

**VILLAGE OF NEWBERRY
WATER AND LIGHT BOARD MEETING
Tuesday, January 15, 2019
Meeting Location: 302 East McMillan Ave
Meeting Time: 6:00 p.m.**

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL

4. APPROVAL OF AGENDA

5. APPROVAL OF MINUTES

1. Water and Light Board Meeting – Regular Session – Tuesday, December 11, 2018 at 5:30 p.m.

6. WATER AND LIGHT CHAIRPERSON ANNOUNCEMENTS

1. WL Board Member Resignation

7. PUBLIC COMMENTS – Prior to consideration of official business, citizens may speak on any matter citizens may wish to bring to the attention of the Water and Light Board. Please limit comments to 3 minutes as per Michigan General Village Law and Michigan Open Meetings Act.

1. None Prescheduled

8. SUBMISSION OF BILLS AND FINANCIAL UPDATES

1. Water & Light – Monthly Bills – December 2018

582	Electric Fund	\$185,596.40
591	Water Fund	\$12,666.86
Total:		\$198,263.26

582	Christmas Lights Fund – as of 12/31/2018	\$14,516.08
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9. PETITIONS AND COMMUNICATIONS – Communications addressed to the Water and Light Board are distributed to all members and are acknowledged for information or are referred to a committee or staff for follow-up.

1. None Prescheduled

10. INTRODUCTION AND ADOPTION OF ORDINANCES AND RESOLUTIONS

1. None Prescheduled

11. REPORTS OF VILLAGE MANAGEMENT – The Village Manager, Assistant Village Manager, and Superintendent of Water and Light may submit reports or information to the Water and Light Board as updates and consideration.

1. Superintendent of Water and Light
2. Assistant Village Manager
3. Village Manager

12. REPORTS OF COMMITTEES

1. Save the Bells

13. UNFINISHED BUSINESS

1. None Prescheduled

14. NEW BUSINESS

1. Comparison of Billing Formats (Postcard version vs. Full-page)
2. Utility Security & Account Security
3. Energy Adjustment Rate: January – June 2019
4. 2018 Budget Amendments

15. COMMENTS BY BOARD MEMBERS

16. ADJOURNMENT - REGULAR SESSION

NEWBERRY WATER & LIGHT BOARD
REGULAR MEETING MINUTES
December 11, 2018

Present: Chairperson Vincent, Brown, Dishaw, Medelis.

Absent: Feldhusen.

Also Present: Clerk -Schummer, Director of Human Resources & Community Engagement - Watkins, Village President -Lori Stokes, Chuck Pipes, Scott Ouellette, Paul Lahti, Bruce Lane.

Call to Order: Chairperson Vincent called the meeting to order at 5:30 p.m. at the Village of Newberry Offices, 302 East McMillan Avenue, followed by the Pledge of Allegiance.

Approval of Agenda: Moved by Brown, support by Dishaw, **CARRIED**, to approve agenda with two changes, as follows: Under New Business, strike #2 - Ten Year Financial Health Assessment and move #4 – 2019 Budget to Introduction and Adoption of Ordinances and Resolutions. Ayes: All. Absent: Feldhusen.

Approval of Minutes: Moved by Brown, support by Medelis, **CARRIED**, to approve minutes from the November 13, 2018 W&L meeting as presented. Ayes: All. Absent: Feldhusen.

Water and Light Chairperson Announcements: None.

Public Comments on Agenda Items: Comments heard from: Lori Stokes – John Street and Scott Ouellette – John Street.

Submission of Bills and Financial Updates:

A.) **Water & Light – Monthly Bills – November 2018** - Motion by Brown, support by Medelis, **CARRIED**, recommend Village Council pay the November 2018 Electric Fund bill in the amount of \$106,499.82. Discussion followed. Ayes: All. Absent: Feldhusen. Motion by Brown, support by Dishaw, **CARRIED**, recommend Village Council pay the November 2018 Water Fund bill in the amount of \$3,217.65. Discussion followed. Ayes: All. Absent: Feldhusen.

B.) Christmas Light Fund is currently at \$14,510.23.

Petitions and Communications: None.

Introduction and Adoption of Ordinances and Resolutions:

- 1.) 2019 Budget: Motion by Brown, support by Dishaw, **CARRIED**, to make a recommendation to the Village Council to approve the 2019 Electric Budget. Discussion followed. Ayes: All. Absent: Feldhusen. Motion by Medelis, support by Brown, **CARRIED**, to make a recommendation to the Village Council to approve the 2019 Water Budget. Ayes: All. Absent: Feldhusen.
- 2.) 2019 Budget Adoption Resolution: Motion by Brown, support by Medelis, **CARRIED**, to make a recommendation to the Village Council to adopt the 2019 Budget Adoption Resolution. Discussion followed. Ayes: All. Absent: Feldhusen.

Reports of Village Management:

- 1.) Superintendent of Water and Light: Joe Lively, working foreman, submitted a written report.
- 2.) Assistant Village Manager: Vallad submitted charts for review.
- 3.) Village Manager: None

Reports of Committees:

- 1.) Save the Bells: Schummer gave a verbal report.

Unfinished Business: PFAS Report: Reviewed and discussed.

New Business:

- 1.) 2017 Audit – Conducted by Michigan Department of Treasury. Reviewed and discussed.
- 2.) 2018 Budget Amendments – Review. Motion by Brown, support by Medelis, **CARRIED**, to approve the 2018 budget amendments for electric and water. Discussion followed. Ayes: All. Absent: Feldhusen.

Comments by Board Members: Medelis made comments.

Adjourn Meeting: Motion by Medelis, support by Dishaw, **CARRIED**, to adjourn meeting at 6:16 p.m. Ayes: All.

These minutes are unapproved until voted on at the next meeting.

Terese Schummer, Clerk

Lawrence Vincent, Chairperson

**VILLAGE OF NEWBERRY
WATER & LIGHT PAYABLES
DECEMBER 2018**

GL Number	Vendor	Inv. Line Desc	Invoice Desc.	Amount
Fund 582 Electric Fund				
Dept 583 GENERAL EXPENSES				
582-583-725.000	MICHIGAN MUNICIPAL W/C FUND	WORKERS' COMPENSATION	PAYROLL AUDIT	85.26
582-583-752.000	NATIONAL OFFICE PRODUCTS	OFFICE SUPPLIES	PAPER	9.88
582-583-752.000	TAHQUAMENON AREA CREDIT UNION	OFFICE SUPPLIES	REPORT COVERS/ BINDERS	32.67
582-583-752.000	NATIONAL OFFICE PRODUCTS	OFFICE SUPPLIES	PAPER	15.00
582-583-752.000	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	W2/ 1099 FORMS	35.79
582-583-752.100	OK INDUSTRIAL SUPPLY	OPERATING SUPPLIES	WINTER DRIVER BLACK CUFF	126.00
582-583-752.100	OK INDUSTRIAL SUPPLY	OPERATING SUPPLIES	GLOVES RETURN CREDIT	(15.75)
582-583-752.100	AMAZON CAPITAL SERVICES	OPERATING SUPPLIES	SAFETY GLASSES	28.50
582-583-752.100	RAHILLY'S IGA	OPERATING SUPPLIES	WATER	3.99
582-583-752.100	AMAZON CAPITAL SERVICES	OPERATING SUPPLIES	CERT. FRAMES BATTERIES	17.37
582-583-752.100	RAHILLY'S IGA	OPERATING SUPPLIES	WATER	3.99
582-583-752.100	AMAZON CAPITAL SERVICES	OPERATING SUPPLIES	FILE FOLDERS/HAND SOAP	11.68
582-583-752.200	TYLER TECHNOLOGIES	IT SOFTWARE	SUPPORT MAINTENANCE	2,658.72
582-583-752.200	TYLER TECHNOLOGIES	IT SOFTWARE	CREDIT MEMO STOPPED SUPPORT SERVICES	(2,215.60)
582-583-752.200	BS&A SOFTWARE	IT SOFTWARE	ONSITE TRAINING/CUSTOMIZATION/TRAVEL	9,898.75
582-583-759.000	WEX BANK - SPEEDWAY UNIVERSAL	GAS & OIL- ELECTRIC	GAS/FUEL	226.21
582-583-801.000	UPPER PENINSULA IMAGING PC	PROFESSIONAL & CONTRACTUAL	XRAYS	65.00
582-583-801.000	HELEN NEWBERRY JOY HOSPITAL	PROFESSIONAL & CONTRACTUAL	PRE-EMPLOYMENT	29.00
582-583-801.000	US BANK EQUIP FINANCE	PROFESSIONAL & CONTRACTUAL	COPIER LEASE	192.98
582-583-801.000	GREAT LAKE FIRE & SAFETY	PROFESSIONAL & CONTRACTUAL	5# ABC EXTG- REFILLED/VALVE STEM ORINGS	13.98
582-583-801.000	TAHQUAMENON AREA CREDIT UNION	PROFESSIONAL & CONTRACTUAL	YEARLY MEMBERSHIP MIDEAL	45.00
582-583-801.000	UTILITY SALES AND SERVICE	PROFESSIONAL & CONTRACTUAL	ANNUAL INSPECTION VERSALIFT	550.00
582-583-801.000	FAIR, ALMA	PROFESSIONAL & CONTRACTUAL	DECEMBER CLEANING	75.00
582-583-801.000	TREES INC	PROFESSIONAL & CONTRACTUAL	TREE TRIMMING GRID 5	50,000.00
582-583-801.000	RANGE TELECOMMUNICATIONS	PROFESSIONAL & CONTRACTUAL	MISS DIGS	7.76
582-583-801.000	MICHIGAN MUNICIPAL ELECTRIC ASSOCIATION	PROFESSIONAL & CONTRACTUAL	YEARLY MEMBERSHIP DUES	3,820.00
582-583-801.000	ALTEC INDUSTRIES INC	PROFESSIONAL & CONTRACTUAL	LABOR INSPECT BOOM DAMAGE	660.00
582-583-850.000	ATT U-VERSE	TELEPHONE	ELECTRIC CAPACITY METER	109.73
582-583-850.000	VERIZON	906-291-1223	ACCT # 942077532-00003 DESK PHONES	13.90
582-583-850.000	VERIZON	906-291-1621	ACCT # 942077532-00003 DESK PHONES	13.90
582-583-850.000	VERIZON	906-291-1627	ACCT # 942077532-00003 DESK PHONES	27.80
582-583-850.000	VERIZON	906-291-1626	ACCT # 942077532-00003 DESK PHONES	13.90
582-583-850.000	VERIZON	906-291-1632	ACCT # 942077532-00003 DESK PHONES	13.34
582-583-850.000	VERIZON	906-291-1622	ACCT # 942077532-00003 DESK PHONES	13.90
582-583-850.000	VERIZON	906-293-5681	ACCT # 942077532-00003 DESK PHONES	26.66
582-583-850.000	VERIZON	906-291-1633	ACCT # 942077532-00003 DESK PHONES	13.90
582-583-850.000	VERIZON	906-291-1625	ACCT # 942077532-00003 DESK PHONES	13.90

582-583-850.000	VERIZON	TELEPHONE	ACCOUNT NUMBER 942077532-00002	96.21
582-583-850.000	VERIZON	TELEPHONE	ACCT # 942077532-00001 FAX/DATA PLANS	11.28
582-583-850.000	AT&T	TELEPHONE	WATER/LIGHT BACK-UP PHONE	35.68
582-583-850.000	HTC-HIAWATHA TELEPHONE CO	TELEPHONE FIBER- OPTIC	JAMADOTS	23.75
582-583-850.000	HTC-HIAWATHA TELEPHONE CO	TELEPHONE FIBER OPTIC	JAMADOTS	25.00
582-583-851.000	ARISTA INFORMATION SYSTEMS INC	POSTAGE	POSTAGE	261.63
582-583-851.000	TAHQUAMENON AREA CREDIT UNION	POSTAGE	POSTAGE	62.50
582-583-900.000	NEWBERRY NEWS INC	PUBLISHING & PRINTING	WINTER PARKING/NEW BILLING/ VACANCY/ MINUTES	226.83
582-583-900.000	ARISTA INFORMATION SYSTEMS INC	PUBLISHING & PRINTING	PRINTING	212.00
582-583-910.000	TAHQUAMENON AREA CREDIT UNION	PROFESSIONAL DEVELOPMENT	MECHANIC LICENSES	5.00
582-583-921.000	SEMCOENERGY GAS COMPANY	HEAT WATER/LIGHT	0235237.500 DECEMBER WATER/LIGHT	215.57
582-583-921.000	SEMCOENERGY GAS COMPANY	HEAT WATER/LIGHT	0235238.500 DECEMBER HEAT WATER/LIGHT	370.78
582-583-932.000	DANNY'S AUTO VALUE INC	VEHICLE REPAIR & MAINTENANCE	4" STRING INSERT	2.49
582-583-932.000	DANNY'S AUTO VALUE INC	VEHICLE REPAIR & MAINTENANCE	TIRE CEMENT	8.49
			Total For Dept 583 GENERAL EXPENSES	68,199.32
Dept 584 ELECTRIC GENERATION				
582-584-801.000	G C MAINTENANCE	PROFESSIONAL & CONTRACTUAL	A & B QUARTERLY INSPECTION	250.00
582-584-929.000	NORTHERN PUMP SERVICES	REPAIRS & MAINTENANCE	DIESEL FLOAT KIT	2,663.47
			Total For Dept 584 ELECTRIC GENERATION	2,913.47
Dept 586 PURCHASED POWER				
582-586-801.000	CLOVERLAND ELECTRIC CO-OP	PROFESSIONAL & CONTRACTUAL	POLE RENTAL 2019	324.00
582-586-801.000	CLOVERLAND ELECTRIC CO-OP	PURCHASED POWER	DECEMBER USAGE	5,298.12
582-586-926.000	MICHIGAN PUBLIC POWER AGENCY	PURCHASED POWER	RENEWABLE/VOLUNTARY GREEN PRICING	63.37
582-586-926.000	MICHIGAN PUBLIC POWER AGENCY	PURCHASED POWER	RENEWABLE/VOLUNTARY GREEN PRICING	34.35
582-586-926.000	CMS ENERGY RESOURCE MGT	PURCHASED POWER	CAPACITY	81,923.16
582-586-926.100	AMERICAN TRANSMISSION COMPANY	ATC TRANSMISSION MONTHLY INV	MONTHLY TRANSMISSION CHARGE - DEC	12,237.98
582-586-926.100	AMERICAN TRANSMISSION COMPANY	ATC TRANSMISSION MONTHLY INV	MONTHLY TRANSMISSION CHARGE - JAN	12,237.98
			Total For Dept 586 PURCHASED POWER	112,118.96
Dept 587 ENERGY OPTIMIZATION				
582-587-801.000	MECA	PROFESSIONAL & CONTRACTUAL	MONTHLY IMPLEMENTATION/INCENTIVES	2,244.74
			Total For Dept 587 ENERGY OPTIMIZATION	2,244.74
Dept 588 SAVE THE BELLS				
582-588-752.200	NEWBERRY NEWS INC	SAVE THE BELLS EXPENSES	BELLS AD	48.00
582-588-752.200	D & D HOME CENTER	SAVE THE BELLS EXPENSES	2X6X10 LUMBER	71.91
			Total For Dept 588 SAVE THE BELLS	119.91
Fund 591 Water Fund				
			Total For Fund 582 Electric Fund	185,596.40
Dept 266 ATTORNEY				
591-266-801.200	SONDEE, RACINE & DOREN PLC	LEGAL	LEGAL ADVICE	30.00
			Total For Dept 266 ATTORNEY	30.00

Dept 536 WATER SYSTEM					
591-536-725.000	MICHIGAN MUNICIPAL W/C FUND	WORKERS' COMPENSATION	PAYROLL AUDIT	66.99	
591-536-752.000	NATIONAL OFFICE PRODUCTS	OFFICE SUPPLIES	PAPER	9.88	
591-536-752.000	TAHQUAMENON AREA CREDIT UNION	OFFICE SUPPLIES	REPORT COVERS/ BINDERS	32.67	
591-536-752.000	NATIONAL OFFICE PRODUCTS	OFFICE SUPPLIES	PAPER	14.99	
591-536-752.000	AMAZON CAPITAL SERVICES	OFFICE SUPPLIES	W2/ 1099 FORMS	35.79	
591-536-752.100	FOSTER HARDWARE	OPERATING SUPPLIES	BREAKER VACUUM BRASS	7.99	
591-536-752.100	OK INDUSTRIAL SUPPLY	OPERATING SUPPLIES	WINTER DRIVER BLACK CUFF	126.00	
591-536-752.100	OK INDUSTRIAL SUPPLY	OPERATING SUPPLIES	GLOVES RETURN CREDIT	(15.75)	
591-536-752.100	HAWKINS INC	OPERATING SUPPLIES	AZONE 15 - EPA REG NO 7870-5	96.90	
591-536-752.100	TAHQUAMENON AREA CREDIT UNION	OPERATING SUPPLIES	WELL FITTINGS/CHORLINE	25.80	
591-536-752.100	RAHILLY'S IGA	OPERATING SUPPLIES	WATER	3.99	
591-536-752.100	AMAZON CAPITAL SERVICES	OPERATING SUPPLIES	CERT. FRAMES BATTERIES	17.36	
591-536-752.100	RAHILLY'S IGA	OPERATING SUPPLIES	WATER	3.99	
591-536-752.100	AMAZON CAPITAL SERVICES	OPERATING SUPPLIES	FILE FOLDERS/HAND SOAP	11.68	
591-536-752.200	TYLER TECHNOLOGIES	IT SOFTWARE	SUPPORT MAINTENANCE	2,658.72	
591-536-752.200	TYLER TECHNOLOGIES	IT SOFTWARE	CREDIT MEMO STOPPED SUPPORT SERVICES	(2,215.60)	
591-536-752.200	BS&A SOFTWARE	IT SOFTWARE	ONSITE TRAINING/CUSTOMIZATION/TRAVEL	9,898.75	
591-536-759.000	WEX BANK - SPEEDWAY UNIVERSAL	GAS, OIL & GREASE WATER	GAS/FUEL	226.21	
591-536-801.000	SAULT STE MARIE CITY HALL	PROFESSIONAL & CONTRACTUAL	WATER SAMPLE ANALYSIS	54.00	
591-536-801.000	UPPER PENINSULA IMAGING PC	PROFESSIONAL & CONTRACTUAL	XRAYS	65.00	
591-536-801.000	HELEN NEWBERRY JOY HOSPITAL	PROFESSIONAL & CONTRACTUAL	PRE-EMPLOYMENT	29.00	
591-536-801.000	GREAT LAKE FIRE & SAFETY	PROFESSIONAL & CONTRACTUAL	5# ABC EXTG- REFILLED/VALVE STEM ORINGS	13.97	
591-536-801.000	TAHQUAMENON AREA CREDIT UNION	PROFESSIONAL & CONTRACTUAL	YEARLY MEMBERSHIP MIDEAL	45.00	
591-536-801.000	FAIR, ALMA	PROFESSIONAL & CONTRACTUAL	DECEMBER CLEANING	75.00	
591-536-801.000	RANGE TELECOMMUNICATIONS	PROFESSIONAL & CONTRACTUAL	MISS DIGS	7.76	
591-536-801.000	SAULT STE MARIE CITY HALL	PROFESSIONAL & CONTRACTUAL	WATER SAMPLES	54.00	
591-536-850.000	VERIZON	TELEPHONE	ACCOUNT NUMBER 942077532-00002	74.83	
591-536-850.000	VERIZON	TELEPHONE	ACCT # 942077532-00001 FAX/DATA PLANS	51.28	
591-536-850.000	AT&T	TELEPHONE	WATER/LIGHT BACK-UP PHONE	35.68	
591-536-850.000	HTC-HIAWATHA TELEPHONE CO	TELEPHONE FIBER-OPTIC	JAMADOTS	23.75	
591-536-850.000	HTC-HIAWATHA TELEPHONE CO	TELEPHONE FIBER OPTIC	JAMADOTS	25.00	
591-536-851.000	ARISTA INFORMATION SYSTEMS INC	POSTAGE	POSTAGE	261.63	
591-536-900.000	NEWBERRY NEWS INC	PUBLISHING & PRINTING	WINTER PARKING/NEW BILLING/ VACANCY/ MINUTES	226.83	
591-536-900.000	ARISTA INFORMATION SYSTEMS INC	PUBLISHING & PRINTING	PRINTING	212.00	
591-536-910.000	TAHQUAMENON AREA CREDIT UNION	PROFESSIONAL DEVELOPMENT	MECHANIC LICENSES	5.00	
591-536-921.000	SEMCOENERGY GAS COMPANY	HEAT	0235238.500 DECEMBER HEAT WATER/LIGHT	370.77	
			Total For Dept 536 WATER SYSTEM	12,636.86	
			Total For Fund 591 Water Fund	12,666.86	
			Fund Totals:		
			Fund 582 Electric Fund	185,596.40	
			Fund 591 Water Fund	12,666.86	
			Total For All Funds:	198,263.26	

First National Bank

Main Office:

P.O. Box 187 * 132 North State Street
St. Ignace, Michigan 49781
Voice: 906-643-6800 Fax: 906-643-6808

Les Cheneaux Branch

P.O. Box 177 - 192 S Meridian St.
Cedarville, MI 49719 * 906-484-2262

Mackinac Island Branch

P.O. Box 534 - 534 Market St.
Mackinac Island, MI 49757 * 906-847-3732

West Mackinac Branch

P.O. Box 142 - W11635 West U.S. 2
Naubinway, MI 49762 * 906-477-6263

Newberry Branch

P.O. Box 466 - 1014 S. Newberry Ave.
Newberry, MI 49868 * 906-293-5160

NEWBERRY WATER & LIGHT BOARD
NEWBERRY SAVE THE BELLS
307 E MCMILLAN AVE
NEWBERRY MI 49868

Date 12/31/18 Page 1 of 1
ACCOUNT NUMBER

MUNICIPAL MONEY MARKET

ACCOUNT NUMBER

PREVIOUS BALANCE

CREDITS TOTALING

DEBITS TOTALING

SERVICE CHARGE AMOUNT

INTEREST PAID

CURRENT STMT BALANCE

14,510.23

.00

.00

.00

5.85

14,516.08

Statement Dates 12/01/18 thru 12/31/18

DAYS IN STATEMENT PERIOD

AVERAGE LEDGER BAL

AVERAGE COLLECTED BAL

Interest Earned

Annual Percentage Yield Earned

2018 Interest Paid

0

31

14,510

14,510

5.85

0.48%

47.04

DEPOSITS AND OTHER CREDITS.....

DATE

DESCRIPTION

AMOUNT

12/31

INTEREST PAID - 31 DAYS

5.85

DAILY BALANCE SUMMARY.....

DATE.....

BALANCE

DATE.....

BALANCE

12/01

14,510.23

12/31

14,516.08

INTEREST RATE SUMMARY.....

DATE.....

INTEREST RATE

11/30

.30%

12/05

.50%



VILLAGE OF NEWBERRY



Moose Capital of Michigan

302 East McMillan Avenue, Newberry, MI 49868 Phone: 906-293-3433 Fax: 906-293-8890

Newberry Water and Light December 2018 Report Joe Lively, Water and Light Foreman

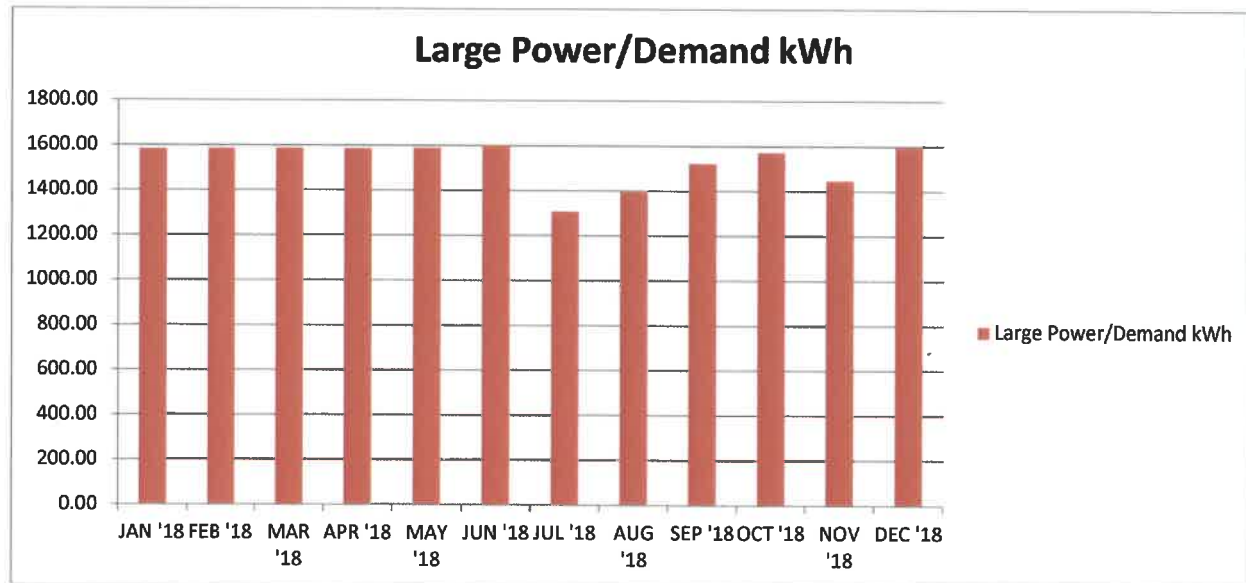
- Several Outages/Heavy Snow
- Snow Removal
- Christmas Lights
- Meter Reading
- Cross Connection Inspections
- Outage 203 W. Victory (Down Mast/Ice)
- Disconnects (Non-Payment) 8
- Repaired MV lights
- Trees Inc. Finished North Line
- Removed Pole (E. Helen)
- Removed Tree Dollarville
- Outage Dump Rd. (Squirrel)
- Tightened Guy Wire Co. Rd. 450 (Raised Line)
- Brushing Primary E. Victory
- Outage Billies (Bad Connector)
- Outage Co. Rd. 450 (Loose Meter Base)
- Well 4 Corrosion Control
- Outage K-Street
- Red Tags
- Replaced Hydrant Flags

Happy New Years from the Water and Light Department!!

Water & Light

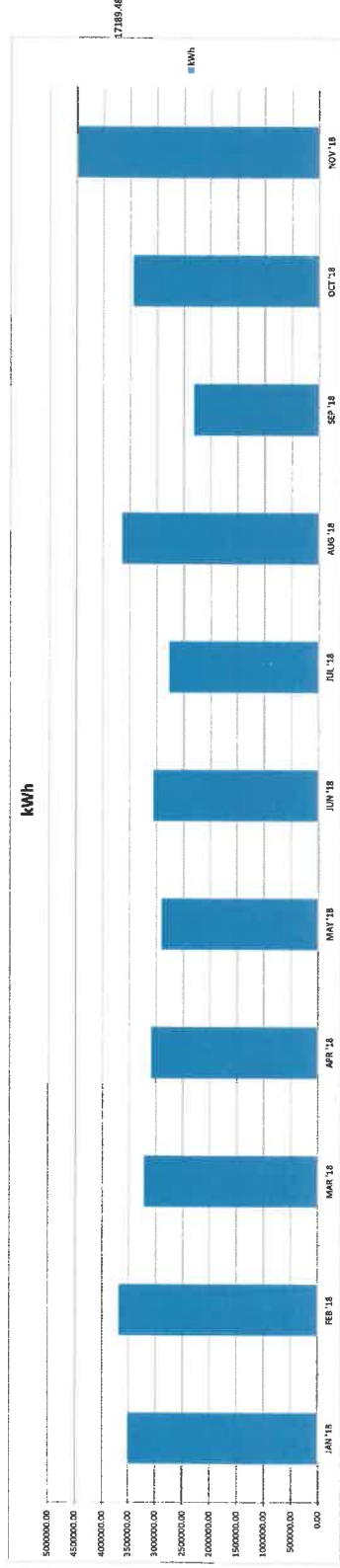
Electric Demand Report Large Power/Industrial 2018

MONTH:	LG POWER/INDUSTRIAL	BILLED AMOUNT
DEC '17	1567.34	\$ 13,938.69
JAN '18	1583.90	\$ 14,129.91
FEB '18	1586.82	\$ 14,129.91
MAR '18	1587.94	\$ 14,129.91
APR '18	1587.14	\$ 14,129.91
MAY '18	1588.74	\$ 14,129.91
JUN '18	1600.38	\$ 14,205.68
JUL '18	1308.82	\$ 12,369.20
AUG '18	1397.07	\$ 12,981.26
SEP '18	1522.24	\$ 13,989.20
OCT '18	1573.00	\$ 14,580.32
NOV '18	1448.00	\$ 13,497.92
DEC '18	1596.00	\$ 14,580.32



Water & Light
Billed Electric kWh Report - 2018

MONTH:	RES/COM kWh	DEM. BILLED	RES/COM BILL	CONSUMER'S	MPPA	MISO	ATC	CEC-HYDRO	2018 PAID	2017 PAID	2016 PAID	2015 PD:	SAVED:
JAN '18	3518665.00	\$ 14,129.91	\$ 196,778.46	\$ 107,467.68	\$ 28.53	\$ 3,833.06	\$ 13,133.98	\$ 5,064.28	\$ 129,527.53	\$ 120,334.74	\$ 103,229.84	\$ 146,688.48	\$ 19,132.79
FEB '18	3685214.00	\$ 14,129.91	\$ 205,164.19	\$ 97,421.58	\$ 47.86	\$ 4,164.50	\$ 13,133.98	\$ 5,079.63	\$ 119,847.55	\$ 111,398.64	\$ 102,655.98	\$ 168,324.53	\$ 18,148.91
MAR '18	3210808.00	\$ 14,129.91	\$ 173,342.28	\$ 43,309.98	\$ 371.58	\$ 3,606.20	\$ 10,445.98	\$ 5,028.01	\$ 62,761.75	\$ 114,411.84	\$ 130,780.97	\$ 135,195.29	\$ 51,650.09
APR '18	3078106.00	\$ 14,129.91	\$ 170,586.50	\$ 86,040.96	\$ 510.99	\$ 3,002.14	\$ 12,237.98	\$ 5,164.08	\$ 106,956.15	\$ 106,494.00	\$ 98,265.91	\$ 114,707.13	\$ 44,215.15
MAY '18	2889771.00	\$ 14,129.91	\$ 155,895.47	\$ 70,099.88	\$ 260.13	\$ 2,489.88	\$ 12,237.98	\$ 5,259.07	\$ 89,338.04	\$ 98,979.16	\$ 121,858.40	\$ 145,099.13	\$ 13,916.68
JUN '18	3050491.00	\$ 14,205.68	\$ 160,272.48	\$ 82,573.76	\$ 136.82	\$ 2,023.17	\$ 12,237.98	\$ 5,278.82	\$ 82,590.35	\$ 103,695.18	\$ 106,919.67	\$ 121,802.87	\$ 21,443.63
JUL '18	2755902.00	\$ 12,385.20	\$ 142,297.41	\$ 69,584.39	\$ 98.98	\$ 3,543.06	\$ 12,237.98	\$ 5,292.18	\$ 90,756.59	\$ 102,915.90	\$ 118,956.96	\$ 74,453.89	\$ 13,159.31
AUG '18	3642925.00	\$ 12,981.26	\$ 184,750.47	\$ 95,012.40	\$ 101.26	\$ 2,915.81	\$ 12,237.98	\$ 5,213.38	\$ 115,480.83	\$ 102,013.56	\$ 118,956.96	\$ 55,814.19	\$ 13,467.27
SEP '18	2311374.00	\$ 13,985.20	\$ 121,632.72	\$ 64,776.80	\$ 31.99	\$ 3,451.94	\$ 12,237.98	\$ 5,211.90	\$ 85,710.61	\$ 98,627.29	\$ 115,892.05	\$ 93,525.67	\$ 17,916.68
OCT '18	3432911.00	\$ 14,580.32	\$ 150,764.24	\$ 69,885.96	\$ 32.99	\$ 2,758.59	\$ 12,237.98	\$ 5,177.30	\$ 84,092.82	\$ 97,767.67	\$ 107,256.72	\$ 122,946.54	\$ 13,674.85
NOV '18	4477598.00	\$ 13,497.32	\$ 205,454.44	\$ 75,309.36	\$ 34.35	\$ 2,914.81	\$ 12,237.98	\$ 5,314.97	\$ 95,811.47	\$ 114,041.05	\$ 103,927.00	\$ 64,483.12	\$ 18,229.86
DEC '18	4077727.00	\$ 14,580.32	\$ 183,652.16	\$ 81,923.16	\$ 34.35	\$ 3,130.40	\$ 12,237.98	\$ 5,314.97	\$ 97,291.54	\$ 123,757.90	\$ 118,343.60	\$ 157,862.67	\$ 26,465.96
	40130894.00	\$ 166,853.45	\$ 2,050,670.82	\$ 926,406.01	\$ 1,655.48	\$ 34,694.16	\$ 146,855.76	\$ 57,083.62	\$ 1,072,533.89	\$ 1,294,437.93	\$ 1,288,637.86	\$ 1,400,903.51	\$ 98,146.14



2018 - ELECTRIC CONSUMPTION / BILLING

2018	RESIDENTIAL					COMMERCIAL					LARGE POWER					DEMAND		
	ER KW	METERS	FUEL ADJ	EO BASE	ER AMT BILLED	EC KW	METERS	FUEL ADJ	EC AMT BILLED	LG KW	METERS	LG AMT BILLED	FUEL ADJ	DEMAND KW	METERS	DEMAND AMT BILLED		
JAN	824775.00	1184	\$ 23,886.23	\$ 1,033.31	\$ 73,502.75	277681.00	194	\$ 8,711.58	\$ 29,629.27	546454.00	14	\$ 28,005.61	\$ 16,708.26	1584.00	13	\$ 14,129.91		
FEB	755784.00	1192	\$ 21,886.25	\$ 915.67	\$ 64,955.21	297915.00	195	\$ 9,238.83	\$ 32,172.30	581041.00	14	\$ 30,656.93	\$ 17,744.62	1587.00	13	\$ 14,129.91		
MAR	602975.00	1186	\$ 15,600.65	\$ 714.60	\$ 49,954.40	222635.00	195	\$ 6,205.02	\$ 23,742.32	471581.00	14	\$ 24,112.21	\$ 12,859.67	1588.00	13	\$ 14,129.91		
APR	618886.00	1201	\$ 16,014.45	\$ 754.80	\$ 53,333.70	262362.00	195	\$ 7,222.25	\$ 28,206.56	538173.00	14	\$ 27,984.99	\$ 14,455.97	1587.00	13	\$ 14,129.91		
MAY	542788.00	1190	\$ 14,043.40	\$ 646.46	\$ 45,330.82	240155.00	193	\$ 6,534.02	\$ 25,681.91	513886.00	14	\$ 26,312.07	\$ 13,645.30	1589.00	13	\$ 14,129.91		
JUN	506506.00	1218	\$ 13,090.89	\$ 603.22	\$ 41,227.35	246141.00	194	\$ 6,840.79	\$ 26,810.54	612257.00	14	\$ 31,427.36	\$ 16,156.24	1601.00	13	\$ 14,205.68		
JUL	544218.00	1189	\$ 11,210.66	\$ 670.21	\$ 46,661.65	265742.00	195	\$ 5,812.26	\$ 28,822.20	495591.00	14	\$ 25,360.73	\$ 13,216.06	1310.00	13	\$ 12,369.20		
AUG	618782.00	1200	\$ 12,749.74	\$ 768.02	\$ 54,074.95	320156.00	195	\$ 6,975.23	\$ 34,143.82	688759.00	15	\$ 35,405.47	\$ 18,065.37	1398.00	13	\$ 12,981.26		
SEPT	381711.00	1201	\$ 7,865.60	\$ 412.33	\$ 27,489.13	189615.00	195	\$ 4,124.10	\$ 20,080.68	464733.00	15	\$ 23,756.12	\$ 12,204.30	1523.00	13	\$ 13,989.20		
OCT	469330.00	1185	\$ 10,035.73	\$ 607.69	\$ 43,893.06	184489.00	210	\$ 4,202.73	\$ 20,256.71	466848.00	15	\$ 24,595.79	\$ 12,476.98	1573.00	13	\$ 14,580.32		
NOV	641808.00	1184	\$ 13,834.67	\$ 920.71	\$ 67,736.28	263763.00	210	\$ 5,693.03	\$ 30,405.49	556159.00	15	\$ 30,302.08	\$ 15,174.77	1448.00	13	\$ 13,497.92		
DEC	638915.00	1179	\$ 13,764.54	\$ 916.61	\$ 67,416.00	243822.00	210	\$ 5,244.40	\$ 28,253.32	453359.00	15	\$ 23,897.02	\$ 12,920.28	1596.00	13	\$ 14,580.32		
TOTAL	7146478.00	14309.00	173982.81	8963.63	635575.30	3014476.00	2381.00	76804.24	328205.12	6388841.00	173.00	331816.38	175027.82	18384.00	156.00	166853.45		
AVG	595539.8333	1192.417	14498.5675	746.9691667	52964.60833	251206.3333	198.4167	6400.353333	27350.42667	532403.4167	14.41667	27651.365	14585.65167	1532	13	13904.45417		

TOTAL Kwh 16568.18
AVERAGE METERS 1418.25

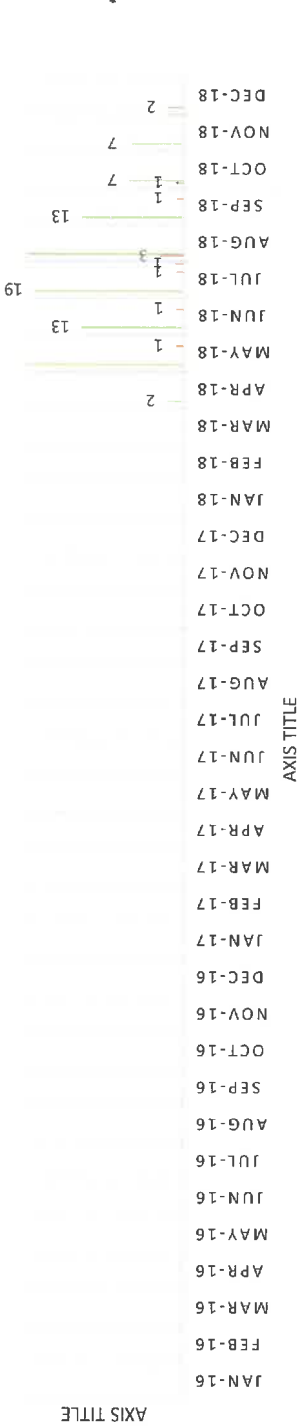
WATER AND LIGHT
MISS DIGS

Water & Light
Miss Digs
DECEMBER 2018

MISS DIGS	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
000 RESPONSE PENDING												
001 NO CONFLICT								3		1		
002 MARKED			2	31	13	19	24	13	7	7	7	2
003 NOT COMPLETE												
004 MARKED-UTILITY REQUIRED ON SITE DURING EXCAVATION												
005 ON GOING COORDINATION												
006 NOT MARKED-NO ACCESS TO WORK AREA												
007 STATED SCOPE OF WORK COMPLETED												
008 FACILITY RESPONSE NOT REQUIRED												
009 ADDITIONAL LOCATING REQUIRED												
010 EXEMPT FROM MARKING												
013 CANCELED					1	1	1		1			
201 DESIGN-TASK FACILITIES												
202 DESIGN-TASK COMPLETED												
203 DESIGN-MARKING REQUIRED												
999 HAS NOT RESPONDED							1					
TOTALS	0	0	0	2	32	14	21	27	14	8	7	2

WATER & LIGHT

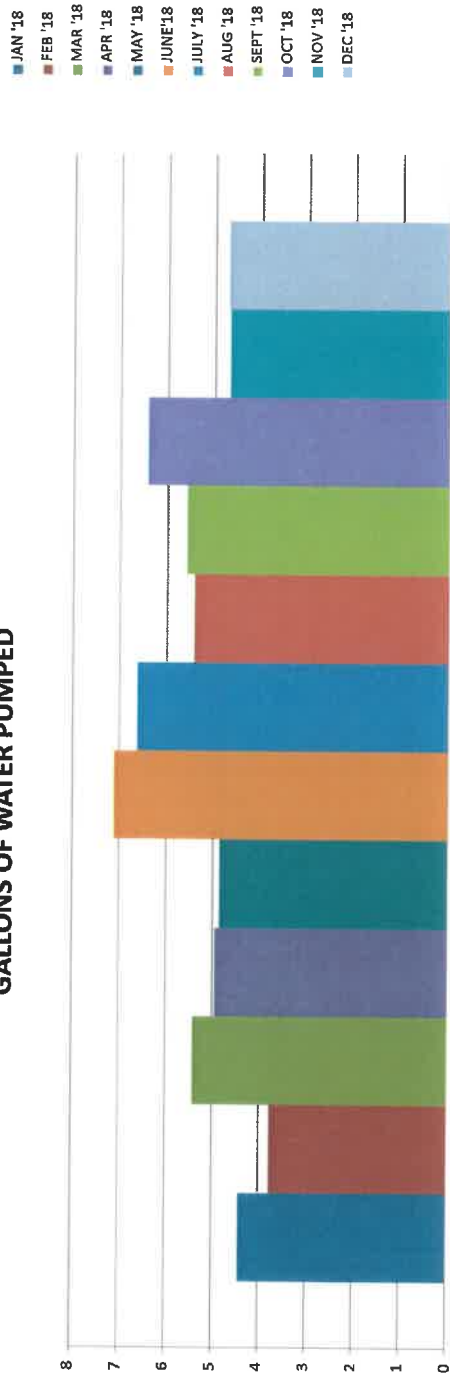
Series1 Series2 Series3 Series4 Series5 Series6 Series7 Series8 Series9 Series10 Series11 Series12 Series13 Series14 Series15 Series16



**Water & Light
Water Pumpage Report - 2018**

MONTH	12237.98	X 1,000,000	1000'S GALS		PUMPED NOT BILLED FOR	\$ BILLED FOR	GALS BILLED	LOSS	BILLED FOR	LOST REVENUE		
JAN '17	4.052	4052000	4052	\$	9.25	\$	43,601.00	\$	35,835.92	\$	7,765.08	
FEB '17	5.586	5586000	5586	\$	9.25	\$	57,790.50	\$	35,068.45	\$	22,722.05	
MAR '17	4.919	4919000	4919	\$	9.25	\$	51,620.75	\$	32,783.23	\$	18,837.52	
APR '17	4.44	4440000	4440	\$	9.25	\$	47,190.00	\$	26,693.75	\$	20,496.25	
MAY '17	4.862	4862000	4862	\$	9.25	\$	51,093.50	\$	33,410.04	\$	17,683.46	
JUNE '17	6.218	6218000	6218	\$	9.25	\$	63,636.50	\$	41,981.56	\$	21,654.94	
JULY '17	5.236	5236000	5236	\$	9.25	\$	54,553.00	\$	32,873.46	\$	21,679.54	
					GOAL							
AUG '17	5.394	5394000	5394		\$	80,000.00	\$	82,799.37		1,103.99	\$	(2,799.37)
SEPT '17	5.566	5566000	5566		\$	80,000.00	\$	82,267.11		1,096.89	\$	(2,267.11)
OCT '17	4.53	4530000	4530			80,000.00	\$	82,568.39		1,100.91	\$	(2,568.39)
NOV '17	4.634	4634000	4634		\$	80,000.00	\$	82,239.62		1,096.53	\$	(2,239.62)
DEC '17	4.339	4339000	4339		\$	80,000.00	\$	82,001.71		1,093.36	\$	(2,001.71)
					GOAL					REU'S		
JAN '18	4.428	4428000	4428		\$	80,000.00	\$	74,408.55		992.11	\$	5,591.45
FEB '18	3.780	3780000	3780		\$	80,000.00	\$	77,569.72		1,034.26	\$	2,430.28
MAR '18	5.422	5422000	5422		\$	80,000.00	\$	77,216.00		1,029.55	\$	2,784.00
APR '18	4.9589	4958900	4958.9		\$	80,000.00	\$	86,588.54		1,154.51	\$	(6,588.54)
MAY '18	4.8636	4863600	4863.6		\$	80,000.00	\$	79,932.68		1,065.77	\$	67.32
JUNE'18	7.119	7119000	7119		\$	80,000.00	\$	78,705.95		1,049.41	\$	1,294.05
JULY '18	6.623	6623000	6623		\$	80,000.00	\$	79,353.86		1,058.05	\$	646.14
AUG '18	5.4298	5429800	5429.8		\$	80,000.00	\$	79,319.08		1,057.59	\$	680.92
SEPT '18	5.5869	5586900	5586.9		\$	80,000.00	\$	79,602.53		1,061.37	\$	397.47
OCT '18	6.4324	6432400	6432.4		\$	80,000.00	\$	82,403.88		1,098.72	\$	(2,403.88)
NOV '18	4.6858	4685800	4685.8		\$	80,000.00	\$	79,278.33		1,057.04	\$	721.67
DEC '18	4.7157	4715700	4715.7		\$	80,000.00	\$	77,232.21		1,029.76	\$	2,767.79
					GOAL				% OF GOAL			
					\$	960,000.00	\$	951,611.33				
					\$	951,611.33		99%				
	64.0451		REMAINING NEEDED FOR BUDGET				\$	5337		1095	\$	8,388.67

GALLONS OF WATER PUMPED



VILLAGE OF NEWBERRY
NEWBERRY WATER & LIGHT
2019 BOND LISTING

WATER FUND							
START DATE	PAY OFF DATE	LOAN DURATION	NAME	AMOUNT BORROWED	INTEREST RATE	PAYMENT DUE DATE	2019 AMOUNT
3/1/2006	9/1/2045	40 YRS	2005 Water Supply System Revenue Bond USDA WATER REV BOND Loan #91-01 Buy property, drill wells, mains to tower	\$ 2,300,000.00	4.125%	1-Mar 1-Sep 1-Sep	\$ 40,198.00 \$ 40,198.00 \$ 37,000.00
3/1/2009	9/1/2048	40 YRS	2009 Water Supply System Revenue Bond USDA JUNIOR WATER BOND LOAN #91-03 Water Project Phase 1-4, replace mains	\$ 300,000.00	4.125%	1-Mar 1-Sep 1-Sep	\$ 5,444.98 \$ 5,444.98 \$ 5,000.00
5/1/2015	11/1/2054	40 YRS	2014 Water Supply System Revenue Bond 2014 USDA WATER SUPPLY REV BOND #91-05 Water Project Phase 5, replace mains	\$ 6,263,000.00	2.125%	1-May 1-Nov 1-Nov	\$ 62,124.41 \$ 62,124.41 \$ 110,000.00
TOTAL WATER				\$ 367,534.78			\$ 7,908,000.00

ELECTRIC FUND							
START DATE	PAY OFF DATE	LOAN DURATION	NAME	AMOUNT BORROWED	INTEREST RATE	PAYMENT DUE DATE	2019 AMOUNT
8/29/2002	11/1/2022	20 YRS	Limited Tax General Obligation Capital Improvement Bond 2002 Capital Impr (69 line) (US BANK) Re-route 69 line	\$ 885,000.00	5.00% 5.10% 5.10%	1-May 1-Nov 1-Nov	\$ 6,375.00 \$ 6,375.00 \$ 60,000.00
9/30/2003	11/1/2023	20 YRS	Electric Utility System Revenue Bond 2003 Revenue Bond (Michigan Municipal Bond Authority) Build substation	\$ 965,000.00	4.80% 5.00% 5.00%	1-May 1-Nov 1-Nov	\$ 8,212.50 \$ 8,212.50 \$ 60,000.00
10/27/2005	11/1/2020	15 YRS	Electric Utility System Revenue Bond 2005 ELECTRIC Rev Bond (US BANK) Distribution voltage upgrade for entire Village	\$ 985,000.00	4.40% 4.45% 4.45%	1-May 1-Nov 1-Nov	\$ 3,916.25 \$ 3,916.25 \$ 85,000.00
TOTAL				\$ 242,007.50			\$ 242,007.50

Dated: 9/30/2005
 Delivered: 9/30/2005

Yearly Debt Service
 Village of Newberry
 2005 Water Supply System Revenue Bond

1

No Calls

Calendar Year	September 1 Principal	Coupon Rate	March 1 Interest	September 1 Interest	Yearly Debt Service	Outstanding Debt	Cusip #
2006	20,000.00	4.125	39,794.81	47,437.50	107,232.31	2,280,000.00	
2007	21,000.00	4.125	47,025.00	47,025.00	115,050.00	2,259,000.00	
2008	22,000.00	4.125	46,591.88	46,591.88	115,183.76	2,237,000.00	
2009	23,000.00	4.125	46,138.13	46,138.13	115,276.26	2,214,000.00	
2010	24,000.00	4.125	45,663.75	45,663.75	115,327.50	2,190,000.00	
2011	25,000.00	4.125	45,168.75	45,168.75	115,337.50	2,165,000.00	
2012	27,000.00	4.125	44,653.13	44,653.13	116,306.26	2,138,000.00	
2013	28,000.00	4.125	44,096.25	44,096.25	116,192.50	2,110,000.00	
2014	29,000.00	4.125	43,518.75	43,518.75	116,037.50	2,081,000.00	
2015	31,000.00	4.125	42,920.63	42,920.63	116,841.26	2,050,000.00	
2016	32,000.00	4.125	42,281.25	42,281.25	116,562.50	2,018,000.00	
2017	34,000.00	4.125	41,621.25	41,621.25	117,242.50	1,984,000.00	
2018	35,000.00	4.125	40,920.00	40,920.00	116,840.00	1,949,000.00	
2019	37,000.00	4.125	40,198.12	40,198.12	117,396.24	1,912,000.00	
2020	39,000.00	4.125	39,435.00	39,435.00	117,870.00	1,873,000.00	
2021	41,000.00	4.125	38,630.62	38,630.62	118,261.24	1,832,000.00	
2022	42,000.00	4.125	37,785.00	37,785.00	117,570.00	1,790,000.00	
2023	44,000.00	4.125	36,918.75	36,918.75	117,837.50	1,746,000.00	
2024	47,000.00	4.125	36,011.25	36,011.25	119,022.50	1,699,000.00	
2025	49,000.00	4.125	35,041.87	35,041.87	119,083.74	1,650,000.00	
2026	51,000.00	4.125	34,031.25	34,031.25	119,062.50	1,599,000.00	
2027	54,000.00	4.125	32,979.37	32,979.37	119,958.74	1,545,000.00	
2028	56,000.00	4.125	31,865.62	31,865.62	119,731.24	1,489,000.00	
2029	59,000.00	4.125	30,710.62	30,710.62	120,421.24	1,430,000.00	
2030	62,000.00	4.125	29,493.74	29,493.74	120,987.48	1,368,000.00	
2031	65,000.00	4.125	28,214.99	28,214.99	121,429.98	1,303,000.00	
2032	68,000.00	4.125	26,874.37	26,874.37	121,748.74	1,235,000.00	
2033	71,000.00	4.125	25,471.87	25,471.87	121,943.74	1,164,000.00	
2034	74,000.00	4.125	24,007.49	24,007.49	122,014.98	1,090,000.00	
2035	78,000.00	4.125	22,481.24	22,481.24	122,962.48	1,012,000.00	
2036	81,000.00	4.125	20,872.49	20,872.49	122,744.98	931,000.00	
2037	85,000.00	4.125	19,201.87	19,201.87	123,403.74	846,000.00	
2038	89,000.00	4.125	17,448.75	17,448.75	123,897.50	757,000.00	
2039	94,000.00	4.125	15,613.13	15,613.13	125,226.26	663,000.00	
2040	98,000.00	4.125	13,674.38	13,674.38	125,348.76	565,000.00	
2041	103,000.00	4.125	11,653.13	11,653.13	126,306.26	462,000.00	
2042	108,000.00	4.125	9,528.75	9,528.75	127,057.50	354,000.00	
2043	113,000.00	4.125	7,301.25	7,301.25	127,602.50	241,000.00	
2044	118,000.00	4.125	4,970.63	4,970.63	127,941.26	123,000.00	
2045	123,000.00	4.125	2,536.88	2,536.88	128,073.76	-	
	2,300,000.00		1,243,346.01	1,250,988.70	4,794,334.71		

True Interest Cost (TIC)	4.1251860	Arbitrage Yield Limit (AYL)	4.1251860
Net Interest Cost (NIC)	4.1249999	Arbitrage Net Interest Cost (ANIC)	4.1250000

Prepared by: Click on the UserOps speed button to
 Prepared on: 11/16/2017 12:19 1695 Rpt 24e

:Mun-EaseElevateMainDb
 NEWBERRY-2005-A

Dated: 3/20/2009
 Delivered: 3/20/2009

Yearly Debt Service
 Village of Newberry
 2009 Water Supply System Revenue Bond

1
 No Calls

Calendar Year	September 1 Principal	Coupon Rate	March 1 Interest	September 1 Interest	Yearly Debt Service	Outstanding Debt	Cusip #
2009	3,000.00	4.125	-	5,534.38	8,534.38	297,000.00	
2010	3,000.00	4.125	6,125.62	6,125.62	15,251.24	294,000.00	
2011	3,000.00	4.125	6,063.74	6,063.74	15,127.48	291,000.00	
2012	3,000.00	4.125	6,001.86	6,001.86	15,003.72	288,000.00	
2013	4,000.00	4.125	5,939.98	5,939.98	15,879.96	284,000.00	
2014	4,000.00	4.125	5,857.48	5,857.48	15,714.96	280,000.00	
2015	4,000.00	4.125	5,774.98	5,774.98	15,549.96	276,000.00	
2016	4,000.00	4.125	5,692.48	5,692.48	15,384.96	272,000.00	
2017	4,000.00	4.125	5,609.98	5,609.98	15,219.96	268,000.00	
2018	4,000.00	4.125	5,527.48	5,527.48	15,054.96	264,000.00	
2019	5,000.00	4.125	5,444.98	5,444.98	15,889.96	259,000.00	
2020	5,000.00	4.125	5,341.86	5,341.86	15,683.72	254,000.00	
2021	5,000.00	4.125	5,238.74	5,238.74	15,477.48	249,000.00	
2022	5,000.00	4.125	5,135.62	5,135.62	15,271.24	244,000.00	
2023	5,000.00	4.125	5,032.50	5,032.50	15,065.00	239,000.00	
2024	6,000.00	4.125	4,929.38	4,929.38	15,858.76	233,000.00	
2025	6,000.00	4.125	4,805.63	4,805.63	15,611.26	227,000.00	
2026	6,000.00	4.125	4,681.88	4,681.88	15,363.76	221,000.00	
2027	6,000.00	4.125	4,558.13	4,558.13	15,116.26	215,000.00	
2028	7,000.00	4.125	4,434.38	4,434.38	15,868.76	208,000.00	
2029	7,000.00	4.125	4,290.00	4,290.00	15,580.00	201,000.00	
2030	7,000.00	4.125	4,145.62	4,145.62	15,291.24	194,000.00	
2031	7,000.00	4.125	4,001.24	4,001.24	15,002.48	187,000.00	
2032	8,000.00	4.125	3,856.86	3,856.86	15,713.72	179,000.00	
2033	8,000.00	4.125	3,691.86	3,691.86	15,383.72	171,000.00	
2034	8,000.00	4.125	3,526.86	3,526.86	15,053.72	163,000.00	
2035	9,000.00	4.125	3,361.86	3,361.86	15,723.72	154,000.00	
2036	9,000.00	4.125	3,176.24	3,176.24	15,352.48	145,000.00	
2037	9,000.00	4.125	2,990.62	2,990.62	14,981.24	136,000.00	
2038	10,000.00	4.125	2,805.00	2,805.00	15,610.00	126,000.00	
2039	10,000.00	4.125	2,598.75	2,598.75	15,197.50	116,000.00	
2040	11,000.00	4.125	2,392.50	2,392.50	15,785.00	105,000.00	
2041	11,000.00	4.125	2,165.62	2,165.62	15,331.24	94,000.00	
2042	12,000.00	4.125	1,938.74	1,938.74	15,877.48	82,000.00	
2043	12,000.00	4.125	1,691.24	1,691.24	15,382.48	70,000.00	
2044	13,000.00	4.125	1,443.74	1,443.74	15,887.48	57,000.00	
2045	13,000.00	4.125	1,175.62	1,175.62	15,351.24	44,000.00	
2046	14,000.00	4.125	907.50	907.50	15,815.00	30,000.00	
2047	14,000.00	4.125	618.75	618.75	15,237.50	16,000.00	
2048	16,000.00	4.125	330.00	330.00	16,660.00	-	
300,000.00			153,305.32	158,839.70	612,145.02		

True Interest Cost (TIC)	4.1251259	Arbitrage Yield Limit (AYL)	4.1251335
Net Interest Cost (NIC)	4.1249920	Arbitrage Net Interest Cost (ANIC)	4.1250000

Dated: 11/21/2014
Delivered: 11/21/2014

Yearly Debt Service
Village of Newberry
2014 Water Supply System Revenue Bond

1
No Calls

Calendar Year	November 1 Principal	Coupon Rate	May 1 Interest	November 1 Interest	Yearly Debt Service	Outstanding Debt	Cusip #
2015	101,000.00	2.125	59,150.58	66,544.41	226,694.99	6,162,000.00	
2016	103,000.00	2.125	65,471.29	65,471.29	233,942.58	6,059,000.00	
2017	105,000.00	2.125	64,376.91	64,376.91	233,753.82	5,954,000.00	
2018	107,000.00	2.125	63,261.29	63,261.29	233,522.58	5,847,000.00	
2019	110,000.00	2.125	62,124.41	62,124.41	234,248.82	5,737,000.00	
2020	112,000.00	2.125	60,955.66	60,955.66	233,911.32	5,625,000.00	
2021	114,000.00	2.125	59,765.66	59,765.66	233,531.32	5,511,000.00	
2022	117,000.00	2.125	58,554.41	58,554.41	234,108.82	5,394,000.00	
2023	119,000.00	2.125	57,311.29	57,311.29	233,622.58	5,275,000.00	
2024	122,000.00	2.125	56,046.91	56,046.91	234,093.82	5,153,000.00	
2025	124,000.00	2.125	54,750.66	54,750.66	233,501.32	5,029,000.00	
2026	127,000.00	2.125	53,433.16	53,433.16	233,866.32	4,902,000.00	
2027	130,000.00	2.125	52,083.78	52,083.78	234,167.56	4,772,000.00	
2028	133,000.00	2.125	50,702.53	50,702.53	234,405.06	4,639,000.00	
2029	135,000.00	2.125	49,289.41	49,289.41	233,578.82	4,504,000.00	
2030	138,000.00	2.125	47,855.03	47,855.03	233,710.06	4,366,000.00	
2031	141,000.00	2.125	46,388.78	46,388.78	233,777.56	4,225,000.00	
2032	144,000.00	2.125	44,890.66	44,890.66	233,781.32	4,081,000.00	
2033	147,000.00	2.125	43,360.66	43,360.66	233,721.32	3,934,000.00	
2034	150,000.00	2.125	41,798.78	41,798.78	233,597.56	3,784,000.00	
2035	154,000.00	2.125	40,205.03	40,205.03	234,410.06	3,630,000.00	
2036	157,000.00	2.125	38,568.78	38,568.78	234,137.56	3,473,000.00	
2037	160,000.00	2.125	36,900.65	36,900.65	233,801.30	3,313,000.00	
2038	164,000.00	2.125	35,200.65	35,200.65	234,401.30	3,149,000.00	
2039	167,000.00	2.125	33,458.15	33,458.15	233,916.30	2,982,000.00	
2040	171,000.00	2.125	31,683.77	31,683.77	234,367.54	2,811,000.00	
2041	174,000.00	2.125	29,866.89	29,866.89	233,733.78	2,637,000.00	
2042	178,000.00	2.125	28,018.14	28,018.14	234,036.28	2,459,000.00	
2043	182,000.00	2.125	26,126.89	26,126.89	234,253.78	2,277,000.00	
2044	186,000.00	2.125	24,193.14	24,193.14	234,386.28	2,091,000.00	
2045	190,000.00	2.125	22,216.89	22,216.89	234,433.78	1,901,000.00	
2046	194,000.00	2.125	20,198.14	20,198.14	234,396.28	1,707,000.00	
2047	198,000.00	2.125	18,136.89	18,136.89	234,273.78	1,509,000.00	
2048	202,000.00	2.125	16,033.14	16,033.14	234,066.28	1,307,000.00	
2049	206,000.00	2.125	13,886.89	13,886.89	233,773.78	1,101,000.00	
2050	211,000.00	2.125	11,698.14	11,698.14	234,396.28	890,000.00	
2051	215,000.00	2.125	9,456.26	9,456.26	233,912.52	675,000.00	
2052	220,000.00	2.125	7,171.88	7,171.88	234,343.76	455,000.00	
2053	224,000.00	2.125	4,834.38	4,834.38	233,668.76	231,000.00	
2054	231,000.00	2.125	2,454.38	2,454.38	235,908.76	-	
6,263,000.00			1,541,880.94	1,549,274.77	9,354,155.71		

True Interest Cost (TIC)	2.1250330	Arbitrage Yield Limit (AYL)	2.1250316
Net Interest Cost (NIC)	2.1250014	Arbitrage Net Interest Cost (ANIC)	2.1250000

Prepared by: Click on the UserOps speed button to
Prepared on: 11/16/2017 12:13 1695 Rpt 24e

:Mun-EaseElevateMainDb
NEWBERRY-2014-B

2002 Electric Bond

VILLAGE OF NEWBERRY
Capital Improvement Bonds, Series 2002
\$885,000

DEBT SERVICE SCHEDULE

DELIVERY DATE: 8/29/ 2

DATE	PRINCIPAL	COUPON	INTEREST	PERIOD TOTAL	FISCAL TOTAL
5/ 1/ 3			31,065.00	31,065.00	
11/ 1/ 3	25,000.00	4.350000	20,710.00	45,710.00	76,775.00
5/ 1/ 4			20,166.25	20,166.25	
11/ 1/ 4	30,000.00	4.350000	20,166.25	50,166.25	70,332.50
5/ 1/ 5			19,513.75	19,513.75	
11/ 1/ 5	30,000.00	4.350000	19,513.75	49,513.75	69,027.50
5/ 1/ 6			18,861.25	18,861.25	
11/ 1/ 6	30,000.00	4.350000	18,861.25	48,861.25	67,722.50
5/ 1/ 7			18,208.75	18,208.75	
11/ 1/ 7	35,000.00	4.350000	18,208.75	53,208.75	71,417.50
5/ 1/ 8			17,447.50	17,447.50	
11/ 1/ 8	35,000.00	4.350000	17,447.50	52,447.50	69,895.00
5/ 1/ 9			16,686.25	16,686.25	
11/ 1/ 9	35,000.00	4.350000	16,686.25	51,686.25	68,372.50
5/ 1/10			15,925.00	15,925.00	
11/ 1/10	40,000.00	4.350000	15,925.00	55,925.00	71,050.00
5/ 1/11			15,055.00	15,055.00	
11/ 1/11	40,000.00	4.350000	15,055.00	55,055.00	70,110.00
5/ 1/12			14,185.00	14,185.00	
11/ 1/12	40,000.00	4.350000	14,185.00	54,185.00	68,370.00
5/ 1/13			13,315.00	13,315.00	
11/ 1/13	45,000.00	4.400000	13,315.00	58,315.00	71,630.00
5/ 1/14			12,325.00	12,325.00	
11/ 1/14	45,000.00	4.500000	12,325.00	57,325.00	69,650.00
5/ 1/15			11,312.50	11,312.50	
11/ 1/15	50,000.00	4.600000	11,312.50	61,312.50	72,625.00
5/ 1/16			10,162.50	10,162.50	
11/ 1/16	50,000.00	4.750000	10,162.50	60,162.50	70,325.00
5/ 1/17			8,975.00	8,975.00	
11/ 1/17	50,000.00	4.900000	8,975.00	58,975.00	67,950.00
5/ 1/18			7,750.00	7,750.00	
11/ 1/18	55,000.00	5.000000	7,750.00	62,750.00	70,500.00
5/ 1/19			6,375.00	6,375.00	
11/ 1/19	60,000.00	5.100000	6,375.00	66,375.00	72,750.00
5/ 1/20			4,845.00	4,845.00	
11/ 1/20	60,000.00	5.100000	4,845.00	64,845.00	69,690.00
5/ 1/21			3,315.00	3,315.00	
11/ 1/21	65,000.00	5.100000	3,315.00	68,315.00	71,630.00
5/ 1/22			1,657.50	1,657.50	
11/ 1/22	65,000.00	5.100000	1,657.50	66,657.50	68,315.00
ACCURED	885,000.00		523,937.50	1,408,937.50	
			3,221.56	3,221.56	
	885,000.00		520,715.94	1,405,715.94	

2003 Electric Bond

LOAN REPAYMENT SCHEDULE - EXHIBIT A TO PURCHASE CONTRACT
Interest Rates as of Final Pricing on 09/16/03

MICHIGAN MUNICIPAL BOND AUTHORITY
Local Government Loan Program Revenue Bonds
Series 2003B

Borrower: Village of Newberry
Revenue Sharing Bonds

Transaction Summary

Dated Date: 9/30/2003
Closing Date: 9/30/2003
Structure: Serial 04-23
Call Features: 11/1/13 @ 100
Arbitrage Yield: 4.63554%
Maximum Annual Debt Service: \$77,175
Weighted Avg Maturity of 2003B Bonds: 11.962 years

Purchase Price

Par Amount \$965,000.00
Net Premium/(Discount) (7,737.15)
Gross Proceeds \$957,262.85
Underwriter's Discount (7,147.23)
Authority's Cost of Issuance (9,358.06)
Deposit to Escrow⁽¹⁾ (357,506.25)
Purchase Price * \$583,251.31

Refunding Results of Series 1991B Bonds

Par amount of Refunded bonds: \$345,000.00
Maturities of Refunded Bonds: 2003-2010
Net PV Savings as % of Refunded Bonds: 14.21892%
Net PV Savings: \$49,055.27

*** Including:**

Project Fund⁽²⁾ \$580,000.00
Local Cost of Issuance⁽²⁾ \$0.00
Additional Proceeds⁽²⁾ \$3,251.31

Debt Service Schedule

<u>Payment Date</u>	<u>Principal</u>	<u>Coupon</u>	<u>Interest</u>	<u>Debt Service</u>	<u>Annual Debt Service</u>
5/1/2004			23,485.47	23,485.47	
11/1/2004	30,000.00	2.000%	20,035.00	50,035.00	73,520.47
5/1/2005			19,735.00	19,735.00	
11/1/2005	35,000.00	2.000%	19,735.00	54,735.00	74,470.00
5/1/2006			19,385.00	19,385.00	
11/1/2006	35,000.00	2.500%	19,385.00	54,385.00	73,770.00
5/1/2007			18,947.50	18,947.50	
11/1/2007	35,000.00	2.500%	18,947.50	53,947.50	72,895.00
5/1/2008			18,510.00	18,510.00	
11/1/2008	40,000.00	3.000%	18,510.00	58,510.00	77,020.00
5/1/2009			17,910.00	17,910.00	
11/1/2009	40,000.00	3.100%	17,910.00	57,910.00	75,820.00
5/1/2010			17,290.00	17,290.00	
11/1/2010	40,000.00	3.500%	17,290.00	57,290.00	74,580.00
5/1/2011			16,590.00	16,590.00	
11/1/2011	40,000.00	3.750%	16,590.00	56,590.00	73,180.00
5/1/2012			15,840.00	15,840.00	
11/1/2012	45,000.00	4.000%	15,840.00	60,840.00	76,680.00
5/1/2013			14,940.00	14,940.00	
11/1/2013	45,000.00	4.100%	14,940.00	59,940.00	74,880.00
5/1/2014			14,017.50	14,017.50	
11/1/2014	45,000.00	4.300%	14,017.50	59,017.50	73,035.00
5/1/2015			13,050.00	13,050.00	
11/1/2015	50,000.00	4.400%	13,050.00	63,050.00	76,100.00
5/1/2016			11,950.00	11,950.00	
11/1/2016	50,000.00	4.500%	11,950.00	61,950.00	73,900.00
5/1/2017			10,825.00	10,825.00	
11/1/2017	55,000.00	4.700%	10,825.00	65,825.00	76,650.00
5/1/2018			9,532.50	9,532.50	
11/1/2018	55,000.00	4.800%	9,532.50	64,532.50	74,065.00
5/1/2019			8,212.50	8,212.50	
11/1/2019	60,000.00	5.000%	8,212.50	68,212.50	76,425.00
5/1/2020			6,712.50	6,712.50	
11/1/2020	60,000.00	5.000%	6,712.50	66,712.50	73,425.00
5/1/2021			5,212.50	5,212.50	
11/1/2021	65,000.00	5.000%	5,212.50	70,212.50	75,425.00
5/1/2022			3,587.50	3,587.50	
11/1/2022	70,000.00	5.125%	3,587.50	73,587.50	77,175.00
5/1/2023			1,793.75	1,793.75	
11/1/2023	70,000.00	5.125%	1,793.75	71,793.75	73,587.50
	965,000.00		531,602.97	1,496,602.97	1,496,602.97

(1) Gross funding of the escrow to call \$345,000 Newberry's loan issued through MMBA LGLP Series 1991B on 11/1/2003 at par
(2) To be wired to account(s) designated by the Borrower upon closing.

2005 Electric Bond

Oct 13 05 10:16a

TT

517 23-6252

p.2

Village of Newberry Electric Utility System Revenue Bonds, Series 2005 \$985,000

DEBT SERVICE SCHEDULE

DELIVERY DATE: 10/27/ 5

DATE	PRINCIPAL	COUPON	INTEREST	PERIOD TOTAL	FISCAL TOTAL
5/ 1/ 6			22,825.83	22,825.83	
11/ 1/ 6	50,000.00	3.000000	19,565.00	69,565.00	92,390.83
5/ 1/ 7			18,815.00	18,815.00	
11/ 1/ 7	50,000.00	3.100000	18,815.00	68,815.00	87,630.00
5/ 1/ 8			18,040.00	18,040.00	
11/ 1/ 8	50,000.00	3.250000	18,040.00	68,040.00	86,080.00
5/ 1/ 9			17,227.50	17,227.50	
11/ 1/ 9	55,000.00	3.400000	17,227.50	72,227.50	89,455.00
5/ 1/10			16,292.50	16,292.50	
11/ 1/10	55,000.00	3.600000	16,292.50	71,292.50	87,585.00
5/ 1/11			15,302.50	15,302.50	
11/ 1/11	60,000.00	3.750000	15,302.50	75,302.50	90,605.00
5/ 1/12			14,177.50	14,177.50	
11/ 1/12	60,000.00	3.850000	14,177.50	74,177.50	88,355.00
5/ 1/13			13,022.50	13,022.50	
11/ 1/13	65,000.00	4.000000	13,022.50	78,022.50	91,045.00
5/ 1/14			11,722.50	11,722.50	
11/ 1/14	65,000.00	4.100000	11,722.50	76,722.50	88,445.00
5/ 1/15			10,390.00	10,390.00	
11/ 1/15	70,000.00	4.200000	10,390.00	80,390.00	90,780.00
5/ 1/16			8,920.00	8,920.00	
11/ 1/16	75,000.00	4.300000	8,920.00	83,920.00	92,840.00
5/ 1/17			7,307.50	7,307.50	
11/ 1/17	75,000.00	4.350000	7,307.50	82,307.50	89,615.00
5/ 1/18			5,676.25	5,676.25	
11/ 1/18	80,000.00	4.400000	5,676.25	85,676.25	91,352.50
5/ 1/19			3,916.25	3,916.25	
11/ 1/19	85,000.00	4.450000	3,916.25	88,916.25	92,832.50
5/ 1/20			2,025.00	2,025.00	
11/ 1/20	90,000.00	4.500000	2,025.00	92,025.00	94,050.00
	985,000.00		368,060.83	1,353,060.83	
ACCRUED			2,826.06	2,826.06	
	985,000.00		365,234.78	1,350,234.78	

DATED 10/ 1/ 5 WITH DELIVERY OF 10/27/ 5

BOND YEARS

8,767.083

AVERAGE COUPON

4.198

AVERAGE LIFE

8.901

N I C

4.198213 % USING 100.0000000

T I C

4.176397 % USING 100.0000000

ACI Finance, Inc.

OLD BILL (POST CARD)**NEW BILL**

<i>Code</i>	<i>Explanation</i>		<i>Code</i>	<i>Explanation</i>
ER	Electric Residential		ER	Electric Charge Residential
EA	Energy Adjustment		EA	Fuel Adjustment
EB	Electrical Base		EB	Electric Residential Base
OR	Michigan Energy Optimization Residential		OR	Energy Optimization Residential
PA	PA 95 of 2013		PA	MI PA95 of 2013
SB	Sewer Flat		SB	Sewer Base Rate Residential
WA	Water Flat		WA	Water Base Rate Residential
GR	Garbage Residential		GR	Garbage Base Residential
WC	Water Read (NO LONGER IN USE)			Total Sales Tax (New to bill)

Monthly base rate.
Base case cost.
EA for 1st 6 months
EA for 2nd 6 months

\$0.100793
\$0.045221
\$0.016061

Newberry Water & Light Board
307 East McMillan Avenue
Newberry, MI 49868
Modified and updated Sep 2013 (PFL)

Monthly base rate adopted in Aug 2012, and applied to Nov 2013 billing. There is also a \$9.00 meter base charge. Keep both until changed by board.
Base case cost per kWh adopted at the time we modified our EA procedure in Mar 2007. Keep until changed by board.

Enter this EA figure from cell E33 of last year spreadsheet.
Enter this EA figure from cell E32 of this year spreadsheet.

This sheet is in protected mode. Cells with this background color are not locked and can be changed.
If protection is turned off, all cells can be edited. Formulas should not be modified without good reason.

After making a data entry, MAKE SURE TO SAVE before exiting.
this tan area is for notes, info, etc. The blue tab named "NOTES" at bottom shows more information.

For Year

2019

For each new year, save the sheet for the next year and edit the year to the left. Use FILE>SAVE AS>NEWNAME to do this, where NEWNAME means the new year is used.

	Billing month	Power Cost/kWh	Base Case Cost/kWh	Increase/ (DECREASE) Base Case (%)	EA Real Cost Difference	Total EA Adjustment	Monthly Base Rate	Monthly Applied Rate
January	(Dec bill)	\$0.000000	\$0.045221			\$0.016061	\$0.100793	\$0.116854
February	(Jan bill)	\$0.000000	\$0.045221					
March	(Feb bill)	\$0.000000	\$0.045221					
April	(Mar bill)	\$0.000000	\$0.045221					
May	(Apr bill)	\$0.000000	\$0.045221					
June	(May bill)	\$0.000000	\$0.045221					
July	(June bill)	\$0.061028	\$0.045221	34.954%	\$0.015807			
August	(July bill)	\$0.060438	\$0.045221	33.650%	\$0.015217			
September	(Aug bill)	\$0.062248	\$0.045221	37.654%	\$0.017027		\$0.100793	#VALUE!
October	(Sep bill)	\$0.060344	\$0.045221	33.442%	\$0.015123			
November	(Oct bill)	\$0.061510	\$0.045221	36.021%	\$0.016289			
December	(Nov bill)	\$0.062124	\$0.045221	37.379%	\$0.016903			
AVERAGES, Jan - Jun				0.355165063	\$0.016061			
AVERAGES, Jul - Dec								

NOTE: Use this rate for Jan - June (of this year) billing period. This is the rate for calculating customer billing.

NOTE: Use this rate for the July - Dec (of this year) billing period. This is the rate for calculating customer billing.

Note: new EA for the second 6 months of this year. (enter this value in cell A5 of this year spreadsheet)

Note: new EA for the first 6 months of NEXT year. (enter this value in cell A4 of the new next year spreadsheet) when you make it.

Note: these fields (averages) populate automatically when the figures for Cloverland Cost/kWh are all filled in.

I STARTED EDITING PROCESS AUG 2013
TO ELIMINATE THE OLD NON-USED PARTS WHICH WERE USED IN THE ORIGINAL
AND MAKE IT INTO A GENERAL PURPOSE CALCULATOR FOR THE EA ADJUSTMENT
PFL AUG 19, 2013

More editing, 8-30-13, PFL Mostly finalized 8-30-13; 22:30
Started on EDIT-3 9-1-13 22:00 Ready for test and review 9-12-13
More tinkering 9-1-13
Final edit and test 12-30-13

SPECIAL NOTE for 2014: There is an error in the data entry chronology. This is a result of me somehow having entered the JUNE bill information in cell B23 instead of the correct MAY information. The board had already approved the EA rate by the time I found this, and the difficulty of reversing this would have been large, so I used the MAY bill info in cell B25 to offset the EA for the next 6 months in a compensating manner. So, cells B23 and B25 should actually be swapped for exact computation for the respective periods. The actual error is small, .026627 as shown now, and .024414 if the correct info is used. PFL 8-8-2014.

MONTH	ATC	HYDRO	CONSUMERS	MPPA	MISO	TOTAL	KW/H	HYDRO KW/H	TOTAL	COST/KW/H
JAN										
FEB										
MAR										
APR										
MAY										
JUN										
JUL	\$ 12,237.98	\$ 5,292.18	\$ 69,584.39	\$ 98.98	\$ 3,543.06	\$ 90,756.59	1,040,940	446,200	1487140.00	\$ 0.0610
AUG	\$ 12,237.98	\$ 5,213.38	\$ 95,012.40	\$ 101.26	\$ 2,915.81	\$ 115,480.83	1,464,740	446,000	1910740.00	\$ 0.0604
SEP	\$ 12,237.98	\$ 5,211.90	\$ 64,776.80	\$ 31.99	\$ 3,451.94	\$ 85,710.61	960,813	416,100	1376913.00	\$ 0.0622
OCT	\$ 12,237.98	\$ 5,177.30	\$ 63,885.96	\$ 32.99	\$ 2,758.59	\$ 84,092.82	945,966	447,600	1393566.00	\$ 0.0603
NOV	\$ 12,237.98	\$ 5,314.97	\$ 75,309.36	\$ 34.35	\$ 2,914.81	\$ 95,811.47	1,136,156	421,500	1557656.00	\$ 0.0615
DEC	\$ 12,237.98	\$ 5,298.12	\$ 81,923.16	\$ 63.37	\$ 3,130.40	\$ 102,653.03	1,246,586	405,800	1652386.00	\$ 0.0621
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\$574,505.3500000
 6,795,201.00 2,583,200.00 9,378,401.00
 \$6,795,201000

9,378,401.00
 27.544%