shall not be bound by them.

8. Warranty for New Products. Seller warrants its new Equipment and Parts manufactured and sold worldwide, to be free, under normal use and service, of any defects in material or workmanship for a period of twelve (12) months from the date of delivery (as limited by Seller's Limited Product Warranty); provided that Buyer sends Seller written notice of the defect within thirty (30) days of its discovery and establishes that: (i) the Equipment has been operated and maintained in strict compliance with Seller's operating and maintenance manuals ; and (ii) the defect did not result in any manner from the intentional or negligent action or inaction of Buyer, its agents or employees and (2) a new machine registration certificate has been completed, signed and delivered to the Seller within thirty (30) days of the Equipment's "in-service" date. If requested by Seller, Buyer must return any defective Product to Seller's manufacturing facility, or other location designated by Seller, for inspection, and if Buyer cannot establish that conditions (i) and (ii) above have been met, then this warranty shall not cover the alleged defect. Failure to give written notice of defect within such period shall be a waiver of this warranty and any assistance rendered thereafter shall not extend or revive it. Accessories, assemblies and components included in the Products of Seller, which are not manufactured by Seller, are subject to the warranty of their respective manufacturers. This warranty shall not cover any item on which serial numbers have been altered, defaced or removed. Maintenance and wear parts are not covered by this warranty and are the sole maintenance responsibility of Buyer. This warranty is limited to the original purchaser or end-user if sold to a distributor, and is not assignable or otherwise transferable without written agreement of Seller. **THIS WARRANTY IS EXPRESSLY IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) AND ALL OTHER OBLIGATIONS OR LIABILITY ON SELLER'S PART. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY CONTAINED HEREIN.** Seller neither assumes nor authorizes any other person to assume for Seller any other liability in connection with the sale of Seller's Products. This warranty shall not apply to any of Seller's Products or any part thereof which has been subject to misuse, alteration, abuse, negligence, accident, acts of God or sabotage. No action by either party shall operate to extend or revive this limited warranty without prior written consent of Seller.

9. Warranty for Used Equipment. Used Equipment sold hereunder is sold on an "AS IS, WHERE IS, WITH ALL FAULTS" BASIS WITH NO WARRANTIES WHATSOEVER, EXCEPT AS TO TITLE, UNLESS OTHERWISE SPECIFICALLY AGREED IN WRITING BY BUYER AND SELLER. SELLER ASSUMES NO RESPONSIBILITY FOR THE CONDITION, SAFETY, LEGAL COMPLIANCE, OR USABILITY OF THE USED EQUIPMENT AND MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE USED EQUIPMENT INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER MAKES NO REPRESENTATION OR WARRANTY REGARDING THE CONDITION OF THE USED EQUIPMENT, NOR THE SUFFICIENCY OF ANY WARNINGS, INSTRUCTIONS OR MANUALS PROVIDED WITH THE USED EQUIPMENT. Seller recommends and Buyer acknowledges that Buyer should contact the original manufacturer to obtain all available information for the used Equipment, including but not limited to product manuals, warnings, safety bulletins, recall notices, and instructional placards before using the used Equipment. Seller shall not be responsible for providing such information. Buyer agrees not to assert any claims against Seller with respect to the used Equipment or its use. Buyer agrees that it shall inspect the used Equipment prior to issuance of a purchase order for such Equipment and acknowledges that it is not relying upon any photographs, images, videos, representations, statements or other assertions made by Seller with respect to the used Equipment's condition, but is relying upon its own knowledge and/or inspection of the used Equipment.

10. Remedies for Breach. IN THE EVENT OF ANY BREACH OF THE WARRANTY BY SELLER, THE PARTIES AGREE THAT SELLER'S LIABILITY SHALL BE LIMITED EXCLUSIVELY TO THE REMEDIES OF REPAIR OR REPLACEMENT (AT SELLER'S SOLE DISCRETION) OF ANY DEFECTIVE EQUIPMENT COVERED BY THE WARRANTY. In no event shall any repair or replacement of any defective equipment covered by the Seller's warranty extend the length of the warranty beyond the period specified in Section 8 herein.

11. Limitation of Liability. NOTWITHSTANDING ANYTHING CONTAINED IN THIS AGREEMENT TO THE CONTRARY, SELLER AND ITS AFFILIATES SHALL NOT BE LIABLE FOR, AND SPECIFICALLY DISCLAIM, ANY LIABILITY FOR ANY: (A) LOST PROFITS AND/OR BUSINESS INTERRUPTION (WHETHER DIRECT OR INDIRECT); AND (B) INDIRECT, INCIDENTAL, CONSEQUENTIAL (WHETHER DIRECT OR INDIRECT) OR OTHER DAMAGES OR LOSSES OF ANY KIND WHATSOEVER, including, without limitation, labor costs, lost profits, loss of use of other equipment, third party repairs, personal injury, emotional or mental distress, improper performance or work, penalties of any kind, loss of service of personnel, or failure of Products to comply with any federal, state, provincial or local laws, regardless of whether arising from a breach of contract, or warranty, legal claims or otherwise. **Nothing in this Section shall operate to exclude Seller's liability for death or personal injury when directly related to Seller's negligent act or omission.**

12. Limitation of Actions. Any action for breach of this agreement must be commenced within one (1) year after the cause of action has accrued.

13. Specification Changes. In the event Seller incurs additional expense because of changes in specifications or drawings previously approved by Buyer, or in the event Seller is required to modify the ordered Equipment, perform any additional work or supply any additional Products, the additional expense shall be added to the purchase price. Buyer must submit to Seller a revised purchase order specifying any and all requested changes. Upon receipt of Buyer's revised purchase order, Seller shall have the right, in its sole discretion, to accept or reject any changes in specifications requested by Buyer.

14. Trade-in Offers. Trade-in offers are subject to Seller's inspection and acceptance of the equipment, which must have been maintained to U.S. Department of Transportation operating and safety standards. All accessories on the equipment, including without limitation jibs, winches, pintle hooks and trailer connectors, must remain with the equipment unless otherwise agreed by Seller and Buyer in writing. Seller reserves the right to cancel any trade-in offers or agreements if these conditions are not met, or if Buyer has misrepresented any information about the trade-in unit.

15. Insurance. Until the purchase price of any Products is paid in full, the Buyer shall provide and maintain insurance equal to the total value of the Equipment delivered hereunder against customary casualties and risks; including, but not limited to fire and explosion, and shall also insure against liability for accidents and injuries to the public or to employees, in the names of Seller and Buyer as their interest may appear, and in an amount satisfactory to Seller. If the Buyer fails to provide such insurance, it then becomes the Buyer's responsibility to notify the Seller so that the Seller may provide same; and the cost thereof shall be added to the contract price. All loss resulting from the failure to affect such insurance shall be assumed by the Buyer.

16. Patents, Copyrights, Trademarks, Confidentiality. No license or other rights under any patents, copyrights or trademarks owned or controlled by Seller or under which Seller is licensed are granted to Buyer or implied by the sale of Products hereunder. Buyer shall not identify as genuine products of Seller products purchased hereunder which Buyer has treated, modified or altered in any way, nor shall Buyer use Seller's trademarks to identify such products; provided, however, that Buyer may identify such products as utilizing, containing or having been manufactured from genuine products of Seller as treated, modified or altered by Buyer or Buyer's representative, upon prior written approval of Seller. All plans, photographs, designs, drawings, blueprints, manuals, specifications and other documents relating to the business of Seller ("Information") shall be and remain the exclusive property of Seller and shall be treated by Buyer as confidential information and not disclosed, given, loaned, exhibited, sold or transferred to any third party without Seller's prior written approval;

provided, however, that these restrictions shall not apply to Information that Buyer can demonstrate: (a) at the time of disclosure, is generally known to the public other than as a result of a breach of this Agreement by Buyer; or (b) is already in Buyer's possession at the time of disclosure by from a third party having a right to impart such Information.

17. Default and Seller's Remedies. In the event of default by Buyer, all unpaid sums and installments owed to Seller, shall, at Seller's sole option, become immediately due and payable without notice of any kind to Buyer. In addition to its right of acceleration, Seller may pursue any and all remedies allowed by law or in equity, including but not limited to any and all remedies available to it under the Delaware Uniform Commercial Code. In addition to the foregoing, and not in limitation thereof, Seller shall have the right to set off any credits or amounts owed to Buyer against any amounts owed by Buyer to Seller.

18. Indemnification by Buyer. Buyer hereby agrees to indemnify, release, defend and hold harmless Seller, its directors, officers, employees, agents, representatives, successors, and assigns against any and all suits, actions or proceedings at law or in equity (including the costs, expenses and reasonable attorney's fees incurred in connection with the defense of any such matter) and from any and all claims demands, losses, judgments, damages, costs, expenses or liabilities, to any person whatsoever (including Buyer's and Seller's employees or any third party), or damage to any property (including Buyer's property) arising out of or in any way connected with the performance or the furnishing of Products under this agreement, regardless of whether any act, omission, negligence (including any act, omission or negligence, relating to the manufacture, design, repair, erection, service or installation of or warnings made or lack thereof with respect to any Products furnished hereunder) of Seller, its directors, officers, employees, agents, representatives, successors or assigns caused or contributed thereto. If Buyer fails to fulfill any of its obligations under this paragraph or this agreement, Buyer agrees to pay Seller all costs, expenses and attorney's fees incurred by Seller to establish or enforce Seller's rights. The provisions of this paragraph are in addition to any other rights or obligations set forth in this agreement.

19. Installation. Unless otherwise expressly agreed in writing, Buyer shall be solely responsible for the installation and erection of the Products purchased. Although Seller may in some cases provide a serviceman, data and drawings to aid Buyer with installation or start-up, Seller assumes no responsibility for proper installation or support of any Products when installed and disclaims any express or implied warranties with respect to such installation and support. Notwithstanding whether data and drawings are provided or a serviceman aids in the installation, Buyer shall indemnify and hold Seller harmless and at Seller's request, defend Seller from all claims, demands or legal proceedings (including the costs, expenses and reasonable attorney's fees incurred in connection with the defense of any such matter) which may be made or brought against Seller in connection with damage or personal injury arising out of said installation or start-up.

20. Force Majeure. Seller shall not be liable to Buyer or be deemed to be in breach of this agreement by reason of any delay in performing, or any failure to perform, any of Seller's obligations in relation to the Products if the delay or failure was due to any cause beyond the reasonable control of Seller including (without limitation) strike, lockout, riot, civil commotion, fire, accident, explosion, tempest, act of God, war, epidemic, stoppage of transport, terrorist activity, supply shortage or changes in government, governmental agency, laws, regulations or administrative practices.

21. Anti-Corruption; Export Controls; No Boycotts. Buyer agrees that it shall, and that any party retained or paid by the Buyer ("Retained Party") shall, comply with all applicable laws including, but not limited to, laws prohibiting public corruption and commercial bribery. Buyer further agrees that it shall, and that any Retained Party shall, comply with all applicable export controls, economic sanctions, embargoes and regulations regarding the export, re-export, shipment, distribution and/or sale of Products, technology, information or warranty related services. Buyer further agrees that it shall not, and any Retained Party shall not, export or re-export Products, technology, information or warranty related services directly or with its knowledge indirectly into Iran, Cuba, Syria, North Korea, the Crimea Region of the Ukraine or Russia without Buyer first obtaining written approval from Seller. Failure to comply strictly with this section and all applicable laws, regulations and licensing/approval requirements shall be grounds for immediate termination of this agreement by Seller. Notwithstanding anything to the contrary contained in any agreement between the Buyer and Seller or in any other document or agreement relating to the Products sold hereunder, Seller will not comply with requests related to the boycott of any country or other jurisdiction, except to the extent such boycott is required by or otherwise not inconsistent with United States law.

22. Telematics. If a telematics system is included with the Equipment, the telematics system is administered by a third party ("Teleservice Provider") and collects a range of operational data about the Equipment including, but not limited to, usage, performance and reliability. Buyer shall gain any prior explicit consent from its employees and/or any third party, as required by applicable laws, enabling Seller and/or third parties to provide teleservices and data to Buyer. Buyer shall comply with all applicable laws relating to the provision of teleservices, including without limitations any applicable data protection laws. In addition to the foregoing, Buyer consents to Seller's collection, management and reporting of non-personal data about the Equipment including, but not limited to, performance, usage, fuel consumption, up /down times, defects, parts replacement, movement and location. Such information and data may also be used by Seller for warranty, product improvement, marketing, customer support, and research and development purposes, and to monitor, maintain, diagnose, update or repair the Equipment.

23. Construction and Severability. These Terms and Conditions of Sale constitute the entire agreement between the parties regarding the subject matter hereof and shall be construed and enforced in accordance with the laws of Delaware. The United

Nations Convention on Contracts for the International Sale of Goods (1980) (CISG) shall not apply. The invalidity or unenforceability of any provisions of this agreement shall not affect any other provision and this agreement shall be construed in all respects as if such invalid or unenforceable provision were omitted.

24. Jurisdiction. The parties agree that the proper and exclusive forum and venue in all legal actions brought to enforce or construe any provisions herein shall be in United States District Court, District of Delaware or, if federal jurisdiction is lacking in such action, in New Castle County Superior Court in Delaware.

25. No Assignment. No rights arising under this agreement may be assigned by the Buyer unless expressly agreed to in writing by the Seller.

26. No Set-off. Buyer shall have no right to set-off any amounts it may owe Seller against amounts Seller may owe Buyer under this or any other agreement between Buyer and Seller.

27. Miscellaneous. Buyer represents that: (i) it is solvent and has the financial ability to pay for the Equipment and Parts purchased hereunder and (ii) it has all requisite right, power and authority to perform its obligations under this agreement.

Buyer's Initials: _____



Terex Utilities, Inc.
500 Oakwood Rd, Watertown, SD 57201
Phone: 605-882-4000 Fax: 605-882-1842

08/21/2018

Quote Number: QU11493-08

TEREX STOCK
500 OAKWOOD ROAD
WATERTOWN, SD 57201
Attention:

Phone:

Qty. Description

UNIT

- 1 One (1) new Terex Commander 4047 model hydraulic rotating digger derrick with a turntable winch.

Design Criteria:

- * Design criteria is in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design.
- * Meets ANSI/ASSE A10.31-2013.

Elevation:

- * From +80 degrees above horizontal to -20 degrees below horizontal.

Dual Lift Cylinders:

- * Double-acting cylinders with chrome plated rods and integral holding valves. Trapezoid mounting design offers greater boom support and stability providing less wear and longer life. Either cylinder can hold the rated lifting capacity of the derrick.

Steel Lower Boom:

- * The boom is a fabricated box utilizing high-strength steel plates.

Steel Intermediate Boom:

- * Fabricated box constructed of high strength steel. Powered by a double acting hydraulic cylinder equipped with integral holding valves on both extend and retract ports.

Fiberglass Hydraulic Upper Boom:

- * Capable of lifting the hydraulic capacity of the derrick in all positions.
- * Tested and rated for line voltage up to and including 46 KV AC.
- * Tapered non-metallic rollers mounted at the end of the intermediate boom support the fiberglass boom under load minimizing scratches and abrasions. The sides of the fiberglass boom are supported and guided by non-metallic rollers to reduce tracking.

Continuous And Unrestricted Rotation:

- * A hydraulic rotary manifold provides a rotating oil distribution system for continuous and unrestricted rotation.

Miscellaneous:

- * Relief valves to protect the derrick circuits and digger-winch circuits.
- * Hydraulic hoses are equipped with permanent type hose fittings.
- * A custom load chart stating actual lifting capacity considering all final options, chassis, body,

Qty. Description

outriggers, and other fixed equipment with capacity based on completed unit stability is included.

- * A boom-angle indicator and decal are mounted on each side of the lower boom.

- * All metallic components of the complete digger derrick device are prime painted.

- * Two complete manuals providing operational and maintenance procedures, and a replacement parts listing.

- * Warning decals provided with unit.

Turntable Winch Including Transferrable Pole Buddy Assembly:

- * 15,000 lb. bare drum capacity worm gear winch equipped with hydraulic counterbalance valve mounted on the derrick turntable. Equipped with flanged pole buddy transferrable from intermediate boom to upper boom.

Bare Boom Lift Capacities:

- * Boom Angle: All Booms Retracted

- * Maximum Elevation 24750 lbs.

- * 10 Ft. Radius 11000 lbs.

Work Zone Capacities:

Median Digging Radius 20.5 ft.

Digging Capacity at Median Radius 2542 lbs.

Lift Capacity at Median Radius 4524 lbs.

Sheave Height:

- * With intermediate boom extended, 38.6 ft. at maximum elevation.

- * With upper boom extended, 47.4 ft. at maximum elevation.

- * Dimensions are based on a 40" chassis frame height.

Load Radius:

- * 28.5 ft. from C/L of rotation, at 0 degree, intermediate boom extended.

- * 37.5 ft. from C/L of rotation, at 0 degree, upper boom extended.

RH Command Post Radio Controls:

- * Provides individual levers in a console on the command post.

- * Permanent type control decals are provided.

- * Adjustable cushioned operator seat is provided as standard and includes side rails.

- * Hydraulic foot throttle.

- * Command post access step and hand rail installed.

- * Includes (1) waist harness, (2) rechargeable batteries, (1) battery charger, (1) receiver, (1) transmitter, and placards.

- * Includes a control and horn.

- * Stop/start at control station.

Note: This will require Combined System Hydraulics - Not available Single Speed Hydraulics.

Pole Guide For Transferable Pole Buddy with Interlock:

- * Hydraulic cylinders equipped with holding valves operate the tilt and open/close on pole guide arms.

- * Pole guide hoses are contained in a chain type carrier, installed on the side of the boom.

- * Transfers from the end of the intermediate boom to the end of the upper boom and vice versa.

- * The pole guide is installed on the transferable pole buddy flange assembly.

- * Protects both the pole guide and the boom from accidental damage caused by extending the upper boom while the pole guide is on the intermediate boom and tilted downward. Includes actuating

Qty. Description

plunger and two poppet valves.

Pole Claw Arms:

* Unique circular design of arms that handle poles up to 23 inch diameter.

Customer Declined, Load Moment Limiter.

* Purchaser is aware of OSHA Crane and Derrick standard, subpart CC for construction (1926-14160).

Hydraulic Overload Protection for Boom and Rotation systems: (For radio controls)

* An Operator aid to prevent damage to the derrick by stopping selected functions if an over load occurs. The functions necessary to eliminate the overload condition remain operational, to relieve the cause of overload.

* Disables boom extend, winch up, and digger dig when boom lift or rotation senses an overloaded condition.

* The system is fully automatic relative to the operation and re-set functions.

Worm Gear Rotation:

* Provided by worm gear drive through reversible hydraulic motor. Worm gear drive powers a special design long life hardened "shear ball" ball bearing rotation gear.

Customer Declined, Anti-Two Block.

* Purchaser is aware of OSHA Crane and Derrick standard, subpart CC for construction (1926.1416).

12,000 ft-lb Two Speed Digger With Hydraulic Shift (ESK 76BA):

* Planetary gear drive powered by reversible hydraulic motor.

* Telescopic trombone tube is provided to shift the two-speed digger hydraulically.

LH Auger Storage and Digger Hanger:

* Digger hanger bracket is box section and is equipped with a transfer protection system, auger stowage bracket with self latching auger catch and hydraulic auger release.

* The auger stowage bracket stores up to a 24" diameter auger, in the standard position.

* Digger storage protection system to protect the auger storage cable from damage caused by over-winding. Oil from the digger system is returned to tank before the cable is over-stressed.

Nylon 1" flat webbing strap for auger roll-up.

Hollow Hex Auger Shaft: (Reference p/n 402330)

* 93 1/2" long x 2-5/8" hex auger shaft with auger adjustment holes.

* 1 5/8" diameter hole thru, (2 5/32" outside diameter x 1 15/32" inside diameter square tube).

Note: Not available to use on a 14,000 ft-lb and above digger.

Terex Texoma 20" TXC (carbide tooth auger) x 104" long - 60" of 5/16" flighting, 2 5/8" hex bushing. Rollup dish and cable pin welded in place and auger painted Terex Red.

Operator light at controls at command post/console.

Remote Radio Controls Storage for inside of cab or body compartment.

Pedestal:

* Square constructed pedestal has access holes for maintenance of hydraulic plumbing.

Qty. Description

As-Built JIC Hydraulic and Electrical Schematics

Pump For Use (Required Approximate 120% PTO):

Tandem vane high efficiency 3000 psi rated hydraulic pump providing 40 gallons per minute combined flow.

- * Provides 16 gallons per minute to boom functions and 24 gallons per minute to digger/winch functions and combines flow when boom is not in operation providing 40 gallons per minute to digger/winch at 1600 rpm engine speed, boom extension is faster than winch.

- * Provides up to 6 gallons per minute for tools at 700 rpm engine speed.

- * Includes pump kit.

FOR GENERAL ONLY: With the use of Radio Controls.

Hydraulic Reservoir:

50 gallon hydraulic oil reservoir includes 10 micron replaceable cartridge type return line filter mounted in reservoir with bypass valve incorporated in filter to prevent restricted flow.

- * A 100 mesh in screen in filter cap. A 40 mesh screen included in tank outlet and a 2 1/2" full flow ball type shut off valve.

- * Relief valves to protect the derrick circuits and digger-winch circuits.

Extra Heavy Duty A-Frame Outriggers with swivel type stabilizer pads. (8348)

Heavy Duty A-Frame Outriggers with swivel type stabilizer pads. (9283)

Controls For 2-Sets Of Outriggers And Auxiliary Tool Outlets Below Rotation (Diggers):

- * Recessed at rear of truck each side for ease of view for outrigger placement.

- * Includes switches and alarm for outrigger in motion alarm.

Adjustable flow divider for auxiliary tool outlets below rotation.

Outrigger Interlock:

- * To operate the boom the outriggers must be extended.

Subframe constructed with an open center.

Tie Down Kit.

Remote Sensor Bracket:

- * Bracket to be used with the Williams remote sensor. Installed to supply sensor to work with truck engine.

Terex Chassis Controller (DTS51) 12 volt:

- * Display Screen - Provides Inputs and Outputs indication for trouble shooting.

- * Warning screens.

- * Switch Buttons have LED indicators to show when active.

- * Recommended for all Class 6 and above Chassis types.

- * One system for all Chassis Types

- * Controller programmable for communication with different Chassis manufacturers.

Multi Part Assembly:

- * Rated for 12,000 lbs.

- * Attachment allows swivel hook to be used directly in eye.

Qty. Description

* Replaces the clevis for two part line attachment.

- 1 Customer Declined, Anti-Two Block.
* Purchaser is aware of OSHA Crane and Derrick standard, subpart CC for construction (1926.1416).
- 1 Customer Declined, Anti-Two Block.
* Purchaser is aware of OSHA Crane and Derrick standard, subpart CC for construction (1926.1416).
- 1 Terex South Dakota, Inc. Pole Puller: (P/N 0467557)
* Rated Capacity is 60,000 lbs.
* Base plate dimension is 8 in. x 12 in.
* 7 feet of steel chain.
* 8 feet non-conductive hose
* Storage Bracket 653252360

1 INSTALLATION

- 1 Install Derrick Over Rear Axle And Install All Associated Components:
*Final test and inspect completed unit including stability and dielectric testing per manufacturers requirements and ANSI/ASSE A10.31-2013.
 - 1 - Hose and fittings to connect the hydraulic system from the oil reservoir to the pump and unit.
 - 1 - Power take off with indicator light for automatic transmission.
 - 1 - DOT Inspection.
 - 1 - Set chassis parameters.
 - 1 - Back-up alarm to sound when the vehicle is shifted into reverse.
 - 4 - Laminated wood outrigger pad 24" x 24" x 2-1/4" with rope handle.
*Includes outrigger pad storage.
 - 2 - Pendulum style retainer.
 - 4 - Rubber wheel chocks with eye bolt.
 - 4 - Pendulum style retainer.
 - 1 - Cone holder bracket, under body type.
*SS under tailshelf.
 - 1 - Grab handles as necessary for 3-point contact.
 - 2 - Cable type gripstrut stirrup step.
 - 1 - Access step mounted on floor of the body to access the top of body compartment or access platform.
 - 1 - Fold-up access step mounted on command post.

Qty. Description

- 2 - Mud flap with logo 30" tall.
Note: Trim As-Required.
- 1 - Under body mounting kit for a pair of mud flaps.
- 1 - Ground ball stud.
- 1 - 2/0 Black Electrical Cable used for grounding per ASTM F855-04:
 - *50' of multi-strand flexible copper cable, three grounding lugs, two ferrules and grounding clamp.
 - *Three point grounding system for grounding vehicle during work operations.
 - *Cable must be fully removed from bracket before use.
 - NOTE! Purchaser to verify this meets their company's requirements for fault current.
- 1 - 88473 Clamp Ground C-Head with Pressure Type
 - *Mounted on opposite end of ground cable
 - *Ground cable to have one clamp on each end
- 1 - 65375953 Cable Storage Reel
- 1 - Boom rest.
- 1 - Front pole carrier kit bunk style with a ratchet with 2" wide webbing tie down strap to secure pole and pole bunk arm weldment.
- 1 - Pole carrier assembly 18" bunk style, removable and pedestal mount.
- 1 - 65341295 Kit ratchet strap and brackets
 - *For rear pole carrier
- 1 - Digger Derrick dual position boom rest saddle.
- 1 - Truck-Lite LED 7-lamp DOT Lighting Package:
 - *Complies with FMVSS 108
 - *Includes required lights, junction box and wiring harness.
 - *Note: Back-up lights are incandescent.
- 1 - Lighted license plate bracket kit with incandescent light.
- 1 - Back-up lights are LED that replace incandescent light.
- 2 - Amber strobe light (LED) with 4" tall & 6" dia. lens, and branch guard.
 - *One each side of boom rest
- 1 - Whelen 2 corner LED, Amber Strobe Light Kit with 4" grommets.
 - *Wired into On/Off switch in cab.
 - *Mounted in rear light bar
- 1 - Whelen LED 3.5" White Flash Light. (Pair)
 - *3 LED Clusters, 10 flash pattern.
 - *Mounted in chassis grill

Qty. Description

- 1 - Strobe light mounting bracket.
 - 1 - Strobe mounting bracket weldment mounted under the pole rack.
 - 2 - Golight 20004 LED spotlight, hand held remote and white in color.
*Mounted on chassis hood
 - 3 - Bracket for spotlight mounting.
 - 2 - Truck-Lite 8150 - Round Work Light, LED.
*One on boom rest-facing bed area
*One on rear of pedestal-facing rear
 - 1 - 65367828 Unity 6" Decklight - LED Trap Flood.
*Mounted at command post
 - 1 - Glad Hand Kit, Swing Away:
*Requires tractor protection valve and air lines to the rear.
 - 1 - Tekonsha Voyager electric brake control.
 - 1 - Remote engine stop/start and two speed control from rear of vehicle.
 - 1 - 65302666 Buyers BP200 25 ton spring mount pintle hook
* Safety chain eyes. Pintle hook brackets and attachment methods are designed to meet the associated pintle hook ratings. They are not designed for recovery purposes. If recovery attachments are required please order the appropriate tow eyes.
*Mounted 24 inch +/- 1 inch center throat to ground
 - 1 - ICC rear bumper.
 - 1 - 7-blade trailer socket. (RV style)
 - 1 - Heat shields, as required to protect hydraulic system from exhaust.
 - 1 - Oil tank mounting for external reservoirs.
- Fill with Hydraulic oil for general purpose use.
*Refer to the product maintenance manual for specific type to be used.
- 1 - 1 1/8" x 100' Samson, 2-IN-1 Stable Braid uncoated rope.
 - 1 - Nylite spool, shield and shackle, #5, black.
 - 1 - Gunnebo Johnson 7JH swivel hook.
 - 1 - Hannay spring loaded hydraulic hose reel with 4-way roller assembly with 35' of 1/2" Hose Set.
*Quick disconnect HTMA male and female flush faced couplers and dust covers.
*Installed on hose reel with ball stop.

Qty. Description

*Mounted CS flatbed next to pedestal

2 - 65334283 Amerex 10lb ABC Fire Extinguisher
*92099 mounting bracket

1 - James King triangle reflector kit.

1 - Rear view vision square light camera & 7" monitor system.

1 Paint C4000 derrick one color.

1 Paint body floor with non-skid paint.

1 Paint compartment top with non-skid paint.

1 Dakota Bodies, Inc. Flatbed: Overall length of 184"
144" Long x 96" wide Aluminum flatbed with 3/16" Aluminum Treadbrite floor with 6" aluminum channel cross members on 12 inch centers 6" x 2" x 1/8" rectangular tube perimeter channel on each side
- Cut out in bed area floor for customer supplied aerial/digger
- Drop in Aluminum tube retainer 4"H installed around perimeter of flatbed
- Include pins and lanyards

Stake Pockets & Sides

- Exterior Stake pockets installed with 1/4" x 3" rub rail on each side.

Tail shelf Rear Lighting:

- 94" Wide 7-Lamp light bar installed at rear of tail shelf NO LIGHTS
- To be built per Terex 99059 design

Subframe Installation:

- Install customer supplied subframe, with outriggers attached, to body (include tie down kit if necessary).

Subframe is to be Bolted to Body (Test Fitted) Do Not Weld to Sub Frame

- Subframe and O/R's will be wet painted Black
- Grounding Bracket to be welded to Subframe at rear of truck and body
- Provide "Bolt In" style Filler Plate between Rear Jacks
- Possum belly storage with drop down door at rear
- To have a stop at 102" in all three tubes
- Hose tunnel cutout in subframe

Stringer style body mounting includes the following:

- Dakota to provide lower and upper boom rest sections
- Lower Section to be welded to Front Jack Assembly
- Upper section to be test fit into lower section prior to shipment.
- Dakota to provide box bolts to Terex with body to secure upper section to lower section.
- Terex to match drill upper section holes.
- Welding on DB supplied Body Mounting Angles

Dakota Bodies Inc. Transverse Compartment

40 inches long x 46 inches high x 96 inches wide

Qty. Description**Body Dimensions:**

46 Inches - Compartment height
18 Inches - Compartment depth
28 Inches - Top of body to the top of the floor

Body Materials:

.090 Aluminum - Main body material
.125 Aluminum Treadbrite - Compartment tops
.063 Aluminum - Inner door panels
.063 Aluminum - Outer door panels
- 5/16" Aluminum continuous rod - Door Hinge Rod.
- Aluminum - Door Hinge Sockets.
.125 Aluminum - Front bulkhead
18 gauge galvanized - Shelving & dividers installed on DUAL Aluminum Uni-strut
.125 Aluminum Treadbrite - Cargo wall liners

Accessories:

- Stainless Steel automotive rotary type door latches
- Stud mounted latches have hidden fasteners inside the door.
- Adjustable striker brackets wrap around the weatherstrip.
- Stud mounted automotive style latches have interior plastic latch covers.
- Spring Loaded type door holders on vertically hinged doors and chain stops on horizontal compartments.
- Standard rope light (3/8" L.E.D. 1" on center) compartment lights in all body compartments.
- Does NOT include boxes
- Each compartment to have Two (2) pigtail connectors
- Lights are to shipped loose
- Automotive bulb type weatherstripping mechanically fastened to door frame with rounded corners - Ship Loose

Top Rail Package:

- 8"H punched Aluminum retainer installed around perimeter of transverse compartment

Streetside Compartmentation**1st Vertical:**

20" Wide x 46" High x 18" Deep
- Four (4) adjustable shelves each with divider slots on 2" centers installed on Uni-strut each shelf will have Five (5) adjustable dividers.

2nd Vertical:

20" Wide x 46" High x 18" Deep
- Seven (7) locking swivel 3/8" carriage bolt material hooks installed at top 2-3-2 installed on Uni-strut for height adjustment.

Curbside Compartmentation**1st Vertical:**

20" Wide x 46" High x 18" Deep
- Transverse compartment with One (1) fixed through shelf above drawer unit

Qty. Description

- Two (2) transverse drawers mounted on 60 Inch 250Lbs capacity roller bearing slides.
- Each drawer has twist style T-Handle activating latches on each side of drawer. 10" Wide x 3" High x 60" Deep
- Adjustable dividers installed in each drawer on 6" centers.

2nd Vertical:

20" Wide x 46" High x 18" Deep

- Seven (7) locking swivel 3/8" carriage bolt material hooks installed at top 2-3-2 installed on Uni-strut for height adjustment.

Curb Side Access 24" Wide

Hinged Gripstrut access steps to bed area with Chain Storage underneath

- One (1) Small Stainless Steel slam style paddle latch.
- Two (2) Gas assist door openers.
- 1/8" Aluminum risers and side kickplates.

One (1) grabhandles at the side access of the body.

One (1) pool type grabhandles at the side access of the body.

One (1) cable type access step under the side access steps. (Ship loose)

- Drop in Aluminum tube retainer 4"H installed at top of side access
- Include pins and lanyards

Top Mounted Basket: (Ship Loose)

72" long X 8" high X 18" wide .125 Aluminum smooth basket with bottom and sides punched for drainage

Wheel Chock Storage:

- Four (4) under body V-style wheel chock holders. (Ship Loose.)

Paint:

- Powder Coat White - Rubberized protective undercoat

1 Braden PD18C-11DBFEB Hydraulic Single Speed, Front Mounted Bumper Winch

Assembly Including:

- * 20,000-lb rated capacity.
- * Extended shaft to curb side for take-up reel.
- * Four way roller assembly.
- * Tool Box
- * Tow Angle
- * Miscellaneous hose and fittings.

Wire rope, 5/8" x 200', 6x19, one eye with thimble.

Shackle 1" with 10 ton capacity.

Winch control installed at front bumper and in-cab.

Front Extension

36" tall sight Rods

Paint front winch

Qty. Description

- 1 Dimensions 2400N inverter, 2400W continuous, 120VAC, Up to 20A.

110 volt outlet with GFI.

Spacer tubes for mounting

- 1 M2 106 Conventional Chassis

Set back axle - truck

Cum L9 330 hp @ 2000 rpm, 2200 gov rpm, 1000 lb/ft @ 1400 rpm

Allison 3500 RDS automatic transmission with pto provision

MS-21-14x 21,000# R-series single rear axle

23,000# 52 inch variable rate multi-leaf spring rear suspension with leaf spring helper

Detroit da-f-14.7-3 14,700# ff1 71.5 kpi/3.74 drop single front axle

14,600# taperleaf front suspension

106 inch bbc flat roof aluminum conventional cab

4650mm (183 inch) wheelbase

7/16x3-9/16x11-1/8 inch steel frame (11.11mmx282.6mm/0.437x11.13 inch) 120ksi

2550mm (100 inch) rear frame overhang

- 1 Update to 2020 Chassis

- 1 Delivery

OPTIONS:

ADD

1. Federal Excise Tax will be added if certificate is not supplied with order.
2. The following items must be considered by the purchaser if not already included:
Back-up Alarm \$150.00; Strobe Light \$525.00; Wheel Chocks \$110.00;
Outrigger Pads \$200.00 to \$650.00 (based on pad size & type); Truck Grounding Cable \$550.00;
Barricade Kit \$895.00; Hydraulic Over Load Protection (derrick only, price will vary
based on final option selection); Boom / Boom Stow Interlock \$700.00; Engine Stop / Start
\$200.00 to \$795.00 (based on unit model); Auxiliary Let Down \$1500.00; and Platform
Liner \$380.00 to \$625.00 (based on platform size).
3. Terex Utilities, Inc. strongly recommends all installation accessories be located up front in
front in the quote or secondarily on the approved engineering drawing. Any accessories located
or relocated during manufacturing may be subject to additional charges.
4. Terex Utilities, Inc. - Assembly in Watertown, South Dakota is ISO 9001:2000 Certified.

Dakota Bodies, Inc. Flatbed: Overall length of 184"

- 144" Long x 96" wide Aluminum flatbed with 3/16" Aluminum Treadbrite floor with 6" aluminum channel cross members on 12 inch centers
- 6" x 2" x 1/8" rectangular tube perimeter channel on each side
- Cut out in bed area floor for customer supplied aerial/digger
- Drop in Aluminum tube retainer 4"ID installed around perimeter of flatbed
 - Include pins and lanyards

Stake Pockets & Sides

- Exterior Stake pockets installed with 1/4" x 3" rub rail on each side.

Tail shelf Rear Lighting:

- 94" Wide 7-Lamp light bar installed at rear of tail shelf NO LIGHTS
 - To be built per Terex 99059 design

Subframe Installation:

- Install customer supplied subframe, with outriggers attached, to body (include tie down kit if necessary).
 - Subframe is to be Bolted to Body (Test Fitted) Do Not Weld to Sub Frame*
 - Subframe and O/R's will be wet painted Black
- Grounding Bracket to be welded to Subframe at rear of truck and body
- Provide "Bolt In" style Filler Plate between Rear Jacks
- Possum belly storage with drop down door at rear
 - To have a stop at 102" in all three tubes
- Hose tunnel cutout in subframe

Stringer style body mounting includes the following:

- Dakota to provide lower and upper boom rest sections
- Lower Section to be welded to Front Jack Assembly
- Upper section to be test fit into lower section prior to shipment.
- Dakota to provide box bolts to Terex with body to secure upper section to lower section.
- Terex to match drill upper section holes.
- Welding on DB supplied Body Mounting Angles

Dakota Bodies Inc. Transverse Compartment
40 inches long x 46 inches high x 96 inches wide

Body Dimensions:

46 Inches - Compartment height
18 Inches - Compartment depth
28 Inches - Top of body to the top of the floor

Body Materials:

.090 Aluminum - Main body material
.125 Aluminum Treadbrite - Compartment tops
.063 Aluminum - Inner door panels
.063 Aluminum - Outer door panels
 - 5/16" Aluminum continuous rod - Door Hinge Rod.
 - Aluminum - Door Hinge Sockets.
.125 Aluminum - Front bulkhead
18 gauge galvanized - Shelving & dividers installed on **DUAL Aluminum** Uni-strut
.125 Aluminum Treadbrite - Cargo wall liners

Accessories:

- Stainless Steel automotive rotary type door latches
 Stud mounted latches have hidden fasteners inside the door.
 Adjustable striker brackets wrap around the weatherstrip.
 Stud mounted automotive style latches have interior plastic latch covers.
- Spring Loaded type door holders on vertically hinged doors and chain stops on horizontal compartments.
- Standard rope light (3/8" L.E.D. 1" on center) compartment lights in all body compartments.
 - **Does NOT include boxes**
 - **Each compartment to have Two (2) pigtail connectors**
 - **Lights are to shipped loose**
- Automotive bulb type weatherstripping mechanically fastened to door frame with rounded corners - **Ship Loose**

Top Rail Package:

- 8"H punched Aluminum retainer installed around perimeter of transverse compartment

Streetside Compartmentation

1st Vertical:

20" Wide x 46" High x 18" Deep
- Four (4) adjustable shelves each with divider slots on 2" centers installed on Uni-strut
 each shelf will have Five (5) adjustable dividers.

2nd Vertical:

20" Wide x 46" High x 18" Deep
- Seven (7) locking swivel 3/8" carriage bolt material hooks installed at top 2-3-2
 installed on Uni-strut for height adjustment.

Curbside Compartmentation

1st Vertical:

20" Wide x 46" High x 18" Deep

- Transverse compartment with One (1) fixed through shelf above drawer unit
- Two (2) transverse drawers mounted on 60 Inch 250Lbs capacity roller bearing slides.
 - Each drawer has twist style T-Handle activating latches on each side of drawer.

10" Wide x 3" High x 60" Deep

- Adjustable dividers installed in each drawer on 6" centers.

2nd Vertical:

20" Wide x 46" High x 18" Deep

- Seven (7) locking swivel 3/8" carriage bolt material hooks installed at top 2-3-2 installed on Uni-strut for height adjustment.

Curb Side Access 24" Wide

Hinged Gripstrut access steps to bed area with Chain Storage underneath

One (1) Small Stainless Steel slam style paddle latch.

Two (2) Gas assist door openers.

1/8" Aluminum risers and side kickplates.

One (1) grabhandles at the side access of the body.

One (1) pool type grabhandles at the side access of the body.

One (1) cable type access step under the side access steps. (Ship loose)

- Drop in Aluminum tube retainer 4"H installed at top of side access
 - Include pins and lanyards

Top Mounted Basket: (Ship Loose)

72" long X 8" high X 18" wide .125 Aluminum smooth basket with bottom and sides punched for drainage

Wheel Chock Storage:

- Four (4) under body V-style wheel chock holders. (Ship Loose.)

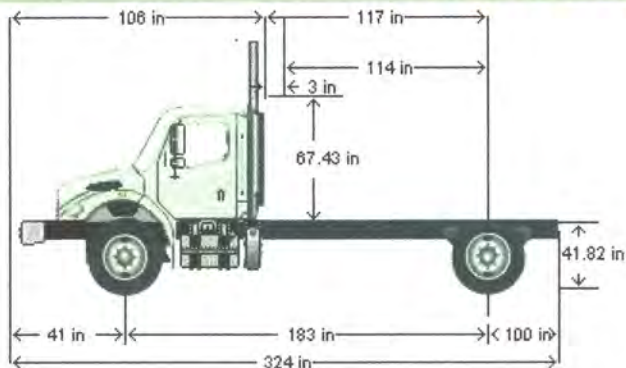
Paint:

- Powder Coat White
- Rubberized protective undercoat

Prepared for:
 Sheldon Seward
 Terex Utilities
 500 Oakwood Rd
 Watertown, SD 57201
 Phone: 605-882-5515

Prepared by:
 Truman Ingram
 FTL, STL & WST OF
 MONTGOMERY
 3140 HAYNEVILLE ROAD
 MONTGOMERY, AL 36108
 Phone: 334-263-1085

DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	4650MM (183 INCH) WHEELBASE
Rear Frame Overhang (552)	2550MM (100 INCH) REAR FRAME OVERHANG
Fifth Wheel (578)	NO FIFTH WHEEL
Mounting Location (577)	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in)	0
Maximum Rearward Position (in)	0
Amount of Slide Travel (in)	0
Slide Increment (in)	0
Desired Slide Position (in)	0.0
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682)	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

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TABLE SUMMARY - DIMENSIONS

Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	117.4
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	114.4
Back of Cab Protrusions (Exhaust/Intake) (CP)	0.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	217.4
Cab Height (CH)	67.4
Wheelbase (WB)	183.0
Frame Overhang (OH)	100.0
Overall Length (OAL)	323.7
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	41.8

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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S P E C I F I C A T I O N P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
Price Level			
PRL-15M	M2 PRL-15M (EFF:10/25/16)		
Data Version			
DRL-017	SPECPRO21 DATA RELEASE VER 017		
Vehicle Configuration			
001-172	M2 106 CONVENTIONAL CHASSIS	5,759	3,503
004-220	2020 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK		
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
General Service			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE		
A84-1UT	UTILITY BUSINESS SEGMENT		
AA4-011	FIXED LOAD COMMODITY		
AA5-006	TERRAIN/DUTY: 10% (SOME) OF THE TIME, IN TRANSIT, IS SPENT ON NON-PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-003	MAINTAINED GRAVEL OR CRUSHED ROCK - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-091	MEDIUM TRUCK WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 14600.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 33000.0 lbs (Derated)		

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Terex Utilities
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Data Code	Description	Weight Front	Weight Rear
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 45000.0 lbs		
Truck Service			
AA3-006	UTILITY BODY		
AF3-2A5	TEREX		
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
Engine			
101-22R	CUM L9 330 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM	640	30
Electronic Parameters			
79A-075	75 MPH ROAD SPEED LIMIT		
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
79K-005	PTO MODE ENGINE RPM LIMIT - 900 RPM		
79M-001	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
79P-002	PTO RPM WITH CRUISE SET SWITCH - 700 RPM		
79Q-002	PTO RPM WITH CRUISE RESUME SWITCH - 700 RPM		
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH		
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND		
79W-001	ONE REMOTE PTO SPEED		
79X-001	PTO SPEED 1 SETTING - 700 RPM		
80G-002	PTO MINIMUM RPM - 700		
80J-001	REGEN INHIBIT SPEED THRESHOLD - 0 MPH		
Engine Equipment			
99C-017	2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
133-004	ONE PIECE VALVE COVER		
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER		

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Data Code	Description	Weight Front	Weight Rear
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
292-208	(2) DTNA GENUINE, FLOODED STARTING, MIN 2250CCA, 390RC, THREADED STUD BATTERIES		
290-017	BATTERY BOX FRAME MOUNTED		
281-001	STANDARD BATTERY JUMPERS		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-001	NON-POLISHED BATTERY BOX COVER		
87P-001	CAB AUXILIARY POWER CABLE	5	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-076	CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH	20	
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
28F-007	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH		
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		

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Terex Utilities
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Data Code	Description	Weight Front	Weight Rear
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP		
242-011	ALUMINUM AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD(S)		
273-018	HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-003	CUMMINS SPIN ON FUEL FILTER		
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER		
266-013	1100 SQUARE INCH ALUMINUM RADIATOR	20	
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-016	RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
138-011	PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
132-004	ELECTRIC GRID AIR INTAKE WARMER		
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		
Transmission			
342-584	ALLISON 3500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
Transmission Equipment			
343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV		
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES		
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84D-023	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		

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Data Code	Description	Weight Front	Weight Rear
84E-017	S5 PERFORMANCE LIMITING PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84F-018	S7 ECONOMY LIMITING SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
84G-014	2200 RPM PRIMARY MODE SHIFT SPEED		
84H-012	2000 RPM SECONDARY MODE SHIFT SPEED		
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
84L-010	DISABLE - LOAD BASED SHIFT SCHEDULE, DISABLE - VEHICLE ACCELERATION CONTROL		
84N-000	NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED		
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
353-023	VEHICLE INTERFACE WIRING CONNECTOR WITH OUT BLUNT CUTS, AT END OF FRAME		
34C-001	ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
362-035	CUSTOMER INSTALLED CHELSEA 277 SERIES PTO		
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION		
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013		
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
346-013	TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP		
35T-001	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

400-1A8	DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
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Data Code	Description	Weight Front	Weight Rear
402-049	MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-023	CONMET CAST IRON FRONT BRAKE DRUMS		
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-001	ORGANIC SAE 80/90 FRONT AXLE LUBE		
Front Suspension			
620-010	14,600# TAPERLEAF FRONT SUSPENSION	170	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
62H-012	FRONT SUSPENSION SPRING BRACKETS OFFSET		
410-001	FRONT SHOCK ABSORBERS		
Rear Axle and Equipment			
420-1N0	MS-21-14X 21,000# R-SERIES SINGLE REAR AXLE		10
421-557	5.57 REAR AXLE RATIO		
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
386-073	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
87B-004	BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		
423-020	MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
433-002	NON-ASBESTOS REAR BRAKE LINING		

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Data Code	Description	Weight Front	Weight Rear
434-011	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
451-023	CONMET CAST IRON REAR BRAKE DRUMS		
440-006	REAR OIL SEALS		
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
428-002	MERITOR AUTOMATIC REAR SLACK ADJUSTERS		
41T-002	SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension			
622-1MJ	23,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		110
621-001	SPRING SUSPENSION - NO AXLE SPACERS		
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
Brake System			
018-002	AIR BRAKE PACKAGE		
490-100	WABCO 4S/4M ABS		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-001	STANDARD BRAKE SYSTEM VALVES		
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL		
460-001	STEEL AIR BRAKE RESERVOIRS		
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
477-004	PULL CABLES ON ALL AIR RESERVOIR(S)		
Trailer Connections			
* 914-009	AIR CONNECTIONS TO END OF FRAME WITHOUT GLAD HANDS		

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Data Code	Description	Weight Front	Weight Rear
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
335-004	UPGRADED CHASSIS MULTIPLEXING UNIT		
32A-002	UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame			
545-465	4650MM (183 INCH) WHEELBASE		
546-102	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	160	280
552-063	2550MM (100 INCH) REAR FRAME OVERHANG		
55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-50	210
549-093	8 INCH BOLT ON FRONT FRAME EXTENSION	55	
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 117.45 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 114.45 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 312.89		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 117.45 in		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 97.69 in		
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 97.66 in		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER		
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-001	STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment			
556-997	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203	-60	
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS		

Prepared for:
Sheldon Seward
Terex Utilities
500 Oakwood Rd
Watertown, SD 57201
Phone: 605-882-5515

Prepared by:
Truman Ingram
FTL, STL & WST OF
MONTGOMERY
3140 HAYNEVILLE ROAD
MONTGOMERY, AL 36108
Phone: 334-263-1085

Data Code	Description	Weight Front	Weight Rear
Fuel Tanks			
204-215	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
218-005	RECTANGULAR FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-007	FUEL TANK(S) FORWARD		
664-001	PLAIN STEP FINISH		
205-001	FUEL TANK CAP(S)		
122-1J1	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR, HAND PRIMER AND 12 VOLT PREHEATER"	-5	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
11F-998	NO NATURAL GAS VEHICLE FUEL TANK VENT LINE/STACK		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
Tires			
093-2DV	CONTINENTAL HSC1 12R22.5 16 PLY RADIAL FRONT TIRES	50	
094-2F6	CONTINENTAL HDR2 11R22.5 14 PLY RADIAL REAR TIRES		92
Hubs			
* 418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	20	
* 450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels			
502-356	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	
505-1EF	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-100
524-001	POLISHED FRONT WHEELS; OUTSIDE ONLY		
525-001	POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY		
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		

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Data Code	Description	Weight Front	Weight Rear
650-008	AIR CAB MOUNTING		
678-998	NO GRAB HANDLES		
646-009	PAINTED PLASTIC GRILLE		
65X-001	ARGENT SILVER HOOD MOUNTED AIR INTAKE GRILLE		
644-004	FIBERGLASS HOOD		
727-1AF	SINGLE 14 INCH ROUND HADLEY AIR HORN UNDER LH DECK	4	
726-001	SINGLE ELECTRIC HORN		
728-001	SINGLE HORN SHIELD		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-043	INTEGRAL HEADLIGHT/MARKER ASSEMBLY		
302-001	(5) AMBER MARKER LIGHTS		
294-090	OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING FOR COMBINED STOP/TURN LIGHTS TO FOUR FEET BEYOND END OF FRAME		-5
300-015	STANDARD FRONT TURN SIGNAL LAMPS		
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
796-001	102 INCH EQUIPMENT WIDTH		
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
729-001	STANDARD SIDE/REAR REFLECTORS		
768-043	63X14 INCH TINTED REAR WINDOW		
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
654-027	RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	4	
663-013	TINTED WINDSHIELD		
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		

Cab Interior

707-1AK	OPAL GRAY VINYL INTERIOR
706-013	MOLDED PLASTIC DOOR PANEL
708-013	MOLDED PLASTIC DOOR PANEL
772-006	BLACK MATS WITH SINGLE INSULATION

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Data Code	Description	Weight Front	Weight Rear
785-001	DASH MOUNTED ASH TRAYS AND LIGHTER		
691-008	FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS WITHOUT NETTING		
694-010	IN DASH STORAGE BIN		
742-007	(2) CUP HOLDERS LH AND RH DASH		
680-006	GRAY/CHARCOAL FLAT DASH		
700-002	HEATER, DEFROSTER AND AIR CONDITIONER		
701-001	STANDARD HVAC DUCTING		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
170-015	STANDARD HEATER PLUMBING		
130-033	DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
324-011	DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
284-023	(1) 12 VOLT POWER SUPPLY IN DASH		
756-1J3	BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
760-1J3	BASIC HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	25	10
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
758-036	VINYL WITH VINYL INSERT DRIVER SEAT		
761-036	VINYL WITH VINYL INSERT PASSENGER SEAT		
763-101	BLACK SEAT BELTS		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
540-015	4-SPOKE 18 INCH (450MM) STEERING WHEEL		
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS		

Instruments & Controls

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Data Code	Description	Weight Front	Weight Rear
732-004	GRAY DRIVER INSTRUMENT PANEL		
734-004	GRAY CENTER INSTRUMENT PANEL		
870-001	BLACK GAUGE BEZELS		
486-006	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM WITH (1) ADDITIONAL PARK SWITCH FOR CUSTOMER USE		
840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
149-013	ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-042	ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
148-003	PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
372-051	CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
679-001	OVERHEAD INSTRUMENT PANEL		
746-115	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH AND USB AND AUXILIARY INPUTS, J1939	10	
747-001	DASH MOUNTED RADIO		
750-002	(2) RADIO SPEAKERS IN CAB		
753-008	AM/FM ANTENNA MOUNTED ON LH SIDE MIRROR		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		

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Data Code	Description	Weight Front	Weight Rear
812-001	ELECTRONIC 3000 RPM TACHOMETER		
162-011	IDLE LIMITER, ELECTRONIC ENGINE		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-001	MARKER LIGHT SWITCH INTEGRAL WITH HEADLIGHT SWITCH		
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
299-013	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, WASHER/WIPER AND HAZARD IN HANDLE		
298-039	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH HAZARD LAMPS OVERRIDING STOP LAMPS		

Design

065-000 PAINT: ONE SOLID COLOR

Color

980-5F6 CAB COLOR A: L0006EB WHITE ELITE BC
986-020 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT
963-003 STANDARD E COAT/UNDERCOATING

Certification / Compliance

996-001 U.S. FMVSS CERTIFICATION, EXCEPT SALES
CABS AND GLIDER KITS

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7153 lbs	4255 lbs	11408 lbs

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Total Weight⁺

7153 lbs

4255 lbs

11408 lbs

Extended Warranty

WAG-009 TOWING: 6 MONTHS/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$550 CAP FEX APPLIES

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

Unit / Body Specifications

- Model DC47 hydraulic derrick
 - sheave height: 46.4 ft
 - horizontal reach: 37.0 ft
 - maximum capacity (ANSI rating classification): 12,430 lb
 - maximum digging radius: 26.7 ft
 - boom articulation: -20 to 80 degrees
- Rear mounted traditional control seat
- No hard wired upper controls and no tool circuit at boom tip
- Turntable mounted winch
- 15,000 Lb winch - normal speed
- Two-speed mechanical shift digger, 12,000 ft-lbs
- Multi-function joystick controller
- A-frame outriggers with safety interlock system
- A-frame outriggers with safety interlock system
- Dirt auger, 18 inch dia with 2-1/2 inch hex x 104 inches L
- Hose reel
- Tool circuit
- Non-conductive hose kit, orange
- Flatbed body
- Thru box
- T-125 style pintle hitch
- Wood outrigger pads
- Pole rack two pole capacity with ratchet tie binders
- Complete LED FMVSS lighting package
- Amber LED strobe light
- Multi-point grounding system
- 7-Way trailer receptacle, pin type
- Electric trailer brake controller
- Standard Altec warranty: one (1) year parts, one (1) year labor, ninety (90) days travel and limited lifetime structural

Chassis Specifications

- Freightliner M2-106
- 4x2 drive train
- 122 Inch CA
- Cummins B6.7
- 250 HP engine rating
- Allison 3500 RDS automatic transmission
- GVWR 33,000 lb
- 14,600 Lb front GAWR
- 21,000 Lb rear GAWR

Options

- PD18 Front Bumper Winch Package

Additional 1 year labor and materials warranty included in quote.

Delivery

Late April - Early May

Price: \$198,140.00

Options: Included

Delivery: Included

Total: \$198,140.00

(Excluding
Taxes)

www.altec.com for additional models and information. Quote valid for 45 days; Price does not reflect any local, state, or Federal Excise Taxes (F.E.T.). For additional accessories or details contact your Altec Account Manager.



NEW EQUIPMENT SALES

| 800.958.2555

| SALES@ALTEC.COM

| ALTEC.COM

NEW UNIT PRICE

Assembly Unit Name	New Assembly Name	Description	Unit of Measure	Install Cold	Remove Cold	Intall Hot	Remove Hot
10 kVA - OH		10 kVA OH Transformer	EA	273.6	174.096	360	223.2
100 kVA - OH		100 kVA OH Transformer	EA	349.6	205.344	460	285.2
15 kVA - OH		15 kVA OH Transformer	EA	281.2	165.168	370	229.4
167 kVA - OH		167 kVA OH Transformer	EA	425.6	249.984	560	347.2
25 kVA - OH		25 kVA OH Transformer	EA	311.6	183.024	410	254.2
37.5 kVA - OH		37.5 kVA OH Transformer	EA	330.6	194.184	435	269.7
5 kVA - OH		5 kVA OH Transformer	EA	273.6	160.704	360	223.2
50 kVA - OH		50 kVA OH Transformer	EA	338.2	198.648	445	275.9
75 kVA - OH		75 kVA OH Transformer	EA	338.2	198.648	445	275.9
A1		1Ph Tangent Single Support	EA	41.8	24.552	55	34.1
A1-1		1Ph Tangent Double Support	EA	53.2	31.248	70	43.4
A2		1Ph Small Angle	EA	53.2	31.248	70	43.4
A3		1Ph Medium Angle	EA	57	33.48	75	46.5
A4		1Ph Large Angle	EA	60.8	35.712	80	49.6
A5		1Ph Deadend	EA	76	44.64	100	62
A5-1		1Ph Tap off of a 1Ph pole	EA	83.6	49.104	110	68.2

A5-2		1Ph Tap off of a Multi-Phase pole	EA	83.6	49.104	110	68.2
A6		1Ph Double Deadend	EA	114	66.96	150	93
ARMROD		Armor Rods	EA	20.52	12.0528	27	16.74
B1		2Ph Tangent Sngl Supp 1/0	EA	68.4	40.176	90	55.8
B1-1		2Ph Tangent Dbl Supp 1/0	EA	102.6	60.264	135	83.7
B8		2Ph Double Deadend on arm	EA	262.2	154.008	345	213.9
Back Fill Hole		Back Fill Hole	EA	0			
C1		3Ph Tangent Single Support 1/0	EA	117.8	69.192	155	96.1
C1-1		3Ph Tangent Double Support 1/0	EA	129.2	75.888	170	105.4
C1-2		3Ph Tangent Single Support with Saddle Pin 477	EA	129.2	75.888	170	105.4
C1-3		3Ph Tangent Double Support with Saddle Pin 477	EA	148.2	87.048	195	120.9
C2		3Ph Very Small Angle 1/0	EA	228	133.92	300	186
C2-1		3Ph Small Angle 1/0	EA	243.2	142.848	320	198.4
C2-2		3Ph Small Angle 477	EA	243.2	142.848	320	198.4
C7		3Ph Deadend 1/0	EA	323	189.72	425	263.5
C7 (477)		3Ph Deadend 477	EA	342	200.88	450	279
C7X		3 Ph Tap off of a 3 Ph Deadend	EA	228	133.92	300	186

F1-3		Anchor Assembly - 10K lbs.	EA	114	66.96	150	93
F1-4		Anchor Assembly - 12K lbs.	EA	121.6	71.424	160	99.2
G310		3Ph Xfmr Mounting Bracket & Transformer Installation (Y-D)	EA	197.6	116.064	260	161.2
G311		3Ph Xfmr Mounting Bracket & Transformer Installation (Delta)	EA	197.6	116.064	260	161.2
M5-7		Wildlife protection	EA	9.12	5.3568	12	7.44
Hand Digging		Hand Digging	per ft.	0			
J10		Sec or N Assemb Small Angle	EA	19	11.16	25	15.5
J8		Sec or N Assemb Sngl Upset	EA	19	11.16	25	15.5
K10		Service Assembly House Bracket	EA	19	11.16	25	15.5
KC		Service Assembly Wedge Clamp	EA	19	11.16	25	15.5
KDHC		Service Assemb Wedge Clamp w/ drive hook	EA	19	11.16	25	15.5
M26-5 100W HPS		Local Street/Area Light 100W HPS Equivalent	EA	121.6	71.424	160	99.2
M26-5 250W HPS		Collector Street Light 250W HPS Equivalent	EA	152	89.28	200	124
M26-5 400W HPS		Major Street Light 400W HPS Equivalent	EA	174.8	102.672	230	142.6
M26-5 Arm-6'		Streetlight Mast Arm - 6'	EA	45.6	26.784	60	37.2
M26-5 Arm-8'		Streetlight Mast Arm - 8'	EA	45.6	26.784	60	37.2

C8		3Ph Double Deadend or Medium Angle 1/0	EA	494	290.16	650	403
C8 (477)		3Ph Double Deadend or Medium Angle 477	EA	494	290.16	650	403
DIGGER ROCK		Digger Rock	per ft.	44.08	25.8912	58	35.96
DIGTESS		Contact DigTESS for UG Locates	EA	19	11.16	25	15.5
DMN		Repair or splice neutral cond	EA	38	22.32	50	31
DMP		Repair or splice primary cond	EA	64.6	37.944	85	52.7
DM-SEC		Secondary Jumper 4/0&below-Lbr	EA	26.6	15.624	35	21.7
DM-SERV		Repair or splice service wire	EA	38	22.32	50	31
DSN		Re-sag neutral conductor wire	EA	95	55.8	125	77.5
DSP		Re-sag conductor wire	EA	95	55.8	125	77.5
DS-SERV		Re-sag service wire	EA	57	33.48	75	46.5
E1-2		Single Down Guy 3/8" EHS	EA	91.2	53.568	120	74.4
E1-3		Single Down Guy 7/16" EHS	EA	110.2	64.728	145	89.9
E3-10		Guy Marker	EA	0			
XTRA HOLE DEPTH		Digging Holes Deeper than normal	Per Ft.	0			
F1-2		Anchor Assembly - 10K lbs.	EA	114	66.96	150	93

M26-5 Arm-10'		Streetlight Mast Arm - 10'	EA	49.4	29.016	65	40.3
M26-5 Arm-16'		Streetlight Mast Arm - 16'	EA	53.2	31.248	70	43.4
M26-5 Flood Small		Flood Light 100W HPS Equivalent Mounted to Pole	EA	91.2	53.568	120	74.4
M26-5 Flood Medium		Flood Light 250W HPS Equivalent Mounted to Pole	EA	98.8	58.032	130	80.6
M26-5 Flood Large		Flood Light 400W HPS Equivalent Mounted to Pole	EA	106.4	62.496	140	86.8
M2-2X		Pole Grnd Ground Rod & Butt Plate	EA	106.4	62.496	140	86.8
M2-2		Pole Grnd Butt Plate	EA	76	44.64	100	62
M5-10		Fused Cutout	EA	114	66.96	150	93
M3-10		Single Phase OCR W/Bypass	EA	342	200.88	450	279
M3-12		3-1Ph OCR's	EA	984.2	578.088	1295	802.9
M3-15SB		Solid Blade Disconnect Switch	EA	114	66.96	150	93
M3-15 S/C		Gang Operated LB Switch	EA	1216	714.24	1600	992
M5-14		8' Crossarm	EA	53.2	31.248	70	43.4
M5-16		10' Crossarm	EA	60.8	35.712	80	49.6
M5-2		Pole top pin and insulator	EA	26.6	15.624	35	21.7
M5-20		Suspension Insulator	EA	41.8	24.552	55	34.1
M5-21		Fiberglass Extension Link	EA	41.8	24.552	55	34.1
M5-23 (1/0)		Stirrup Hot Line 1/0	EA	16.72	9.8208	22	13.64

M5-23.(477)		Stirrup Hot Line 477	EA	16.72	9.8208	22	13.64
M5-3		Pin type insulator	EA	12.92	7.5888	17	10.54
M5-4		DA Bolt Adapter - side insul pole jumper	EA	16.72	9.8208	22	13.64
M5-5		Cross arm pin and insulator Drop in	EA	19	11.16	25	15.5
M5-6		10kV Lightning Arrester and Jumpers	EA	72.2	42.408	95	58.9
M5-64		Fault Indicators Overhead	EA	26.6	15.624	35	21.7
M7-14 (200)		Voltage Regulator 200A	EA	912	535.68	1200	744
M7-14 (219)		Voltage Regulator 219A	EA	988	580.32	1300	806
M7-14 (328)		Voltage Regulator 328A	EA	1140	669.6	1500	930
M8-15		Overhead Primary Metering 7.2/12.5	EA	1140	669.6	1500	930
M9-11 (100)		100 kVAR 7.2kV Capacitor	EA	190	111.6	250	155
M9-13		3pH Capacitor Assembly	EA	190	111.6	250	155
M9-11 (200)		200 kVAR 7.2kV Capacitor	EA	190	111.6	250	155
MTR2S		Meter Form 2S CL200	EA	57	33.48	75	46.5
MTR4S		Meter Form 4S	EA	57	33.48	75	46.5
MTR9S		Meter Form 9S SS	EA	57	33.48	75	46.5
MTR16S		Meter Form 16S SS	EA	57	33.48	75	46.5
NT		Neutral Transfer	EA	34.2	20.088	45	27.9

NTA		Neutral Transfer Angle	EA	49.4	29.016	65	40.3
OH-1/0 ACSR		OH Conductor 1/0 ACSR Raven	per ft.	0.722	0.42408	0.95	0.589
OHQ-4/0 ACSR		OH Service Conductor 4/0 Quad	per ft.	1.596	0.93744	2.1	1.302
OHT-4/0 ACSR		OH Service Conductor 4/0 Triplex	per ft.	1.444	0.84816	1.9	1.178
OH-477 AAC		OH Conductor 477 AAC Cosmos	per ft.	1.102	0.64728	1.45	0.899
OHQ-2/0 ACSR		OH Service Conductor 2/0 Quad	per ft.	1.216	0.71424	1.6	0.992
OHT-2/0 ACSR		OH Service Conductor 2/0 Triplex	per ft.	0.988	0.58032	1.3	0.806
OH-#2 ACSR		OH Conductor #2 ACSR Sparrow	per ft.	0.836	0.49104	1.1	0.682
OHQ-#2 ACSR		OH Service Conductor #2 Quad	per ft.	0.988	0.58032	1.3	0.806
OHT-#4 ACSR		OH Service Conductor #4 Triplex	per ft.	0.6992	0.41069	0.92	0.5704
OHD-#6 ACSR		OH Service Conductor #6 Duplex	per ft.	0.456	0.26784	0.6	0.372
OH-795 AAC		OH Conductor 795 AAC Arbutus	per ft.	1.672	0.98208	2.2	1.364
One Shot		One Shot Device	EA	0			
P35-5		Pole Dist 35 Ft Class 5 Wood	EA	267.52	157.133	352	218.24
P40-3		Pole Dist 40 Ft Class 3 Wood	EA	343.52	201.773	452	280.24
P40-4		Pole Dist 40 Ft Class 4 Wood	EA	343.52	201.773	452	280.24
P40-5		Pole Dist 40 Ft Class 5 Wood	EA	343.52	201.773	452	280.24

P45-1		Pole Dist 45 Ft Class 1 Wood	EA	371.64	218.29	489	303.18
P45-2		Pole Dist 45 Ft Class 2 Wood	EA	371.64	218.29	489	303.18
P45-3		Pole Dist 45 Ft Class 3 Wood	EA	371.64	218.29	489	303.18
P45-4		Pole Dist 45 Ft Class 4 Wood	EA	371.64	218.29	489	303.18
P50-1		Pole Dist 50 Ft Class 1 Wood	EA	431.68	253.555	568	352.16
P50-2		Pole Dist 50 Ft Class 2 Wood	EA	431.68	253.555	568	352.16
P50-3		Pole Dist 50 Ft Class 3 Wood	EA	431.68	253.555	568	352.16
P55-1		Pole Dist 55 Ft Class 1 Wood	EA	532	312.48	700	434
P55-2		Pole Dist 55 Ft Class 2 Wood	EA	532	312.48	700	434
P55-3		Pole Dist 55 Ft Class 3 Wood	EA	532	312.48	700	434
POLE SET - 1 gal		Pole Set - 1 gallon bucket	EA	72.2	42.408	95	58.9
POLE SET - 3 gal		Pole Set - 3 gallon bucket	EA	114	66.96	150	93
Pole Top		Cut Top of Pole	EA	95	55.8	125	77.5
PT		Primary Transfer	EA	68.4	40.176	90	55.8
PTA		Primary Transfer Angle	EA	68.4	40.176	90	55.8
REC 100A - 1- Phase		Recloser 100 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC 10A - 1- Phase		Recloser 10 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC 15A - 1- Phase		Recloser 15 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC 25A - 1- Phase		Recloser 25 AMP - Single Phase	EA	235.6	138.384	310	192.2

REC 35A - 1- Phase		Recloser 35 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC 50A - 1- Phase		Recloser 50 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC 5A - 1- Phase		Recloser 5 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC 70A - 1- Phase		Recloser 70 AMP - Single Phase	EA	235.6	138.384	310	192.2
REC1P-ELEC		Recloser 1 Phase Electronic	EA	266	156.24	350	217
REC225		Recloser 3Ph 225A 12.5KV	One Unit	380	223.2	500	310
REC3P800-VFI		Recloser Vacuum 3Ph 800A SCADA Controlled	One Unit	380	223.2	500	310
RFR-20		AMI RF Routers w/20 ft Cable	EA	114	66.96	150	93
RFR-SC		Router Repeater Radio Streetlight Mounted	Removal Only Unit	57	33.48	75	46.5
ROCKHOLE		Digging Holes in Rock w/ Digger	Per Ft.	64.6	37.944	85	52.7
Rockstar Machine		Rockstar Machine	Per Hole	323	189.72	425	263.5
Spread		Installation of Spreader Arm	EA	72.2	42.408	95	58.9
UBCOLLECTOR-SC		Substation Collector/Comm Pkg	1 Unit	285	167.4	375	232.5
TD		Transfer Deadend	EA	95	55.8	125	77.5
TIES		Tying and Untying Conductor	EA	16.72	9.8208	22	13.64
Traffic Management		Traffic Management Setup	EA	0			
Transfer Anchor		Transfer Communications Anchor	EA	38	22.32	50	31

Transfer Deadend		Transfer Communications Deadend	Per Attach/Pole	95	55.8	125	77.5
Transfer Drop		Transfer Communications Drop	Per Attach/Pole	11.4	6.696	15	9.3
Transfer Guy		Transfer Communications Guy	EA	64.6	37.944	85	52.7
Transfer Riser		Transfer Communications Riser	EA	171	100.44	225	139.5
Transfer Tangent		Transfer Communications Tangent	Per Attach/Pole	41.8	24.552	55	34.1
UM2		2" Secondary Riser	EA	190	111.6	250	155
UG6-100		1 Ph Padmount Deadend Transformer (100	EA	368.6	216.504	485	300.7
UG7-100		1 Ph Padmount Feed Through Transformer (100	EA	368.6	216.504	485	300.7
UM2-1 (1/0)		1 Ph 1/0 URD Riser 1/0	EA	1444	848.16	1900	1178
UM2-3 (1/0)		3 Ph 1/0 URD Riser 1/0	EA	2660	1562.4	3500	2170
UM 2-3 (500)		3 Ph 1/0 URD Riser 500 MCM	EA	2812	1651.68	3700	2294
UM 2-3 (1000)		3 Ph 1/0 URD Riser 1000 MCM	EA	2812	1651.68	3700	2294
USWGR PME-9		Switchgear PME-9 Equivalent	EA	1292	758.88	1700	1054
USWGR PME-11		Switchgear PME-11 Equivalent	EA	1520	892.8	2000	1240

MEMORANDUM

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

From: Brian Mikulencak

Date: December 10, 2020

Re: Agenda Item 8. C. – Approval and Reporting of Purchases and Sales:
Sole Source Purchase—Substation Maintenance 2021--2024

- C. Sole Source Purchase—Substation Maintenance for 2021—2024. Staff is recommending approval of the attached maintenance agreement with LCRA and approval of a purchase order with a total amount of \$283,400.00. The unit pricing that LCRA has quoted represents a significant increase over historical pricing from LCRA, but staff would like to continue with the LCRA maintenance program for at least another year while evaluating other options and pricing. This contract can be terminated at any time without penalty. Staff is of the opinion that LCRA is best prepared and knowledgeable of the KPUB equipment, maintenance and testing procedures. LCRA retains the spare parts, testing equipment, personnel, switching, UFLS control, emergency response crews, knowledge of the KPUB system and expertise that is vital to keeping our system maintenance and NERC testing up to date. KPUB even follows LCRA's Maintenance Standards Procedure Guide that has been approved by NERC and other entities which many other municipalities follow as well. LCRA also supports KPUB with supplying mobile transformers during the week of transformer maintenance outages to support our customer load. With LCRA supplying the mobile transformer and also performing the maintenance, this ensures that the work will be done in a timely manner and we can return our system back to normal and keep within the mobile transformer timeline agreements set ahead of time. LCRA has many advantages over competitors and contractors when it comes to performing maintenance on our system, therefore KPUB feels that they are best fit to continue our scheduled system maintenance.

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

Sincerely,



Brian Mikulencak

PROJECT PROPOSAL	
<p style="text-align: center;">LCRA Transmission Strategic Services CUSTOMER SERVICES CONTRACT</p> <p style="text-align: center; font-size: small;"><i>Form CSC revised 06/22/2020</i></p>	<p>CUSTOMER:</p> <p style="text-align: center;">Kerrville Public Utility Board P.O. Box 294999 Kerrville, TX 78029 Attn: Brian Mikulencak</p>
<p>PROJECT: K PUB Substation Maintenance 2021-2024</p>	
<p>DATE SUBMITTED November 24, 2020</p>	
<p>SCOPE OF SERVICES: Please see the attached for Scopes of Work, Schedules, Testing List and Price Sheet.</p>	
<p>PROJECT SCHEDULE:</p> <p>Start: LCRA will coordinate with K PUB on a time line for this equipment's completion dates.</p> <p>Complete: The term of this agreement will end on December 31, 2024.</p>	<p>LCRA CONTACT</p> <p>Bill Jerram bill.jerram@lcra.org 512-940-6713 Lower Colorado River Authority 3700 Lake Austin Blvd. Austin, TX 78767-0220 Attn: Transmission Strategic Services</p>
<p>CONTRACT TYPE & ESTIMATED COST:</p> <p>Contract Type: Independent Contract Billing Method: Fixed Fee</p> <p>Total Cost: \$607,900.00</p>	
<p>Reference Contract:</p> <p style="text-align: center; font-size: small;"><i>(Please note that if this is an independent contract, terms and conditions should be attached.)</i></p>	
<p><i>Customer and the Lower Colorado River Authority agree that the work described above shall be performed in accordance with the terms and conditions in this contract. This proposal is valid for 60 days after submittal.</i></p>	
<p>Parties:</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Kerrville Public Utility Board</p> </div> <div style="width: 45%;"> <p>Lower Colorado River Authority</p> </div> </div>	
<p>By: _____</p> <p>Printed Name _____</p> <p>Title: _____</p> <p>Date: _____</p>	<p>By: _____</p> <p>Printed Name Jonathan Greene</p> <p>Title: Sr VP, Transmission Operations</p>
<p>OFFICE USE ONLY</p> <p>Job Description: <u>K PUB Substation Maintenance 2021-2024</u></p> <p>Project ID: _____</p> <p>Work Order: _____</p> <p>Contract Owner: Bill Jerram Contract Coordinator: Eneni Oguara-Pere</p>	

LCRA Substation Maintenance
Scope of Services

This Contract shall cover substation services for assets listed in Exhibit A for substation equipment and facilities owned by Customer. All inspections shall be performed in accordance with the Standards for Inspection and Maintenance of LCRA Transmission Services Corporation Equipment and Facilities or the manufacturer's service manual, unless otherwise requested by the Customer. LCRA shall provide copies of all applicable reports to the Customer after work completion. All services will be invoiced after the work is performed and all charges are identified. All pricing is based on the attached Schedule (Exhibit A) as a whole work package and cannot be selected by line item only.

Each additional task shall be approved by a separate task (via e-mail request) associated to this contract. Each service work requested shall be invoiced separately. LCRA Transmission Services Substation Maintenance personnel may also be available for routine and/or emergency repair work pending LCRA Agreement at Customer Service prevailing rates. These services will be invoiced each time they are required after the work is performed and all charges are identified.

After completion of each year of Annual Maintenance, LCRA and KPUB may collectively review the schedule for the upcoming year, including mutually agreeable changes to schedule and/or price.

Customer will identify the BES protection elements that need testing by January 31 of each year during the term of this Contract. Customer will list the substation and device to be tested and documented with a report.

Customer shall remain solely responsible for all liabilities and obligations related to the Bulk Electric System (BES) protection elements, including any regulatory requirements associated with such elements or any fines or penalties resulting therefrom. Notwithstanding anything to the contrary in this Contract, including the Interlocal, LCRA makes no representations or warranties, express or implied, as to the completeness or accuracy of the BES protection elements test reports or their suitability for a particular purpose, and LCRA will not be liable for errors or omissions in, or delays in providing, the BES protection elements test reports.

	2021			2022			2023			2024		
	Est. Quantity	Unit Price	Total Price	Est. Quantity	Unit Price	Total Price	Est. Quantity	Unit Price	Total Price	Est. Quantity	Unit Price	Total Price
1.0 Transformers												
1.6 Transformer Testing	3	\$ 21,200.00	\$ 63,600.00	1	\$ 21,200.00	\$ 21,200.00	1	\$ 21,200.00	\$ 21,200.00	2	\$ 21,200.00	\$ 42,400.00
1.6 Transformer Oil Testing	10	\$ 800.00	\$ 8,000.00	10	\$ 800.00	\$ 8,000.00	10	\$ 800.00	\$ 8,000.00	10	\$ 800.00	\$ 8,000.00
2.0 Load Tap Changers												
2.6 Load Tap Changer Testing	3	\$ 8,700.00	\$ 26,100.00	1	\$ 8,700.00	\$ 8,700.00	1	\$ 8,700.00	\$ 8,700.00	2	\$ 8,700.00	\$ 17,400.00
2.6 LTC Oil Testing	10	\$ 800.00	\$ 8,000.00	10	\$ 800.00	\$ 8,000.00	10	\$ 800.00	\$ 8,000.00	10	\$ 800.00	\$ 8,000.00
4.0 Circuit Breakers												
4.7 Circuit Breaker Trip/Close	34	\$ 400.00	\$ 13,600.00	34	\$ 400.00	\$ 13,600.00	34	\$ 400.00	\$ 13,600.00	34	\$ 400.00	\$ 13,600.00
4.7 Circuit Breaker Testing	13	\$ 4,400.00	\$ 57,200.00	11	\$ 4,400.00	\$ 48,400.00	0	\$ 4,400.00	\$ -	10	\$ 4,400.00	\$ 44,000.00
6.0 Circuit Switchers												
6.6 Circuit Switcher Trip/Close	10	\$ 1,000.00	\$ 10,000.00	10	\$ 1,000.00	\$ 10,000.00	10	\$ 1,000.00	\$ 10,000.00	10	\$ 1,000.00	\$ 10,000.00
6.6 Circuit Switcher Testing	3	\$ 5,400.00	\$ 16,200.00	1	\$ 5,400.00	\$ 5,400.00	1	\$ 5,400.00	\$ 5,400.00	2	\$ 5,400.00	\$ 10,800.00
7.0 Switches and MOS												
** 7.04 138kV Switches	10	\$ -	\$ -	10	\$ -	\$ -	10	\$ -	\$ -	10	\$ -	\$ -
10.0 Relays and Controls												
10.6 Relay: Transformer	9	\$ 2,000.00	\$ 18,000.00	3	\$ 2,000.00	\$ 6,000.00	3	\$ 2,000.00	\$ 6,000.00	6	\$ 2,000.00	\$ 12,000.00
10.6 Relay: Circuit Breaker	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -
*** 10.7 Relay: Lockout	3	\$ -	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	2	\$ -	\$ -
14.0 Thermography												
14.2 Substations	9	\$ 300.00	\$ 2,700.00	9	\$ 300.00	\$ 2,700.00	9	\$ 300.00	\$ 2,700.00	9	\$ 300.00	\$ 2,700.00
Miscellaneous												
* Mobile Transformer Install and Remove (with all	1	\$ 50,000.00	\$ 50,000.00	1	\$ 50,000.00	\$ 50,000.00	0	\$ 50,000.00	\$ -	0	\$ 50,000.00	\$ -
* Mobile Transformer Daily Rental Fee	4	\$ 2,500.00	\$ 10,000.00	4	\$ 2,500.00	\$ 10,000.00	0	\$ 2,500.00	\$ -	0	\$ 2,500.00	\$ -
Mobile Transformer Other			\$ -			\$ -			\$ -			\$ -
		2021 Total	\$ 283,400.00		2022 Total	\$ 192,000.00		2023 Total	\$ 83,600.00		2024 Total	\$ 168,900.00
		Note: Bidders should provide price quote for Mobile Transformer even if estimated quantity is zero.										
* Note: Mobile installation and removal costs, as well as the daily useage fee are governed by the Mobile Installation Agreement dated 9/16/2020 and the Memorandum of Understanding between LCRA TSC and Kerrville Public Utility Board executed 9/22/2020, and any subsequent amendments, revisions or new agreements. The current daily mobile rental rate is \$2,500 per day. The installation and removal costs are estimates only. Costs will be based on the current prevailing rates, and assume work will be coordinated to to both substations back-to-back.										Maintenance Total	\$ 607,900.00	
										Estimated Mobile Fees	\$ 120,000.00	
										Budgetary 4 Year Total	\$ 727,900.00	
** Only doing switches of the transformers being worked on in that given year; All others will be done at cost plus and are not included in the bid above.												
*** Pricing for 10.7 is included in 1.6												
Submitted by LCRA, 11/24/2020												
By Bill Jerram LCRA Transmission Acct Mgr												

CUSTOMER SERVICES CONTRACT

1. Agreement. This Customer Services Contract, including these terms and conditions, the Project Proposal, and any other documents attached hereto (collectively, the "Contract"), contains the entire agreement and understanding between LCRA and Customer with respect to the subject matter of this Contract and supersedes any and all prior or contemporaneous oral and written agreements and understandings regarding the defined scope of services. Additional terms and conditions on Customer's forms (including those accompanying any purchase order, invoice or payment) are a material alteration of this Contract and are rejected and null and void unless expressly agreed to by LCRA in writing. In the case of any conflicts between the terms of this Contract and the terms of any applicable Customer form, the terms of this Contract will control.
2. Services. LCRA will perform services for the Customer as detailed in the Scope of Services section of the Project Proposal ("Services"). Customer will review and respond as appropriate to all reports, studies, recommendations, requests and other submissions of LCRA so as not to delay the performance of the Services.
3. Notices. Correspondence, notices and invoices will be in writing and mailed or delivered to the other party as identified in the Customer and LCRA Contact sections of the Project Proposal, or at such other address as a party may from time to time designate in writing. All notices, correspondence or invoices will be effective upon receipt.
4. Changes Orders. Changes in the scope of the Services may only be made by written agreement of the Customer and LCRA. Verbal changes will not be given or accepted, except in cases of emergencies which pose a risk of personal injury or property damage, and such changes will be followed up with a written confirmation as soon as practicable.
5. Term; Termination. This Contract will commence on the date of the last signature by the parties ("Effective Date") and will govern LCRA's performance of the Services. Either party may terminate this Contract for its convenience at any time by providing written notice to the other party. In the event of such termination, Customer will pay LCRA for all Services performed up to the date of termination, plus (in the case of termination by Customer) any cancellation charges or other termination expenses as may be reasonably identified by LCRA.
6. Costs; Invoicing. As compensation for the Services, Customer will pay LCRA in accordance with one of the following, as identified in the Price section of the Project Proposal:
 - (a) All (i) direct costs incurred by LCRA in performing the Services, including, (1) costs for materials and supplies, (2) labor costs, including salary and benefits, paid to LCRA employees, (3) travel, meal and lodging expenses reimbursed or paid on behalf of LCRA employees within established LCRA expense guidelines, and (4) any third party costs, plus (ii) indirect costs that LCRA normally applies to Services of this nature, including general and administrative costs and other internal expenses and contributions; or
 - (b) A fixed price. Any changes to the scope of the Services may require an increase in the fixed price. Such change to the scope and the correlating fixed price will be agreed to in writing by the parties.
- LCRA may invoice Customer for progress payments for the Services completed to date during the term of this Contract. All payments by Customer under this Contract will be due and payable within 30 days after receipt of invoice. If payment is not timely made, interest will accrue on the unpaid balance at the lesser of the maximum lawful rate, or one percent per month, from the due date until paid.
7. Warranty; Disclaimer.
 - (a) During the term of this Contract, and for a period of 30 days after completion of the Services, LCRA will correct or re-perform any Services not conforming to the requirements of this Contract. Upon completion of the Services, LCRA will assign to Customer all contractor, manufacturer and supplier warranties related to the Services, to the extent LCRA has the right to do so. After such assignment, LCRA will have no continuing obligations to Customer with respect to the good or service to which the warranty applies, and Customer will look solely to the applicable contractor, manufacturer or supplier for relief regarding any claims or remedies, whether based on a warranty or otherwise.
 - (b) Any law, code or standard referenced in this Contract will refer to the version of such law, code or standard in effect as of the Effective Date.
 - (c) **THE WARRANTIES CONTAINED IN THIS SECTION 7 ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR GOOD AND WORKMANLIKE PERFORMANCE, AND LCRA'S OBLIGATION UNDER SECTION 7(A) IS CUSTOMER'S SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OR LIABILITY OF LCRA ARISING UNDER THIS CONTRACT.**
8. Environmental Conditions. Prior to LCRA starting any Services on-site, Customer will provide documentation that identifies the presence and condition of any hazardous materials or environmental conditions existing in or about Customer's equipment or the site that LCRA may encounter while performing the Services, and will keep LCRA informed of changes in any such conditions. If LCRA encounters hazardous materials in Customer's equipment or on-site, LCRA is not obligated to perform any Services affected by the hazardous conditions. Customer will indemnify and hold LCRA, its affiliates and their respective directors and employees, harmless for any and all claims, damages, losses, and expenses arising out of or relating to any hazardous materials which are or were (i) present in or about Customer's equipment or the site prior to the commencement of LCRA's work, (ii) improperly handled or disposed of by Customer or Customer's employees, agents, contractors or subcontractors, or (iii) brought, generated, produced or released on-site by parties other than LCRA.
9. Schedule. Unless otherwise expressly stated in the Contract documents, time is **not** of the essence and LCRA will not be liable to Customer for any damages arising out of LCRA's delay in providing the Services, including any failure to meet schedules contained in this Contract.
10. Force Majeure. Neither party will be responsible or liable for any delay or failure in its performance under this Contract to the extent such delay or failure is caused by conditions or events of Force Majeure. The term "Force Majeure" means causes or

CUSTOMER SERVICES CONTRACT

events beyond the reasonable control of, and without the fault or negligence of the party claiming Force Majeure, including (to the extent satisfying the foregoing requirements) (i) acts of God or sudden actions of the elements such as floods, earthquakes, hurricanes, tornadoes, ice storms, or wildfires; (ii) terrorism; war; riots; blockades; insurrection; strike at a regional level; labor disruption at a regional level (even if such difficulties could be resolved by conceding to the demands of a labor group); (iii) any action by a governmental or regulatory entity, including ERCOT or the PUCT; and (iv) pandemic, including the current Coronavirus Disease 2019 outbreak.

11. **LIMITATION OF LIABILITY.** THE TOTAL LIABILITY OF LCRA ARISING OUT OF THIS CONTRACT AND THE SERVICES WILL NOT EXCEED AN AMOUNT EQUAL TO THE FEES PAID TO LCRA UNDER THIS CONTRACT, AND LCRA WILL NOT BE LIABLE FOR INDIRECT, PUNITIVE, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS. IN NO EVENT WILL ANY OFFICER, DIRECTOR, EMPLOYEE OR AFFILIATE (OR AFFILIATE'S OFFICER, DIRECTOR OR EMPLOYEE) OF LCRA BE LIABLE TO CUSTOMER UNDER THIS CONTRACT, AND CUSTOMER'S SOLE RECOURSE UNDER THIS CONTRACT WILL BE AGAINST LCRA AND NOT AGAINST SUCH OTHER PERSONS. THE LIMITATIONS ON LIABILITY AND REMEDIES IN THIS PARAGRAPH WILL APPLY REGARDLESS OF WHETHER THE LIABILITY OR CAUSE OF ACTION ARISES IN CONTRACT, WARRANTY, INDEMNITY, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE. NOTHING IN THIS CONTRACT WILL BE CONSTRUED TO WAIVE LCRA'S GOVERNMENTAL IMMUNITY.

12. **Amendment.** This Contract may only be amended or modified through written agreement of the parties signed by an authorized representative of LCRA and by an authorized representative of the Customer.

13. **Assignment.** This Contract will be binding upon and inure to the benefit of the parties and their respective successors and assigns; provided, however, that neither party may assign this Contract, in whole or part, without the prior written consent of the other party.

14. **Non-Waiver.** No failure or delay on the part of a party to exercise any right or remedy will operate as a waiver of such right or remedy, nor will any single or partial exercise of any right or remedy preclude any further or other exercise of any such right or remedy.

15. **Partial Invalidity.** If any section or part of this Contract is declared invalid by any court of competent jurisdiction, the court's decree will not affect the remainder of this Contract, and the remainder of this Contract will remain in full force and effect with the deletion of the part declared invalid.

16. **Choice of Law; Venue; Waiver of Jury Trial.** This Contract will be governed by and construed in accordance with the laws of the State of Texas, without regard to conflict of law principles. Each party irrevocably consents and agrees that any legal action or proceeding arising out of this Contract will be brought exclusively in a court of competent jurisdiction in Travis County, Texas. LCRA AND CUSTOMER IRREVOCABLY WAIVE ALL RIGHT OF TRIAL BY JURY IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR IN CONNECTION WITH THIS CONTRACT.

17. **Ownership.** Intellectual property and rights to intellectual property owned by any party on the Effective Date will remain the property of that party. All deliverables, including plans, drawings, designs, specifications, computer programs or applications photographs, studies, data, schedules, test readings, technical reports, and calculations developed or utilized by LCRA or its subcontractors which are developed and specified to be delivered under this Contract and which are paid for by Customer are the property of Customer, but subject to LCRA's intellectual property rights. Customer recognizes that no deliverables will be suitable for reuse at any Customer facility or in connection with any project other than that for which the deliverable was prepared. LCRA DISCLAIMS LIABILITY FOR ANY REUSE OF THE DELIVERABLES ON ANY OTHER FACILITY OR PROJECT THAT IS DONE WITHOUT THE EXPLICIT, WRITTEN APPROVAL OF LCRA.

18. **Confidentiality.** "Confidential Information" means information marked or otherwise designated as "confidential" by a party. Confidential Information may only be used by the parties for purposes related to the performance of this Contract, and each party agrees not to disclose Confidential Information of the other party to any other person (other than its affiliates, and the party's and affiliate's respective employees and directors, or to contractors who agree to be bound by the provisions of this Section), provided that either party may disclose Confidential Information if and to the extent such disclosure is required by law (including the Texas Public Information Act). In the event a party is requested under law to disclose Confidential Information, such party will to the extent possible notify the other party within three business days of such request.

19. **Municipally Owned Utilities.** If Customer is a municipally owned utility, the following additional terms will apply:

- (a) This Contract is entered into under the authority of Chapter 791 of the Texas Government Code;
- (b) Customer pledges the revenues of its electric utility system to pay its obligations under this Contract. In addition, the amounts payable by Customer to LCRA under this Contract are operation and maintenance expenses as contemplated by Section 1502.056 of the Texas Government Code and, as a result, are a first lien against the revenues of Customer to secure the Customer's payment obligations to LCRA hereunder. Customer agrees that it will not request Services for which funds have not been appropriated and are not available.
- (c) Payments made under this Contract (1) are based on cost recovery, (2) will fairly compensate LCRA for the Services, and (3) will be made from current revenues available to Customer.

20. **Survival.** Termination or expiration of this Contract will not relieve, reduce, or impair any rights or obligations of a party which expressly or by implication survive termination or expiration of this Contract. Without limiting the generality of the foregoing, the following sections will survive the termination or expiration of this Contract: Costs; Invoicing; Warranty; Disclaimer; Environmental Conditions; Schedule; Limitation of Liability; Choice of Law; Venue; Waiver of Jury Trial; Ownership; Confidentiality, and Municipally Owned Utilities.



2021 Maintenance									
	Est. Quantity	2021-2024 Unit Price	2021-2024 Total Price	2013-2016 Unit Price	Total Using 2013-2016 Price	% Increase	2017-2020 Unit Price	Total Using 2017-2020 Price	% Increase
1.0 Transformers									
1.6 Transformer Testing	3	\$ 21,200.00	\$ 63,600.00	\$1,596.00	\$ 4,788.00	1228%	\$3,263.00	\$9,789.00	550%
1.6 Transformer Oil Testing	10	\$ 800.00	\$ 8,000.00	\$266.00	\$ 2,660.00	201%	\$195.00	\$1,950.00	310%
2.0 Load Tap Changers									
2.6 Load Tap Changer Testing	3	\$ 8,700.00	\$ 26,100.00	\$7,434.00	\$ 22,302.00	17%	\$3,381.00	\$10,143.00	157%
2.6 LTC Oil Testing	10	\$ 800.00	\$ 8,000.00	\$218.00	\$ 2,180.00	267%	\$250.00	\$2,500.00	220%
4.0 Circuit Breakers									
4.7 Circuit Breaker Trip/Close	34	\$ 400.00	\$ 13,600.00	\$750.00	\$ 25,500.00	-47%	\$265.00	\$9,010.00	51%
4.7 Circuit Breaker Testing	13	\$ 4,400.00	\$ 57,200.00	\$3,120.00	\$ 40,560.00	41%	\$2,560.00	\$33,280.00	72%
6.0 Circuit Switchers									
6.6 Circuit Switcher Trip/Close	10	\$ 1,000.00	\$ 10,000.00	\$756.00	\$ 7,560.00	32%	\$210.00	\$2,100.00	376%
6.6 Circuit Switcher Testing	3	\$ 5,400.00	\$ 16,200.00	\$1,980.00	\$ 5,940.00	173%	\$2,808.00	\$8,424.00	92%
7.0 Switches and MOS									
** 7.04 138kV Switches	10	\$ -	\$ -	N/A			N/A		
10.0 Relays and Controls									
10.6 Relay: Transformer	9	\$ 2,000.00	\$ 18,000.00	\$785.00	\$ 7,065.00	155%	\$2,950.00	\$26,550.00	-32%
10.6 Relay: Circuit Breaker	0	\$ -	\$ -	\$405.00			\$550.00		
*** 10.7 Relay: Lockout	3	\$ -	\$ -	N/A			N/A		
14.0 Thermography									
14.2 Substations	9	\$ 300.00	\$ 2,700.00	N/A			N/A		
Miscellaneous									
* Mobile Transformer Install and Remove (with all	1	\$ 50,000.00	\$ 50,000.00	N/A			\$16,000		
* Mobile Transformer Daily Rental Fee	4	\$ 2,500.00	\$ 10,000.00	N/A			\$3,000		
Mobile Transformer Other			\$ -						
Total less Mobile and New Services			\$ 220,700.00		\$ 118,555.00	86%		\$ 103,746.00	113%
Total with Mobile and New Services			\$ 283,400.00						

MEMORANDUM

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

From: Allison Bueché

Date: December 10, 2020

RE: Agenda Item #8—Approval and Reporting of Purchases and Sales

Presented for your consideration and review are the recommendations for purchase and/or sale of goods or services.

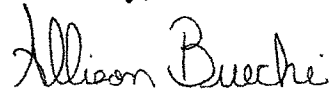
D. NISC Monthly Maintenance and Bill Print Service. Staff is recommending approval of blanket purchase orders in the amount of:

- \$136,800 for monthly maintenance and support (\$11,400 per month).
- \$150,000 for bill printing and postage (\$12,500 per month) for fiscal year 2021. Postage is approximately \$110,000 of the \$150,000.
- \$73,200 for mapping and staking.

Requested amounts are based upon projections of historical charges as approved in the existing support agreement.

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: Allison Bueché

Date: December 10, 2020

RE: Agenda Item #9—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.

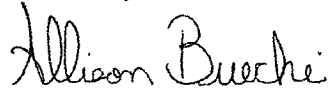
We have had 647 residential customers opt-out of the program as of December 10.

For the month of December, we have granted \$3,923.94 in program funds to-date to 32 households.

Since the program's inception in July, we have granted a total of \$67,989.45 in bill payment assistance through the Change for Charity fund to 429 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