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Link: <https://global.gotomeeting.com/install/820948581>

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United States: +1 (646) 749-3122

Access Code: 820-948-581

Hillsdale Board of Public Utilities
Regular Meeting

March 10, 2020

The regular Hillsdale Board of Public Utilities meeting was called to order at the BPU Offices, 45 Monroe Street, Hillsdale, Michigan at 7:00 p.m. by Mr. Bob Batt, Vice President to the Board.

Board Members Present: Mr. Bob Batt
 Ms. Lois Howard
 Mr. Chris Sumnar
 Mr. Eric Hoffman

Board Members Absent: Mr. Barry Hill

Others present: Chris McArthur, BPU Director; Bill Briggs, Water Distribution Superintendent/WWTP Supervisor; Bonnie Tew, Finance Director; Tina Bumpus, Assistant Finance Director; Chad Culbert, Electrical Distribution Superintendent; David Mackie, City Manager; Amy Bayer, Substitute Secretary to the Board.

APPROVAL OF AGENDA AND ANY ADDITIONS

Ms. Howard, supported by Mr. Sumnar moved to approve the agenda. Motion carried by unanimous voice vote.

APPROVAL OF PREVIOUS BOARD MINUTES

Mr. Sumnar, supported by Mr. Hoffman, moved to approve the February 11, 2020 Board Minutes as presented. Motion carried unanimously by voice vote.

Mr. Hoffman, supported by Mr. Sumnar moved to approve the February 17, 2020 Water Committee Minutes as presented. Motion carried unanimously by voice vote.

Ms. Howard, supported by Mr. Hoffman moved to approve the February 25, 2020 Budget Work Session Minutes as presented. Motion carried unanimously by voice vote.

UTILITY BILLS/FINANCIALS

Ms. Howard, supported by Mr. Hoffman, moved to approve the February 2020 bills in the amount of \$437,823.59. Motion carried unanimously by voice vote.

Director McArthur informed the Board that the customer at 2051 W. Reading Rd. has entered into an Interconnection Agreement with the Hillsdale Board of Public Utilities for its solar generator. He stated that this project has been reviewed by our engineer and all qualifications have been met.

Director McArthur updated the Board regarding the Infrastructure Replacement Plan. He reported that staff has continued to work with Fleis & Vandenbrink to update the GIS records for the Infrastructure Replacement Plan that the new city engineer is currently working on. These records are updating the known lead services and material feeding to the houses, which are updated when staff are changing out new water meters.

Director McArthur mentioned some upcoming significant dates.

MPPA Board Meeting, Sturgis	March 11 th & 10:00am
AMP Board Meeting, Columbus	March 18 & 19 th
MSCPA Board Meeting	April 2 nd 10:00am

ACTION ITEMS

1. Approval of Fiscal Year 2021 Budget

The annual FYE 2021 budget was presented to the Board for approval. Once approved, the final budget will be included with the final budgets for the city and submitted for approval from the City Council.

Recommendation: Staff recommended approving the FYE 2021 Budget for City Council consideration.

Mr. Sumnar, supported by Ms. Howard moved to approve the FYE 2021 Budget including the 5 year amortization option for the interdepartmental loan from the Electric Department to the Water/Sewer Department.

2. LTC Inspection and Preventative Maintenance

The Hillsdale BPU has 3 transformers that convert 46kv to 13.2kv two of which are at the power plant and the third at the industrial substation. Each of these transformers are equipped with Load Tap Changers (LTC). Staff recommended that each of these units undergo an inspection and preventative maintenance. Repairs would then be scheduled and carried out under controlled circumstances if any concerns were discovered. Staff would like to have these inspections completed over the next three years. Pricing was gathered from two companies Sunbelt – Solomon (\$21,020) and OTC Services (\$28,550). These prices include draining and disposal of the oil, inspection, cleaning, new oil, adjustments and basic electrical testing. Any parts that may be needed or further repair work would be extra and quoted at that time.

DEPARTMENT AND PROJECT REPORTS

Superintendent Bill Briggs reported that crews cleaned and inspected lines on Westwood Dr. and Westwood St. in preparation for that upcoming project. He also reported that there were two sewer backups. One was located at 96 W Bacon that was jetted, and another located on Howell St. Mr. Briggs stated that the Wastewater Treatment met all permit limits for the month. As far as Water Distribution, crews repaired a main break in the Cavoni's parking lot and removed an abandoned leaking service on Bacon St., and another abandoned service on Bacon St. Mr. Briggs reported that as part of the AMI Meter Exchange 58 water meters were installed.

Superintendent Chad Culbert reported on the Electric Department. Crews replaced poles and several transformers related to the Voltage Upgrade Project. He also stated that the new bucket truck arrived, and has been placed in service, although it will need to be returned to Indianapolis for a minor paint correction. Mr. Culbert mentioned that crews had a demo digger derrick to test out for two weeks, in order to give input when the time comes to replace different vehicles. He also informed that mowing continues on the 277 line west of town. Mr. Culbert reported that there were 2 outages in the month of February, which involved 36 customers. Mr. Culbert informed the Board that any scheduled outages due to continuing work are not tracked due to the planned nature of these short interruptions in service, and that residents are given advance notice.

Superintendent Chad Culbert reported on the Power Plant. Star Crane Service completed inspections on all overhead cranes. He mentioned that some repairs were made to radiant heaters. Mr. Culbert also reported that plant personnel assisted with the installation of a new document room in the administration building as well as helping the IT department install a T.V. and speakers in the boardroom.

OTHER BUSINESS

1. Open Board Seat Discussion

Director McArthur submitted an application for Pete Becker, and City Manager, Mr. Mackie mentioned he was aware of another potential candidate.

This item was tabled for the April 2020 Board Meeting.

MISCELLANEOUS

1. MSCPA General Information

2. MSCPA Minutes

A. January 10, 2020

3. Community Action Agency

A. February 2020

PUBLIC COMMENT

No comment

User: gkeasal
DB: Hillsdale

POST DATES 03/01/2020 - 03/31/2020

JOURNALIZED PAID

BANK CODE: BPUAP

INVOICE NUMBER	DESCRIPTION	AMOUNT	PAID BY CHECK NUMBER
VENDOR NAME: ENVIRONMENTAL MANAGEMENT & DEVELOP			
	TOTAL VENDOR ENVIRONMENTAL MANAGEMENT & DEVELOP	4,197.60	
VENDOR NAME: ENVIRONMENTAL RESOURCES ASSOCIATES			
927479	DEMAND (CBOD) TEST SET	115.86	72318
	TOTAL VENDOR ENVIRONMENTAL RESOURCES ASSOCIATES	115.86	
VENDOR NAME: ESTEL, JARROD T			
03/10/2020	UB refund for account: 030205	78.00	72375
	TOTAL VENDOR ESTEL, JARROD T	78.00	
VENDOR NAME: ETNA			
S103251992.001	GRINDER PUMP	1,490.00	72376
	TOTAL VENDOR ETNA	1,490.00	
VENDOR NAME: FAMILY FARM & HOME			
602/54	BELT, ZIP TIES	70.00	72377
601/54	BELT, ZIP TIES	9.99	72377
000598/W	DUST MASKS, BUNGEE CORDS, ZIP TIES	3.99	72319
000599/W	DUST MASKS, BUNGEE CORDS, ZIP TIES	13.44	72319
0006200/W	DUST MASKS, BUNGEE CORDS, ZIP TIES	51.96	72319
000582/W	DUST MASKS, BUNGEE CORDS, ZIP TIES	(6.00)	72319
597/54	HOSE CLAMP	12.30	72319
	TOTAL VENDOR FAMILY FARM & HOME	155.68	
VENDOR NAME: GELZER & SON INC			
C358841	LIGHT BULB, DRAIN OPENER	15.87	72320
C359063	LIGHT BULB, DRAIN OPENER	31.99	72320
A220426	BATTERY, PAINT	7.98	72378
A220398	BATTERY, PAINT	47.99	72378
A220460	BATTERY, PAINT	47.97	72378
	TOTAL VENDOR GELZER & SON INC	151.80	
VENDOR NAME: HEALTH & SAFETY INSTITUTE			
2340834	SDS WEBSITE CONTRACT	1,640.00	72379
	TOTAL VENDOR HEALTH & SAFETY INSTITUTE	1,640.00	
VENDOR NAME: HEFFERNAN SOFT WATER SERVICE			
118427	DISTILLED WATER WWTP	17.50	72380
118226	DISTILLED WATER WWTP LAB	17.50	72321
	TOTAL VENDOR HEFFERNAN SOFT WATER SERVICE	35.00	
VENDOR NAME: HERSHISER, JESSICA L			
02/27/2020	UB refund for account: 030230	10.70	72322
	TOTAL VENDOR HERSHISER, JESSICA L	10.70	
VENDOR NAME: HILLSDALE FILLING STATION			
02.29.2020	13 SACK LUNCHES FOR MEETING	106.08	72323
	TOTAL VENDOR HILLSDALE FILLING STATION	106.08	
VENDOR NAME: HILLSDALE MEDIA GROUP			
2002-00000849	PUBLIC NOTICE OF SSO 2/18/2020	77.75	72381
	TOTAL VENDOR HILLSDALE MEDIA GROUP	77.75	
VENDOR NAME: HOWARD T MORIARTY COMPANY INC			
7374-BPU	UTILITY WORK AHEAD SIGNS	1,060.00	72324
	TOTAL VENDOR HOWARD T MORIARTY COMPANY INC	1,060.00	
VENDOR NAME: HYDROCORP			
0056233-IN	CROSS CONNECTION CONTROL PROGRAM SERVIC	1,333.00	72325
	TOTAL VENDOR HYDROCORP	1,333.00	
VENDOR NAME: JENKINS, HAROLD D			
03/03/2020	UB refund for account: 013717	142.34	72326
	TOTAL VENDOR JENKINS, HAROLD D	142.34	
VENDOR NAME: JONESVILLE LUMBER			
844067	LUMBER AND DECK SCREWS	68.06	72382

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CUSTOM INVOICE REPORT FOR CITY OF HILLSDALE
POST DATES 03/01/2020 - 03/31/2020
JOURNALIZED PAID
BANK CODE: BPUAP

INVOICE NUMBER	DESCRIPTION	AMOUNT	CHECK NUMBER	PAID BY
VENDOR NAME: MICHIGAN GAS				
2894170034	GAS USAGE FOR JANUARY	1,678.56	72334	
2903528034	WWTP	188.91	72334	
2903802561	WTP	395.57	72334	
TOTAL VENDOR MICHIGAN GAS		2,294.31		
VENDOR NAME: MICHIGAN RURAL WATER ASSOCIATION				
20-13603	2 DAY WATER MATH CLASS MARK, MATT, CRAI	930.00	72335	
TOTAL VENDOR MICHIGAN RURAL WATER ASSOCIATION		930.00		
VENDOR NAME: MIKE SIMONS				
20307984/20104952	REIMBURSEMENT - PARKING	20.00	72336	
TOTAL VENDOR MIKE SIMONS		20.00		
VENDOR NAME: NEWTON, KOURTNEY N				
03/12/2020	UB refund for account: 030357	35.00	72390	
TOTAL VENDOR NEWTON, KOURTNEY N		35.00		
VENDOR NAME: ONLINE INFORMATION SERVICES				
986518	MONTHLY PROCESSING	108.30	72337	
173800000090	MONTHLY PROCESSING	563.45	72337	
TOTAL VENDOR ONLINE INFORMATION SERVICES		671.75		
VENDOR NAME: PERFORMANCE AUTOMOTIVE				
10284-1312489	PLUG AND FITTINGS, PRESSURE GAUGE	40.96	72338	
10284-1312495	PLUG AND FITTINGS, PRESSURE GAUGE	9.39	72338	
10284-1313091	SOCKET, BELTS, REDNTACKY	48.98	72391	
10284-1313846	SOCKET, BELTS, REDNTACKY	10.89	72391	
10284-1313846\	SOCKET, BELTS, REDNTACKY	9.98	72391	
TOTAL VENDOR PERFORMANCE AUTOMOTIVE		120.20		
VENDOR NAME: PETROVICH, JOSEPH G				
03/04/2020	UB refund for account: 014025	30.00	72339	
TOTAL VENDOR PETROVICH, JOSEPH G		30.00		
VENDOR NAME: PITNEY BOWES GLOBAL FIANANCIAL SERV				
3310703499	LEASE	811.86	99	
TOTAL VENDOR PITNEY BOWES GLOBAL FIANANCIAL SERV		811.86		
VENDOR NAME: POWERLINE SUPPLY				
56450411	TAPE / FLAGS / GLOVES	220.00	72392	
56449502	3/8 ROPE	60.00	72392	
56448878	INVENTORY	366.50	72392	
56448017	TAPE / FLAGS / GLOVES	383.00	72340	
56447760	TAPE / FLAGS / GLOVES	654.00	72340	
56448018	INVENTORY	521.00	72340	
56447424	TAPE / FLAGS / GLOVES	428.90	72340	
56390257	MARKING PAINT	70.32	72340	
TOTAL VENDOR POWERLINE SUPPLY		2,703.72		
VENDOR NAME: POWERS CLOTHING, INC.				
8413	UNIFORMS WATER/SEWER AND WASTEWATER	2,986.40	72341	
8411/8412/8395	ELECTRIC DEPT UNIFORMS	11,071.17	72341	
8396	BACKORDERED BIBS AND EMBROIDERY	170.00	72341	
8425	BACKORDERED BIBS AND EMBROIDERY	11.70	72341	
TOTAL VENDOR POWERS CLOTHING, INC.		14,239.27		
VENDOR NAME: PRIORITY HEALTH				
200750000713	HEALTH INSURANCE GROUP 791487	27,144.50	72405	
TOTAL VENDOR PRIORITY HEALTH		27,144.50		
VENDOR NAME: QUADIENT LEASING USA, INC				
N8195033	LEASE	1,274.94	72393	
TOTAL VENDOR QUADIENT LEASING USA, INC		1,274.94		
VENDOR NAME: RAGLESS, THOMAS H				
02/27/2020	UB refund for account: 024046	260.00	72342	
TOTAL VENDOR RAGLESS, THOMAS H		260.00		

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CUSTOM INVOICE REPORT FOR CITY OF HILLSDALE
POST DATES 03/01/2020 - 03/31/2020
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INVOICE NUMBER	DESCRIPTION	AMOUNT	PAID BY CHECK NUMBER
VENDOR NAME: UTILITY SOLUTIONS			
	TOTAL VENDOR UTILITY SOLUTIONS	1,140.46	
VENDOR NAME: VAN BRUNT TRANSPORT, INC			
30272	PEASTONE	778.59	72400
	TOTAL VENDOR VAN BRUNT TRANSPORT, INC	778.59	
VENDOR NAME: VERIZON WIRELESS			
9849563167	CELL PHONES	762.44	72401
	TOTAL VENDOR VERIZON WIRELESS	762.44	
VENDOR NAME: VESTED RISK STRATEGIES INC			
689559-BPU	UMBRELLA - COMMERCIAL	45.00	72402
	TOTAL VENDOR VESTED RISK STRATEGIES INC	45.00	
VENDOR NAME: W C S R INC			
03/10/2020	UB refund for account: 010611	370.18	72403
	TOTAL VENDOR W C S R INC	370.18	
VENDOR NAME: WATKINS OIL COMPANY			
000090-2006001	FUEL PURCHASES	1,657.02	72353
	TOTAL VENDOR WATKINS OIL COMPANY	1,657.02	
VENDOR NAME: WATSON, STAR A			
03/04/2020	UB refund for account: 025989	171.00	72354
	TOTAL VENDOR WATSON, STAR A	171.00	
VENDOR NAME: WRIGHT TREE SERVICE			
032066620	TREE TRIMMING SERVICES	4,112.40	72404
032066619	TREE TRIMMING SERVICES	3,084.30	72404
032066621	TREE TRIMMING SERVICES	4,091.70	72404
032066645	TREE TRIMMING SERVICES	4,112.40	72404
032066831	TREE TRIMMING SERVICES	4,112.40	72404
032066833	TREE TRIMMING SERVICES	4,112.40	72404
032066920	TREE TRIMMING SERVICES	4,112.40	72404
032066921	TREE TRIMMING SERVICES	3,906.78	72404
032066144	TREE TRIMMING SERVICES	4,112.40	72404
	TOTAL VENDOR WRIGHT TREE SERVICE	35,757.18	
GRAND TOTAL:		627,722.83	

MEMO

Hillsdale Board of Public Utilities

TO: Chris McArthur, Director
BPU Board Members

FROM: Bonnie Tew, Finance Director

DATE: April 14, 2020

SUBJECT: February 2020 Financials

All the things that have transpired in the past few weeks has caused us to adjust to a great many changes, in our work life as well as in our families. It is hard to wrap my head around the new developments coming on a daily basis. It's like watching a horror movie unfolding before your very eyes. All that to say, we are closely monitoring the situation and how it is affecting the utility and will keep you abreast of the developments as they come.

In February, the utility's net income for the year to date was more than \$1.7 million for all three funds combined. This is \$583,372 above this same period last year. Total year-to-date revenues for all three funds were up 2.8% from last year, while expenditures for that same period were down 2.7%. The Electric Department net income increased 147% or \$562,434 over last year. The Sewer net income was up 7.11% while the Water Fund was down 5.15%.

User: BTEW

Period Ending 03/31/2020

DB: Hillsdale

Fund 590 SEWER FUND

GL Number	Description	Balance
*** Assets ***		
590-000.000-010.000	RECEIVING FUND-CHECKING	(114,323.15)
590-000.000-012.000	OPERATIONS & MAINTENANCE-CHECKING	64,039.96
590-000.000-016.101	RESTRICTED FUNDS- DEBT SERVICE	599,474.62
590-000.000-016.102	RESTRICTED FUNDS - BOND RESERVES	603,851.25
590-000.000-040.000	ACCOUNTS RECEIVABLE	155,441.38
590-000.000-040.001	OTHER ACCOUNTS RECEIVABLE	3,739.95
590-000.000-041.000	PROVISION FOR BAD DEBTS	(2,938.78)
590-000.000-084.401	DUE FROM CAPITAL IMPROV. FUND	156,145.27
590-000.000-110.000	INVENTORY	4,577.03
590-000.000-123.000	PREPAID EXPENSES	47,503.51
590-000.000-130.000	LAND	122,902.00
590-000.000-139.000	PLANT, SYSTEMS, AND EQUIPMENT	23,856,988.28
590-000.000-150.000	ACCUMULATED DEPRECIATION	(10,827,811.04)
590-000.000-158.000-182002	CONSTRUCTION WORK IN PROGRESS	3,169.00
590-000.000-158.000-183001	CONSTRUCTION WORK IN PROGRESS	239,843.43
590-000.000-158.000-192004	CONSTRUCTION WORK IN PROGRESS	294,887.10
590-000.000-158.000-202001	CONSTRUCTION WORK IN PROGRESS	7,977.00
590-000.000-160.000	DEFERRED OUTFLOW - PENSION	196,822.00
Total Assets		15,412,288.81
*** Liabilities ***		
590-000.000-202.000	ACCOUNTS PAYABLE	1,033.55
590-000.000-214.101	DUE TO GENERAL FUND	135.67
590-000.000-214.401	DUE TO CAPITAL IMPROV. FUND	223,422.59
590-000.000-250.100	MUNICIPAL FINANCING - CURRENT	39,349.63
590-000.000-251.000	ACCRUED INTEREST	(18,828.48)
590-000.000-255.000	CUSTOMER DEPOSITS	8,794.00
590-000.000-300.000	BONDS PAYABLE - LONG TERM	7,330,000.00
590-000.000-343.000	ACCRUED VAC/SICK	25,858.25
590-000.000-350.000	DEFERRED INFLOW - PENSION	34,955.00
590-000.000-355.000	NET PENSION LIABILITY	727,637.00
Total Liabilities		8,372,357.21
*** Fund Balance ***		
590-000.000-396.000	NET POSITION - UNRESTRICTED	6,409,669.23
Total Fund Balance		6,409,669.23
Beginning Fund Balance		6,409,669.23
Net of Revenues VS Expenditures		630,262.37
Ending Fund Balance		7,039,931.60
Total Liabilities And Fund Balance		15,412,288.81

PERIOD ENDING 02/29/2020

% Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		2019-20		YTD BALANCE		YTD BALANCE		ACTIVITY FOR		AVAILABLE		
		06/30/2019	06/30/2019	AMENDED BUDGET	2019-20	02/29/2020	02/28/2019	02/29/20	02/28/2019	MONTH 02/29/20	INCR (DECR)	NORM (ABNORM)	BALANCE	% BGD
		NORM (ABNORM)	NORM (ABNORM)			NORM (ABNORM)	NORM (ABNORM)	NORM (ABNORM)	NORM (ABNORM)					USED
Fund 582 - ELECTRIC FUND														
Revenues														
582-000.000-426.000	INTERDEPARTMENTAL REVENUE	93,005.16	40,000.00	40,000.00	151,290.23	32,005.72	32,005.72	21,434.45	(111,290.23)				378.23	
582-000.000-660.000	RESIDENTIAL SALES	4,604,838.85	4,850,000.00	4,850,000.00	3,209,569.89	3,249,687.50	3,249,687.50	395,331.21	1,640,430.11				66.18	
582-000.000-661.000	BUSINESS SALES	1,338,476.77	1,400,000.00	1,400,000.00	931,259.30	918,420.00	918,420.00	118,418.28	468,740.70				66.52	
582-000.000-662.000	COMMERCIAL SALES	3,217,262.70	3,500,000.00	3,500,000.00	2,206,774.85	2,226,216.44	2,226,216.44	248,805.01	1,293,225.15				63.05	
582-000.000-663.000	INDUSTRY SALES	3,062,875.85	3,325,000.00	3,325,000.00	2,152,453.03	2,083,515.75	2,083,515.75	242,350.71	1,172,546.97				64.74	
582-000.000-664.000	STREET LIGHT SALES	52,026.33	56,000.00	56,000.00	35,449.48	34,672.15	34,672.15	4,464.77	20,550.52				63.30	
582-000.000-665.000	INTEREST	269.92	5,000.00	5,000.00	95,314.79	(13,270.36)	15,328.87	15,328.87	(90,314.79)				1,906.30	
582-000.000-665.100	CHANGE IN INVESTMENTS	67,674.18	20,000.00	20,000.00	22,856.21	32,751.35	32,751.35	(6,095.21)	(2,856.21)				114.28	
582-000.000-669.000	LATE CHARGES	36,833.05	30,000.00	30,000.00	20,292.85	26,756.82	26,756.82	1,853.50	9,707.15				67.64	
582-000.000-673.001	GAIN ON SALE OF PROPERTY	(1.19)	0.00	0.00	9,560.00	0.00	0.00	0.00	(9,560.00)				100.00	
582-000.000-692.001	OTHER REVENUE - MISC OPERATING	121,545.86	80,000.00	80,000.00	79,880.79	58,834.12	58,834.12	3,698.73	119.21				99.85	
582-000.000-693.000	MISC NON-OPERATING INCOME	23,316.32	45,000.00	45,000.00	22,059.44	12,353.51	12,353.51	1,142.83	22,940.56				49.02	
582-000.000-694.000	CASH OVER & (SHORT)	(165.15)	0.00	0.00	100.89	(165.15)	(165.15)	0.00	(100.89)				100.00	
TOTAL REVENUES		12,617,958.65	13,351,000.00	13,351,000.00	8,936,861.75	8,661,777.85	8,661,777.85	1,046,733.15	4,414,138.25				66.94	
Expenditures														
175.000	ADMINISTRATIVE SERVICES	1,760,783.74	1,797,500.00	1,797,500.00	1,058,383.79	995,356.81	995,356.81	140,202.38	739,116.21				58.88	
543.000	PRODUCTION	9,036,164.90	9,262,770.00	9,262,770.00	6,093,975.45	6,282,710.50	6,282,710.50	714,516.92	3,168,794.55				65.79	
544.000	DISTRIBUTION	1,442,814.10	1,611,230.00	1,611,230.00	840,177.03	1,001,819.09	1,001,819.09	102,542.94	771,052.97				52.15	
TOTAL EXPENDITURES		12,239,762.74	12,671,500.00	12,671,500.00	7,992,536.27	8,279,886.40	8,279,886.40	957,262.24	4,678,963.73				63.07	
TOTAL REVENUES		12,617,958.65	13,351,000.00	13,351,000.00	8,936,861.75	8,661,777.85	8,661,777.85	1,046,733.15	4,414,138.25				66.94	
TOTAL EXPENDITURES		12,239,762.74	12,671,500.00	12,671,500.00	7,992,536.27	8,279,886.40	8,279,886.40	957,262.24	4,678,963.73				63.07	
NET OF REVENUES & EXPENDITURES		378,195.91	679,500.00	679,500.00	944,325.48	381,891.45	381,891.45	89,470.91	(264,825.48)				138.97	

PERIOD ENDING 02/29/2020

% Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE 06/30/2019 NORM (ABNORM)	2019-20 AMENDED BUDGET	YTD BALANCE 02/29/2020 NORM (ABNORM)	YTD BALANCE 02/28/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 02/29/20 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BDT USED
Fund 591 - WATER FUND								
Revenues								
591-000.000-426.000	INTERDEPARTMENTAL REVENUE	73,468.95	110,000.00	7,556.85	72,520.37	907.90	102,443.15	6.87
591-000.000-529.000	FEDERAL GRANT	234,660.41	0.00	0.00	0.00	0.00	0.00	0.00
591-000.000-660.000	RESIDENTIAL SALES	616,695.08	655,000.00	437,020.12	414,700.64	52,614.27	217,979.88	66.72
591-000.000-661.000	BUSINESS SALES	133,747.19	150,000.00	102,710.78	87,517.48	11,134.01	47,289.22	68.47
591-000.000-662.000	COMMERCIAL SALES	275,581.45	317,000.00	200,606.89	187,666.51	23,524.63	116,393.11	63.28
591-000.000-663.000	INDUSTRY SALES	150,064.68	150,000.00	114,857.46	101,486.65	13,281.93	35,142.54	76.57
591-000.000-665.000	INTEREST	2,038.77	5,000.00	9,066.88	(4,188.23)	713.86	(4,066.88)	181.34
591-000.000-665.100	CHANGE IN INVESTMENTS	15,645.36	15,000.00	1,906.35	10,987.08	698.12	13,093.65	12.71
591-000.000-668.000	APARTMENT SALES	230,594.61	255,000.00	163,852.15	154,306.53	20,132.58	91,147.85	64.26
591-000.000-669.000	LATE CHARGES	4,885.54	4,000.00	2,612.02	3,528.16	218.93	1,387.98	65.30
591-000.000-673.001	GAIN ON SALE OF PROPERTY	0.00	0.00	2,310.00	0.00	0.00	(2,310.00)	100.00
591-000.000-692.001	OTHER REVENUE - MISC OPERATING	19,816.25	17,500.00	23,403.08	14,702.90	4,636.27	(5,903.08)	133.73
591-000.000-693.000	MISC NON-OPERATING INCOME	5,530.57	5,000.00	2,624.30	4,309.07	300.00	2,375.70	52.49
591-000.000-693.001	MISC NON-OPERATING INCOME-WELL	2,054.48	5,000.00	3,072.50	2,054.48	0.00	1,927.50	61.45
TOTAL REVENUES		1,764,783.34	1,688,500.00	1,071,599.38	1,049,591.64	128,162.50	616,900.62	63.46
Expenditures								
175.000	ADMINISTRATIVE SERVICES	502,242.20	488,210.00	283,307.51	265,521.63	41,754.44	204,902.49	58.03
543.000	PRODUCTION	94,305.93	125,705.00	52,067.06	68,967.50	7,733.54	73,637.94	41.42
544.000	DISTRIBUTION	464,557.35	482,585.00	303,473.29	285,427.71	36,809.10	179,111.71	62.88
545.000	PURIFICATION	274,703.64	251,475.00	181,559.66	164,853.21	(13,242.34)	69,915.34	72.20
TOTAL EXPENDITURES		1,335,809.12	1,347,975.00	820,407.52	784,770.05	73,054.74	527,567.48	60.86
TOTAL REVENUES		1,764,783.34	1,688,500.00	1,071,599.38	1,049,591.64	128,162.50	616,900.62	63.46
TOTAL EXPENDITURES		1,335,809.12	1,347,975.00	820,407.52	784,770.05	73,054.74	527,567.48	60.86
NET OF REVENUES & EXPENDITURES		428,974.22	340,525.00	251,191.86	264,821.59	55,107.76	89,333.14	73.77
TOTAL REVENUES - ALL FUNDS								
TOTAL EXPENDITURES - ALL FUNDS								
TOTAL REVENUES - ALL FUNDS		16,663,370.19	17,335,200.00	11,479,167.41	11,166,755.51	1,355,392.31	5,856,032.59	66.22
TOTAL EXPENDITURES - ALL FUNDS		15,140,997.85	15,888,775.00	9,763,157.57	10,034,117.73	1,194,881.33	6,125,617.43	61.45
NET OF REVENUES & EXPENDITURES		1,522,372.34	1,446,425.00	1,716,009.84	1,132,637.78	160,510.98	(269,584.84)	118.64

* Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		YTD BALANCE		ACTIVITY FOR		AVAILABLE	
		06/30/2019	2019-20	02/29/2020	02/28/2019	MONTH 02/29/20	INCR (DECR)	NORM (ABNORM)	BALANCE	% BGD	USED
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	NORM (ABNORM)	NORM (ABNORM)					
Fund 582 - ELECTRIC FUND											
Expenditures											
582-175.000-925.000	TELEPHONE	14,536.77	8,000.00	10,699.47	8,971.51	1,882.40		(2,699.47)		133.74	
582-175.000-930.000	REPAIRS & MAINTENANCE	8,554.95	15,500.00	2,199.17	5,302.39	564.48		13,300.83		14.19	
582-175.000-935.000	MISCELLANEOUS	0.00	0.00	0.00	22.40	0.00		0.00		0.00	
582-175.000-957.000	PROPERTY TAXES	22.40	0.00	0.00	0.00	0.00		0.00		0.00	
582-175.000-963.000	WRITE OFF BAD DEBT(S)	47,743.31	0.00	0.00	0.00	0.00		0.00		0.00	
582-175.000-968.000	DEPRECIATION	100,628.10	110,000.00	65,088.22	67,013.07	7,946.50		44,911.78		59.17	
582-175.000-970.000	CAPITAL OUTLAY	0.00	16,500.00	0.00	0.00	0.00		16,500.00		0.00	
582-175.000-995.000	DEBT SERVICE - INTEREST	17,509.41	9,900.00	3,913.79	12,291.05	0.00		5,986.21		39.53	
582-175.000-995.101	TRANSFER OUT TO CITY	10,000.00	82,500.00	37,557.02	0.00	0.00		44,942.98		45.52	
TOTAL EXPENDITURES		1,760,783.74	1,797,500.00	1,058,383.79	995,356.81	140,202.38		739,116.21		58.88	
Net - Dept 175.000 - ADMINISTRATIVE SERVICES		(1,760,783.74)	(1,797,500.00)	(1,058,383.79)	(995,356.81)	(140,202.38)		(739,116.21)			
Dept 543.000 - PRODUCTION											
Expenditures											
582-543.000-702.000	WAGES	41,757.93	50,000.00	33,255.66	25,084.99	3,200.00		16,744.34		66.51	
582-543.000-703.000	OVERTIME PAY	2,012.54	3,000.00	1,213.14	1,199.24	0.00		1,786.86		40.44	
582-543.000-704.000	SICK TIME PAY	176.00	0.00	180.88	132.00	0.00		(180.88)		100.00	
582-543.000-705.000	VACATION TIME PAY	880.00	0.00	570.64	880.00	389.76		(570.64)		100.00	
582-543.000-706.000	PERSONAL TIME PAY	616.00	0.00	389.76	528.00	(389.76)		(389.76)		100.00	
582-543.000-710.000	HOLIDAY AND OTHER PAY	1,848.00	0.00	2,845.92	1,584.00	0.00		(2,845.92)		100.00	
582-543.000-720.000	EMPLOYER'S FICA	3,420.83	4,050.00	2,715.77	2,154.39	223.16		1,334.23		67.06	
582-543.000-725.100	MISCELLANEOUS FRINGE EXPENSE	22,026.85	36,570.00	17,880.21	13,096.26	3,442.56		18,689.79		48.89	
582-543.000-726.000	SUPPLIES	847.25	2,500.00	1,930.65	210.18	421.19		569.35		77.23	
582-543.000-739.000	PURCHASED POWER	8,607,248.15	8,750,000.00	5,792,825.99	5,981,579.21	670,689.99		2,957,174.01		66.20	
582-543.000-740.000	FUEL AND LUBRICANTS	1,284.67	2,000.00	904.22	810.40	0.00		1,095.78		45.21	
582-543.000-740.100	FUEL OIL - ENGINE #5	5,636.51	10,000.00	1,725.02	4,426.56	299.72		8,274.98		17.25	
582-543.000-740.200	FUEL OIL - ENGINE #6	9,366.28	13,000.00	2,203.43	7,951.25	397.30		10,796.57		16.95	
582-543.000-740.300	NATURAL GAS - ENGINE #5	5,205.05	10,000.00	3,001.97	3,464.77	87.56		6,998.03		30.02	
582-543.000-740.400	NATURAL GAS - ENGINE #6	5,528.66	10,000.00	3,853.54	3,713.38	58.37		6,146.46		38.54	
582-543.000-742.000	CLOTHING / UNIFORMS	924.12	1,150.00	130.00	150.00	0.00		1,020.00		11.30	
582-543.000-771.000	INVENTORY ADJUSTMENT	0.00	0.00	(6,206.13)	0.00	0.00		6,206.13		100.00	
582-543.000-801.000	CONTRACTUAL SERVICES	21,011.12	35,000.00	34,608.94	17,771.62	1,993.00		391.06		98.88	
582-543.000-850.000	INSURANCE	62,732.13	65,000.00	44,520.70	42,248.31	13,799.98		20,479.30		68.49	
582-543.000-861.000	TRAINING & SEMINARS	132.90	1,000.00	145.72	119.65	0.00		854.28		14.57	
582-543.000-920.400	UTILITIES - GAS	11,315.81	10,000.00	4,652.32	5,987.87	980.02		5,347.68		46.52	
582-543.000-921.000	INTERDEPARTMENTAL EXPENSE	17,801.38	30,000.00	28,422.00	22,133.21	3,860.00		1,578.00		94.74	
582-543.000-925.000	TELEPHONE	330.28	4,500.00	240.71	325.99	240.71		4,259.29		5.35	
582-543.000-930.000	REPAIRS & MAINTENANCE	3,625.94	10,000.00	2,542.88	2,556.60	0.00		7,457.12		25.43	
582-543.000-930.050	REPAIRS & MAINT. - ENGINE #5	4,833.47	15,000.00	243.00	2,233.97	0.00		14,757.00		1.62	
582-543.000-930.060	REPAIRS & MAINT. - ENGINE #6	19,946.70	15,000.00	243.00	17,347.20	0.00		14,757.00		1.62	
582-543.000-968.000	DEPRECIATION	185,656.33	185,000.00	118,935.51	125,021.45	14,823.36		66,064.49		64.29	
TOTAL EXPENDITURES		9,036,164.90	9,262,770.00	6,093,975.45	6,282,710.50	714,516.92		3,168,794.55		65.79	
Net - Dept 543.000 - PRODUCTION		(9,036,164.90)	(9,262,770.00)	(6,093,975.45)	(6,282,710.50)	(714,516.92)		(3,168,794.55)			

User: BTEW
DB: Hillsdale

PERIOD ENDING 02/29/2020
& Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE 06/30/2019 NORM (ABNORM)	2019-20 AMENDED BUDGET	YTD BALANCE 02/29/2020 NORM (ABNORM)	YTD BALANCE 02/28/2019 NORM (ABNORM)	ACTIVITY FOR MONTH 02/29/20 INCR (DECR)	AVAILABLE BALANCE NORM (ABNORM)	% BGD USED
Fund 590 - SEWER FUND								
Dept 000.000								
Revenues								
590-000.000-426.000	INTERDEPARTMENTAL REVENUE	52,245.84	70,000.00	4,178.47	51,205.81	500.38	65,821.53	5.97
590-000.000-529.000	FEDERAL GRANT	156,145.27	0.00	0.00	0.00	0.00	0.00	0.00
590-000.000-660.000	RESIDENTIAL SALES	852,933.98	950,000.00	603,755.06	572,236.84	72,921.68	346,244.94	63.55
590-000.000-661.000	BUSINESS SALES	159,233.63	170,200.00	115,465.88	102,885.36	14,207.91	54,734.12	67.84
590-000.000-662.000	COMMERCIAL SALES	378,704.50	400,000.00	263,295.44	255,234.69	35,067.29	136,704.56	65.82
590-000.000-663.000	INDUSTRY SALES	261,347.84	280,000.00	198,671.29	176,624.55	23,025.48	81,328.71	70.95
590-000.000-665.000	INTEREST	1,659.65	1,000.00	1,069.38	692.21	108.63	(69.38)	106.94
590-000.000-668.000	APARTMENT SALES	323,657.43	330,000.00	230,768.55	215,954.22	28,485.28	99,231.45	69.93
590-000.000-669.000	LATE CHARGES	6,984.88	5,500.00	3,750.95	5,037.83	321.95	1,749.05	68.20
590-000.000-692.001	OTHER REVENUE - MISC OPERATING	76,253.91	80,000.00	45,081.97	68,664.73	5,393.06	34,918.03	56.35
590-000.000-693.000	MISC NON-OPERATING INCOME	11,461.27	9,000.00	4,669.29	6,849.78	465.00	4,330.71	51.88
TOTAL REVENUES		2,280,628.20	2,295,700.00	1,470,706.28	1,455,386.02	180,496.66	824,993.72	64.06
Net - Dept 000.000		2,280,628.20	2,295,700.00	1,470,706.28	1,455,386.02	180,496.66	824,993.72	
Dept 175.000 - ADMINISTRATIVE SERVICES								
Expenditures								
590-175.000-702.000	WAGES	131,239.82	130,215.00	74,489.97	80,435.56	10,013.12	55,725.03	57.21
590-175.000-703.000	OVERTIME PAY	2,227.57	1,000.00	650.67	1,738.97	31.14	349.33	65.07
590-175.000-704.000	SICK TIME PAY	10,983.24	10,725.00	5,590.19	5,787.77	1,242.97	5,134.81	52.12
590-175.000-705.000	VACATION TIME PAY	21,476.16	18,880.00	11,879.99	14,068.31	210.67	7,000.01	62.92
590-175.000-706.000	PERSONAL TIME PAY	4,120.17	4,020.00	2,893.24	2,928.60	175.59	1,126.76	71.97
590-175.000-707.000	LONGEVITY PAY	875.00	3,940.00	2,620.00	875.00	0.00	1,320.00	66.50
590-175.000-710.000	HOLIDAY AND OTHER PAY	16,288.34	12,480.00	12,677.97	13,455.32	169.59	(197.97)	101.59
590-175.000-715.000	HEALTH AND LIFE INSURANCE	81,067.93	87,840.00	51,215.05	47,495.79	17,243.40	36,624.95	58.30
590-175.000-716.000	RETIREMENT	156,690.40	60,820.00	32,192.46	36,184.84	3,708.09	28,627.54	52.93
590-175.000-717.000	WORKERS' COMPENSATION	3,014.83	6,205.00	1,405.84	2,056.51	189.53	4,799.16	22.66
590-175.000-718.000	UNEMPLOYMENT INSURANCE	12,823.66	10,040.00	7,636.31	8,272.46	807.83	2,403.69	76.06
590-175.000-720.000	EMPLOYER'S FICA	1,263.25	2,820.00	991.64	944.37	140.61	1,828.36	35.16
590-175.000-721.000	DISABILITY INSURANCE	(130,368.08)	(129,405.00)	(75,819.75)	(84,397.30)	(13,879.44)	(53,585.25)	58.59
590-175.000-725.100	MISCELLANEOUS FRINGE EXPENSE	8,185.69	7,000.00	4,717.34	6,204.08	406.05	2,282.66	67.39
590-175.000-726.000	SUPPLIES	1,108.33	0.00	34.95	0.00	0.00	(34.95)	100.00
590-175.000-726.200	OFFICE SUPPLIES	937.44	2,000.00	568.02	937.44	0.00	1,431.98	28.40
590-175.000-730.039	BPU VEHICLE MAINT/SUPPLIES	10,171.03	25,000.00	17,817.84	19,597.26	4,211.84	7,182.16	71.27
590-175.000-801.000	CONTRACTUAL SERVICES	14,314.50	20,000.00	10,122.73	8,527.12	1,277.79	9,877.27	50.61
590-175.000-801.200	COMPUTER	207.76	0.00	0.00	207.76	0.00	0.00	0.00
590-175.000-805.000	ACCOUNTING SERVICES	490.00	2,000.00	318.13	0.00	46.25	1,681.87	15.91
590-175.000-806.000	LEGAL SERVICES	2,893.75	3,500.00	3,018.75	2,893.75	0.00	481.25	86.25
590-175.000-808.000	AUDITING SERVICES	7,125.84	10,000.00	9,292.81	4,977.41	540.87	707.19	92.93
590-175.000-810.000	DUES AND SUBSCRIPTIONS	118,570.45	133,660.00	84,756.81	79,393.95	10,422.46	48,903.19	63.41
590-175.000-820.000	PILOT	10,130.45	10,500.00	6,916.27	6,687.53	1,789.38	3,583.73	65.87
590-175.000-850.000	INSURANCE	635.85	2,000.00	1,644.34	46.99	369.35	355.66	82.22
590-175.000-861.000	TRAINING & SEMINARS	0.00	2,000.00	162.69	0.00	0.00	1,837.31	8.13
590-175.000-861.100	TRAINING & SEMINARS - TEC SERV	133.95	2,000.00	122.50	0.00	77.75	1,877.50	6.13
590-175.000-905.000	PUBLISHING / NOTICES	952.50	2,000.00	0.00	0.00	0.00	0.00	0.00
590-175.000-920.100	UTILITIES - SEWER	1,289.52	1,200.00	500.29	484.04	303.15	699.71	41.69
590-175.000-920.400	UTILITIES - GAS	1,997.92	3,000.00	2,223.00	2,023.14	261.00	777.00	74.10
590-175.000-921.000	INTERDEPARTMENTAL EXPENSE	7,046.60	4,000.00	4,687.00	4,263.98	660.10	(687.00)	117.18
590-175.000-925.000	TELEPHONE	5,028.13	10,000.00	833.02	4,082.24	282.19	9,166.98	8.33
590-175.000-930.000	REPAIRS & MAINTENANCE							

PERIOD ENDING 02/29/2020

% Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		2019-20		YTD BALANCE		YTD BALANCE		ACTIVITY FOR		AVAILABLE	
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	AMENDED BUDGET	MONTH 02/29/20	INCR (DECR)	NORM (ABNORM)	BALANCE
Fund 590 - SEWER FUND													
Expenditures													
590-547.000-725.100	MISCELLANEOUS FRINGE EXPENSE	83,571.15	93,135.00	51,933.62	47,652.13	9,122.92	41,201.38	55.76					
590-547.000-726.900	SUPPLIES - LABORATORY	15,584.89	20,000.00	16,237.19	12,663.88	105.67	3,762.81	81.19					
590-547.000-727.500	SUPPLIES - CHLORINE	3,184.98	6,000.00	2,505.03	1,884.98	0.00	3,494.97	41.75					
590-547.000-727.600	SUPPLIES - FERROUS CHLORIDE	16,969.44	15,000.00	4,210.86	8,061.52	0.00	10,789.14	28.07					
590-547.000-727.700	SUPPLIES - DIOXIDE	2,460.05	3,000.00	1,530.09	960.00	0.00	1,469.91	51.00					
590-547.000-727.800	SUPPLIES - MISC. CHEMICALS	5.96	1,000.00	315.00	0.00	0.00	685.00	31.50					
590-547.000-730.039	BPV VEHICLE MAINT/SUPPLIES	1,031.42	2,500.00	1,962.88	1,663.96	88.83	2,500.00	0.00					
590-547.000-740.000	FUEL AND LUBRICANTS	2,235.59	3,000.00	269.92	344.78	0.00	1,037.12	65.43					
590-547.000-742.000	CLOTHING / UNIFORMS	344.78	0.00	269.92	344.78	0.00	(269.92)	100.00					
590-547.000-801.000	CONTRACTUAL SERVICES	125,615.51	125,000.00	59,585.94	75,070.63	4,029.75	65,414.06	47.67					
590-547.000-801.200	COMPUTER	3,815.97	0.00	511.89	2,606.86	170.63	(511.89)	100.00					
590-547.000-850.000	INSURANCE	13,193.52	13,700.00	9,268.90	8,650.08	2,453.70	4,431.10	67.66					
590-547.000-861.000	TRAINING & SEMINARS	624.00	1,500.00	355.00	470.00	0.00	1,145.00	23.67					
590-547.000-920.000	UTILITIES	508.70	0.00	0.00	0.00	0.00	0.00	0.00					
590-547.000-920.400	UTILITIES - GAS	11,968.58	12,000.00	4,996.80	6,512.80	2,204.71	7,003.20	41.64					
590-547.000-921.000	INTERDEPARTMENTAL EXPENSE	44,734.60	67,000.00	47,621.00	44,734.60	47,621.00	19,379.00	71.08					
590-547.000-925.000	TELEPHONE	0.00	1,000.00	0.00	0.00	0.00	1,000.00	0.00					
590-547.000-930.000	REPAIRS & MAINTENANCE	25,444.13	50,000.00	13,010.55	21,962.27	2,954.45	36,989.45	26.02					
590-547.000-930.900	REPAIRS & MAINT - LABORATORY	3,388.48	6,000.00	435.29	3,004.99	25.98	5,564.71	7.25					
590-547.000-968.000	DEPRECIATION	96,675.44	320,000.00	64,964.60	67,589.32	8,269.22	255,035.40	20.30					
TOTAL EXPENDITURES		619,362.57	901,540.00	372,483.61	411,876.27	87,576.87	529,056.39	41.32					
Net - Dept 547.000 - TREATMENT		(619,362.57)	(901,540.00)	(372,483.61)	(411,876.27)	(87,576.87)	(529,056.39)						
TOTAL REVENUES		2,280,628.20	2,295,700.00	1,470,706.28	1,455,386.02	180,496.66	824,993.72	64.06					
TOTAL EXPENDITURES		1,565,425.99	1,869,300.00	950,213.78	969,461.28	164,564.35	919,086.22	50.83					
NET OF REVENUES & EXPENDITURES		715,202.21	426,400.00	520,492.50	485,924.74	15,932.31	(94,092.50)	122.07					

PERIOD ENDING 02/29/2020

% Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		YTD BALANCE		ACTIVITY FOR		AVAILABLE	
		06/30/2019	2019-20	02/29/2020	02/28/2019	MONTH 02/29/20	INCR (DECR)	BALANCE	% BGT	USED	
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	NORM (ABNORM)	NORM (ABNORM)	NORM (ABNORM)				
Fund 591 - WATER FUND											
Expenditures											
591-175.000-920.200	UTILITIES - WATER	952.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
591-175.000-920.400	UTILITIES - GAS	1,289.42	1,200.00	500.22	483.98	303.14	699.78	41.69	699.78	41.69	41.69
591-175.000-921.000	INTERDEPARTMENTAL EXPENSE	2,001.91	3,000.00	2,223.00	2,001.91	261.00	777.00	74.10	777.00	74.10	74.10
591-175.000-925.000	TELEPHONE	6,991.99	4,000.00	4,262.46	4,209.45	667.82	(262.46)	106.56	(262.46)	106.56	106.56
591-175.000-930.000	REPAIRS & MAINTENANCE	3,716.35	10,000.00	1,743.03	2,802.23	732.21	8,256.97	17.43	8,256.97	17.43	17.43
591-175.000-963.000	WRITE OFF BAD DEBT(S)	3,616.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
591-175.000-968.000	DEPRECIATION	15,334.03	20,000.00	11,010.03	10,034.56	1,354.68	8,989.97	55.05	8,989.97	55.05	55.05
591-175.000-970.000	CAPITAL OUTLAY	0.00	8,700.00	0.00	0.00	0.00	8,700.00	0.00	8,700.00	0.00	0.00
591-175.000-985.000	DEBT SERVICE - INTEREST	2,553.20	1,525.00	1,156.05	2,106.42	89.85	368.95	75.81	368.95	75.81	75.81
591-175.000-995.101	TRANSFER OUT TO CITY	5,000.00	41,250.00	18,778.51	0.00	0.00	22,471.49	45.52	22,471.49	45.52	45.52
TOTAL EXPENDITURES		502,242.20	488,210.00	283,307.51	265,521.63	41,754.44	204,902.49	58.03	204,902.49	58.03	58.03
Net - Dept 175.000 - ADMINISTRATIVE SERVICES		(502,242.20)	(488,210.00)	(283,307.51)	(265,521.63)	(41,754.44)	(204,902.49)		(204,902.49)		
Dept 543.000 - PRODUCTION											
Expenditures											
591-543.000-702.000	WAGES	4,208.39	5,000.00	2,561.22	2,758.78	301.46	2,438.78	51.22	2,438.78	51.22	51.22
591-543.000-703.000	OVERTIME PAY	2,658.34	3,000.00	1,473.52	2,090.63	119.22	1,526.48	49.12	1,526.48	49.12	49.12
591-543.000-715.000	HEALTH AND LIFE INSURANCE	25.56	0.00	0.00	25.56	0.00	0.00	0.00	0.00	0.00	0.00
591-543.000-720.000	EMPLOYER'S FICA	476.45	615.00	288.44	333.84	29.82	326.56	46.90	326.56	46.90	46.90
591-543.000-721.000	DISABILITY INSURANCE	30.56	0.00	0.00	30.56	0.00	0.00	0.00	0.00	0.00	0.00
591-543.000-725.100	MISCELLANEOUS FRINGE EXPENSE	4,045.87	4,890.00	2,487.51	2,627.15	465.27	2,402.49	50.87	2,402.49	50.87	50.87
591-543.000-801.000	CONTRACTUAL SERVICES	1,800.00	4,000.00	2,285.00	1,800.00	0.00	1,715.00	57.13	1,715.00	57.13	57.13
591-543.000-850.000	INSURANCE	6,863.31	7,200.00	4,446.58	4,527.71	943.17	2,753.42	61.76	2,753.42	61.76	61.76
591-543.000-861.000	TRAINING & SEMINARS	896.24	1,000.00	0.00	385.00	0.00	1,000.00	0.00	1,000.00	0.00	0.00
591-543.000-921.000	INTERDEPARTMENTAL EXPENSE	40,753.40	48,000.00	19,510.00	30,977.40	2,941.00	28,490.00	40.65	28,490.00	40.65	40.65
591-543.000-930.000	REPAIRS & MAINTENANCE	1,670.73	12,000.00	1,451.82	1,315.27	738.23	10,548.18	12.10	10,548.18	12.10	12.10
591-543.000-930.400	MAINTENANCE - WELL #4	143.99	0.00	0.00	143.99	0.00	0.00	0.00	0.00	0.00	0.00
591-543.000-968.000	DEPRECIATION	30,733.09	40,000.00	17,562.97	21,951.61	2,195.37	22,437.03	43.91	22,437.03	43.91	43.91
TOTAL EXPENDITURES		94,305.93	125,705.00	52,067.06	68,967.50	7,733.54	73,637.94	41.42	73,637.94	41.42	41.42
Net - Dept 543.000 - PRODUCTION		(94,305.93)	(125,705.00)	(52,067.06)	(68,967.50)	(7,733.54)	(73,637.94)		(73,637.94)		
Dept 544.000 - DISTRIBUTION											
Expenditures											
591-544.000-702.000	WAGES	103,299.65	90,000.00	53,520.30	65,899.77	6,849.15	36,479.70	59.47	36,479.70	59.47	59.47
591-544.000-703.000	OVERTIME PAY	24,597.10	15,000.00	10,244.03	18,288.31	1,472.19	4,755.97	68.29	4,755.97	68.29	68.29
591-544.000-710.000	HOLIDAY AND OTHER PAY	499.98	0.00	666.64	166.66	83.33	(666.64)	100.00	(666.64)	100.00	100.00
591-544.000-715.000	HEALTH AND LIFE INSURANCE	102.24	0.00	0.00	102.24	0.00	0.00	0.00	0.00	0.00	0.00
591-544.000-720.000	EMPLOYER'S FICA	9,275.47	8,035.00	4,698.07	6,096.59	601.18	3,336.93	58.47	3,336.93	58.47	58.47
591-544.000-721.000	DISABILITY INSURANCE	92.28	0.00	0.00	92.28	0.00	0.00	0.00	0.00	0.00	0.00
591-544.000-725.100	MISCELLANEOUS FRINGE EXPENSE	70,769.95	64,050.00	38,745.13	44,260.33	9,108.72	25,304.87	60.49	25,304.87	60.49	60.49
591-544.000-726.800	SUPPLIES - OPERATIONS	6,258.20	15,000.00	3,946.24	6,058.66	0.00	11,053.76	26.31	11,053.76	26.31	26.31
591-544.000-730.039	BPV VEHICLE MAINT/SUPPLIES	0.00	2,000.00	852.14	0.00	315.93	1,147.86	42.61	1,147.86	42.61	42.61
591-544.000-740.000	FUEL AND LUBRICANTS	6,830.45	8,000.00	4,124.43	4,669.21	532.59	4,875.57	39.06	4,875.57	39.06	39.06
591-544.000-742.000	CLOTHING / UNIFORMS	2,555.36	2,000.00	432.80	250.00	0.00	1,567.20	21.64	1,567.20	21.64	21.64

PERIOD ENDING 02/29/2020

% Fiscal Year Completed: 66.67

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		YTD BALANCE		ACTIVITY FOR		AVAILABLE			
		06/30/2019	2019-20	02/29/2020	02/28/2019	02/29/20	MONTH	02/29/20	INCR	(DECR)	NORM	(ABNORM)	BALANCE
	TOTAL REVENUES - ALL FUNDS	16,663,370.19	17,335,200.00	11,479,167.41	11,166,755.51	1,355,392.31	1,355,392.31			5,856,032.59		56.22	
	TOTAL EXPENDITURES - ALL FUNDS	15,140,997.85	15,888,775.00	9,763,157.57	10,034,117.73	1,194,881.33	1,194,881.33			6,125,617.43		61.45	
	NET OF REVENUES & EXPENDITURES	1,522,372.34	1,446,425.00	1,716,009.84	1,132,637.78	160,510.98	160,510.98			(269,584.84)		118.64	

GL NUMBER	DESCRIPTION	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020
582-175.000-861.000	TRAINING & SEMINARS	133.50	354.72	480.18	1,518.25	1,247.05	186.25	556.63	196.80
582-175.000-861.100	TRAINING & SEMINARS - TEC SERVICES	0.00	0.00	0.00	0.00	0.00	0.00	325.38	0.00
582-175.000-880.000	COMMUNITY PROMOTION	75.00	183.50	0.00	1,287.14	926.50	305.50	8,033.51	0.00
582-175.000-906.000	SPONSORSHIPS	0.00	0.00	5.00	(5.00)	0.00	0.00	0.00	0.00
582-175.000-920.300	UTILITIES - ELECTRIC	681.00	606.50	(1,287.50)	0.00	0.00	0.00	0.00	0.00
582-175.000-920.400	UTILITIES - GAS	0.00	(223.58)	112.91	112.24	35.13	171.77	185.79	606.30
582-175.000-921.000	INTERDEPARTMENTAL EXPENSE	36.00	36.00	1,923.50	568.00	558.50	543.50	510.50	558.00
582-175.000-925.000	TELEPHONE	0.00	761.36	1,674.57	1,991.43	484.09	2,076.93	1,828.69	1,882.40
582-175.000-930.000	REPAIRS & MAINTENANCE	80.00	150.00	442.00	346.09	258.15	8,039.45	70.00	564.48
582-175.000-968.000	DEPRECIATION	8,982.78	8,020.02	8,020.01	8,020.01	8,020.00	8,039.45	8,039.45	7,946.50
582-175.000-995.000	DEBT SERVICE - INTEREST	1,304.59	1,304.59	1,304.61	0.00	0.00	0.00	0.00	0.00
582-175.000-995.101	TRANSFER OUT TO CITY	0.00	0.00	0.00	0.00	0.00	0.00	37,557.02	0.00
	Total Dept 175.000 - ADMINISTRATIVE SERVICES	118,667.95	130,829.37	129,894.91	148,967.05	122,539.48	124,484.64	153,609.16	140,202.38
Dept 543.000 - PRODUCTION									
582-543.000-702.000	WAGES	2,407.96	3,924.88	3,486.34	5,566.40	4,982.72	6,367.84	3,319.52	3,200.00
582-543.000-703.000	OVERTIME PAY	271.32	644.39	16.96	262.20	0.00	0.00	18.27	0.00
582-543.000-704.000	SICK TIME PAY	180.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
582-543.000-705.000	VACATION TIME PAY	180.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
582-543.000-706.000	PERSONAL TIME PAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
582-543.000-710.000	HOLIDAY AND OTHER PAY	180.88	0.00	180.88	0.00	0.00	0.00	779.52	(389.76)
582-543.000-725.100	EMPLOYER'S FICA	207.06	322.52	256.63	408.41	382.55	514.77	400.67	223.16
582-543.000-726.000	MISCELLANEOUS FRINGE EXPENSE	813.34	2,839.97	2,731.62	2,972.61	3,881.02	1,620.31	(421.22)	3,442.56
582-543.000-739.000	SUPPLIES	0.00	163.28	42.00	21.00	5.40	1,168.97	108.81	421.19
582-543.000-740.000	PURCHASED POWER	836,606.34	737,900.96	786,577.62	648,123.32	714,314.14	696,033.07	702,580.55	670,689.99
582-543.000-740.100	FUEL AND LUBRICANTS	0.00	44.77	72.20	787.25	0.00	0.00	0.00	0.00
582-543.000-740.200	FUEL OIL - ENGINE #5	451.58	403.07	0.00	312.18	258.47	0.00	0.00	299.72
582-543.000-740.300	FUEL OIL - ENGINE #6	838.66	0.00	0.00	579.76	387.71	0.00	0.00	397.30
582-543.000-740.400	NATURAL GAS - ENGINE #5	0.00	1,277.88	1,318.62	0.00	0.00	0.00	0.00	87.56
582-543.000-740.500	NATURAL GAS - ENGINE #6	0.00	1,330.04	2,062.45	0.00	0.00	0.00	402.68	58.37
582-543.000-742.000	CLOTHING / UNIFORMS	200.00	439.99	132.45	0.00	0.00	(642.44)	0.00	0.00
582-543.000-771.000	INVENTORY ADJUSTMENT	0.00	0.00	18.12	0.00	0.00	0.00	(6,224.25)	0.00
582-543.000-801.000	CONTRACTUAL SERVICES	0.00	1,763.00	4,195.00	12,907.00	0.00	150.00	13,600.94	1,993.00
582-543.000-850.000	INSURANCE	5,120.12	5,120.12	5,120.12	5,120.12	5,120.12	5,120.12	0.00	13,799.98
582-543.000-861.000	TRAINING & SEMINARS	0.00	0.00	0.00	0.00	145.72	0.00	0.00	0.00
582-543.000-921.000	UTILITIES - GAS	0.00	0.00	0.00	1.48	913.56	0.00	2,757.26	980.02
582-543.000-925.000	INTERDEPARTMENTAL EXPENSE	3,674.00	3,437.00	2,901.00	2,136.00	2,984.00	3,755.00	5,675.00	3,860.00
582-543.000-930.000	REPAIRS & MAINTENANCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	240.71
582-543.000-930.050	REPAIRS & MAINT. - ENGINE #5	0.00	358.23	0.00	1,245.08	814.59	44.88	80.10	0.00
582-543.000-930.060	REPAIRS & MAINT. - ENGINE #6	0.00	0.00	243.00	0.00	0.00	0.00	0.00	0.00
582-543.000-968.000	DEPRECIATION	14,881.46	14,881.46	14,881.46	14,881.45	14,881.46	14,881.44	14,823.42	14,823.36
	Total Dept 543.000 - PRODUCTION	866,014.48	774,851.56	824,479.47	695,324.26	749,436.34	729,723.72	739,638.70	714,516.92
Dept 544.000 - DISTRIBUTION									
582-544.000-702.000	WAGES	17,340.89	14,811.21	20,973.00	22,311.09	21,738.10	23,354.79	19,695.38	18,386.75
582-544.000-703.000	OVERTIME PAY	6,228.90	7,573.75	2,880.59	4,783.94	2,910.61	2,764.49	803.15	784.82
582-544.000-720.000	EMPLOYER'S FICA	1,707.39	1,619.61	1,833.45	1,947.73	1,761.71	1,765.48	1,429.49	1,386.75
582-544.000-725.100	MISCELLANEOUS FRINGE EXPENSE	12,506.59	8,504.59	19,205.77	11,847.96	20,238.04	9,817.79	11,573.03	19,556.88
582-544.000-726.800	SUPPLIES - OPERATIONS	1,388.51	1,978.49	1,498.34	2,400.56	6,277.83	2,015.01	3,076.31	2,933.17
582-544.000-730.000	VEH./EQUIP. MAINT. SUPPLIES	27.25	3,140.78	437.25	3,684.38	1,691.45	2,341.53	190.16	4,127.75
582-544.000-740.000	FUEL AND LUBRICANTS	37.99	1,936.34	1,293.90	1,242.08	1,385.85	1,080.33	1,265.03	1,555.03

GL NUMBER	DESCRIPTION	MONTH ACTIVITY JULY 2019	MONTH ACTIVITY AUGUST 2019	MONTH ACTIVITY SEPTEMBER 2019	MONTH ACTIVITY OCTOBER 2019	MONTH ACTIVITY NOVEMBER 2019	MONTH ACTIVITY DECEMBER 2019	MONTH ACTIVITY JANUARY 2020	MONTH ACTIVITY FEBRUARY 2020
Fund 590 - SEWER FUND									
Revenues									
Dept 000.000									
590-000.000-426.000	INTERDEPARTMENTAL REVENUE	382.33	359.77	966.75	492.56	500.52	518.59	457.57	500.38
590-000.000-560.000	RESIDENTIAL SALES	70,808.42	78,470.26	79,874.94	75,297.85	74,607.05	75,866.70	75,908.16	72,921.68
590-000.000-561.000	BUSINESS SALES	13,154.93	15,143.07	15,174.86	15,127.39	14,844.65	14,261.84	13,551.23	14,207.91
590-000.000-562.000	COMMERCIAL SALES	27,077.01	30,267.18	35,874.34	37,718.74	36,417.04	32,434.82	28,439.02	35,067.29
590-000.000-563.000	INDUSTRY SALES	24,906.49	26,211.84	26,936.88	27,363.00	26,746.08	22,275.00	21,206.52	23,025.48
590-000.000-565.000	INTEREST	115.71	115.71	202.97	115.83	111.57	182.93	116.03	108.63
590-000.000-568.000	APARTMENT SALES	27,237.02	30,887.74	30,396.97	28,745.08	28,482.70	27,305.88	29,227.88	28,485.28
590-000.000-569.000	LATE CHARGES	478.42	739.19	530.94	467.63	296.11	436.24	480.47	321.95
590-000.000-692.001	OTHER REVENUE - MISC OPERATING RE	5,647.52	6,588.59	5,036.95	5,816.20	4,546.86	3,372.71	8,620.08	5,393.06
590-000.000-693.000	MISC NON-OPERATING INCOME	713.50	801.68	714.33	542.28	300.00	920.00	212.50	465.00
	Total Dept 000.000	170,521.35	189,585.03	195,769.93	191,686.56	186,852.58	177,574.71	178,219.46	180,496.66
	TOTAL REVENUES	170,521.35	189,585.03	195,769.93	191,686.56	186,852.58	177,574.71	178,219.46	180,496.66
Expenditures									
Dept 175.000 - ADMINISTRATIVE SERVICES									
590-175.000-702.000	WAGES	6,813.93	8,586.13	8,535.89	14,542.37	10,141.08	8,488.75	7,388.70	10,013.12
590-175.000-703.000	OVERTIME PAY	260.21	63.05	66.88	125.41	28.38	14.50	61.10	31.14
590-175.000-704.000	SICK TIME PAY	1,146.42	264.67	388.27	494.92	706.72	960.01	406.21	1,242.97
590-175.000-705.000	VACATION TIME PAY	1,818.83	3,125.23	1,980.52	1,305.71	810.94	545.63	2,082.46	210.67
590-175.000-706.000	PERSONAL TIME PAY	288.12	240.39	390.16	43.21	117.19	232.04	1,406.54	175.59
590-175.000-707.000	LONGEVITY PAY	0.00	0.00	0.00	0.00	1,100.00	1,520.00	0.00	0.00
590-175.000-710.000	HOLIDAY AND OTHER PAY	1,460.33	175.49	1,459.68	240.89	1,396.24	2,641.62	5,134.13	169.59
590-175.000-715.000	HEALTH AND LIFE INSURANCE	6,481.27	6,633.53	6,481.27	6,481.27	6,974.75	3,272.96	591.60	17,243.40
590-175.000-716.000	RETIREMENT	145.63	3,960.54	7,990.53	4,195.95	4,234.42	7,591.16	426.14	3,708.09
590-175.000-717.000	WORKERS' COMPENSATION	239.58	95.42	167.25	167.50	167.50	189.53	189.53	189.53
590-175.000-718.000	UNEMPLOYMENT INSURANCE	0.00	0.00	0.00	0.00	0.00	0.00	650.00	0.00
590-175.000-720.000	EMPLOYER'S FICA	731.14	877.10	900.53	1,181.96	936.62	1,032.85	1,168.28	807.83
590-175.000-721.000	DISABILITY INSURANCE	138.27	138.27	138.27	138.27	0.00	137.34	140.61	140.61
590-175.000-725.100	MISCELLANEOUS FRINGE EXPENSE	(7,540.31)	(9,390.99)	(12,636.87)	(8,423.03)	(9,334.65)	(6,906.32)	(7,708.14)	(13,879.44)
590-175.000-726.000	SUPPLIES	145.01	1,342.76	162.83	1,175.97	293.73	800.07	390.92	406.05
590-175.000-726.200	OFFICE SUPPLIES	3.50	2.00	(5.50)	0.00	0.00	0.00	34.95	0.00
590-175.000-730.059	BPU VEHICLE MAINT/SUPPLIES	0.00	0.00	34.25	106.12	0.00	427.65	0.00	0.00
590-175.000-801.000	CONTRACTUAL SERVICES	568.50	1,908.31	2,061.16	1,911.14	2,083.22	3,946.58	1,127.09	4,211.84
590-175.000-801.200	COMPUTER	508.60	507.69	1,825.03	1,179.38	1,351.85	2,073.26	1,399.13	1,277.79
590-175.000-806.000	LEGAL SERVICES	0.00	187.50	0.00	65.63	0.00	18.75	0.00	46.25
590-175.000-808.000	AUDITING SERVICES	0.00	0.00	0.00	1,875.00	1,143.75	0.00	0.00	0.00
590-175.000-810.000	DUES AND SUBSCRIPTIONS	490.16	490.16	490.16	493.49	570.49	6,589.37	(371.89)	540.87
590-175.000-820.000	PILOT	9,791.03	10,858.81	11,334.08	11,055.96	10,865.85	10,328.65	10,099.97	10,422.46
590-175.000-850.000	INSURANCE	854.48	854.48	854.48	854.48	854.48	854.48	0.00	1,789.38
590-175.000-861.000	TRAINING & SEMINARS	66.75	44.14	12.50	396.76	162.69	724.98	(132.83)	369.35
590-175.000-861.100	TRAINING & SEMINARS - TEC SERVICES	0.00	0.00	0.00	0.00	0.00	0.00	162.69	0.00
590-175.000-880.000	COMMUNITY PROMOTION	37.50	91.75	0.00	525.25	463.25	152.75	4,016.75	0.00
590-175.000-905.000	PUBLISHING / NOTICES	0.00	0.00	0.00	44.75	0.00	0.00	0.00	77.75
590-175.000-906.000	SPONSORSHIPS	0.00	0.00	2.50	(2.50)	0.00	0.00	0.00	0.00
590-175.000-920.100	UTILITIES - SEWER	340.50	303.25	(643.75)	0.00	0.00	0.00	0.00	0.00

GL NUMBER	DESCRIPTION	MONTH ACTIVITY											
		JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020				
Fund 590 - SEWER FUND:													
	TOTAL REVENUES	170,521.35	189,585.03	195,769.93	191,686.56	186,852.58	177,574.71	178,219.46	180,496.66				
	TOTAL EXPENDITURES	96,425.33	99,269.74	108,656.04	127,525.04	112,277.74	103,133.58	143,649.21	164,564.35				
	NET OF REVENUES & EXPENDITURES	74,096.02	90,315.29	87,113.89	64,161.52	74,574.84	74,441.13	34,570.25	15,932.31				

GL NUMBER	DESCRIPTION	MONTH ACTIVITY JULY 2019	MONTH ACTIVITY AUGUST 2019	MONTH ACTIVITY SEPTEMBER 2019	MONTH ACTIVITY OCTOBER 2019	MONTH ACTIVITY NOVEMBER 2019	MONTH ACTIVITY DECEMBER 2019	MONTH ACTIVITY JANUARY 2020	MONTH ACTIVITY FEBRUARY 2020
591-175.000-862.000	LODGING AND MEALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00
591-175.000-880.000	COMMUNITY PROMOTION	37.50	91.75	0.00	525.25	463.25	152.75	4,016.74	0.00
591-175.000-905.000	PUBLISHING / NOTICES	0.00	0.00	0.00	390.30	30.05	0.00	0.00	0.00
591-175.000-906.000	SPONSORSHIPS	0.00	0.00	2.50	(2.50)	0.00	0.00	0.00	0.00
591-175.000-920.200	UTILITIES - WATER	340.50	303.25	(643.75)	0.00	0.00	0.00	0.00	0.00
591-175.000-920.400	UTILITIES - GAS	0.00	(111.79)	56.44	56.11	17.56	85.87	92.89	303.14
591-175.000-921.000	INTERDEPARTMENTAL EXPENSE	0.00	0.00	0.00	286.00	261.25	253.75	237.25	261.00
591-175.000-925.000	TELEPHONE	0.00	390.67	837.28	1,105.90	245.17	602.37	423.25	667.82
591-175.000-930.000	REPAIRS & MAINTENANCE	40.00	75.00	65.00	171.75	129.07	495.00	35.00	732.21
591-175.000-968.000	DEPRECIATION	1,566.04	1,344.97	1,344.97	1,344.96	1,344.69	1,354.69	1,354.72	1,354.68
591-175.000-995.000	DEBT SERVICE - INTEREST	177.30	177.30	177.30	177.30	177.30	89.85	89.85	89.85
591-175.000-995.101	TRANSFER OUT TO CITY	0.00	0.00	0.00	0.00	0.00	0.00	18,778.51	0.00
Total Dept 175.000 - ADMINISTRATIVE SERVICES		23,864.62	31,341.07	33,337.36	43,533.85	36,339.56	33,340.47	45,083.38	41,754.44
Dept 543.000 - PRODUCTION									
591-543.000-702.000	WAGES	134.75	428.64	401.87	361.69	255.88	370.09	306.84	301.46
591-543.000-703.000	OVERTIME PAY	116.91	121.50	159.71	301.31	144.84	277.58	232.45	119.22
591-543.000-708.000	EMPLOYER'S FICA	17.80	38.82	39.76	46.52	29.35	47.56	38.81	29.82
591-543.000-725.100	MISCELLANEOUS FRINGE EXPENSE	141.03	291.59	454.18	230.72	212.13	324.99	367.60	465.27
591-543.000-801.000	CONTRACTUAL SERVICES	0.00	2,285.00	0.00	0.00	0.00	0.00	0.00	0.00
591-543.000-850.000	INSURANCE	583.90	583.90	583.90	583.90	583.90	583.91	0.00	943.17
591-543.000-921.000	INTERDEPARTMENTAL EXPENSE	2,210.00	2,112.00	2,446.00	2,139.00	2,185.00	2,692.00	2,785.00	2,941.00
591-543.000-930.000	REPAIRS & MAINTENANCE	0.00	0.00	0.00	0.00	9,206.70	713.59	(9,206.70)	738.23
591-543.000-968.000	DEPRECIATION	2,195.37	2,195.37	2,195.37	2,195.37	2,195.37	2,195.37	2,195.38	2,195.37
591-543.000-970.000	CAPITAL OUTLAY	0.00	0.00	0.00	16,050.00	(16,050.00)	0.00	0.00	0.00
Total Dept 543.000 - PRODUCTION		5,399.76	8,056.82	6,280.79	21,908.51	(1,236.83)	7,205.09	(3,280.62)	7,733.54
Dept 544.000 - DISTRIBUTION									
591-544.000-702.000	WAGES	4,966.42	7,952.54	6,609.76	11,590.77	6,626.99	5,007.27	3,917.40	6,849.15
591-544.000-703.000	OVERTIME PAY	357.28	2,034.20	1,074.80	3,012.46	31.71	1,484.60	776.79	1,472.19
591-544.000-710.000	HOLIDAY AND OTHER PAY	83.33	83.33	83.33	83.33	83.33	83.33	83.33	83.33
591-544.000-720.000	EMPLOYER'S FICA	388.47	730.46	560.96	1,076.81	500.64	489.90	349.65	601.18
591-544.000-725.100	MISCELLANEOUS FRINGE EXPENSE	3,696.93	5,184.12	6,114.71	4,946.44	3,428.61	3,161.03	3,104.57	9,108.72
591-544.000-726.800	SUPPLIES - OPERATIONS	0.00	67.51	981.43	154.56	2,421.40	0.00	321.34	0.00
591-544.000-730.039	BPU VEHICLE MAINT/SUPPLIES	13.62	0.00	166.50	0.00	300.00	0.00	56.09	315.93
591-544.000-740.000	FUEL AND LUBRICANTS	0.00	201.12	521.07	552.71	805.67	454.83	56.44	532.59
591-544.000-742.000	CLOTHING / UNIFORMS	0.00	0.00	432.80	0.00	0.00	0.00	0.00	0.00
591-544.000-801.000	CONTRACTUAL SERVICES	245.00	3,078.50	1,543.00	1,333.00	1,683.00	2,353.00	1,333.00	1,333.00
591-544.000-801.200	COMPUTER	179.23	179.23	1,923.87	1,474.98	26,679.64	263.59	17,233.83	2,928.26
591-544.000-850.000	INSURANCE	1,198.31	1,198.31	1,198.31	1,198.31	1,198.31	1,198.27	0.00	2,316.99
591-544.000-861.000	TRAINING & SEMINARS	0.00	0.00	100.00	0.00	0.00	0.00	0.00	230.00
591-544.000-921.000	INTERDEPARTMENTAL EXPENSE	159.00	156.00	163.00	151.00	162.00	172.00	192.00	226.00
591-544.000-930.000	REPAIRS & MAINTENANCE	5,475.01	8,581.98	1,923.87	14,749.68	26,679.64	263.59	17,233.83	2,928.26
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SERVI	0.00	0.00	0.00	1,726.31	0.00	0.00	0.00	0.00
591-544.000-955.000	MISCELLANEOUS	0.00	0.00	114.00	(114.00)	0.00	0.00	0.00	0.00
591-544.000-968.000	DEPRECIATION	10,522.72	10,522.71	10,522.71	10,373.63	10,373.62	10,641.12	10,641.13	10,641.13
Total Dept 544.000 - DISTRIBUTION		27,285.32	39,970.01	31,856.67	51,267.81	54,294.92	25,479.57	38,236.20	36,809.10
Dept 545.000 - PURIFICATION									
591-545.000-702.000	WAGES	960.87	1,418.46	1,628.09	2,478.46	5,148.76	6,047.33	3,004.65	4,145.19
591-545.000-703.000	OVERTIME PAY	372.83	314.76	405.54	814.03	1,113.01	928.43	1,215.56	594.34
591-545.000-720.000	EMPLOYER'S FICA	94.00	123.57	144.08	232.70	447.15	496.18	302.92	335.42

**Hillsdale Board of Public Utilities
Capital Projects
Electric Fund (582)
February 29, 2020**

FYE 2020	Project #	Budget	Encumbered	Spent	Balance
Distribution Automation and Monitoring	191002	50,000.00	-	16,124.56	33,875.44
Critical Structural Replacement	191003	75,000.00	-	8,101.68	66,898.32
Voltage Upgrade	191006	250,000.00	57,380.00	160,369.59	32,250.41
Distribution Expansion & Upgrade	201001	100,000.00	-	81,609.76	18,390.24
Substation Equipment Updates	201002	120,000.00	36,300.00	48,297.40	35,402.60
Underground Equipment Boring/Trenching	201003	15,000.00	-	18,855.95	(3,855.95)
Air Compressor Replacement	201004	50,000.00	-	-	50,000.00
ROW Mowing Equipment	201005	150,000.00	-	116,431.00	33,569.00
Furnance/Roof Repair Warehouse	201006	40,000.00	-	20,485.00	19,515.00
Pole Replacement	201007	50,000.00	-	21,086.54	28,913.46
Pole Condition Survey/Testing	201008	40,000.00	-	-	40,000.00
Server Room A/C Units	204001	5,000.00	-	3,500.00	1,500.00
		<u>945,000.00</u>	<u>93,680.00</u>	<u>494,861.48</u>	<u>356,458.52</u>

Cash/Investments Availability

Electric Fund (582)

Checking	\$ 3,012,714.71
Huntington Capital Investments	\$ 5,760,855.36
MSCPA Rate Stabilization Fund	<u>\$ 527,601.00</u>
Total Cash/Investments	<u>\$ 9,301,171.07</u>
Reserve Requirement	\$ (2,720,124.35)
Cash available for Capital Projects at 2-29-2020	<u><u>\$ 6,581,046.72</u></u>

Electric Cash Reserve Requirements:		Based FYE 2019 Audit Figures	
Cash Flow Criteria	Percentage of item to be held as Cash or Cash equivalent	Yearly Value	Cash Reserve Required
Annual Non Fuel and Annual Non Purchased Power Expenses less depreciation	12.3%	\$ 2,175,058.00	267,532.13
Annual Purchased Power Cost Including Debt	4.7%	\$ 8,607,248.00	404,540.66
Historical Value of Assets	3.0%	\$ 28,683,814.00	860,514.42
Annual Debt Payments Not Included in Purchased Power	100.0%	\$ 226,737.14	226,737.14
Five Year Capital Plan Not Funded By Debt	20.0%	\$ 4,804,000.00	960,800.00
Total Cash Reserve Requirements			2,720,124.35

**BPU
Capital Projects
Water Fund (591)
February 29, 2020**

FYE 2020	Project #	Budget	Encumbered	Spent	Balance
Fire Hydrant Replacement	173202		-	4,180.00	(4,180.00)
Well Maintenance	181001	28,000.00	-	-	28,000.00
AMI Water Meter Replacement	181005	30,000.00	-	-	30,000.00
VFD Motor controls for High Service Pump #2	193001	15,000.00	-	-	15,000.00
Valve Replacement	193002		-	8,715.69	(8,715.69)
Filter/Media Replacement - Water Plant	203001	170,000.00	14,500.00	201,384.17	(45,884.17)
Rebuild High Service Pump	203002	30,000.00	-	16,050.00	13,950.00
Server Room A/C Units	204001	2,500.00	-	1,750.00	750.00
PLC Replacement at Water Treatment Plant		60,000.00	-	-	60,000.00
Replace Distribution Vehicle		40,000.00	-	-	40,000.00
		<u>375,500.00</u>	<u>14,500.00</u>	<u>232,079.86</u>	<u>128,920.14</u>

Cash/Investments Availability

Water FUND (591)

Checking	\$ 367,285.76
Huntington Capital Improvement Investment	<u>720,411.22</u>
Total Cash/Investments	<u>\$ 1,087,696.98</u>
Reserve Requirement	\$ (638,270.22)
Cash available for Capital Projects at 2-29-2020	<u>\$ 449,426.76</u>

Water Cash Reserve Requirements:		Based FYE 2019 Audit Figures	
Cash Flow Criteria	Percentage of item to be held as Cash or Cash equivalent	Yearly Value	Cash Reserve Required
Annual operating expenses less depreciation	12.30%	\$ 1,020,705.00	\$ 125,546.72
Historical Value of Assets	0.50%	\$ 6,579,101.00	\$ 32,895.51
Annual debt payments	100%	\$ 40,428.00	\$ 40,428.00
Five Year Capital Plan Not Funded By Debt	20%	\$ 2,197,000.00	\$ 439,400.00
			\$ -
Total Cash Reserve Requirements			\$ 638,270.22

Action Items

April 14, 2020

Board Meeting

Power Plant Air Compressor

The Back-up air compressor will serve as back-up for the only air compressor at the power plant. The previous back-up air compressor is non-operational with parts not available. The air compressors provide the necessary air to start and operate the engines. This project has been budgeted for in the FYE 2020 Capital Budget in the amount of \$50,000. This project went out to bid and had two bidders with the following results:

Howell Mechanical	\$39,950
TMI Compressed Air Systems	\$37,710

Recommendation: Staff recommends awarding the bid to TMI Compressed Air Systems in the amount of \$37,710.

Engine #5 & #6 Maintenance

Per our preventative maintenance requirements, staff recommends performing maintenance on engines #5 & #6. The scope of work is attached and will be performed in a one week time period. The work is performed on a time and material basis, any findings will be addressed on a separate bill. This is figured in the FYE 2020 budget.

Recommendation: Staff recommends contracting Wheeler World Inc. to perform preventative maintenance on engines #5 & #6 for the amount of \$11,757.84

Waste Water Treatment Plant HVAC Change Order #3

This is the final change order for the HVAC system. This change order is for the purchase of gas regulators for the 3 heating units. The gas pressure had to be increased in order to provide enough gas for the units to properly operate. This change order is for the amount of \$1,750 bringing the total contract price from \$362,069 to \$363,819.

Recommendation: Staff recommends accepting Change order #3 in the amount of \$1,750 and revising the contract total to \$363,819.

TMI Compressed Air Systems, Inc.
 2626 Sanford Avenue SW
 Office 616.791.9555 | Fax 616.791.9464
 www.tmicompressors.com



QUOTE No.: 022620HS

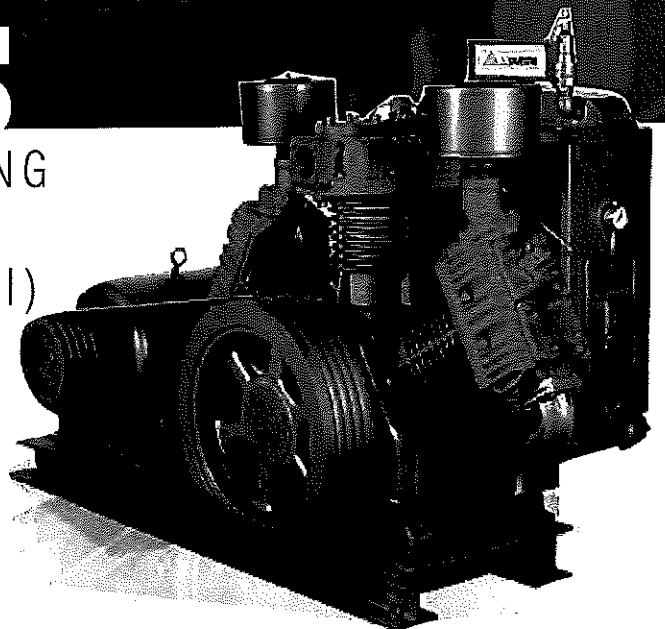
PRICING SUMMARY

	DESCRIPTION	PRICE EACH	TOTAL
Curtis	Model CW-150H-16 Base Mount Air Compressor, 40HP, 117cfm@250psi, Air Cooled, Dual Control, 460/3/60 Voltage, Air Cooled.		
	Standard Features.		
	Automatic Start and Stop		
	V-belt Drive with Multi-Groove Flywheel		
	Large Metal Intake Filter Silencer	\$34.856	\$34,856
	OSHA Approved Totally Enclosed Belt Guard		
	Robust Cast Iron Crankshaft		
	Durable Ductile Iron Crankshaft		
	Magnetic Starter with Control Power 120v Transformer		
	Premium Efficiency DDP Motor		
	Intercooler with Radiating Fins		
	CW100-150 Pressure Lube with Centro Ring Oil System		
	Commissioning, Training, and Start-up	Included	Included
	Installation per Quote 02-27-2020-6635	\$2,854	\$2,854
	GRAND TOTAL		\$37,710.00
		FOB	FACTORY
		TERMS	NET 30
		LEAD TIME	6-8 Weeks



CW SERIES

LARGE INDUSTRIAL RECIPROCATING
AIR COMPRESSORS SINGLE AND
TWO-STAGE 40-125HP (30-250PSI)

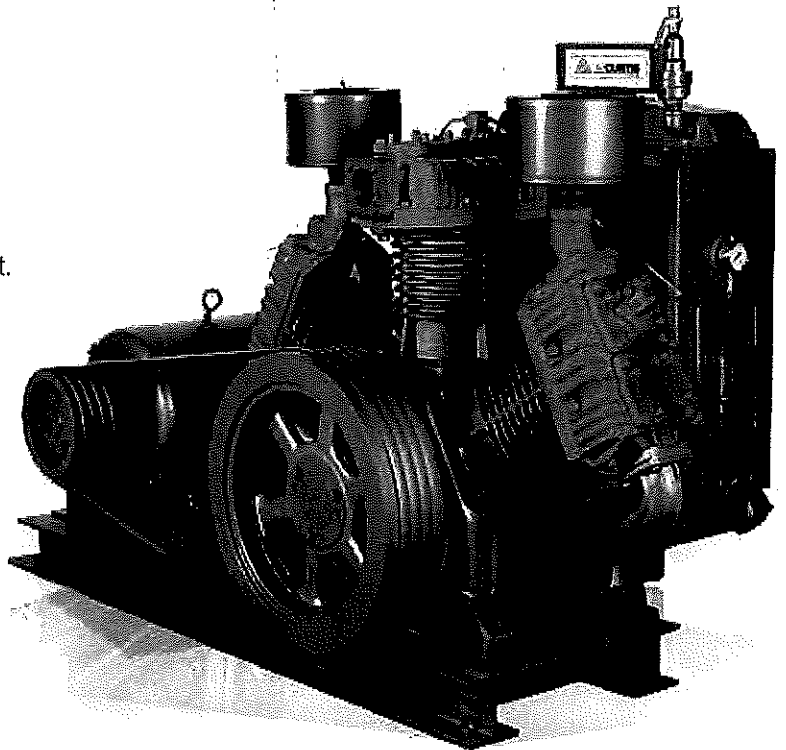




DURABLE AND RELIABLE UNMATCHED PERFORMANCE

HEAVY-DUTY AND HIGHLY RELIABLE

With models ranging from 30 to 250psi, the CW Series performs where other compressor technologies simply cannot. These cast-iron, pressure-lubricated, low-RPM compressors feature stainless steel valve discs, oversized tapered main roller bearings, and a robust ductile iron crankshaft. Low-speed compressor pumps and electric motors also ensure a long service life with low maintenance. It all adds up to reliability for years to come.



TECHNICAL DATA

CW SERIES — SINGLE-STAGE

Low Pressure (30-70 PSIG)

MODEL	HP	CFM @ 40 PSI	CFM @ 70 PSI	DIMENSIONS L×W×H	WEIGHT (LBS)
CW-100S-16	40	N/A	N/A	81×45×47	1950
CW-200S-17	50	346	268	82×43×53	2720
CW-200S-18	60	N/A	297	82×43×53	3000
CW-300S-19	75	562	N/A	92×57×75	3500
CW-300S-20	100	676	530	92×57×75	3700
CW-300S-21	125	N/A	639	92×57×75	3950

CW SERIES — TWO-STAGE

Medium Pressure (100-150 PSIG)

MODEL	HP	CFM @ 100 PSI	CFM @ 125 PSI	CFM @ 150 PSI	DIMENSIONS L×W×H	WEIGHT (LBS)
CW-100-16	40	172	165	149	81×45×47	1950
CW-200-17	50	240	219	206	82×43×53	2720
CW-260-18	60	259	248	237	82×43×53	3000
CW-300-19	75	363	321	303	92×57×75	3500
CW-300-20	100	482	438	413	92×57×75	3700
CW-300-21	125	505	491	475	92×57×75	3950

High Pressure (175-250 PSIG)

MODEL	HP	CFM @ 200 PSI	CFM @ 250 PSI	DIMENSIONS L×W×H	WEIGHT (LBS)
CW-150H-16	40	122	117	81×45×47	1925
CW-150H-17	50	154	146	82×43×53	1975
CW-260H-17	50	191	169	85×40×51	2720
CW-260H-18	60	218	205	82×43×53	3000
CW-300H-20	100	345	323	92×57×75	3700
CW-300H-21	125	437	406	92×57×75	3950

STANDARD EQUIPMENT

- NEMA-1 starter with control power transformer (shipped loose)
- Premium efficient ODP motor
- Constant speed control
- V-belt drive with multi-groove flywheel
- Large metal intake filter silencers
- OSHA-approved enclosed belt guard
- C-100 and C-150 — Pressure lubricated with Centro-ring™ oil system
- C-200, C-260 and C-300 — Pressure lubricated with gear type oil pump to include full flow oil filter, oil pressure gauge and low oil pressure shutdown switch

OPTIONAL EQUIPMENT

- Auto start/stop control
- Dual control
- Low oil shutdown on C-100 and C-150 models
- NEMA-1 high discharge air temperature shutdown
- NEMA-1 high interstage air temperature shutdown
- NEMA-4 control panel enclosure
- TEFC motor



CW-150H-16

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)			
Normal working pressure - psi	200	250	
Capacity at normal working press - cfm	122	117	
Outfit RPM	690	654	
BHP - HP	43.1	42.5	
Basic Pump			
Model	C150H		
Stage	2		
Lubrication type	Centro-Ring Pressure Lube		
Valve type	Disc Valve		
RPM Range (min – max) – rpm	550-900		
Bore (LP/HP) – inch	7.5 / 5		
Stroke – inch	5		
Number of Cylinders (LP / HP)	2 / 1		
Inlet size	2" NPT		
Sheave OD	24.3		
Sheave PD	24.1		
Number of belts	5		
Belt section	C		
Low oil sight glass	Dip Stick		
Oil quantity	4 Gallons		
Unloaders and Method	Suction Head Unloaders		
Noise level – dB(A)	91		
Motor	3-230V	3-460V	3-575V
Enclosure	IP21	IP21	IP21
Insulation Class	F	F	F
Efficiency - %	94.1	94.1	94.1
Nominal rated power – HP	40	40	40
Speed of rotation - rpm	1770	1770	1770
FLA	98	49	40
Service factor	1.15	1.15	1.15
Locked rotor current – A	672	336	269
Starter Coil Voltage	120V	120V	120V
Power Factor	82	82	81
Installation condition			
Allowed ambient temperature min - max - °F	32-104		
Compressor dimensions			
Compressor outlet	2 1/2" NPT		
Length – inch	81		
Width – inch	45		
Height – inch	47		
Weight – Lbs.	2925		

Remark:

- Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
- Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
- Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.

CHAMPION

3-30 HP | RECIPROCATING AIR COMPRESSOR

PL-Series



Customized Solutions Proven Dependability

A Winning Combination

Champion compressors are proven units, known for their reliability over decades of use. We know our products and understand how they operate in many different operating environments. No matter the application, Champion gets the job done.

The Solution to Your Application

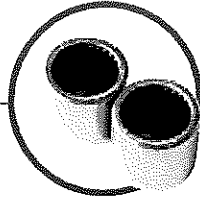
Champion PL-Series pressure lubricated compressors have a time-tested, proven design. Rugged standard features, a wide selection of configurations, and quality available options make the PL-Series compressors the solution to your application. They deliver high performance, long life and tremendous value. Champion compressors are the proven choice.



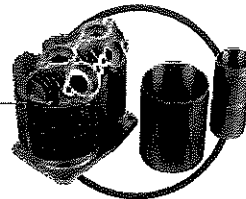
It's All in the Details



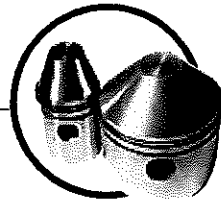
Disc valves provide minimized blow-by and industry proven long life



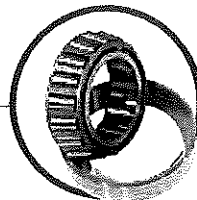
Needle bearings minimize friction between wrist pin and connecting rod



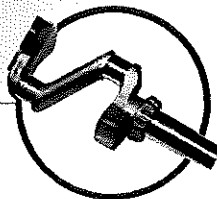
Aluminum body molded over a cast iron sleeve, good heat transfer and durability
*PL-15 & PL-30 only



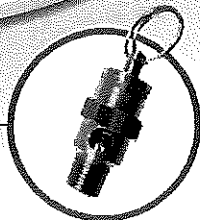
Domed pistons for greater compressor efficiency—"hemi" design



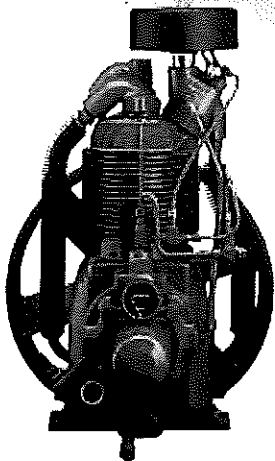
Tapered roller bearings for long life and trouble-free operation



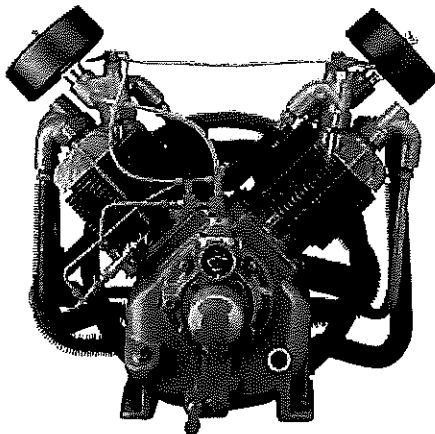
Automotive style double-throw (balanced and counterweighted) crankshaft provides optimum compressor performance



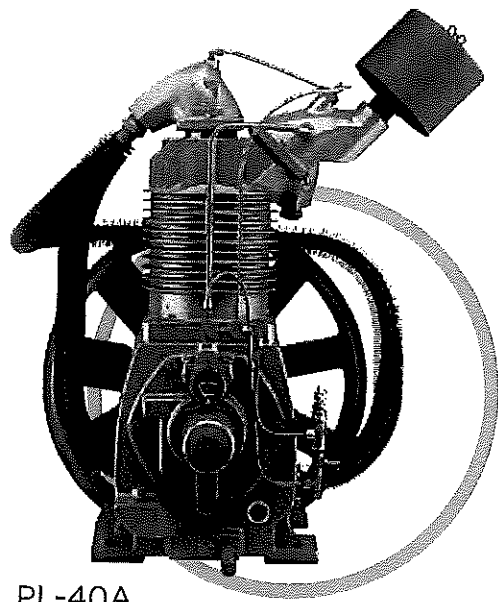
ASME inter-stage pressure relief valve for protection



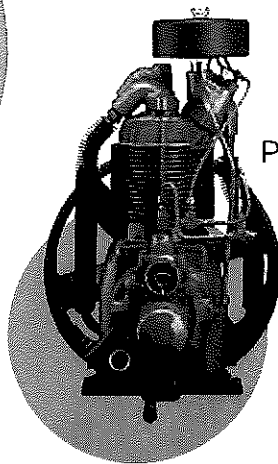
PL-15A



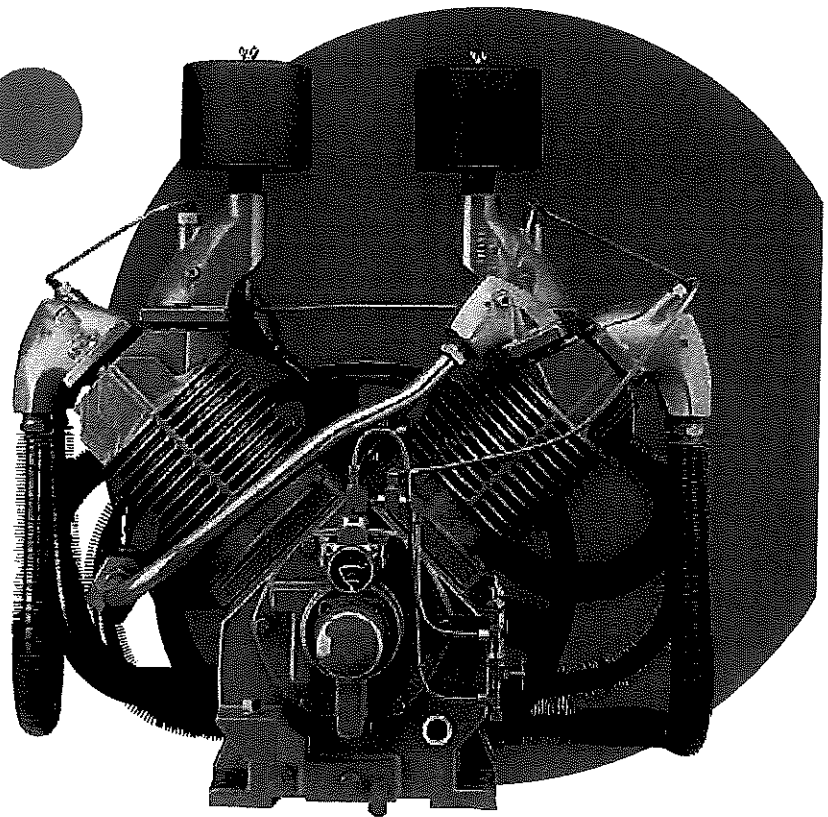
PL-30A



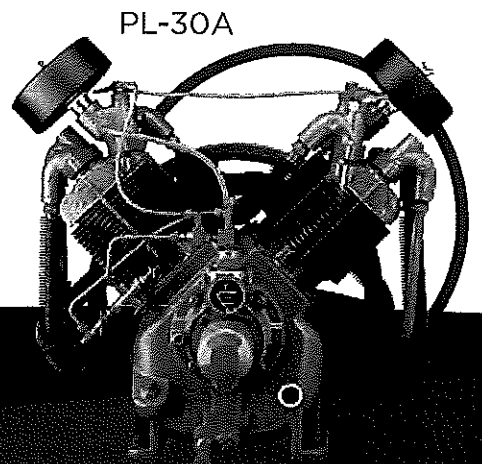
PL-40A



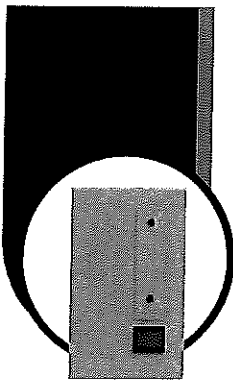
PL-15A



PL-70A

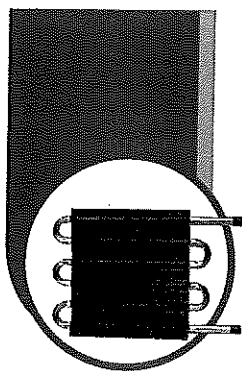


PL-30A



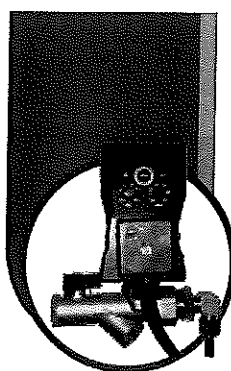
Magnetic Starter (Included as standard on most models)

For thermal overload protection, a starter is required for units 3 HP and up. May be mounted or unmounted.



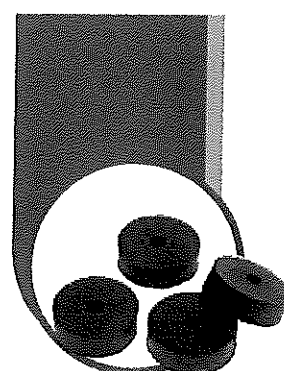
Air-Cooled Or Water-Cooled Aftercooler

The factory mounted, heavy duty, air-cooled aftercooler effectively reduces up to 65% of the moisture from discharged compressed air.



Automatic Tank Drain

Electric timed drain provides control to condensate management.



Vibration Isolators

Isolates the compressor unit from the foundation or floor. Reduces noise and protects the unit from any out-of-level floor situation that could cause vibration and damage.

Other Options

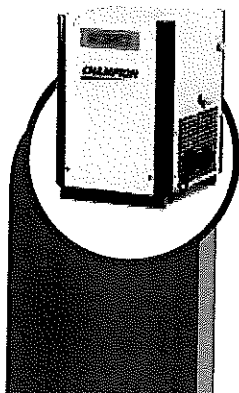
- NEMA 4 rated parts available
- Alternate voltages and TEFC electric motors

Complete Your Package with Quality Accessories

Many options are available to help you develop a Champion compressor package that exactly matches your specific operating requirements.

Refrigerated Air Dryer

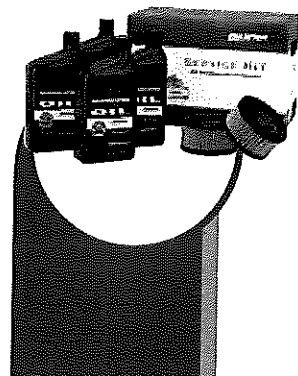
Cools compressed air to a 33-39° dew point, eliminating additional downstream condensation in the air line. Normally, a dryer should be used in conjunction with an aftercooler. Refrigerated and desiccant dryer types are available.



Champion Compressor Lubricants

ChampLub lubricants are blended specifically for Champion compressors for use in harsh compressor environments. They are sourced from extremely stable base stocks and enhanced with carefully selected additive packages to provide long life and superior protection. ChampLub lubricants are suitable for a variety of applications and are available as a mineral oil, synthetic or food-grade synthetic.

Available in 55 gallon drums, 5 gallon pails, 1 gallon bottles and 1 quart bottles.



Premium Extended Warranty

Purchase a Premium Warranty Kit at the same time as your new Champion compressor package to receive extended warranty protection. This offer will double the coverage with an additional 3 years of warranty on the compressor pump (parts & labor) providing 6 YEARS of worry free coverage. The Premium Extended Warranty also provides an extra 12 months coverage on the package for a total of 24 months. See Premium Warranty form BU-28 for complete extended warranty details.

- * Premium Warranty kit has all necessary service items (oil & filters) for 6 years of annual maintenance.
- * The use of approved Champion lubricants are required to maintain the extended warranty period.
- * Duplex machines require two kits, one for each pump.



Pump Model PL-15A

PL-SERIES | 3-7.5 HP RECIPROCATING COMPRESSORS

MOTOR HP	TANK CAPACITY GAL.	HORIZONTAL TANK MOUNTED			VERTICAL TANK MOUNTED			125 PSI RATING		175 PSI RATING		250 PSI RATING	
		PL-SERIES MODELS	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	PL-SERIES CBSPLA	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
3	-	BPL3	38 x 25 x 29.5	230	-	-	-	485	10.9	440	9.7	380	8
3	60	HPL3-6	51 x 22.5 x 49	425	VPL3-6	30.5 x 24 x 76	425	485	10.9	440	9.7	380	8
3	80	HPL3-8	66 x 22.5 x 49	485	VPL3-8	32.5 x 24 x 75	485	485	10.9	440	9.7	380	8
3	120	HPL3-12	71.5 x 25.5 x 53	725	VPL3-12	36 x 30 x 81	725	485	10.9	440	9.7	380	8
5	-	BPL5	38 x 25 x 29.5	280	-	-	-	805	19.1	734	17.3	640	13.6
5	60	HPL5-6	51 x 22.5 x 49	445	VPL5-6	30.5 x 24 x 76	445	805	19.1	734	17.3	640	13.6
5	80	HPL5-8	66 x 22.5 x 49	535	VPL5-8	32.5 x 24 x 75	545	805	19.1	734	17.3	640	13.6
5	120	HPL5-12	71.5 x 25.5 x 53	765	VPL5-12	36 x 30 x 81	765	805	19.1	734	17.3	640	13.6
5 (x2)	80	HPL5D-8	71.5 x 31 x 49	755	-	-	-	805	38.2	734	34.6	640	27.2
5 (x2)	120	HPL5D-12	75 x 30 x 56.5	980	-	-	-	805	38.2	734	34.6	640	27.2
7.5	-	BPL7F	38 x 25 x 29.5	310	-	-	-	990	23.9	990	23.1	870	18.2
7.5	80	HPL7F-8	66 x 22.5 x 49	570	VPL7F-8	32.5 x 24 x 75	635	990	23.9	990	23.1	870	21.3
7.5	120	HPL7F-12	71.5 x 25.5 x 53	765	VPL7F-12	36 x 30 x 81	765	990	23.9	990	23.1	870	21.3
7.5 (x2)	120	HPL7DF-12	75 x 30 x 56.5	1150	-	-	-	990	47.8	990	46.2	870	36.4
7.5 (x2)	250	HPL7DF-25	88.5 x 34.3 x 56.5	1485	-	-	-	990	47.8	990	46.2	870	36.4

Simplex CFM values are doubled for duplex units. Duplex units have two motors and two pumps on one tank.

Pump Model PL-40A

PL-SERIES | 15 HP RECIPROCATING COMPRESSORS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES MODELS	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
15	-	BPL15	49.5 x 27.5 x 38	730	890	59	770	53.7	700	45.8
15	120	HPL15-12	72 x 27.5 x 62	1110	890	59	770	53.7	700	45.8
15	250	HPL15-25	89 x 30.3 x 69	1495	890	59	770	53.7	700	45.8
15 (x2)	250	HPL15D-25	89 x 55.6 x 73.5	2460	890	118	770	107.4	700	91.6

Simplex CFM values are doubled for duplex units. Duplex units have two motors and two pumps on one tank.

Pump Model PL-70A

PL-SERIES | 20-30 HP RECIPROCATING COMPRESSORS

MOTOR HP	TANK CAPACITY GAL.	PL-SERIES MODELS	DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	125 PSI RATING		175 PSI RATING		250 PSI RATING	
					RPM	CFM DEL'Y	RPM	CFM DEL'Y	RPM	CFM DEL'Y
20	-	BPL20	57 x 44 x 40	1000	712	84.9	664	77.8	545	64.1
20	120	HPL20-12	74 x 36 x 65	1517	712	84.9	664	77.8	545	64.1
20	240	HPL20-24	90 x 36 x 71	1871	712	84.9	664	77.8	545	64.1
20 (x2)	240	HPL20D-24	90 x 65 x 75	2845	712	169.8	664	155.6	545	128.2
25	-	BPL25	57 x 44 x 40	1020	907	102.9	776	90.7	660	76.8
25	120	HPL25-12	74 x 36 x 65	1557	907	102.9	776	90.7	660	76.8
25	240	HPL25-24	90 x 36 x 71	1911	907	102.9	776	90.7	660	76.8
25 (x2)	240	HPL25D-24	90 x 65 x 75	2940	907	205.8	776	181.4	660	153.6
30	-	BPL30	57 x 44 x 40	1060	907	102.9	907	101.8	770	90.0
30	120	HPL30-12	74 x 36 x 65	1597	907	102.9	907	101.8	770	90.0
30	240	HPL30-24	90 x 36 x 71	1951	907	102.9	907	101.8	770	90.0
30 (x2)	240	HPL30D-24	90 x 65 x 75	3018	907	205.8	907	203.6	770	180.0

Simplex CFM values are doubled for duplex units. Duplex units have two motors and two pumps on one tank.

Bare Pumps

PL-SERIES RECIPROCATING COMPRESSOR

MODEL	# OF CYLINDERS	BORE DIA. INCHES	STROKE INCHES	OIL CAPACITY QUARTS	UNIT DIMENSIONS L x W x H INCHES	APPROX. SHIP WEIGHT LBS.	MINIMUM RPM	MAXIMUM RPM
PL-15A	2	4.63 & 2.5	3	2	20 x 17 x 24	135	375	1050
PL-30A	4	4.63 & 2.5	3	4	22 x 24 x 24	240	400	1050
PL-40A	2	6.25 & 3.25	4.5	4	26 x 26 x 32	460	425	1000
PL-70A	4	6.25 & 3.25	4.5	6.5	27 x 33 x 34	590	425	1000

DD-B-1713

QUOTE NO. _____

DATE: _____

MODEL NO.: _____

NOTES:

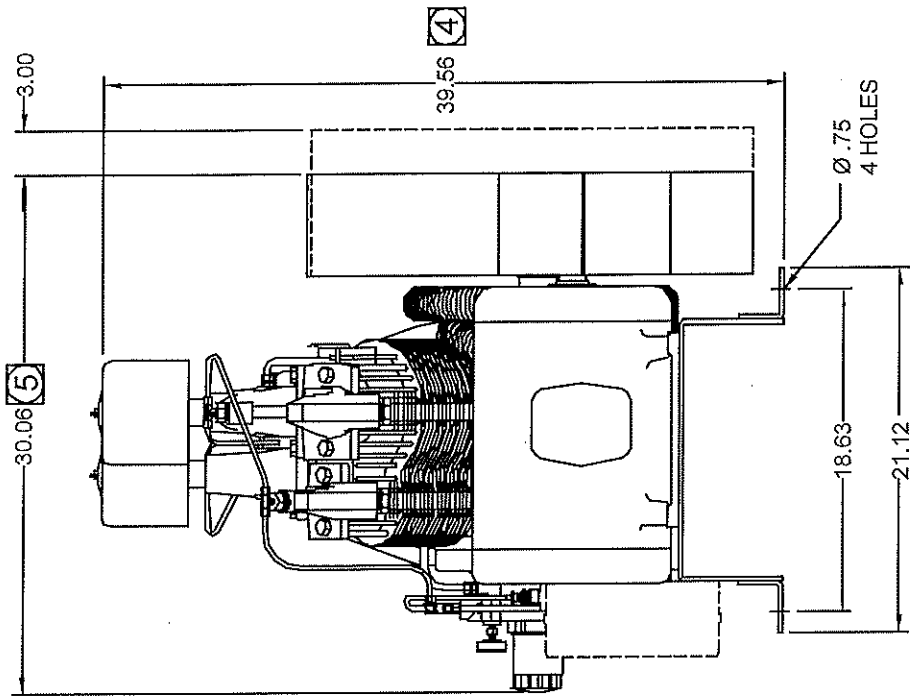
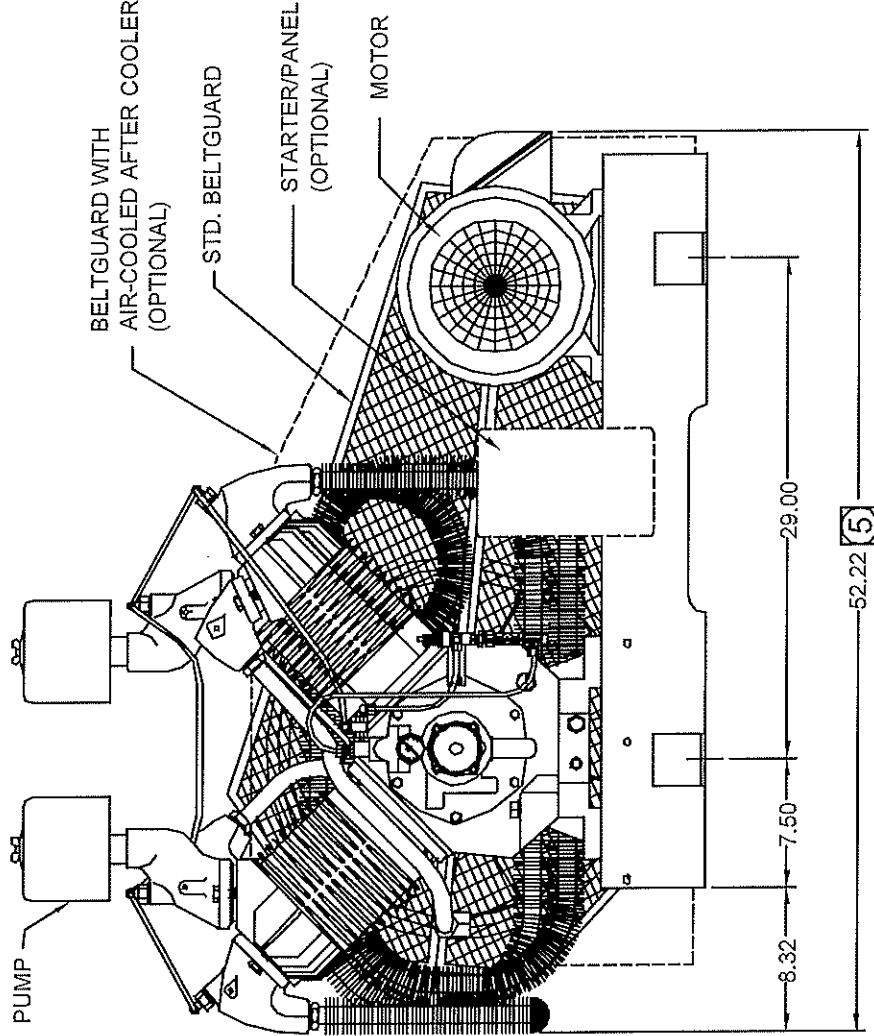
- 1. DO NOT SCALE PRINT, TYPICAL DIMENSIONS ONLY.
- 2. SPECIFICATIONS AND DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.
- 3. ALL DIMENSIONS IN INCHES.
- 4 ADD 1.00" TO HEIGHT FOR VIBRATION ISOLATION OPTION.
- 5 OPTIONAL EQUIPMENT MAY EFFECT DIMENSION.

MOTOR: _____ HP/VOLTS/PH/Hz

ODP(STD) TEFC 5 HIEFF 5

OPTIONAL EQUIPMENT

- STARTER
- SIMPLEX CONTROL PANEL 5
- FUSED DISCONNECT 5
- LOPS
- AIR-COOLED AFTERCOOLER
- VIBRATION ISOLATORS 4
- OTHER



NOTICE:

REFERENCE DRAWING ONLY MAY NOT INCLUDE SPECIFIC ACCESSORY ITEMS FOR ANY PARTICULAR ORDER.

CHAMPION- A GARDNER DENVER COMPANY

GENERAL ARRANGEMENT

PL70
BASEMOUNT

PRINT NO.: DD-B-1713

REV. DATE:

DRAWN BY: G.L.

DATE: 05/18/2000

CHKD BY:

DATE:



PL Series 20, 25, 30HP
Engineering Data Sheet
Air Cooled, 60Hz

Eng. Data Sheet: CP-PL6-V1
Date: 6/04/2015
Supersedes: NEW

Model Number		BPL20	HP L20-12	HPL20-25	HP L20D-25	BPL25	HP L25-12	HPL25-25	HP L25D-25	BPL30	HP L30-12	HPL30-25	HP L30D-25	
Configurator Number		CBBPLA	CBSPLA	CBDPLA	CBBPLA	CBSPLA	CBDPLA	CBBPLA	CBSPLA	CBDPLA	CBBPLA	CBSPLA	CBDPLA	
Description	Units	Product Data												
Performance Data (6)														
CFM Delivery @ 125 PSIG (7)	acfm	91.9	183.9	102.1	204.2	102.1	204.2	102.1	204.2	102.1	204.2	102.1	204.2	
CFM Delivery @ 175 PSIG (7)	acfm	76.7	153.4	90.1	180.2	101.0	202.0	90.1	180.2	101.0	202.0	90.1	180.2	
CFM Delivery @ 250 PSIG (7)	acfm	64.1	128.2	76.8	153.6	90.0	180.0	76.8	153.6	90.0	180.0	76.8	153.6	
CFM Displacement @ 125 PSIG	icfm	109.4	218.8	126.4	252.8	126.4	252.8	126.4	252.8	126.4	252.8	126.4	252.8	
CFM Displacement @ 175 PSIG	icfm	93.0	186.0	109.4	218.8	126.4	252.8	109.4	218.8	126.4	252.8	109.4	218.8	
CFM Displacement @ 250 PSIG	icfm	77.4	154.8	93.7	187.4	109.4	218.8	93.7	187.4	109.4	218.8	93.7	187.4	
Maximum Pressure	psig	250												
Working Pressure Differential	psig	35												
Pump Operating Speed @ 125 PSIG	rpm	770				890				890				
Pump Operating Speed @ 175 PSIG	rpm	655				770				890				
Pump Operating Speed @ 250 PSIG	rpm	545				660				770				
Minimum Speed	rpm	425												
Maximum Speed	rpm	1000												
Cooling Air Flow @ 125 PSIG	cfm	2580				2980				2980				
Cooling Air Flow @ 175 PSIG	cfm	2195				2580				2980				
Cooling Air Flow @ 250 PSIG	cfm	1825				2195				2580				
Heat Rejection	btu/hr	44700				55970				67160				
Noise Level (8)	dB(A)	80	82	84	86	84	86	84	86	84	86	84	86	
Min/Max Operating Temp	°F	32 / 104												
Dimensions and Weight														
Tank Size	gal	na	120	250	250	na	120	250	250	na	120	250	250	
Tank Configuration	na	Base	Horizontal			Base	Horizontal			Base	Horizontal			
Tank Capacity @ 125 PSIG	ft³	na	136.7	284.9	284.9	na	136.7	284.9	284.9	na	136.7	284.9	284.9	
Tank Capacity @ 175 PSIG	ft³	na	191.4	398.8	398.8	na	191.4	398.8	398.8	na	191.4	398.8	398.8	
Tank Capacity @ 250 PSIG	ft³	na	273.5	569.7	569.7	na	273.5	569.7	569.7	na	273.5	569.7	569.7	
Tank Pumping Time @ 125 PSIG (9)	min	na	1.5	3.1	1.5	na	1.3	2.8	1.4	na	1.3	2.8	1.4	
Tank Pumping Time @ 175 PSIG (9)	min	na	2.5	5.2	2.6	na	2.1	4.4	2.2	na	1.9	3.9	2.0	
Tank Pumping Time @ 250 PSIG (9)	min	na	4.3	8.9	4.4	na	3.6	7.4	3.7	na	3.0	6.3	3.2	
Package Length	in.	57.9	72.6	89.2		57.9	72.6	89.2		57.9	72.6	89.2		
Package Width	in.	33.9			64.5		33.9			64.5		33.9		64.5
Package Height	in.	39.8	63.6	70.6	75.3	39.8	63.6	70.6	75.3	39.8	63.6	70.6	75.3	
Total Package Weight	lbs.	1000	1325	1790	2845	1020	1365	1735	2940	1059	1404	1774	3018	
Pump Length	in.	28.6												
Pump Width	in.	33.5												
Pump Height	in.	33.8												
Pump Weight	lbs.	570												
Discharge Connection	npt "	1-1/4" - For Base Mount Units, 1-1/4" w/o aftercooler, 1" with Aftercooler												
Operating/Parts Manual ID	na	F80293PLA												

6) All units tested in accordance with CAGI/PNEUROPE Acceptance Test Code PN2CPTC2.

7) acfm is actual cubic feet per minute at inlet conditions.

8) Sound levels are based off estimated dB(A) .

9) Tank pumping time is based off 0 PSIG to fully pressurized.

10) M = Male connection, F=Female connection; the BRA20-30 have a 1" F connection with an air cooled after cooler.

NOTE: Duplex models take quantities of 2 on applicable items such as motors, pump, oil quantity, etc.

UNIT # 5 LSV-16-GDT ENGINE INSPECTION & EVALUATION

SCOPE OF WORK

- I. Remove crankcase doors and perform crankcase inspection
- II. Perform and record crankshaft deflection
- III. Inspect all line and piston skirts
- IV. Check and record all articulating pin bushing clearances
- V. Check and record all rod cap to crank running clearances
- VI. Check all drive chains:
 - Main drive chain
 - Main governor drive chain
 - Over speed governor chain
 - Lube oil pump drive chain / or coupling assembly
- VII. Re-set hydraulic valve lifters
- VIII. Visually inspect main valve springs and rocker gear assemblies
- IX. Check condition of lube oil pump drive assembly
- X. Remove high pressure fuel pumps, change gaskets, rebuild pump changing pump seal o-rings & inspection of P&B assemblies
- XI. Check and repair low fuel oil prime pump assembly
- XII. Check and record fuel injection timing: Train customer plant personnel on fuel injection timing
- XIII. Check over speed and engine safety shutdown controls including main and rod bearing shutdown protection
- XIV. Final checks on engine start up and all auxiliary system functions.
- XV. Power balance unit if time allows.
- XVI. Re-commission unit



**3071 Martinsburg Road
Gambier OH 43022**

Phone #: 800-499-4906

Fax #: 800-336-2916

www.wheelerworldinc.com

Estimate

Date

Estimate #

8/5/2019

12121

Accounts Payable: nola@wheelerworldinc.com

Sales: larry@wheelerworldinc.com

President: tina@wheelerworldinc.com

Name / Address

Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, MI 49242

Project/Engine

#5 & #6 ENGINES

Item	Description	Qty	Rate	Total
LABOR SERVIC...	INSPECTION ENGINES #5 & #6			
	SERVICE REPRESENTATIVE-(04) 10 hr days and (01) 8 hr day	48.00	100.00	4,800.00
TRAVEL TIME S...	TRAVEL SERVICE REPRESENTATIVE	8.00	80.00	640.00
ROOM AND ME...	DAILY ROOM AND MEALS	5.00	160.00	800.00
MILEAGE TRUC...	VEHICLE MILEAGE PER MILE	440.00	1.25	550.00
LABOR SERVIC...	SERVICE MECHANIC	48.00	65.00	3,120.00
TRAVEL TIME S...	TRAVEL TIME SERVICE MECHANIC-(04) 10 hr days and (01) 8 hr day	8.00	65.00	520.00
ROOM AND ME...	DAILY ROOM AND MEALS	5.00	160.00	800.00
LT-9-AA	GASKET	20.00	22.00	440.00
LS-14-E	GASKET	12.00	4.35	52.20
GN-14-5GG	GASKET	6.00	5.94	35.64

Estimates are good for 30 days. Estimates do not include the cost of shipping. Thank you,

Please Sign, Date & Return to our Office

Subtotal: \$11,757.84

Sales Tax: (0.0%) \$0.00

Total: \$11,757.84

MUTUAL AID MEMORANDUM OF UNDERSTANDING

In consideration of the mutual commitments given herein, each of the Entities signing this Mutual Aid Memorandum of Understanding ("MOU") below agrees to render aid to any of the other Signing Entities as follows:

1. **Request for Aid.** The Entity requesting aid ("Requesting Entity") agrees to make its request in writing to the other Entity(ies) (each an "Assisting Entity") within a reasonable time after aid is needed and with reasonable specificity. The Requesting Entity agrees to compensate the Assisting Entity as specified in this MOU and in other agreements that may be in effect between the Requesting Entity and the Assisting Entity.
2. **Discretionary Rendering of Aid.** Rendering of aid is entirely at the discretion of the Assisting Entity. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds but this MOU is in response to the COVID-19 Pandemic, as declared by the World Health Organization. When providing aid or receiving aid, the Signing Entities will adhere to the governing principles attached hereto as Exhibit A.
3. **Invoice to the Requesting Entity.** Within 60 days of the return to the home work station of all labor and equipment of the Assisting Entity, the Assisting Entity shall submit to the Requesting Entity an invoice of all charges related to the aid provided pursuant to this MOU. The invoice shall contain only charges related to the aid provided pursuant to this MOU. The Requesting Entity shall pay the invoice within 30 days of receipt.
4. **Charges to the Requesting Entity.** Charges to the Requesting Entity from the Assisting Entity shall be as follows:
 - a. **Labor Force.** Charges for labor force shall be in accordance with the Assisting Entity's standard practices.
 - b. **Equipment and Materials.** Charges for equipment and/or materials, such as bucket trucks, digger derricks, other special equipment, poles, supplies, etc. used or provided by the Assisting Entity, shall be at the reasonable and customary rates for such equipment or materials in the Assisting Entity's location. To the extent that any damage or loss is attributable to the negligence of the Assisting Entity and its employees or to the extent that such damage and loss is covered by insurance those amounts will not be reimbursable under this Mutual Aid MOU.
 - c. **Transportation.** The Assisting Entity shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d. **Meals, Lodging and Other Related Expenses.** Charges for meals, lodging and other expenses related to the provision of aid pursuant to this MOU shall be the reasonable and actual costs incurred by the Assisting Entity. This shall not include hotel related expenses other than lodging, unless agreed to by the Requesting Entity prior to their occurrence (e.g., phone calls made from rooms, room service, in-room movies, mini bar usage, etc.).
5. **Term.** This Mutual Aid MOU shall be effective when executed below and shall continue in effect through **September 30, 2020** and, unless any Entity gives written notice of non-renewal, shall continue on a month-to-month basis until the Entities execute a renewal term. This MOU may be terminated at any time by an Entity providing 30 days' written notice of termination.
6. **Employee Status and Independent Contractors.** Employees of the Assisting Entity shall at all times during the aid period continue to be employees of Assisting Entity and shall not be deemed employees of the Requesting Entity for any purpose. Assisting Entity shall be an independent contractor of the Requesting Entity and wages, hours, and other terms and conditions of employment of Assisting Entity shall remain applicable to its employees during the aid period.
7. **Insurance.** Upon request, each Entity shall provide a certificate of insurance evidencing the following required insurance
 - (i) Workers' Compensation insurance, or approval from the State to be a qualified self-insurer, in the form of and in the maximum amount provided for under any workers' compensation or similar law in the State of Michigan, and Employer's Liability coverage with a limit of One Million Dollars (\$1,000,000) per accident.
 - (ii) General Liability insurance including coverage for Contractual Liability and Products/Completed Operations Liability, with a limit of Three Million Dollars (\$3,000,000) combined single limit per occurrence.

Date: _____, 2020

CONSUMERS ENERGY COMPANY

Signed: _____

Name: _____

Title: _____

Exhibit A

PRINCIPLES APPLICABLE TO MUTUAL AID MOU

1. Safety of personnel and the public is the preeminent objective and responsibility of all involved Signing Entities throughout the aid provided. Assisting Entity's safety rules and work procedures shall apply to all work done by its personnel. Unless mutually agreed otherwise, the Requesting Entity's switching and tagging rules should be followed to ensure consistent and safe operation. The Requesting Entity shall provide to the Assisting Entity written guidelines as to the switching and tagging procedures utilized by the Requesting Entity. The Requesting Entity shall provide to the Assisting Entity a sufficient supply of switching/blocking tags suitable for use on the Requesting Entity's facilities and equipment. Any questions or concerns arising about any safety rules and/or procedures should be brought to the proper level of management for prompt resolution between management of the Signing Entities.
2. To the extent possible, the Signing Entities should reach a mutual understanding and agreement in advance on the anticipated length – in general – of the aid period. For extended assistance periods, the Signing Entities should agree on the process for replacing, or providing extra rest for, the Assisting Entity's personnel. It is understood and agreed that if, in the Assisting Entity's judgment, such action becomes necessary, the decision to terminate the aid and recall personnel and equipment lies solely with the Assisting Entity. The Requesting Entity will take the necessary action to return such personnel and equipment promptly.
3. The aid period shall commence when personnel and/or equipment expenses are initially incurred by the Assisting Entity in response to the Requesting Entity's written notice of its needs. This would include any request for the Assisting Entity to prepare its employees and/or equipment for transport to the Requesting Entity's location but to await further instructions before departing. The aid period shall terminate when such employees and/or equipment have returned to the Assisting Entity, and shall include any mandated DOT rest time or union contracted rest time resulting from the assistance provided and reasonable time required to prepare the equipment for return to normal activities (e.g., cleaning off trucks, restocking minor materials, etc.).
4. It is the intent of the Signing Entities, to the fullest extent authorized by law, that the Assisting Entity (as the direct employer of the Assisting Entity's employees) and the Requesting Entity both be entitled to workers' compensation immunity in the event an Assisting Entity's employee suffers injury or death during the course of any activities contemplated in this Mutual Aid MOU. Accordingly, the Mutual Aid MOU shall be implemented and interpreted in such a manner as will provide, to the fullest extent possible, workers' compensation immunity to the Requesting Entity in the event an Assisting Entity's direct employee suffers a work-related injury or death during the course of any activities contemplated in this Mutual Aid MOU.
5. Unless otherwise agreed by the Signing Entities, the Requesting Entity shall be responsible for supplying and/or coordinating support functions such as lodging, meals, materials, etc. As an exception to this, the Assisting Entity shall normally be responsible for arranging lodging and meals en route to the Requesting Entity's service area and for the return trip home. The cost for these in-transit expenses will be covered by the Requesting Entity.
6. The Requesting Entity may indicate to Assisting Entity the type and size of trucks and other equipment desired, as well as the number of job function of personnel requested, but the extent to which Assisting Entity makes available such equipment and personnel shall be at Assisting Entity's sole discretion.
7. The Requesting Entity shall indemnify, hold harmless and defend the Assisting Entity from and against any and all liability for loss, damage, cost, or expense that the Assisting Entity may incur by reason of bodily injury, including death, to any person or persons, including employees, or by reason of damage to or destruction of any property, including the loss of use thereof, that results from furnishing services under this Mutual Aid MOU to the extent that such death or injury to person, or damage to property, is caused by any act, omission, or negligence of Requesting Entity. Where payments are made by the Assisting Entity under a workers' compensation or disability benefits law or any similar law for bodily injury or death resulting from furnishing services under this Mutual Aid MOU, Requesting Entity shall reimburse the Assisting Entity for such payments, to the extent that such bodily injury or death is caused by any act, omission, or negligence of Requesting Entity. Requesting Entity shall reimburse the Assisting Entity for such payments, except to the extent such death or injury to person is caused by willful misconduct or negligence of the Assisting Entity or its employees.
8. In the event any claim or demand is made, or lawsuit or action is filed, against an Assisting Entity alleging liability for which Requesting Entity shall indemnify and hold harmless Assisting Entity under these Principles, Assisting Entity shall promptly notify Requesting Entity thereof, and Requesting Entity, at its sole cost and expense, shall settle, compromise, or defend the same to such manner as it, in its sole discretion, deems necessary or prudent. Assisting Entity shall cooperate with Requesting Entity's reasonable efforts to investigate, defend, and settle the claim or lawsuit or action.

Water Department Operational Report

	2017/2018													
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	YTD	
Raw Water Pump (Gal)	47104000	48208000	44406000	46551000	42192000	45617000	47209000	46094000	46986000				46040778	44954750
Treated Water (Gal)	42254000	43153000	40299000	40997000	37722000	41097000	42356000	41393000	42257000				41280889	40343833
Max. Daily (Gal)	1698000	1737000	1660000	1899000	1702000	1701000	1867000	1800000	1654000				1899000	2088000
Avg. Daily (Gal)	1363000	1392000	1343000	1322000	1257000	1326000	1366000	1427000	1363000				1351000	1327417
Backwash (Gal)	450000	500000	690000	520000	540000	736500	1200000	720000	600000				651833.3	1431250
Water Sold (Gal)	20800006	23999003	24485003	22689002	20106001	18737003	18013003	18952002	19545001				20814003	20502769
% Treated Sold	49.8	56.3	61.8	56.1	54.1	46.4	43.8	46.6	46.9				51.3	52.8
% Loss	50.2	43.7	38.2	43.9	45.9	53.6	56.2	53.4	53.1				48.7	47.2
Raw Iron (mg/l)	3.53	3.45	3.56	3.56	3.62	3.25	3.58	3.53	3.48				3.506667	3.50
Finished Iron (mg/l)	0.12	0.02	0.05	0.12	0.45	0.2	0.17	0.18	0.18				0.165556	0.13
SDWA Stand. (mg/l)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.3	0.30
% Removal	0.97	0.99	0.99	0.97	0.88	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.96
Raw Mang. (mg/l)	0.26	0.26	0.26	0.27	0.28	0.29	0.27	0.27	0.27					0.25
Finished Mang. (mg/l)	0.05	0.05	0.05	0.07	0.09	0.09	0.1	0.1	0.09					0.06
SDWA Stand. (mg/l)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
% Removal	81	81	81	74	68	69	63	63	67				71.75522	76
Chlorine (lb/Mgal)	23.1	22	22.3	21.9	21.2	17.4	29	41.4	32.6				25.7	20.1
Phosphate (lb/Mgal)	14.7	15.1	17.7	14.2	14	14.1	14.1	14	14.7				14.7	14.6
Pot. Perm. (lb/Mgal)	7.5	0.07	0.0	0	7.2	6.7	9	5.2	7.9				4.8	10.0
Fluoride (lb/Mgal)	3.6	3.6	3.7	3.9	4.1	3.8	3.8	3.7	3.5				3.7	3.8

City of Hillsdale Electric Utility Report

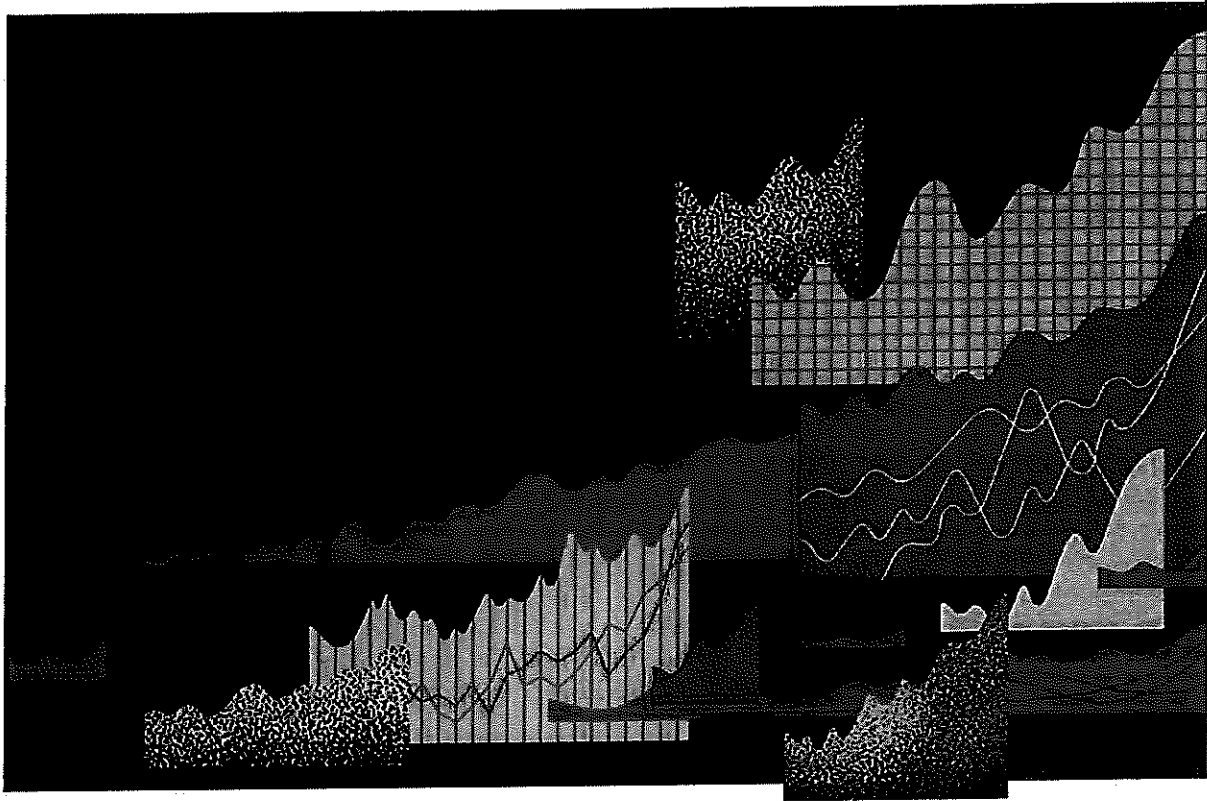
March

4/7/2020
HILLSDALE BOARD OF PUBLIC UTILITIES
Electric Distribution Superintendent
Chad Culbert

Electric Utility Report

Monthly Outage Numbers

<u>March IEEE Results</u>		<u>Yearly IEEE Results</u>
ASAI	99.9865%	99.9951%
CAIDI	60.238 min	57.95 min
SAIDI	5.824 min	6.23 min
SAIFI	.0967	



Hillsdale Board of Public Utilities

2019

ANNUAL
BENCHMARKING
REPORT

eRELIABILITY
TRACKER



This report separates utilities into groups of equal numbers of utilities according to their number of customers served. As seen in Table 1, the customer size distribution of utilities that use the eReliability Tracker is split into five distinct customer size class groups of approximately 100 utilities per group.

Your utility belongs to customer size class 3 and region 2.

Table 1. Customer size range per customer size class

Class 1	0 -1,207
Class 2	1,208 - 2,880
Class 3	2,881 - 6,599
Class 4	6,600 - 12,465
Class 5	12,466 - 468,522

Since the utilities considered in this report represent a wide variety of locations across the United States, each utility is also grouped with all others located in their corresponding American Public Power Association region. Figure 1 shows the number of utilities using the eReliability Tracker in each Association region and Figure 2 displays the Association's current United States map of regional divisions.

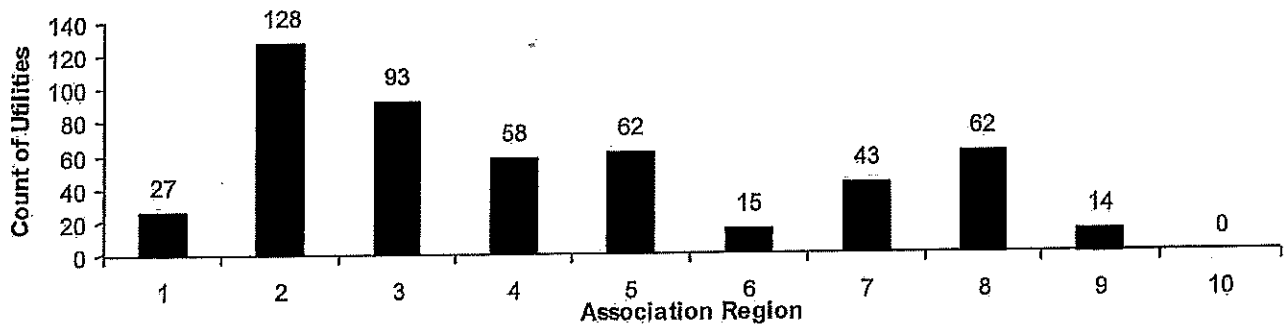


Figure 1. Number of eReliability Tracker utilities per Association region

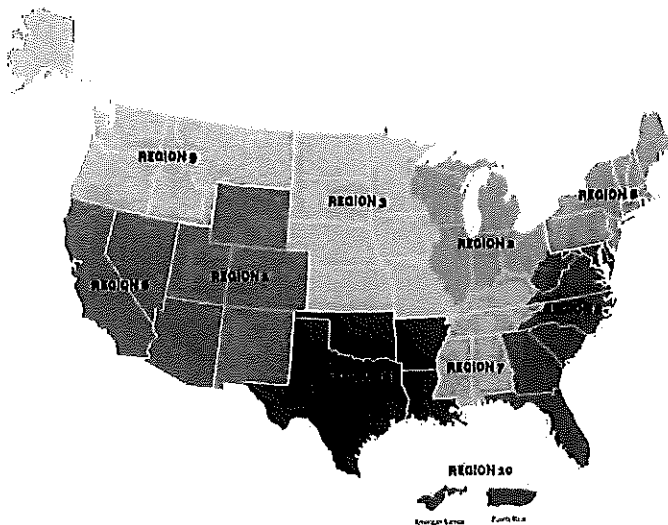


Figure 2. Association map of regions

II.1. System Average Interruption Duration Index (SAIDI)

SAIDI is defined as the average interruption duration (in minutes) for customers served by the utility system during a specific time period.

Since SAIDI is a sustained interruption index, only outages lasting longer than five minutes are included in the calculations. SAIDI is calculated by dividing the sum of all customer minutes of interruption¹ within the specified time frame by the average number of customers served during that period. For example, a utility with 100 customer minutes of interruption and 100 customers would have a SAIDI of 1.

Note that in the tables below, scheduled and unscheduled calculations include major events. Also note that wherever major events are excluded, the exclusion is based on the APPA major event threshold.

Table 2. Average SAIDI for all utilities that use the eReliability Tracker (with and without MEs), belong to your region, and are grouped in your customer size class

	All	No MEs	Unscheduled	Scheduled
Your utility's SAIDI	126.62	54.13	126.61	0.01
Average eReliability Tracker SAIDI	116.73	55.63	110.08	10.74
Average SAIDI for Utilities Within Your Region	92.02	45.93	91.03	1.74
Average SAIDI for Utilities Within Your Customer Size Class	113.03	59.97	108.38	8.55

Table 3. Summary statistics of the SAIDI data compiled from the eReliability Tracker

	All	No MEs	Unscheduled	Scheduled
Minimum Value	0.00	0.00	0.00	0.00
First Quartile (25th percentile)	21.84	11.56	20.32	0.18
Median Quartile (50th percentile)	56.57	26.81	54.88	0.91
Third Quartile (75th percentile)	111.86	62.19	110.54	4.65
Maximum Value	1197.79	988.99	1165.45	988.99

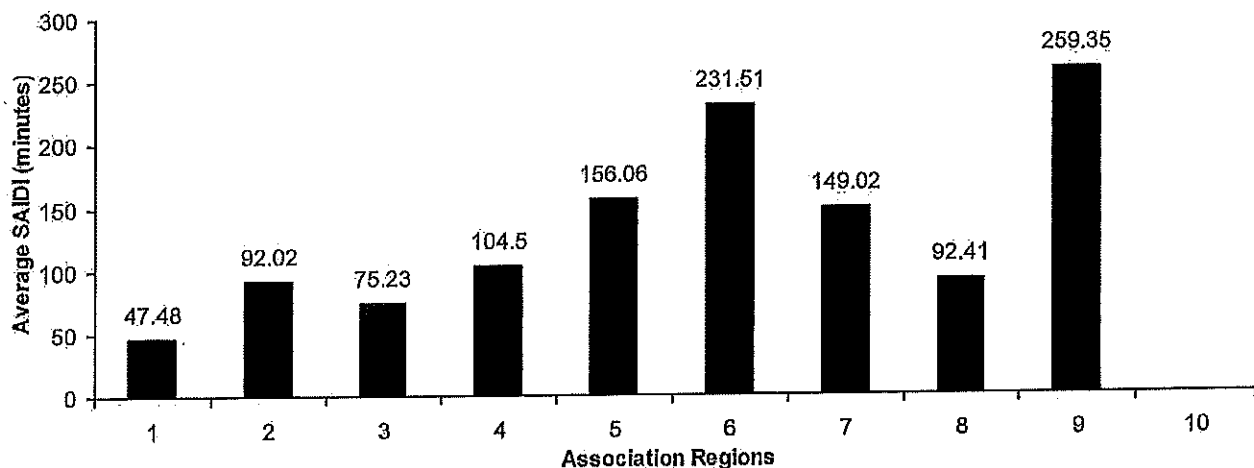


Figure 3. Average SAIDI for all utilities that use the eReliability Tracker per region

¹ Customer minutes of Interruption is calculated by multiplying total customers interrupted and total minutes of interruption.

II.3. Customer Average Interruption Duration Index (CAIDI)

CAIDI is defined as the average duration (in minutes) of an interruption experienced by customers during a specific time frame.

Since CAIDI is a sustained interruption index, only outages lasting longer than five minutes are included in the calculations. It is calculated by dividing the sum of all customer minutes of interruption during that time period by the number of customers that experienced one or more interruptions during that time period. This metric reflects the average customer experience (minutes of duration) during an outage.

Table 6. Average CAIDI for all utilities that use the eReliability Tracker, belong to your region, and are grouped in your customer size class

Your utility's CAIDI	54.98
Average eReliability Tracker CAIDI	169.35
Average CAIDI for Utilities Within Your Region	120.98
Average CAIDI for Utilities Within Your Customer Size Class	191.73

Table 7. Summary statistics of the CAIDI data compiled from the eReliability Tracker

Minimum Value	0.00
First Quartile (25th percentile)	67.42
Median Quartile (50th percentile)	92.94
Third Quartile (75th percentile)	139.83
Maximum Value	11512.06

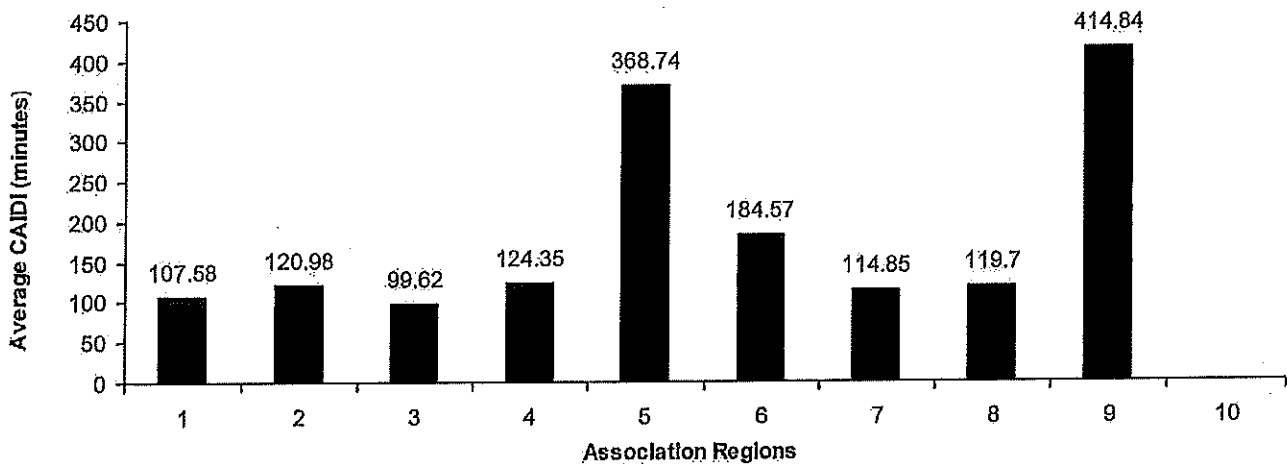


Figure 5. Average CAIDI for all utilities that use the eReliability Tracker per region

II.5. Average Service Availability Index (ASAI)

ASAI is defined as a measure of the average availability of the sub-transmission and distribution systems that serve customers.

This load-based index represents the percentage availability of electric service to customers within the time period analyzed. It is calculated by dividing the total hours service is available to customers by the total hours that service is demanded by the customers. For example, an ASAI of 99.99% means that electric service was available for 99.99% of the time during the given time period.

Table 10. Average ASAI for all utilities that use the eReliability Tracker, belong to your region, and are grouped in your customer size class

Your utility's ASAI (%)	99.9759
Average eReliability Tracker ASAI	99.9778
Average ASAI for Utilities Within Your Region	99.9824
Average ASAI for Utilities Within Your Customer Size Class	99.9784

Table 11. Summary statistics of the ASAI data compiled from the eReliability Tracker

Minimum Value	99.7721
First Quartile (25th percentile)	99.9787
Median Quartile (50th percentile)	99.9892
Third Quartile (75th percentile)	99.9958
Maximum Value	100.0000

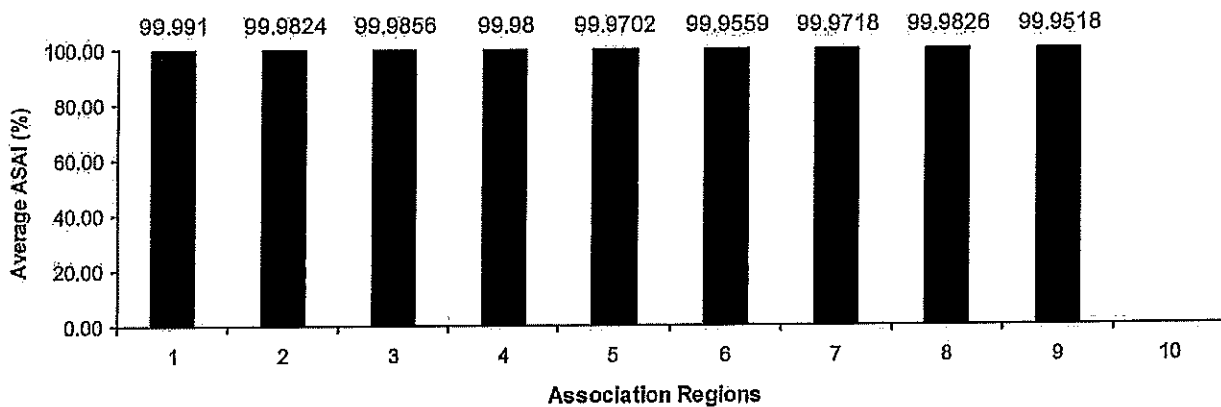


Figure 7. Average ASAI for all utilities that use the eReliability Tracker per region

II.7. Analysis of Miles of Line and Interruptions

Benchmarking metrics were created to help utilities explore the relationship between outages, line exposure, and customer density. This analysis separates utilities into groups of similar average customer density (customers served per mile). As seen in Table 15, the customer density distribution of utilities that use the eReliability Tracker is split into five distinct customer density size groups of approximately 64 utilities.⁴ By using the miles of line-related metrics shown in Table 14 and Table 15, utilities can benchmark reliability against system characteristics along with the customer normalized metrics included in the rest of the report. These system topography-related metrics can be helpful in understanding, for example, utility reliability against weather and animal-related outages relative to similarly dense and exposed utilities.

Your utility's total miles of line: 210

Your utility's overhead miles of line: 200

Your utility's underground miles of line: 10

Table 14. Analysis of total miles of line and interruptions

	Interruptions per Mile	Customers Interrupted per Mile	Minutes of Interruption per Mile
Your Utility	0.64	69.97	58.64
Average for eReliability Tracker Utilities	0.43	38.50	137.37
Average for Utilities Within Your Region	0.58	59.38	99.61

Your utility's average customer density (customers per mile): 30.38

Your utility belongs to customer density class **1**

Table 15. Total miles of line analysis by customer density class

Customer Density Class (Customers per Mile)	Customer Density Range	Interruptions per Mile	Customers Interrupted per Mile	Minutes of Interruption per Mile
Class 1	1 - 30	0.23	18.49	108.43
Class 2	31 - 45	0.35	22.79	56.89
Class 3	46 - 62	0.48	28.05	304.29
Class 4	63 - 88	0.50	40.75	132.25
Class 5	89 - 1660	0.59	82.47	93.46

⁴ Customer density classes include eReliability Tracker utilities that either provided their miles of line data to Platts or recorded their data in the eReliability Tracker.

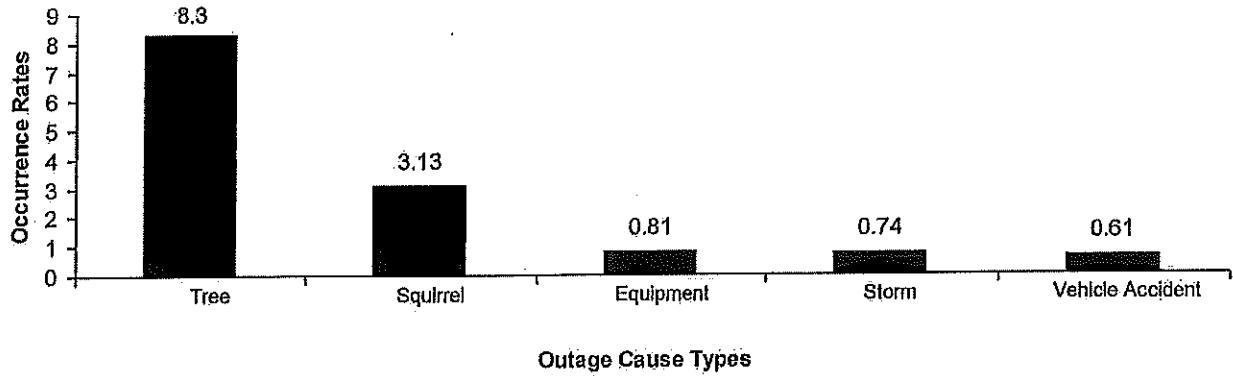


Figure 9. Top five customer-weighted causes of sustained outages for your utility ⁵

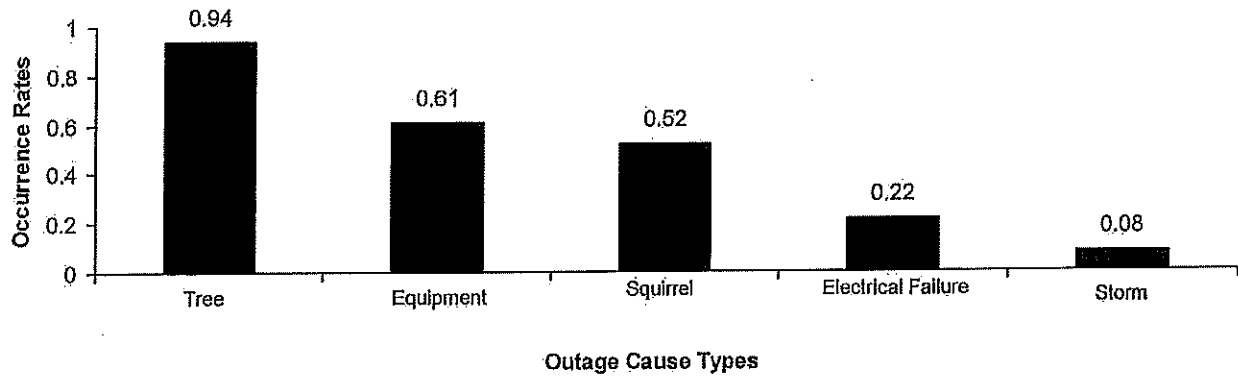


Figure 10. Top five customer-weighted occurrence rates for sustained outage causes in your region ⁵

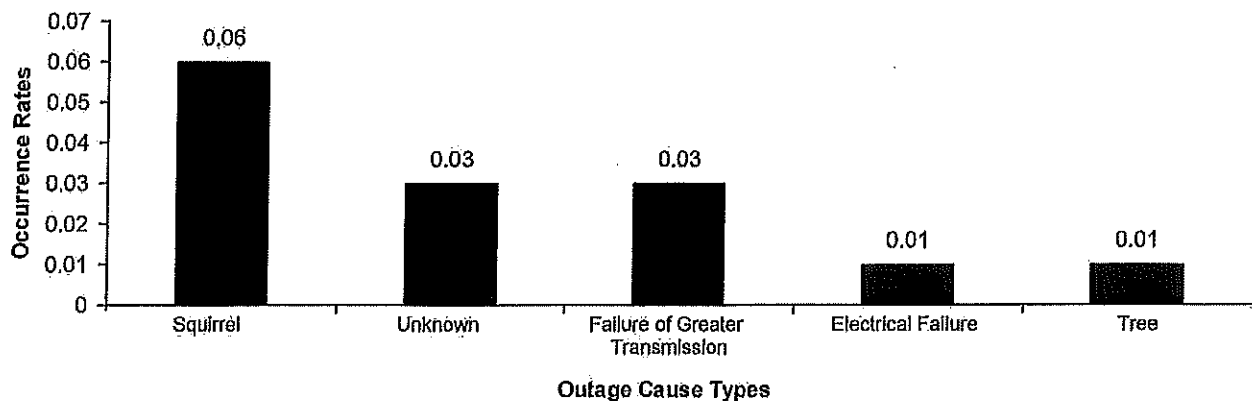


Figure 13. Top five customer-weighted occurrence rates for momentary outage causes in your region⁵

Thank you for your active participation in the eReliability Tracker service, and we hope this report is useful to your utility in analyzing your system. If you have any questions regarding the material provided in this report, please contact:

APPA's Reliability Team

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Ji Yoon Lee*

*American Public Power Association
2451 Crystal Drive, Suite 1000
Arlington, VA 22202*

reliability@publicpower.org

MISO & PJM Market Impacts and Resource Cost Summary - February, 2020

		Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
Substation Loads	MWh	1,852	45,042	10,265	8,649	1,888	67,706
	\$	\$ 44,189	\$ 1,071,188	\$ 242,121	\$ 204,096	\$ 32,562	\$ 1,994,052
	\$/MWh	\$ 23.87	\$ 23.47	\$ 23.59	\$ 23.59	\$ 23.55	\$ 23.51
GRA	MWh						
	\$						
	\$/MWh						
Market Load Cost	MWh	1,852	45,042	10,265	8,649	1,888	67,706
	\$	\$ 44,189	\$ 1,071,188	\$ 242,121	\$ 204,096	\$ 32,562	\$ 1,994,052
	\$/MWh	\$ 23.87	\$ 23.47	\$ 23.59	\$ 23.59	\$ 23.55	\$ 23.51
Market Value of Resources							
Minimums	MWh	(161)	(990)	(691)	(994)	(99)	(2,495)
	\$	\$ (3,544)	\$ (21,802)	\$ (13,802)	\$ (13,802)	\$ (2,181)	\$ (54,931)
	\$/MWh						
Oconto Falls	MWh	(119)	(717)	(457)	(430)	(72)	(1,795)
	\$	\$ (2,599)	\$ (16,384)	\$ (8,803)	\$ (9,238)	\$ (1,638)	\$ (38,462)
	\$/MWh						
AFCC	MWh	(502)	(7,155)	(3,934)	(3,192)	(469)	(15,252)
	\$	\$ (10,199)	\$ (145,393)	\$ (89,552)	\$ (48,891)	\$ (9,446)	\$ (269,799)
	\$/MWh						
Prattville	MWh		(600)		(1,388)		(1,988)
	\$		\$ (182,344)		\$ (26,462)		\$ (208,806)
	\$/MWh						
AMP Hydro 1 CSW	MWh	(124)	(1,177)	(500)	(493)		(2,394)
	\$	\$ (2,516)	\$ (23,627)	\$ (12,357)	\$ (10,176)		\$ (58,676)
	\$/MWh						
AMP Hydro 2 Grandp	MWh	(9)	(148)	(80)	(49)		(286)
	\$	\$ (176)	\$ (2,078)	\$ (1,174)	\$ (92)		\$ (3,420)
	\$/MWh						
AMP Hydro 2 MERRI	MWh	(28)	(436)	(182)	(300)		(846)
	\$	\$ (538)	\$ (8,638)	\$ (3,544)	\$ (2,880)		\$ (15,599)
	\$/MWh						
AMP Solar	MWh		(91)				(91)
	\$		\$ (3,366)				\$ (3,366)
	\$/MWh						
AMP Contracts	MWh	(52)	(616)	(270)	(297)	(30)	(1,865)
	\$	\$ (1,136)	\$ (20,978)	\$ (5,922)	\$ (6,280)	\$ (793)	\$ (34,109)
	\$/MWh						
Contract 2	MWh	(104)	(1,911)	(848)	(671)	(72)	(4,506)
	\$	\$ (2,272)	\$ (41,955)	\$ (31,848)	\$ (12,572)	\$ (1,588)	\$ (89,235)
	\$/MWh						
Contract 3	MWh	(52)	(916)	(270)	(287)	(49)	(1,664)
	\$	\$ (1,136)	\$ (20,978)	\$ (5,922)	\$ (6,280)	\$ (793)	\$ (34,109)
	\$/MWh						
Contract 4	MWh	(51)	(1,524)	(452)	(453)	(58)	(2,538)
	\$	\$ (1,817)	\$ (33,565)	\$ (9,474)	\$ (10,958)	\$ (1,289)	\$ (56,093)
	\$/MWh						
Total Resources	MWh	(1,290)	(22,967)	(6,375)	(16,885)	(898)	(48,415)
	\$	\$ (25,857)	\$ (469,360)	\$ (135,498)	\$ (142,291)	\$ (17,699)	\$ (788,515)
	\$/MWh	\$ 21.08	\$ 20.44	\$ 20.94	\$ 20.67	\$ 21.02	\$ 20.59
Market Purchases	MWh	626	22,901	3,850	1,347	545	29,270
	\$	\$ 14,673	\$ 24,706	\$ 89,869	\$ 42,039	\$ 19,355	\$ 187,236
	\$/MWh	\$ 23.45	\$ 23.11	\$ 23.10	\$ 23.76	\$ 22.89	\$ 23.09
Market Sales	MWh	(4)	(6)	(1)	(82)		(93)
	\$	\$ (86)	\$ (137)	\$ (16)	\$ (1,909)		\$ (2,148)
	\$/MWh	\$ 22.45	\$ 23.32	\$ 21.19	\$ 23.27		\$ 24.09
Summary							
Market Load	\$	\$ 44,189	\$ 1,071,188	\$ 242,121	\$ 204,096	\$ 32,562	\$ 1,994,052
Resource Value	\$	\$ (25,857)	\$ (469,360)	\$ (135,498)	\$ (142,291)	\$ (17,699)	\$ (788,515)
Resource Cost	\$	\$ 92,692	\$ 1,499,189	\$ 475,864	\$ 481,010	\$ 39,185	\$ 2,587,740
Total	\$	\$ 110,024	\$ 2,080,017	\$ 584,288	\$ 542,725	\$ 54,449	\$ 3,887,470
\$/MWh		\$ 59.88	\$ 45.90	\$ 56.92	\$ 62.75	\$ 39.14	\$ 59.37

Resource Costs as Invoiced			
	O&M	Fixed	Total
\$/MWh	49.01	0.80	49.82
\$	121,360.77	1,992.89	123,353.66
\$/MWh	47.00	0.47	47.47
\$	84,227.29	837.00	85,064.29
\$/MWh	26.91	24.33	51.24
\$	356,295.35	322,155.27	678,450.62
\$/MWh	11.41	48.58	59.99
\$	94,681.15	403,134.63	497,815.78
\$/MWh	36.00	272.13	308.13
\$	85,093.90	643,239.92	728,333.82
\$/MWh	(2.99)	198.89	195.90
\$	(797.67)	53,025.88	52,228.21
\$/MWh	(3.19)	131.06	127.87
\$	(2,559.64)	105,158.68	102,599.04
\$/MWh	10.46	27.52	37.98
\$	979.71	2,576.63	3,556.34
\$/MWh	34.00	0.58	34.58
\$	\$4,109.00	923.00	\$5,032.00
\$/MWh	36.10	0.58	36.68
\$	113,520.00	1,856.00	117,376.00
\$/MWh	41.70	0.58	42.28
\$	66,720.00	928.00	67,648.00
\$/MWh	26.75	0.58	27.33
\$	89,480.00	1,894.00	93,374.00
MWh	(38,294.39)	(38,294.39)	(38,294.39)
\$	975,920.87	1,535,832.90	2,511,753.77
\$/MWh	25.48	40.11	65.59

**Prairie State
February-20**

Gross Generation	kWh's	Current Month 8,298,796	Year-To-Date 63,025,099
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	Current Month		Year-to-Date	
	\$	\$/Net kWh	\$	\$/Net kWh
Prairie State				
O&M Variable Costs	\$ 94,681.15	0.01141	\$ 810,489.04	0.01286
O&M Fixed Costs	153,932.48	0.01855	\$ 879,079.95	0.01395
Capacity	(25,322.06)	(0.00305)	\$ (212,396.05)	(0.00337)
Debt Service	274,524.21	0.03308	\$ 2,162,846.16	0.03432
Total Prairie State	\$ 497,815.78	0.05999	\$ 3,640,019.10	0.05776

Costs Allocated to Members	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
----------------------------	---------	-----------	-----------	----------	------------	-------

Prairie State						
DS Percentage	0.00%	83.34%	0.00%	16.66%	0.00%	100.00%
Net kWh	-	6,915,895	-	1,382,901	-	8,298,796
O & M Variable Costs	\$ -	\$ 78,903.60	\$ -	\$ 15,777.55	\$ -	\$ 94,681.15
\$/Net kWh	-	0.01141	-	0.01141	-	0.01141
O & M Fixed Costs	\$ -	\$ 128,281.36	\$ -	\$ 25,651.12	\$ -	\$ 153,932.48
\$/Net kWh	-	0.01855	-	0.01855	-	0.01855
O & M Costs	\$ -	\$ 207,184.96	\$ -	\$ 41,428.67	\$ -	\$ 248,613.63
\$/Net kWh	-	0.02996	-	0.02996	-	0.02996
Capacity	\$ -	\$ (21,102.42)	\$ -	\$ (4,219.64)	\$ -	\$ (25,322.06)
\$/Net kWh	-	(0.00305)	-	(0.00305)	-	(0.00305)
Debt Service	\$ -	\$ 228,777.84	\$ -	\$ 45,746.37	\$ -	\$ 274,524.21
\$/Net kWh	-	0.03308	-	0.03308	-	0.03308
Total Prairie State Costs	\$ -	\$ 414,860.38	\$ -	\$ 82,955.40	\$ -	\$ 497,815.78
\$/Net kWh	-	0.05999	-	0.05999	-	0.05999

**AMP Hydro 1 Project
February-20**

Gross Generation -AMP Hydro 1	kWh's	Current Month	Year-To-Date
		2,363,719	39,627,211

	Current Month		Year-to-Date	
	\$	\$/Net kWh	\$	\$/Net kWh
	AMP Hydro 1			
O&M Variable Costs	85,093.90	0.03600	1,333,768.83	0.03366
O&M Fixed Costs	(145,034.75)	(0.06136)	(1,183,651.82)	(0.02987)
Capacity	(9,178.02)	(0.00388)	(79,554.89)	(0.00201)
Debt Service	797,452.69	0.33737	6,379,217.79	0.16098
Total AMP Hydro 1	\$ 728,333.82	0.30813	\$ 6,449,779.91	0.16276

Costs Allocated to Members

	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
AMP Hydro 1 Percentage	5.23%	48.51%	25.37%	20.89%	0.00%	100.00%
Net kWh	123,552	1,146,559	599,755	493,854	-	2,363,719

AMP Hydro 1

	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
O & M Variable Costs \$	4,447.86	41,276.13	21,591.18	17,778.73	-	\$ 85,093.90
\$/Net kWh	0.03600	0.03600	0.03600	0.03600	-	0.03600
O&M Fixed Costs \$	(7,580.97)	(70,351.38)	(36,800.19)	(30,302.21)	-	\$ (145,034.75)
\$/Net kWh	(0.06136)	(0.06136)	(0.06136)	(0.06136)	-	(0.06136)
Total O&M Costs \$	(3,133.11)	(29,075.25)	(15,209.01)	(12,523.48)	-	\$ (59,940.85)
\$/Net kWh	(0.02536)	(0.02536)	(0.02536)	(0.02536)	-	(0.02536)
Capacity \$	(479.74)	(4,451.94)	(2,328.77)	(1,917.57)	-	\$ (9,178.02)
\$/Net kWh	(0.00388)	(0.00388)	(0.00388)	(0.00388)	-	(0.00388)
Debt Service \$	41,682.86	386,816.96	202,340.52	166,612.35	-	\$ 797,452.69
\$/Net kWh	0.33737	0.33737	0.33737	0.33737	-	0.33737
AMP Hydro 1 \$	38,070.01	353,289.77	184,802.74	152,171.30	-	\$ 728,333.82
\$/Net kWh	0.30813	0.30813	0.30813	0.30813	-	0.30813

**AMP Solar Project
February-20**

Gross Generation -AMP Solar	kWh's	Current Month		Year-To-Date	
		93,634		938,979	
		Current Month		Year-to-Date	
		\$	\$/Net kWh	\$	\$/Net kWh
AMP Solar					
O&M Variable Costs		979.71	0.01046	8,272.02	0.00881
O&M Fixed Costs		4,278.68	0.04570	41,221.90	0.04390
Capacity		(1,702.05)	(0.01818)	(13,509.88)	(0.01439)
Debt Service		-	-	-	-
Total AMP Solar		\$ 3,556.34	0.03798	\$ 35,984.04	0.03832

Costs Allocated to Members	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
AMP Solar Percentage	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%
Net kWh	-	93,634	-	-	-	93,634
O & M Variable Costs \$	-	\$ 979.71	\$ -	\$ -	\$ -	\$ 979.71
\$/Net kWh	-	0.01046	-	-	-	0.01046
O&M Fixed Costs \$	-	\$ 4,278.68	\$ -	\$ -	\$ -	\$ 4,278.68
\$/Net kWh	-	0.04570	-	-	-	0.04570
Total O&M Costs \$	-	\$ 5,258.39	\$ -	\$ -	\$ -	\$ 5,258.39
\$/Net kWh	-	0.05616	-	-	-	0.05616
Capacity \$	-	\$ (1,702.05)	\$ -	\$ -	\$ -	\$ (1,702.05)
\$/Net kWh	-	(0.01818)	-	-	-	(0.01818)
Debt Service \$	-	\$ -	\$ -	\$ -	\$ -	\$ -
\$/Net kWh	-	-	-	-	-	-
AMP Solar \$	-	\$ 3,556.34	\$ -	\$ -	\$ -	\$ 3,556.34
\$/Net kWh	-	0.03798	-	-	-	0.03798

MISO Monthly Transmission Split

CONS only-does not apply to Clinton

		Coldwater	Hillsdale	Marhall	Union City	Total	Cost Per MW
CONS Load & HE	2/20/20 HE 9	89,315	17,925	15,661	2,013	124,914	
Loss Factor	3.8739%	3,460	694	607	78	4,839	
		<u>92,775</u>	<u>18,619</u>	<u>16,268</u>	<u>2,091</u>	<u>129,753</u>	
CONS with Losses							
MISO Adjustment		-	-	-	-	-	
BTM Load		272	-	157	332	762	
		<u>93,047</u>	<u>18,619</u>	<u>16,426</u>	<u>2,423</u>	<u>130,515</u>	
Load Billed							
1st 121.5 MW Entitlement		51,979	33,136	31,187	5,198	121,500	
		<u>41,068</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>41,068</u>	
Excess > 121.5 MW Entitlement							
Billing:							
1st Allocation-Entitlement used:							
Actual 121.5 MW Entitlement used		51,979	18,619	16,426	2,423	89,447	
		<u>58.11%</u>	<u>20.82%</u>	<u>18.36%</u>	<u>2.71%</u>	<u>100.00%</u>	
Calculated Load %							
Actual used Cost Allocation	A	\$ 94,821.82	\$ 33,965.40	\$ 29,964.38	\$ 4,420.60	\$ 163,172.21	\$ 1,824.23
2nd Allocation--121.5 MW less used:							
121.5 MW less Actual Entitlement Used		32,053	-	-	-	32,053	
		<u>100.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>100.00%</u>	
Excess Calculated Load %							
121.5 MW less Actual Used Cost	B	\$ 58,472.15	\$ -	\$ -	\$ -	\$ 58,472.15	\$ 1,824.23
3rd Allocation-Excess usage over 121.5MW:							
Excess over 121.5 MW		9,015	-	-	-	9,015	
		<u>100.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>100.00%</u>	
Excess Calculated Load %							
Excess over 121.5 MW Cost	C	\$ 44,822.63	\$ -	\$ -	\$ -	\$ 44,822.63	\$ 4,972.09
MISO Transmission Charges							
	A + B + C	<u>\$ 198,116.61</u>	<u>\$ 33,965.40</u>	<u>\$ 29,964.38</u>	<u>\$ 4,420.60</u>	<u>\$ 266,466.99</u>	
Cost Per MW Used		<u>\$ 2,129.21</u>	<u>\$ 1,824.23</u>	<u>\$ 1,824.23</u>	<u>\$ 1,824.23</u>	<u>\$ 2,041.66</u>	

**Substation Summary
February-20**

Substation Expenses	O&M Charges\$	VAR Charges \$	Current Month \$	Year To-Date \$
Clinton	-	-	-	-
Coldwater	-	-	-	-
Hillsdale	46.15	-	46.15	350.57
Marshall	-	-	-	-
Union City	-	-	-	-
Member Direct Expenses	<u>46.15</u>	<u>-</u>	<u>46.15</u>	<u>350.57</u>
Telemetry Expenses	\$ -	-	\$ -	-
Project 1 Misc Revenue	-	-	-	-
Project 1 Substation Expenses	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Substation Costs			<u>\$ 46.15</u>	<u>\$ 350.57</u>

Costs Allocated to Members	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
Total Energy %	2.73%	67.33%	15.14%	12.76%	2.04%	100.00%
Project 1 %	6.50%	40.00%	25.50%	24.00%	4.00%	100.00%
Member Direct Expenses (above)	\$ -	\$ -	\$ 46.15	\$ -	\$ -	\$ 46.15
Other Costs						
Telemetry based on Total Energy %	-	-	-	-	-	-
Other Project 1 Sub. Rev/Exp on Project 1 %	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Other Costs	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Substation Costs	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 46.15</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 46.15</u>
\$/Net kWh						
Actual Percentage	0%	0%	100%	0%	0%	100%

**Member Engine Summary
February-20**

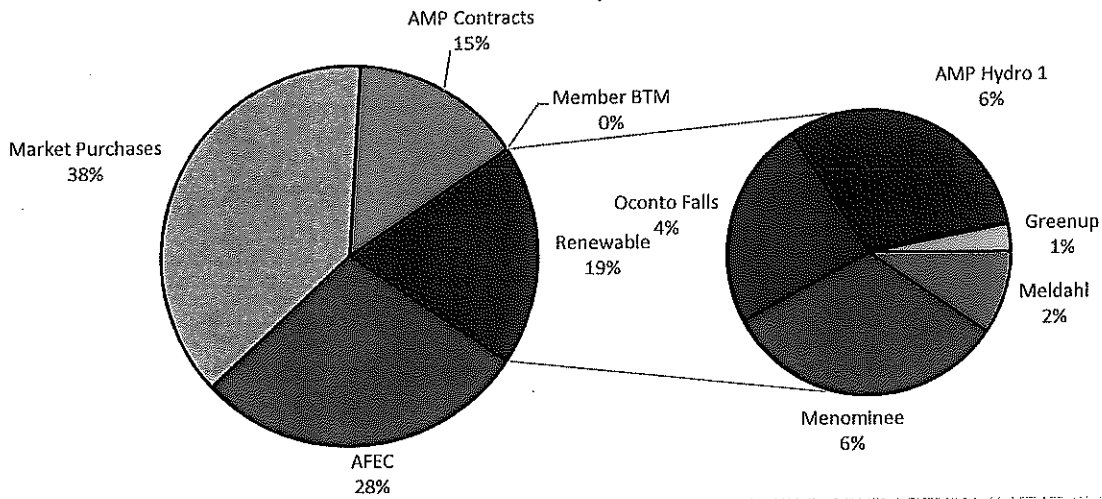
		Total		
	kWh	\$	\$/kWh	
Clinton				
Engine 6	-	\$ -	\$ -	-
Clinton Total	-	\$ -	\$ -	-
Coldwater				
AMP Solar BTM	95,893	\$ 1,842.62	\$ 0.019	
Coldwater Total	95,893	\$ 1,842.62	\$ 0.019	
Hillsdale				
Engine 5	-	\$ -	\$ -	-
Engine 6	-	\$ -	\$ -	-
Hillsdale Total	-	\$ -	\$ -	-
Marshall				
Engine 3	8,028	\$ 832.57	\$ 0.104	
Engine 5	7,242	\$ 1,017.21	\$ 0.140	
Engine 6	-	\$ -	\$ 0.089	
Hydro 1	107,147	\$ -	\$ -	
Hydro 3	-	\$ -	\$ -	
Marshall Total	122,417	\$ 1,849.78		
Union City				
Hydro 1	217,744	\$ 14,442.98	\$ 0.066	
Union City Total	217,744	\$ 14,442.98	\$ 0.066	

MEMBERS PEAK DEMAND
(THIS MONTH VS THIS MONTH LAST YEAR)

Year Month	<u>CLINTON</u>		<u>COLDWATER</u>		<u>HILLSDALE</u>		<u>MARSHALL</u>		<u>UNION CITY</u>		<u>MEMBER TOTAL</u>		<u>MEMBER COINCIDENT</u>			
	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)		
2018	JULY	5,994	11.8	73,747	16.7	26,624	2.6	21,634	-4.6	4,121	7.9	132,120	9.2	130,987	11.9	
	AUG.	5,551	10.7	75,353	11.7	27,488	10.1	23,459	6.6	4,038	10.0	135,889	10.4	135,003	10.1	
	SEPT.	5,872	6.2	79,416	13.3	27,744	7.4	23,656	5.7	3,554	-1.3	140,242	10.0	134,120	7.3	
	OCT.	4,510	9.8	91,450	1.0	21,920	11.2	18,986	6.4	2,658	6.9	139,524	3.6	132,844	3.7	
	NOV.	3,536	-5.4	100,728	12.4	18,144	5.6	16,515	5.0	2,794	5.4	141,717	9.9	140,894	10.9	
	DEC.	3,647	-8.9	101,828	13.7	18,784	0.3	16,726	0.9	2,969	1.7	143,954	9.3	142,587	9.4	
2019	JAN.	3,993	-4.5	102,481	10.3	20,864	9.8	17,351	1.8	3,148	2.7	147,837	8.5	145,462	7.9	
	FEB.	3,802	-5.8	101,698	9.6	19,584	3.0	16,735	1.9	2,644	-2.6	144,463	7.0	144,009	7.7	
	MAR.	3,675	-4.4	101,110	10.4	19,257	7.1	16,927	4.5	2,712	8.5	143,681	8.7	143,161	9.4	
	APR.	3,317	-8.4	96,126	7.3	17,280	-3.4	15,287	-4.5	2,109	-8.0	134,119	3.7	132,183	2.9	
	MAY	3,580	-36.1	72,063	-18.8	19,040	-26.8	16,154	-28.5	2,004	-41.3	112,841	-22.9	107,830	-17.2	
	JUNE	4,952	-14.1	69,213	-9.0	24,224	-13.6	19,908	-14.3	3,063	-22.4	121,360	-11.4	119,465	-12.6	
YTTD PEAK	5,994	3.9	102,481	10.3	27,744	-1.1	23,656	1.8	4,121	4.4	147,837	1.0	145,462	6.4		
2019	JULY	5,726	-4.5	73,493	-0.3	27,610	3.7	22,263	2.9	4,089	-0.8	133,181	0.8	131,663	0.5	
	AUG.	5,124	-7.7	71,308	-5.4	25,216	-8.3	21,518	-8.3	3,612	-10.5	126,778	-6.7	125,765	-6.8	
	SEPT.	4,803	-18.2	91,162	14.8	26,112	-5.9	22,051	-6.8	3,428	-3.5	147,556	5.2	128,162	-4.4	
	OCT.	4,355	-3.4	96,712	5.8	23,104	5.4	19,467	2.5	2,583	-2.8	146,222	4.8	134,042	0.9	
	NOV.	3,523	-0.4	97,518	-3.2	18,922	4.3	16,112	-2.4	2,717	-2.7	138,792	-2.1	138,063	-2.0	
	DEC.	3,804	4.3	99,789	-2.0	19,258	2.5	16,912	1.1	2,884	-2.9	142,646	-0.9	141,585	-0.7	
	2020	JAN.	3,681	-7.8	96,958	-5.4	18,862	-9.6	16,924	-2.5	2,703	-14.1	139,129	-5.9	137,023	-5.8
		FEB.	3,728	-1.9	97,691	-3.9	18,617	-4.9	16,173	-3.4	2,507	-5.2	138,716	-4.0	137,487	-4.5
		MAR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	
		APR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	
		MAY	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	
		JUNE	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	
YTTD PEAK	5,726	-4.5	99,789	-2.6	27,610	-0.5	22,263	-5.9	4,089	-0.8	147,556	-0.2	141,585	-2.7		

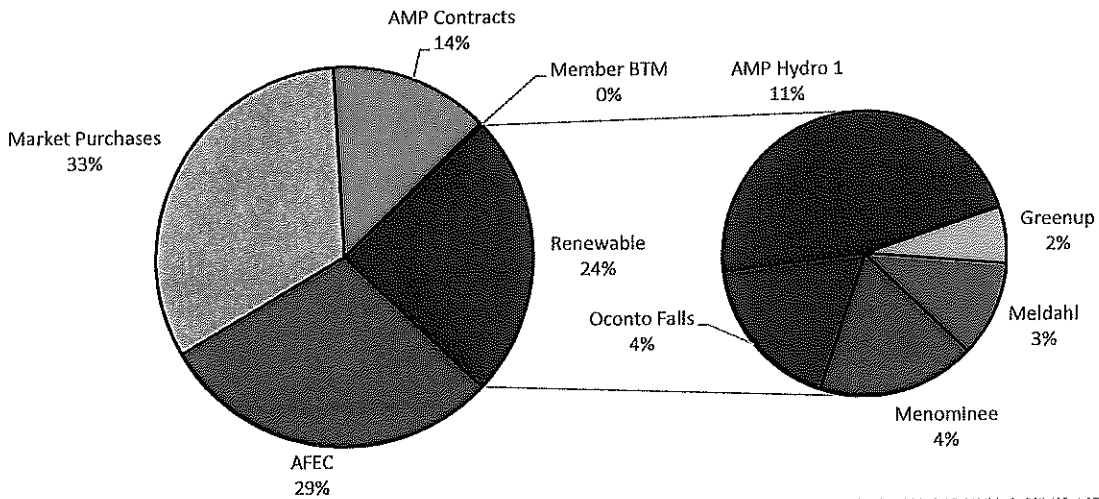
Hillsdale Energy Resource Mix

February 2020



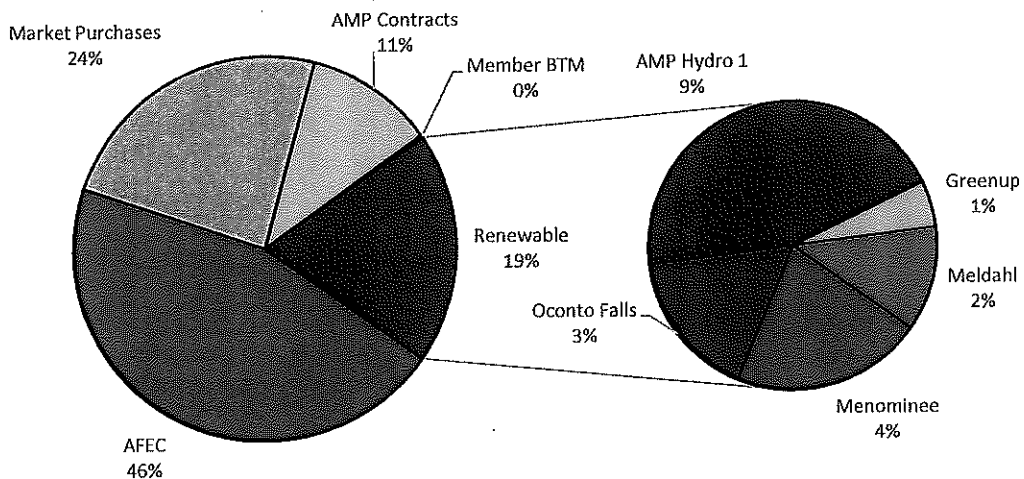
Market Sales: 1 MWh, 0.0% of Total Energy

Fiscal YTD



Market Sales: 661 MWh, 0.7% of Total Energy

Prior Fiscal Year



Market Sales: 1,517 MWh, 1.2% of Total Energy



HOSPICE OF HILLSDALE COUNTY

124 South Howell Street
Hillsdale, Michigan 49242-2010

Phone: (517) 437-5252 • Fax: (517) 437-5253

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Your only locally-based non-profit hospice
Since 1983

March 16, 2020

Chris McArthur, Director
Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242

Dear Mr. McArthur,

I would like to take this opportunity to thank you and Bill Briggs for putting the Elm Street sewer project into the 2020-2021 budget. I understand from BPU board member, Barry Hill, that the project was approved at your recent meeting.

As you are aware, Hospice of Hillsdale County has been having on-going sewer issues for the past twenty years. In 2017, we spent thousands of dollars digging up and replacing our building sewer system thinking that would resolve this issues. We continue to experience sewer problems.

Our board of directors and our staff are hopeful that in the near future you will resolve these problems. Again, thank you for your concern and attention to this issue.

Sincerely,

Kitty Aemisegger
Executive Director

CITY COUNCIL MINUTES

City of Hillsdale
Council Chambers
February 17, 2020
7:00 P.M.

Regular Meeting

Call to Order and Pledge of Allegiance

Mayor Adam Stockford opened the meeting with the Pledge of Allegiance.

Roll Call

Mayor Adam Stockford called the meeting to order.

Council Members present:	Adam Stockford, Mayor R. Gregory Stuchell, Ward 1 Tony Vear, Ward 1 William Morrissey, Ward 2 Cynthia Pratt, Ward 2 William Zeiser, Ward 3 Bruce Sharp, Ward 3 Raymond Briner, Ward 4
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Council Members absent:	Matthew Bell, Ward 4
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Also present were: Attorney John Lovinger, David Mackie (City Manager), Katy Price (City Clerk), Scott Hephner (Chief of Police/Fire), Corey Burke (HCFD), Matthew Halleck (HCFD), Alan Becker (Zoning Administrator), Chris McArthur (BPU Director), Penny Swan, Ben Wilson, Sheri Lemke, Mike Prince, Jack McClain, Troy Reehl, Mike Clark, Deb Kamen, Trent Wortham, Donovan Scott, Jerry Curby, Kathy Newell, Andrew Gelzer, Sheri Ingles, Margaret Youngs, Brock Woodard, Martin Hall, Clint Brugger, Terry Reed, Sue Reed and Corey Murray (HIDN).

Approval of Agenda

Motion to approve the agenda as presented by Council Member Morrissey, seconded by Council Member Sharp.

Roll call:	Mayor Stockford	Aye
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrissey	Aye
	Council Member Pratt	Aye
	Council Member Sharp	Aye
	Council Member Zeiser	Aye
	Council Member Briner	Aye

Motion passed 8-0.

Public Comment

Margaret Youngs, 70 N. Norwood Avenue, commented on the TIFA project interdepartmental loan with the BPU and offered to help with raising additional funds for the renovations for the Dawn Theater.

Gary Wolfram, 3 Corona Court, commented on the TIFA interdepartmental loan and the Dawn Theater renovations. Mr. Wolfram would like to see the loan approved to help with the grant process.

Penny Swan, 8 S. Manning Street, commented on the TIFA interdepartmental loan with the BPU.

Roll call:	Mayor Stockford	Nay
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrissey	Aye
	Council Member Pratt	Nay
	Council Member Sharp	Aye
	Council Member Zesier	Nay
	Council Member Briner	Aye

Motion passed 5-3.

New Business

A. Domestic Harmony Contract

Council Member Briner commented on the amount the City has been in contract with over the years. Briner would like to see other municipalities and organizations contribute more as Domestic Harmony services other areas within the county.

Further discussion ensued.

Motion by Council Member Morrissey, seconded by Council Member Stuchell to approve the contract with Domestic Harmony in the amount of \$6000.

Roll call:	Mayor Stockford	Aye
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrissey	Aye
	Council Member Pratt	Aye
	Council Member Sharp	Aye
	Council Member Zesier	Aye
	Council Member Briner	Nay

Motion passed 7-1.

B. MSCPA Amendments of By-Laws

Motion by Council Member Vear, seconded by Council Member Stuchell to approve the MSCPA amendments of by-laws.

By a voice vote, the motion passed unanimously.

C. BPU SSOE Detailed Engineering and Design Services for Phase 1 Voltage Upgrade

BPU Director McArthur presented the engineering and design services to Council.

Motion by Council Member Vear, seconded by Council Member Briner to approve the engineering and design services with SSEO not to exceed \$300,000.

Roll call:	Mayor Stockford	Aye
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrissey	Aye
	Council Member Pratt	Aye
	Council Member Sharp	Aye
	Council Member Zesier	Aye
	Council Member Briner	Aye

Motion passed 8-0.

CITY COUNCIL MINUTES

City of Hillsdale
Council Chambers
March 2, 2020
7:00 P.M.

Regular Meeting

Call to Order and Pledge of Allegiance

Mayor Adam Stockford opened the meeting with the Pledge of Allegiance.

Roll Call

Mayor Adam Stockford called the meeting to order.

Council Members present: Adam Stockford, Mayor
R. Gregory Stuchell, Ward 1
Tony Vear, Ward 1
William Morrisey, Ward 2
Cynthia Pratt, Ward 2
William Zeiser, Ward 3
Bruce Sharp, Ward 3
Raymond Briner, Ward 4

Council Members absent: Matthew Bell, Ward 4

Also present were: Attorney Tom Thompson, David Mackie (City Manager), Michelle Loren (Interim Deputy Clerk), Alan Beeker (Zoning Administrator), Chris McArthur (BPU Director), Penny Swan, Mike Prince, Jack McClain, Hannah Jordan (Domestic Harmony), Eric Moore, Ginger Moore (Hillsdale Airport), Dennis Wainscott, Nicole Duniap, Kristin Lucas, Jake Hammel (DPS), Jon Smith, and Corey Murray (HDN).

Appointment of Interim Deputy Clerk

Motion by Councilmember Morrisey, supported by Council Member Vear, to approve the appointment of Michelle Loren Interim Deputy Clerk during the medical absence of City Clerk Katy Price.

By a voice vote, the motion passed unanimously.

Approval of Agenda

City Manager David Mackie requested Communications Item E. Domestic Harmony Presentation and New Business Item D. Airport East Taxiway Proposal be added to the March 2, 2020 Council Agenda.

Motion to approve the agenda with requested additions by Council Member Morrisey, seconded by Council Member Briner.

Roll call:	Mayor Stockford	Aye
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrisey	Aye
	Council Member Pratt	Aye
	Council Member Sharp	Aye
	Council Member Zeiser	Aye
	Council Member Briner	Aye

Motion passed 8-0.

Old Business

- A. MDOT Third Party Agreement Revision
- B. Homeless Task Force

City Manager Mackie explained MDOT requested/required revisions to the MDOT Third Party Agreement. Revisions were reviewed and approved by the City Attorney.

Motion by Council Member Morrissey, support by Council Member Vear, to approve the MDOT Third Party Agreement and authorized signatures by the Mayor and Clerk.

Roll call:	Mayor Stockford	Aye
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrissey	Aye
	Council Member Pratt	Aye
	Council Member Sharp	Aye
	Council Member Zesler	Aye
	Council Member Briner	Aye

Motion passed 8-0.

Mayor Stockford shared his plans for the Homeless Task Force as he puts together a Task Force committee. Mr. Stockford reported he had a number of volunteers for possible appointment to the Task Force and would be making appointments in the near future. Mr. Stockford stated that the first topic for discussion will be to define homelessness through research and consultation with various agencies and organizations for statistics and insight.

New Business

- A. City of Hillsdale CIP Plan 2020-26

Planning and Zoning Administrator, Alan Becker presented Council with the CIP Plan 2020-26 and accepted comment from Council. In response to Mr. McClain's comments regarding the Plan, Mr. Becker commented he would review the figures and make correction if needed, and explained the reference to paths was a project for developing a proper trail head with amenities that would enable users of the path to access the downtown area in a more user friendly way.

Motion by Council Member Morrissey, support by Council Member Stuchell, to adopt the City of Hillsdale CIP Plan 2020-26 as presented.

Roll call:	Mayor Stockford	Aye
	Council Member Stuchell	Aye
	Council Member Vear	Aye
	Council Member Morrissey	Aye
	Council Member Pratt	Aye
	Council Member Sharp	Aye
	Council Member Zesler	Aye
	Council Member Briner	Aye

Motion passed 8-0.

- B. USDA Rural Grant – Set Public Hearing

Motion by Council Member Vear, seconded by Council Member Briner, to set a public hearing for Monday, March 16, 2020 at 7:00 p.m.

By a voice vote, the motion passed unanimously.

- C. Hillsdale Municipal Airport Fuel Facility Proposal

City Manager David Mackie stated this proposal is the professional engineering piece of the fuel farm previously approved by Council. Mr. Mackie reported the City's share of this portion of the

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grieving counseling.

Jack McClain asked about the vacant property survey for suggestions about what to do with the vacant properties as 23 and 25 S. Broad Street. Mr. McClain asked where it was distributed.

City Manager's Report

Mr. Mackie had nothing extra to report.

Bruce Sharp commended Jake Hammel and his crew for snow removal on both streets and sidewalks.

Council Comments

Mayor Stockford thanked DPS Director Jake Hammel for his handling of a disgruntled citizen. Mr. Stockford reminded Council and the public of upcoming events.

Council Member Briner thanked Domestic Harmony for coming and giving their report and reiterated his sentiment about contributions.

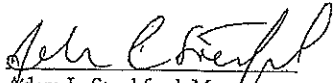
Council Member Stuchell made clarification that neither he nor fellow councilmembers use city funds for private excursions or meals.

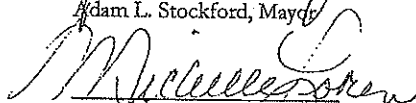
Adjournment

Council Member Briner, seconded by Council Member Pratt moved to adjourn the meeting.

By a voice vote, the motion passed unanimously.

The meeting adjourned at 7:50 p.m.


Adam L. Stockford, Mayor


Michelle, Interim Deputy City Clerk