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UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL UTILITIES SERVICE

BORROWER DESIGNATION
MI0037

FINANCIAL AND OPERATING REPORT
ELECTRIC POWER SUPPLY

PERIOD ENDED December, 2015 (Prepared with Audited Dat.

INSTRUCTIONS - See help in the online application.

BORROWER NAME
Thumb Electric Cooperative of Michigan

This information is analyzed and used to determine the submitter's financial situation and feasibility for loans and guarantees. You are required by contract and applicable regulations to provide the information. The information provided is subject to the Freedom of Information Act (5 U.S.C. 552)

CERTIFICATION

We recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Section 1001.

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

ALL INSURANCE REQUIRED BY PART 1788 OF 7 CFR CHAPTER XVII, RUS, WAS IN FORCE DURING THE REPORTING PERIOD AND RENEWALS HAVE BEEN OBTAINED FOR ALL POLICIES DURING THE PERIOD COVERED BY THIS REPORT PURSUANT TO PART 1718 OF 7 CFR CHAPTER XVII

(check one of the following)

All of the obligations under the RUS loan documents have been fulfilled in all material respects.

There has been a default in the fulfillment of the obligations under the RUS loan documents. Said default(s) is/are specifically described in Part A Section C of this report.

Dallas Blam

3-22-16
DATE

RUS Financial and Operating Report Electric Power Supply

Revision Date 2013



reUNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE		BORROWER DESIGNATION MI0037		
FINANCIAL AND OPERATING REPORT ELECTRIC POWER SUPPLY PART C - SOURCES AND DISTRIBUTION OF ENERGY		PERIOD ENDED December, 2015		
INSTRUCTIONS - See help in the online application.				
SOURCES OF ENERGY (a)	NO. OF PLANTS (b)	CAPACITY (kW) (c)	NET ENERGY RECIEVED BY SYSTEM (MWh) (d)	COST (\$) (e)
Generated in Own Plant (Details on Parts D, E, F IC, F CC, and G)				
1. Fossil Steam	0	0	0	0
2. Nuclear	0	0	0	0
3. Hydro	0	0	0	0
4. Combined Cycle	0	0	0	0
5. Internal Combustion	2	21,913	623	101,214
6. Other				
7. Total in Own Plant (1 thru 6)	2	21,913	623	101,214
Purchased Power				
8. Total Purchased Power			0	0
Interchanged Power				
9. Received Into System (Gross)				
10. Delivered Out of System (Gross)				
11. Net Interchange (9 - 10)				
Transmission For or By Others - (Wheeling)				
12. Received Into System				
13. Delivered Out of System				
14. Net Energy Wheeled (12 - 13)				
15. Total Energy Available for Sale (7 + 8 + 11 + 14)			622	
Distribution of Energy				
16. Total Sales			0	
17. Energy Furnished to Others Without Charge				
18. Energy Used by Borrower (Excluding Station Use)				
19. Total Energy Accounted For (16 thru 18)			0	
Losses				
20. Energy Losses - MWh (15 - 19)			622	
21. Energy Losses - Percentage ((20 / 15) * 100)			100.00 %	

UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL UTILITIES SERVICE

FINANCIAL AND OPERATING REPORT
ELECTRIC POWER SUPPLY
PART F IC - INTERNAL COMBUSTION PLANT

BORROWER DESIGNATION
MI0037

PLANT
Caro

PERIOD ENDED
December, 2015

INSTRUCTIONS - See help in the online application.

SECTION A. INTERNAL COMBUSTION GENERATING UNITS

NO.	UNIT NO. (a)	SIZE (kW) (b)	FUEL CONSUMPTION				OPERATING HOURS				GROSS GENER.(MWh) (k)	BTU PER kWh (l)	
			OIL (1000 Gals.) (c)	GAS (1000 C.F.) (d)	OTHER (e)	TOTAL (f)	IN SERVICE (g)	ON STANDBY (h)	OUT OF SERVICE SCHED. (i)	UNSCH. (j)			
1.	1	1,313							8,760				
2.	2	1,313							8,760				
3.	3	1,313							8,760				
4.	4	1,550							8,760				
5.	5	2,000							8,760				
6.	Total	9,489	0.00	0.00	0.00			0	52,560	0	0	0	
7.	Average BTU							Station Service (MWh)				(354.10)	0.00
8.	Total BTU (10 ⁶)					0.00		Net Generation (MWh)				354.10	
9.	Total Del. Cost (\$)							Station Service % of Gross				0.00	0.00

SECTION B. LABOR REPORT

SECTION C. FACTORS & MAXIMUM DEMAND

NO.	ITEM	VALUE	NO.	ITEM	VALUE	NO.	ITEM	VALUE
1.	No. Employees Full Time (Include Superintendent)	1	5.	Maintenance Plant Payroll (\$)	257	1.	Load Factor (%)	0.00%
2.	No. Employees Part Time		6.	Other Accounts Plant Payroll (\$)	79,039	2.	Plant Factor (%)	
3.	Total Employee Hours Worked	2,191	7.	Total Plant Payroll (\$)	79,596	3.	Running Plant Capacity Factor (%)	0.00%
4.	Operating Plant Payroll (\$)	300				4.	15 Min. Gross Max. Demand (kW)	
						5.	Indicated Gross Max. Demand (kW)	

SECTION D. COST OF NET ENERGY GENERATED

NO.	PRODUCTION EXPENSE	ACCOUNT NUMBER	AMOUNT (\$) (a)	MILLS/NET (kW) (b)	\$/10 ⁶ BTU (c)
1.	Operation, Supervision and Engineering	546	269		
2.	Fuel, Oil	547.1	0		0.00
3.	Fuel, Gas	547.2	0		0.00
4.	Fuel, Other	547.3	0		0.00
5.	Energy for Compressed Air	547.4	0	0.00	
6.	Fuel SubTotal (2 thru 5)	547	0	0.00	0.00
7.	Generation Expenses	548	0		
8.	Miscellaneous Other Power Generation Expenses	549	2,310		
9.	Rents	550	0		
10.	Non-Fuel SubTotal (1 + 7 thru 9)		2,579	7.28	
11.	Operation Expense (6 + 10)		2,579	7.28	
12.	Maintenance, Supervision and Engineering	551	0		
13.	Maintenance of Structures	552	500		
14.	Maintenance of Generating and Electric Plant	553	0		
15.	Maintenance of Miscellaneous Other Power Generating Plant	554	567		
16.	Maintenance Expense (12 thru 15)		1,067	3.01	
17.	Total Production Expense (11 + 16)		3,646	10.29	
18.	Depreciation	403.4, 411.10	57,549		
19.	Interest	427	5,044		
20.	Total Fixed Cost (18 + 19)		62,593	176.76	
21.	Power Cost (17 + 20)		66,239	187.06	

Remarks (including Unscheduled Outages)

FINANCIAL AND OPERATING REPORT
ELECTRIC POWER SUPPLY
PART F IC - INTERNAL COMBUSTION PLANT

BORROWER DESIGNATION
MI0037

PLANT
Caro

PERIOD ENDED
December, 2015

INSTRUCTIONS - See help in the online application.

SECTION A. INTERNAL COMBUSTION GENERATING UNITS

NO.	UNIT NO. (a)	SIZE (kW) (b)	FUEL CONSUMPTION				OPERATING HOURS					
			OIL (1000 Gals.) (c)	GAS (1000 C.F.) (d)	OTHER (e)	TOTAL (f)	IN SERVICE (g)	ON STANDBY (h)	OUT OF SERVICE		GROSS GENER.(MWh) (k)	BTU PER kWh (l)
									SCHED. (i)	UNSCH. (j)		
1.	6	2,000						8,760				
2.												
3.												
4.												
5.												
6.	Total											
7.	Average BTU						Station Service (MWh)					
8.	Total BTU (10 ⁶)						Net Generation (MWh)					
9.	Total Del. Cost (\$)						Station Service % of Gross					

SECTION B. LABOR REPORT

SECTION C. FACTORS & MAXIMUM DEMAND

NO.	ITEM	VALUE	NO.	ITEM	VALUE	NO.	ITEM	VALUE
1.	No. Employees Full Time (Include Superintendent)		5.	Maintenance Plant Payroll (\$)		1.	Load Factor (%)	
2.	No. Employees Part Time		6.	Other Accounts Plant Payroll (\$)		2.	Plant Factor (%)	
3.	Total Employee Hours Worked		7.	Total Plant Payroll (\$)		3.	Running Plant Capacity Factor (%)	
4.	Operating Plant Payroll (\$)					4.	15 Min. Gross Max. Demand (kW)	
						5.	Indicated Gross Max. Demand (kW)	

SECTION D. COST OF NET ENERGY GENERATED

NO.	PRODUCTION EXPENSE	ACCOUNT NUMBER	AMOUNT (\$) (a)	MILLS/NET (kWh) (b)	\$/10 ⁶ BTU (c)
1.	Operation, Supervision and Engineering	546			
2.	Fuel, Oil	547.1			
3.	Fuel, Gas	547.2			
4.	Fuel, Other	547.3			
5.	Energy for Compressed Air	547.4			
6.	Fuel SubTotal (2 thru 5)	547			
7.	Generation Expenses	548			
8.	Miscellaneous Other Power Generation Expenses	549			
9.	Rents	550			
10.	Non-Fuel SubTotal (1 + 7 thru 9)				
11.	Operation Expense (6 + 10)				
12.	Maintenance, Supervision and Engineering	551			
13.	Maintenance of Structures	552			
14.	Maintenance of Generating and Electric Plant	553			
15.	Maintenance of Miscellaneous Other Power Generating Plant	554			
16.	Maintenance Expense (12 thru 15)				
17.	Total Production Expense (11 + 16)				
18.	Depreciation	403.4, 411.10			
19.	Interest	427			
20.	Total Fixed Cost (18 + 19)				
21.	Power Cost (17 + 20)				

Remarks (including Unscheduled Outages)

FINANCIAL AND OPERATING REPORT
ELECTRIC POWER SUPPLY
PART F IC - INTERNAL COMBUSTION PLANT

BORROWER DESIGNATION
MI0037

PLANT
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PERIOD ENDED
December, 2015

INSTRUCTIONS - See help in the online application.

SECTION A. INTERNAL COMBUSTION GENERATING UNITS

NO.	UNIT NO. (a)	SIZE (kW) (b)	FUEL CONSUMPTION				OPERATING HOURS					
			OIL (1000 Gals.) (c)	GAS (1000 C.F.) (d)	OTHER (e)	TOTAL (f)	IN SERVICE (g)	ON STANDBY (h)	OUT OF SERVICE		GROSS GENER. (MWh) (k)	BTU PER kWh (l)
								SCHED. (i)	UNSCH. (j)			
1.	1	630	.05			[REDACTED]	1	8,759			1	[REDACTED]
2.	2	736	.05				1	8,759			1	
3.	3	736	.05				1	8,759			0	
4.	4	980	.06				1	8,759			1	
5.	5	1,550	.11				1	8,759			1	
6.	Total	12,424	.45	7.00	0.00		7	78,833	0	0	7	
7.	Average BTU		139,488.88	17,567.14			Station Service (MWh)			(261.30)	25,100.00	
8.	Total BTU (10 ⁶)		62.77	122.97		185.74	Net Generation (MWh)			268.70		
9.	Total Del. Cost (\$)						Station Service % of Gross			(3,531.08)	691.25	

SECTION B. LABOR REPORT

SECTION C. FACTORS & MAXIMUM DEMAND

NO.	ITEM	VALUE	NO.	ITEM	VALUE	NO.	ITEM	VALUE
1.	No. Employees Full Time (Include Superintendent)	1	5.	Maintenance Plant Payroll (\$)	788	1.	Load Factor (%)	0.00%
2.	No. Employees Part Time		6.	Other Accounts Plant Payroll (\$)	77,228	2.	Plant Factor (%)	0.01%
3.	Total Employee Hours Worked	2,177	7.	Total Plant Payroll (\$)	78,872	3.	Running Plant Capacity Factor (%)	85.31%
4.	Operating Plant Payroll (\$)	856				4.	15 Min. Gross Max. Demand (kW)	
						5.	Indicated Gross Max. Demand (kW)	

SECTION D. COST OF NET ENERGY GENERATED

NO.	PRODUCTION EXPENSE	ACCOUNT NUMBER	AMOUNT (\$) (a)	MILLS/NET (kWh) (b)	\$/10 ⁶ BTU (c)	
1.	Operation, Supervision and Engineering	546	852	[REDACTED]	[REDACTED]	
2.	Fuel, Oil	547.1	965			
3.	Fuel, Gas	547.2	186			
4.	Fuel, Other	547.3	0			
5.	Energy for Compressed Air	547.4	0			
6.	Fuel SubTotal (2 thru 5)	547	1,151	4.28	6.19	
7.	Generation Expenses	548	814	[REDACTED]	[REDACTED]	
8.	Miscellaneous Other Power Generation Expenses	549	1,716			
9.	Rents	550	0			
10.	Non-Fuel SubTotal (1 + 7 thru 9)		3,382			12.58
11.	Operation Expense (6 + 10)		4,533			16.87
12.	Maintenance, Supervision and Engineering	551	0			
13.	Maintenance of Structures	552	710			
14.	Maintenance of Generating and Electric Plant	553	687			
15.	Maintenance of Miscellaneous Other Power Generating Plant	554	215			
16.	Maintenance Expense (12 thru 15)		1,612			5.99
17.	Total Production Expense (11 + 16)		6,145	22.86		
18.	Depreciation	403.4, 411.10	18,742	[REDACTED]	[REDACTED]	
19.	Interest	427	10,088			
20.	Total Fixed Cost (18 + 19)		28,830			107.29
21.	Power Cost (17 + 20)		34,975	130.16		

Remarks (including Unscheduled Outages)

FINANCIAL AND OPERATING REPORT
ELECTRIC POWER SUPPLY
PART F IC - INTERNAL COMBUSTION PLANT

BORROWER DESIGNATION
MI0037

PLANT
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PERIOD ENDED
December, 2015

INSTRUCTIONS - See help in the online application.

SECTION A. INTERNAL COMBUSTION GENERATING UNITS

NO.	UNIT NO. (a)	SIZE (kW) (b)	FUEL CONSUMPTION				OPERATING HOURS					
			OIL (1000 Gals.) (c)	GAS (1000 C.F.) (d)	OTHER (e)	TOTAL (f)	IN SERVICE (g)	ON STANDBY (h)	OUT OF SERVICE		GROSS GENER. (MWh) (k)	BTU PER kWh (l)
			SCHED. (i)		UNSCH. (j)							
1.	6	1,542	.04	7.00			1	8,759			2	
2.	7	2,500	.09				1	8,759			2	
3.	8	2,250						8,760				
4.	9	1,500						8,760				
5.												
6.	Total											
7.	Average BTU						Station Service (MWh)					
8.	Total BTU (10 ⁶)						Net Generation (MWh)					
9.	Total Del. Cost (\$)						Station Service % of Gross					

SECTION B. LABOR REPORT

SECTION C. FACTORS & MAXIMUM DEMAND

NO.	ITEM	VALUE	NO.	ITEM	VALUE	NO.	ITEM	VALUE
1.	No. Employees Full Time (Include Superintendent)		5.	Maintenance Plant Payroll (\$)		1.	Load Factor (%)	
2.	No. Employees Part Time		6.	Other Accounts Plant Payroll (\$)		2.	Plant Factor (%)	
3.	Total Employee Hours Worked		7.	Total Plant Payroll (\$)		3.	Running Plant Capacity Factor (%)	
4.	Operating Plant Payroll (\$)					4.	15 Min. Gross Max. Demand (kW)	
						5.	Indicated Gross Max. Demand (kW)	

SECTION D. COST OF NET ENERGY GENERATED

NO.	PRODUCTION EXPENSE	ACCOUNT NUMBER	AMOUNT (\$) (a)	MILLS/NET (kWh) (b)	\$/10 ⁶ BTU (c)
1.	Operation, Supervision and Engineering	546			
2.	Fuel, Oil	547.1			
3.	Fuel, Gas	547.2			
4.	Fuel, Other	547.3			
5.	Energy for Compressed Air	547.4			
6.	Fuel SubTotal (2 thru 5)	547			
7.	Generation Expenses	548			
8.	Miscellaneous Other Power Generation Expenses	549			
9.	Rents	550			
10.	Non-Fuel SubTotal (1 + 7 thru 9)				
11.	Operation Expense (6 + 10)				
12.	Maintenance, Supervision and Engineering	551			
13.	Maintenance of Structures	552			
14.	Maintenance of Generating and Electric Plant	553			
15.	Maintenance of Miscellaneous Other Power Generating Plant	554			
16.	Maintenance Expense (12 thru 15)				
17.	Total Production Expense (11 + 16)				
18.	Depreciation	403.4, 411.10			
19.	Interest	427			
20.	Total Fixed Cost (18 + 19)				
21.	Power Cost (17 + 20)				

Remarks (including Unscheduled Outages)

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UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL UTILITIES SERVICE

BORROWER DESIGNATION
MI0037

FINANCIAL AND OPERATING REPORT
ELECTRIC DISTRIBUTION

PERIOD ENDED December, 2015 (Prepared with Audited Data)

BORROWER NAME
Thumb Electric Cooperative of Michigan

INSTRUCTIONS - See help in the online application.

This information is analyzed and used to determine the submitter's financial situation and feasibility for loans and guarantees. You are required by contract and applicable regulations to provide the information. The information provided is subject to the Freedom of Information Act (5 U.S.C. 552)

CERTIFICATION

We recognize that statements contained herein concern a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious or fraudulent statement may render the maker subject to prosecution under Title 18, United States Code Section 1001.

We hereby certify that the entries in this report are in accordance with the accounts and other records of the system and reflect the status of the system to the best of our knowledge and belief.

ALL INSURANCE REQUIRED BY PART 1788 OF 7 CFR CHAPTER XVII, RUS, WAS IN FORCE DURING THE REPORT PERIOD AND RENEWALS HAVE BEEN OBTAINED FOR ALL POLICIES DURING THE PERIOD COVERED BY THIS REPORT PURSUANT TO PART 1718 OF 7 CFR CHAPTER XVII

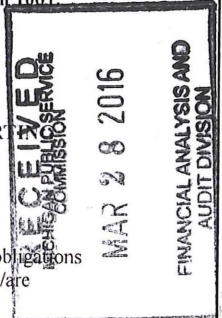
(check one of the following)

All of the obligations under the RUS loan documents have been fulfilled in all material respects.

There has been a default in the fulfillment of the obligations under the RUS loan documents. Said default(s) is/are specifically described in Part D of this report.

Dallas Bram

3-18-16
DATE



PART A. STATEMENT OF OPERATIONS

ITEM	YEAR-TO-DATE			THIS MONTH
	LAST YEAR (a)	THIS YEAR (b)	BUDGET (c)	
1. Operating Revenue and Patronage Capital	19,277,358	19,550,303	19,833,666	1,663,349
2. Power Production Expense	53,492	51,427	65,776	4,496
3. Cost of Purchased Power	9,644,267	9,548,694	9,767,356	810,247
4. Transmission Expense	58,712	108,509	167,820	13,913
5. Regional Market Expense				
6. Distribution Expense - Operation	537,609	612,634	536,243	67,916
7. Distribution Expense - Maintenance	1,564,865	2,567,453	2,117,000	234,597
8. Customer Accounts Expense	696,066	609,142	722,280	(5,724)
9. Customer Service and Informational Expense	372,111	414,583	511,758	61,662
10. Sales Expense				
11. Administrative and General Expense	927,516	962,910	999,783	96,754
12. Total Operation & Maintenance Expense (2 thru 11)	13,854,638	14,875,352	14,888,016	1,283,861
13. Depreciation and Amortization Expense	1,947,550	2,085,880	2,005,860	173,680
14. Tax Expense - Property & Gross Receipts	731,847	754,690	808,680	13,521
15. Tax Expense - Other		4,995		
16. Interest on Long-Term Debt	1,493,714	1,456,776	1,439,761	140,783
17. Interest Charged to Construction - Credit				
18. Interest Expense - Other	1,084	51,260	33,350	2,502
19. Other Deductions				
20. Total Cost of Electric Service (12 thru 19)	18,028,833	19,228,953	19,175,667	1,614,347
21. Patronage Capital & Operating Margins (1 minus 20)	1,248,525	321,350	657,999	49,002
22. Non Operating Margins - Interest	72,582	44,577	41,160	3,672
23. Allowance for Funds Used During Construction				
24. Income (Loss) from Equity Investments	88,564	85,541	81,494	6,891
25. Non Operating Margins - Other	46,744	41,767	11,400	(2,154)
26. Generation and Transmission Capital Credits				
27. Other Capital Credits and Patronage Dividends	126,557	109,919	105,000	8,989
28. Extraordinary Items				
29. Patronage Capital or Margins (21 thru 28)	1,582,972	603,154	897,053	66,400

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE	BORROWER DESIGNATION MI0037
FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION	PERIOD ENDED December, 2015
INSTRUCTIONS - See help in the online application.	

PART B. DATA ON TRANSMISSION AND DISTRIBUTION PLANT

ITEM	YEAR-TO-DATE		ITEM	YEAR-TO-DATE	
	LAST YEAR (a)	THIS YEAR (b)		LAST YEAR (a)	THIS YEAR (b)
1. New Services Connected	45	54	5. Miles Transmission	146.81	147.81
2. Services Retired	58	56	6. Miles Distribution - Overhead	1,983.99	1,981.34
3. Total Services in Place	12,701	12,723	7. Miles Distribution - Underground	17.89	18.73
4. Idle Services (Exclude Seasonals)	490	525	8. Total Miles Energized (5 + 6 + 7)	2,148.69	2,147.88

PART C. BALANCE SHEET

ASSETS AND OTHER DEBITS		LIABILITIES AND OTHER CREDITS	
1. Total Utility Plant in Service	86,922,715	30. Memberships	172,395
2. Construction Work in Progress	902,290	31. Patronage Capital	21,247,378
3. Total Utility Plant (1 + 2)	87,825,005	32. Operating Margins - Prior Years	0
4. Accum. Provision for Depreciation and Amort.	26,786,428	33. Operating Margins - Current Year	321,350
5. Net Utility Plant (3 - 4)	61,038,577	34. Non-Operating Margins	281,804
6. Non-Utility Property (Net)	111,628	35. Other Margins and Equities	1,545,922
7. Investments in Subsidiary Companies	1,472,004	36. Total Margins & Equities (30 thru 35)	23,568,849
8. Invest. in Assoc. Org. - Patronage Capital	796,497	37. Long-Term Debt - RUS (Net)	11,985,740
9. Invest. in Assoc. Org. - Other - General Funds	0	38. Long-Term Debt - FFB - RUS Guaranteed	21,469,125
10. Invest. in Assoc. Org. - Other - Nongeneral Funds	772,568	39. Long-Term Debt - Other - RUS Guaranteed	0
11. Investments in Economic Development Projects	0	40. Long-Term Debt Other (Net)	5,105,732
12. Other Investments	118,567	41. Long-Term Debt - RUS - Econ. Devel. (Net)	0
13. Special Funds	344,280	42. Payments - Unapplied	0
14. Total Other Property & Investments (6 thru 13)	3,615,544	43. Total Long-Term Debt (37 thru 41 - 42)	38,560,597
15. Cash - General Funds	442,880	44. Obligations Under Capital Leases - Noncurrent	0
16. Cash - Construction Funds - Trustee	0	45. Accumulated Operating Provisions and Asset Retirement Obligations	0
17. Special Deposits	0	46. Total Other Noncurrent Liabilities (44 + 45)	0
18. Temporary Investments	0	47. Notes Payable	2,151,680
19. Notes Receivable (Net)	0	48. Accounts Payable	2,138,212
20. Accounts Receivable - Sales of Energy (Net)	2,369,007	49. Consumers Deposits	185,008
21. Accounts Receivable - Other (Net)	328,896	50. Current Maturities Long-Term Debt	1,850,615
22. Renewable Energy Credits	1,279	51. Current Maturities Long-Term Debt - Economic Development	0
23. Materials and Supplies - Electric & Other	972,813	52. Current Maturities Capital Leases	0
24. Prepayments	947,755	53. Other Current and Accrued Liabilities	1,161,783
25. Other Current and Accrued Assets	8,333	54. Total Current & Accrued Liabilities (47 thru 53)	7,487,298
26. Total Current and Accrued Assets (15 thru 25)	5,070,963	55. Regulatory Liabilities	0
27. Regulatory Assets	0	56. Other Deferred Credits	133,414
28. Other Deferred Debits	25,074	57. Total Liabilities and Other Credits (36 + 43 + 46 + 54 thru 56)	69,750,158
29. Total Assets and Other Debits (5+14+26 thru 28)	69,750,158		

<p style="text-align: center;">UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION</p>	<p>BORROWER DESIGNATION MI0037</p>
<p>INSTRUCTIONS - See help in the online application.</p>	<p>PERIOD ENDED December, 2015</p>
<p>PART D. NOTES TO FINANCIAL STATEMENTS</p>	

<p style="text-align: center;">UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE</p> <p style="text-align: center;">FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION</p>	<p>BORROWER DESIGNATION</p> <p style="text-align: right;">MI0037</p>
<p>INSTRUCTIONS - See help in the online application.</p>	<p>PERIOD ENDED</p> <p style="text-align: right;">December, 2015</p>
<p>PART D. CERTIFICATION LOAN DEFAULT NOTES</p>	

**FINANCIAL AND OPERATING REPORT
ELECTRIC DISTRIBUTION**

BORROWER DESIGNATION MI0037

PERIOD ENDED
December, 2015

INSTRUCTIONS - See help in the online application.

PART E. CHANGES IN UTILITY PLANT

PLANT ITEM	BALANCE BEGINNING OF YEAR (a)	ADDITIONS (b)	RETIREMENTS (c)	ADJUSTMENTS AND TRANSFERS (d)	BALANCE END OF YEAR (e)
1. Distribution Plant	58,522,033	5,480,555	872,636		63,129,952
2. General Plant	4,728,987	315,969	232,730		4,812,226
3. Headquarters Plant	1,274,875	0	0		1,274,875
4. Intangibles	834	0	0		834
5. Transmission Plant	9,225,392	603,725	20,550		9,808,567
6. Regional Transmission and Market Operation Plant					
7. All Other Utility Plant	7,896,261	0	0		7,896,261
8. Total Utility Plant in Service (1 thru 7)	81,648,382	6,400,249	1,125,916		86,922,715
9. Construction Work in Progress	1,711,331	(809,041)			902,290
10. Total Utility Plant (8 + 9)	83,359,713	5,591,208	1,125,916		87,825,005

PART F. MATERIALS AND SUPPLIES

ITEM	BALANCE BEGINNING OF YEAR (a)	PURCHASED (b)	SALVAGED (c)	USED (NET) (d)	SOLD (e)	ADJUSTMENT (f)	BALANCE END OF YEAR (g)
1. Electric	977,052	799,269	8,830	852,623	759	(278)	931,491
2. Other	69,621	40,921			67,734	(1,485)	41,323

PART G. SERVICE INTERRUPTIONS

ITEM	AVERAGE MINUTES PER CONSUMER BY CAUSE				TOTAL (e)
	POWER SUPPLIER (a)	MAJOR EVENT (b)	PLANNED (c)	ALL OTHER (d)	
1. Present Year	0.000	378.498	1.772	167.003	547.273
2. Five-Year Average	0.000	394.027	1.346	157.633	553.006

PART H. EMPLOYEE-HOUR AND PAYROLL STATISTICS

1. Number of Full Time Employees	30	4. Payroll - Expensed	1,181,672
2. Employee - Hours Worked - Regular Time	61,262	5. Payroll - Capitalized	923,244
3. Employee - Hours Worked - Overtime	6,544	6. Payroll - Other	560,048

PART I. PATRONAGE CAPITAL

ITEM	DESCRIPTION	THIS YEAR (a)	CUMULATIVE (b)
1. Capital Credits - Distributions	a. General Retirements	689,413	4,024,553
	b. Special Retirements	287,591	3,846,367
	c. Total Retirements (a + b)	977,004	7,870,920
2. Capital Credits - Received	a. Cash Received From Retirement of Patronage Capital by Suppliers of Electric Power	0	
	b. Cash Received From Retirement of Patronage Capital by Lenders for Credit Extended to the Electric System	30,425	
	c. Total Cash Received (a + b)	30,425	

PART J. DUE FROM CONSUMERS FOR ELECTRIC SERVICE

1. Amount Due Over 60 Days	\$ 303,964	2. Amount Written Off During Year	\$ 71,338
----------------------------	------------	-----------------------------------	-----------

ENERGY EFFICIENCY AND CONSERVATION LOAN PROGRAM

1. Anticipated Loan Delinquency %	0	4. Anticipated Loan Default %	0
2. Actual Loan Delinquency %	0	5. Actual Loan Default %	0
3. Total Loan Delinquency Dollars YTD	\$ 0	6. Total Loan Default Dollars YTD	\$ 0

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION	BORROWER DESIGNATION MI0037
INSTRUCTIONS - See help in the online application	PERIOD ENDED December, 2015

PART K. kWh PURCHASED AND TOTAL COST

No	ITEM (a)	SUPPLIER CODE (b)	RENEWABLE ENERGY PROGRAM NAME (c)	RENEWABLE FUEL TYPE (d)	kWh PURCHASED (e)	TOTAL COST (f)	AVERAGE COST (Cents/kWh) (g)	INCLUDED IN TOTAL COST - FUEL COST ADJUSTMENT (h)	INCLUDED IN TOTAL COST - WHEELING AND OTHER CHARGES (i)
1	CMS Marketing, Serv & Trade Co	3991			182,366,624	9,548,694	5.24		1,141,551
	Total				182,366,624	9,548,694	5.24		1,141,551

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION		BORROWER DESIGNATION MI0037
INSTRUCTIONS - See help in the online application		PERIOD ENDED December, 2015
PART K. kWh PURCHASED AND TOTAL COST		
No	Comments	
1		

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION		BORROWER DESIGNATION MI0037	
INSTRUCTIONS - See help in the online application.		PERIOD ENDED December, 2015	
PART L. LONG-TERM LEASES			
No	NAME OF LESSOR (a)	TYPE OF PROPERTY (b)	RENTAL THIS YEAR (c)
TOTAL			

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION		BORROWER DESIGNATION MI0037	
INSTRUCTIONS - See help in the online application.		PERIOD ENDED December, 2015	
PART M. ANNUAL MEETING AND BOARD DATA			
1. Date of Last Annual Meeting 6/13/2015	2. Total Number of Members 12,185	3. Number of Members Present at Meeting 279	4. Was Quorum Present? Y
5. Number of Members Voting by Proxy or Mail 39	6. Total Number of Board Members 9	7. Total Amount of Fees and Expenses for Board Members \$ 25,553	8. Does Manager Have Written Contract? Y

RUS Financial and Operating Report Electric Distribution

Revision Date 2014

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION			BORROWER DESIGNATION MI0037		
INSTRUCTIONS - See help in the online application.			PERIOD ENDED December, 2015		
PART N. LONG-TERM DEBT AND DEBT SERVICE REQUIREMENTS					
No	ITEM	BALANCE END OF YEAR (a)	INTEREST (Billed This Year) (b)	PRINCIPAL (Billed This Year) (c)	TOTAL (Billed This Year) (d)
1	Rural Utilities Service (Excludes RUS - Economic Development Loans)	11,985,740	572,122	376,358	948,480
2	National Rural Utilities Cooperative Finance Corporation	3,174,387	132,250	707,525	839,775
3	CoBank, ACB	1,931,344	121,192	438,835	560,027
4	Federal Financing Bank	21,469,125	631,212	486,284	1,117,496
5	RUS - Economic Development Loans				
6	Payments Unapplied				
7	Principal Payments Received from Ultimate Recipients of IRP Loans				
8	Principal Payments Received from Ultimate Recipients of REDL Loans				
9	Principal Payments Received from Ultimate Recipients of EE Loans				
	TOTAL	38,560,596	1,456,776	2,009,002	3,465,778

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE		BORROWER DESIGNATION MI0037		
FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION		PERIOD ENDED December, 2015		
INSTRUCTIONS - See help in the online application.				
PART O. POWER REQUIREMENTS DATABASE - ANNUAL SUMMARY				
CLASSIFICATION	CONSUMER SALES & REVENUE DATA	DECEMBER (a)	AVERAGE NO. CONSUMERS SERVED (b)	TOTAL YEAR TO DATE (c)
1. Residential Sales (excluding seasonal)	a. No. Consumers Served	9,143	9,136	
	b. kWh Sold			125,644,500
	c. Revenue			14,232,460
2. Residential Sales - Seasonal	a. No. Consumers Served	2,062	2,066	
	b. kWh Sold			4,620,804
	c. Revenue			1,113,642
3. Irrigation Sales	a. No. Consumers Served	46	46	
	b. kWh Sold			401,083
	c. Revenue			50,144
4. Comm. and Ind. 1000 KVA or Less	a. No. Consumers Served	953	938	
	b. kWh Sold			37,034,899
	c. Revenue			3,398,801
5. Comm. and Ind. Over 1000 KVA	a. No. Consumers Served			
	b. kWh Sold			
	c. Revenue			
6. Public Street & Highway Lighting	a. No. Consumers Served			
	b. kWh Sold			
	c. Revenue			
7. Other Sales to Public Authorities	a. No. Consumers Served			
	b. kWh Sold			
	c. Revenue			
8. Sales for Resale - RUS Borrowers	a. No. Consumers Served			
	b. kWh Sold			
	c. Revenue			
9. Sales for Resale - Other	a. No. Consumers Served			
	b. kWh Sold			
	c. Revenue			
10. Total No. of Consumers (lines 1a thru 9a)		12,204	12,186	
11. Total kWh Sold (lines 1b thru 9b)				167,701,286
12. Total Revenue Received From Sales of Electric Energy (lines 1c thru 9c)				18,795,047
13. Transmission Revenue				
14. Other Electric Revenue				755,256
15. kWh - Own Use				390,439
16. Total kWh Purchased				182,366,624
17. Total kWh Generated				19,810
18. Cost of Purchases and Generation				9,708,630
19. Interchange - kWh - Net				
20. Peak - Sum All kW Input (Metered) Non-coincident <input checked="" type="checkbox"/> Coincident <input type="checkbox"/>				35,141

UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL UTILITIES SERVICE

**FINANCIAL AND OPERATING REPORT
ELECTRIC DISTRIBUTION**

BORROWER DESIGNATION MI0037

PERIOD ENDED December, 2015

INSTRUCTIONS - See help in the online application.

PART P. ENERGY EFFICIENCY PROGRAMS

CLASSIFICATION	ADDED THIS YEAR			TOTAL TO DATE		
	No. of Consumers (a)	Amount Invested (b)	Estimated MMBTU Savings (c)	No. of Consumers (d)	Amount Invested (e)	Estimated MMBTU Savings (f)
1. Residential Sales (excluding seasonal)	743	225,954	310	5,259	1,069,134	4,090
2. Residential Sales - Seasonal						
3. Irrigation Sales						
4. Comm. and Ind. 1000 KVA or Less	33	73,811	264	175	279,214	1,028
5. Comm. and Ind. Over 1000 KVA						
6. Public Street and Highway Lighting						
7. Other Sales to Public Authorities						
8. Sales for Resale – RUS Borrowers						
9. Sales for Resale – Other						
10. Total	776	299,765	574	5,434	1,348,348	5,118

RUS Financial and Operating Report Electric Distribution

Revision Date 2014

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION INVESTMENTS, LOAN GUARANTEES AND LOANS	BORROWER DESIGNATION MI0037 PERIOD ENDED December, 2015
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INSTRUCTIONS - Reporting of investments is required by 7 CFR 1717, Subpart N. Investment categories reported on this Part correspond to Balance Sheet items in Part C. Identify all investments in Rural Development with an 'X' in column (e). Both 'Included' and 'Excluded' Investments must be reported. See help in the online application.

PART Q. SECTION I. INVESTMENTS (See Instructions for definitions of Income or Loss)

No	DESCRIPTION (a)	INCLUDED (\$) (b)	EXCLUDED (\$) (c)	INCOME OR LOSS (\$) (d)	RURAL DEVELOPMENT (e)
1	Non-Utility Property (NET)				
	Vacant Lot	12,000			
	Rental Home	99,628			
	Totals	111,628			
2	Investments in Associated Organizations				
	CFC, CoBank Patronage, CTCs		968,939		
	NISC, NRTC, RSC, MECA, Federated	450,126			
	Mbr Cap Sec	150,000			
	TEsC	1,472,004			
	Totals	2,072,130	968,939		
4	Other Investments				
	ERC Loans	118,567			
	Totals	118,567			
5	Special Funds				
	Billed Power Supply Over Recovery	139,264			
	Member Contributions	55,016			
	Commercial Paper	150,000			
	Totals	344,280			
6	Cash - General				
	General Fund	442,880			
	Totals	442,880			
9	Accounts and Notes Receivable - NET				
	W/H Billing	215,960			
	A/R Other	635,267			
	Bad Debt Reserve	(522,331)			
	Totals	328,896			
11	TOTAL INVESTMENTS (1 thru 10)	3,418,381	968,939		

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION INVESTMENTS, LOAN GUARANTEES AND LOANS	BORROWER DESIGNATION MI0037
	PERIOD ENDED December, 2015

INSTRUCTIONS - Reporting of investments is required by 7 CFR 1717, Subpart N. Investment categories reported on this Part correspond to Balance Sheet items in Part C. Identify all investments in Rural Development with an 'X' in column (e). Both 'Included' and 'Excluded' Investments must be reported. See help in the online application.

PART Q. SECTION II. LOAN GUARANTEES

No	ORGANIZATION (a)	MATURITY DATE (b)	ORIGINAL AMOUNT (\$) (c)	LOAN BALANCE (\$) (d)	RURAL DEVELOPMENT (e)
	TOTAL				
	TOTAL (Included Loan Guarantees Only)				

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION INVESTMENTS, LOAN GUARANTEES AND LOANS	BORROWER DESIGNATION MI0037
	PERIOD ENDED December, 2015

INSTRUCTIONS - Reporting of investments is required by 7 CFR 1717, Subpart N. Investment categories reported on this Part correspond to Balance Sheet items in Part C. Identify all investments in Rural Development with an 'X' in column (e). Both 'Included' and 'Excluded' Investments must be reported. See help in the online application.

SECTION III. RATIO

RATIO OF INVESTMENTS AND LOAN GUARANTEES TO UTILITY PLANT [Total of Included Investments (Section I, 11b) and Loan Guarantees - Loan Balance (Section II, 5d) to Total Utility Plant (Line 3, Part C) of this report]	3.89 %
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SECTION IV. LOANS

No	ORGANIZATION (a)	MATURITY DATE (b)	ORIGINAL AMOUNT (\$) (c)	LOAN BALANCE (\$) (d)	RURAL DEVELOPMENT (e)
	TOTAL				

MICHIGAN PUBLIC SERVICE COMMISSION

ADDITIONAL SCHEDULES FOR AN ELECTRIC UTILITY COOPERATIVE

This form is authorized by Case No. U-12134, the Code of Conduct. Filing of this form is mandatory pursuant to PA 3 of 1939. Failure to provide this information will put you in violation of this act and the commission shall order such remedies and penalties as necessary.

Report submitted for year ending:	
December 31, 2015	
Present name of respondent:	
Thumb Electric Cooperative	
Address of principal place of business:	
2231 Main Street, Ubly, MI 48475	
Utility representative to whom inquires regarding this report may be directed:	
Name:	Dallas Braun Title: General Manager
Address:	2231 Main Street
City:	Ubly State: MI Zip: 48475
Direct Telephone, Include Area Code:	989-658-8571
If the utility name has been changed during the past year:	
Prior Name:	
Date of Change:	
Two copies of the published annual report to stockholders:	
[03-24-16]	were forwarded to the Commission
[06-11-16]	will be forwarded to the Commission
	<u>on or about</u>
Annual reports to stockholders:	
[]	are published
[]	are not published

FOR ASSISTANCE IN COMPLETION OF THIS FORM:

Contact the Michigan Public Service Commission (Heather Cantin) at (517) 284-8266 or cantinh@michigan.gov OR forward correspondence to:

Michigan Public Service Commission
 Financial Analysis & Audit Division
 Attn: Heather Cantin
 7109 W. Saginaw Hwy
 PO Box 30221
 Lansing, MI 48909



Name of Respondent <i>Thumbs Electric</i>	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) <i>04-13-16</i>	Year of Report <i>12-31-15</i>
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STATEMENT OF CASH FLOWS

1. If the notes to the cash flow statement in the respondent's annual stockholders report are applicable to this statement, such notes should be included on pages 122-123. Information about noncash investing and financing activities should be provided on pages 122-123. "Cash and Cash Equivalents at End of Year" with related amounts on the balance sheet.

2. Under "Other" specify significant amounts and group others.

3. Operating Activities-Other: Include gains and losses pertaining to operating activities only. Gains and losses pertaining to investing and financing activities should be reported in those activities. Show on pages 122-123 the amounts of interest paid (net of amounts capitalized) and income taxes paid.

Line No.	Description (See instructions for Explanation of Codes) (a)	Amounts (b)
1	Net Cash Flow from Operating Activities: (enter outflows from company as negative #s)	
2	Net Income (Line 72 (c) on page 117)	
3	Noncash Charges (Credits) to Income:	
4	Depreciation and Depletion	
5	Amortization of (Specify)	
6	Intangible Plant	
7	<i>See Attached</i>	
8	Deferred Income Taxes (Net)	
9	Investment Tax Credit Adjustment (Net)	
10	Net (Increase) Decrease in Receivables	
11	Net (Increase) Decrease in Inventory	
12	Net (Increase) Decrease in Allowances Inventory	
13	Net (Increase) Decrease in Payables and Accrued Expenses	
14	Net (Increase) Decrease in Other Regulatory Assets	
15	Net (Increase) Decrease in Other Regulatory Liabilities	
16	(Less) Allowance for Other Funds Used During Construction	
17	(Less) Undistributed Earnings from Subsidiary Companies	
18	Other:	
19		
20		
21		
22	Net Cash Provided by (Used in) Operating Activities (Total of lines 2 thru 21)	
23		
24	Cash Flows from Investment Activities:	
25	Construction and Acquisition of Plant (including land):	
26	Gross Additions to Utility Plant (less nuclear fuel)	
27	Gross Additions to Nuclear Fuel	
28	Gross Additions to Common Utility Plant	
29	Gross Additions to Nonutility Plant	
30	(Less) Allowance to Other Funds Used During Construction	
31	Other:	
32		
33		
34	Cash Outflows for Plant (Total of lines 26 thru 33)	
35		
36	Acquisition of Other Noncurrent Assets (d)	
37	Proceeds from Disposal of Noncurrent Assets (d)	
38		
39	Investments in and Advances to Assoc. and Subsidiary Companies	
40	Contributions and Advances from Assoc. and Subsidiary Companies	
41	Disposition of Investments in (and Advances to)	
42	Associated and Subsidiary Companies	
43		
44	Purchase of Investment Securities (a)	
45	Proceeds from Sales of Investment Securities (a)	

Name of Respondent Thumb Electric		This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
STATEMENT OF CASH FLOWS (Continued)				
4. Investing Activities (a) Include at Other (line 31) net cash outflow to acquire other companies. Provide a reconciliation of asset acquired with liabilities assumed on pages 122-123. (b) Don not include on this statement the dollar amount of leases capitalized per USofA General Instruction 20; instead provide a reconciliation of the dollar amount of leases capitalized with the plant cost on pages 122-123.		5. Codes used: (a) Net proceeds or payments. (b) Bonds, debentures and other long-term debt. (c) Include commercial paper. (d) Identify separately such items as investments, fixed assets, intangibles, etc. 6. Enter on pages 122-123 clarifications and explanations.		
Line No.	Description (See instructions for Explanation of Codes) (a)	Amount (b)		
46	Loans Made or Purchased			
47	Collections on Loans			
48				
49	Net (Increase) Decrease in Receivables			
50	Net (Increase) Decrease in Inventory			
51	Net (Increase) Decrease in Allowances Held for Speculation			
52	Net Increase (Decrease) in Payables and Accrued Expenses			
53	Other:			
54				
55				
56	Net Cash Provided by (Used in) Investing Activities			
57	(Total of lines 34 thru 55)			
58				
59	Cash Flows from Financing Activities:			
60	Proceeds from Issuance of:			
61	Long Term Debt (b)			
62	Preferred Stock			
63	Common Stock			
64	Other:			
65				
66	Net Increase in Short-Term Debt (c)			
67	Other:			
68				
69				
70	Cash Provided by Outside Sources (Total of lines 61 thru 69)			
71				
72	Payments for Retirement of:			
73	Long Term Debt (b)			
74	Preferred Stock			
75	Common Stock			
76	Other:			
77				
78	Net Decrease in Short-Term Debt (c)			
79				
80	Dividends on Preferred Stock			
81	Dividends on Common Stock			
82	Net Cash Provided by (Used In) Financing Activities			
83	(Total of lines 70 thru 81)			
84				
85	Net Increase (Decrease) in Cash and Cash Equivalents			
86	(Total of lines 22, 57 and 83)			
87				
88	Cash and Cash Equivalents at Beginning of Year			
89				
90	Cash and Cash Equivalents at End of Year			

Thumb Electric Cooperative of Michigan
Statements of Cash Flows
Years Ended December 31, 2015 and 2014

	2015	2014
Operating Activities		
Cash received from customers	\$ 20,078,036	\$ 19,478,016
Cash paid to suppliers and employees	(15,321,271)	(13,877,190)
Interest received	44,609	74,147
Interest paid	(1,508,036)	(1,494,797)
Taxes paid	(742,043)	(720,992)
Net Cash from Operating Activities	2,551,295	3,459,184
Investing Activities		
Construction and acquisition of plant, net	(5,697,379)	(4,167,482)
Receipt of contribution in aid of construction	177,239	276,884
Cost of removal/salvage, net	(581,928)	(119,400)
(Increase) decrease in:		
Materials inventory	73,860	(85,235)
Investments in associated organizations	83,043	88,673
Other investments	(64,707)	(141,856)
Net Cash used for Investing Activities	(6,009,872)	(4,148,416)
Financing Activities		
Proceeds from debt	4,000,000	-
Payments on debt	(1,992,700)	(1,987,781)
Draws on cushion of credit	-	743,915
Advances on line of credit	9,956,834	326,366
Payments on line of credit	(8,131,520)	-
Patronage capital credits paid	(751,039)	(420,221)
Proceeds from memberships issued	2,715	2,670
Increase in consumer deposits	6,656	12,068
Net Cash from (used for) Financing Activities	3,090,946	(1,322,983)
Net Change in Cash and Cash Equivalents	(367,631)	(2,012,215)
Cash and Cash Equivalents at Beginning of Year	1,004,791	3,017,006
Cash and Cash Equivalents at End of Year	\$ 637,160	\$ 1,004,791

Thumb Electric Cooperative of Michigan
 Statements of Cash Flows
 Years Ended December 31, 2015 and 2014

	2015	2014
Reconciliation of Net Margins to Net Cash Provided by Operating Activities:		
Net margins	\$ 603,150	\$ 1,582,974
Adjustments to reconcile net margins to net cash provided by operating activities:		
Depreciation and amortization	2,278,447	2,138,148
Capital credits	(109,919)	(126,557)
Amortization of security retirement prepayment	190,043	190,043
Gain on disposal of electric plant	(6,101)	(1,905)
Income from subsidiary	(85,541)	(88,565)
(Increase) decrease in:		
Customer and other accounts receivable	468,795	149,252
Current and accrued assets - other	(6,728)	19,327
Deferred charges	3,297	3,265
Increase (decrease) in:		
Accounts payable	(884,266)	(235,125)
Accrued property taxes	17,642	10,855
Accrued payroll and vacation	80,177	(187,657)
Accrued other	2,299	5,129
Total adjustments	1,948,145	1,876,210
Net Cash Provided by Operating Activities	\$ 2,551,295	\$ 3,459,184

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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NONUTILITY PROPERTY (Account 121)

- | | |
|---|---|
| <p>1. Give a brief description and state the location of nonutility property included in Account 121.</p> <p>2. Designate with a double asterisk any property which is leased to another company. State name of lessee and whether lessee is an associated company.</p> <p>3. Furnish particulars (details) concerning sales, purchases, or transfers of Nonutility Property during the year.</p> | <p>4. List separately all property previously devoted to public service and give date of transfer to Account 121, Nonutility Property.</p> <p>5. Minor items (5% of the Balance at the End of the Year for Account 121 or \$100,000, whichever is less) may be grouped by (1) previously devoted to public service, or (2) other nonutility property.</p> |
|---|---|

Line No.	Description and Location (a)	Balance at Beginning of Year (b)	Purchases, Sales Transfers, etc. (c)	Balance at End of Year (d)
1	VACANT LOT 2416 EAST DAYTON RD. CARO, MI 48723	12,000.-		12,000.-
2				
3				
4				
5				
6				
7				
8				
9	RENTAL HOME 2434 EAST DAYTON RD CARO, MI 48723	156,636		156,636
10				
11				
12				
13				
14				
15				
16				
17	TOTAL	168,636		168,636

ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF NONUTILITY PROPERTY (Account 122)

Report below the information called for concerning depreciation and amortization of nonutility property.

Line No.	Item (a)	Amount (b)
1	Balance, Beginning of Year	52,607
2	Accruals for Year, Charged to	
3	(417) Income from Nonutility Operations	
4	(418) Nonoperating Rental Income	
5	Other Accounts (Specify):	
6		
7	TOTAL Accruals for Year (Enter Total of lines 3 thru 6)	
8	Net Charges for Plant Retired:	
9	Book Cost of Plant Retired	
10	Cost of Removal	
11	Salvage (Credit)	4,401
12	TOTAL Net Charges (Enter Total of lines 9 thru 11)	
13	Other Debit or Credit Items (Describe):	
14		
15	Balance, End of Year (Enter Total of lines 1, 7, 12, and 14)	57,008

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 07-13-16	Year of Report 12-31-15
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INVESTMENTS (Accounts 123, 124, 136)

1. Report below the investments in Accounts 123, *Investments in Associated Companies*, 124, *Other Investment*, and 136, *Temporary Cash Investments*.
 2. Provide a subheading for each account and list thereunder the information called for:
 (a) Investment in securities - List and describe each security owned, giving name of user, date acquired and date of maturity. For bonds, also give principal amount, date of issue, maturity, and interest rate. For capital stock (including capital stock of respondent reacquired under a definite plan for resale pursuant to authorization by the Board of Directors, and included in Account 124, *Other Investments*), state number of shares, class, and series of stock. Minor investments may be grouped by classes. Investments included in Account 136, *Temporary Cash Investments*, also may be grouped by classes.
 (b) Investment Advances-Report separately for each person or company the amounts of loans or investment advances which are properly includable in Account 123. Advances subject to current repayment should be included in Accounts 145 and 146. With respect to each advance, show whether the advance is a note or an open account. Each note should be

Line No.	Description of Investment (a)	Book Cost at Beginning of Year <i>(If book cost is different from cost to respondent, give cost to respondent in a footnote and explain difference)</i> (b)		Purchases or Additions During Year (c)
		Original Cost	Book Value	
1	See ATTACHED			
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
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30				

Thumb Electric Cooperative
Attachment to page 221 (M)

Dec 2015

Gen. Ledger a/c 421.00, Non-Operating Revenue

Rental Home	\$7,260
Air Advantage rent space on radio tower.	\$100
DTE Solar Down payment	\$33,000
Credit Card Program rebate	\$431
Total	\$40,791

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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INVESTMENTS (Accounts 123, 124, 136) (Cont'd)

listed giving date of issuance, maturity date, and specifying whether note is a renewal. Designate any advances due from officers, directors, stockholders, or employees. Exclude amounts reported on page 229.

3. For any securities, notes or accounts that were pledged designate with an asterisk such securities, notes, or accounts and in a footnote state the name of pledgee and purpose of the pledge.

4. If Commission approval was required for any advance made or security acquired, designate such fact in a footnote and give name of Commission, date of authorization, and case or docket number.

5. Report in column (g) interest and dividend revenues from investments including such revenues from securities disposed of during the year.

6. In column (h) report for each investment disposed of during the year the gain or loss represented by the difference between cost of the investment (or the other amount at which carried in the books of account if different from cost) and the selling price thereof, not including any dividend or interest adjustment includible in column (g).

Sales or Other Dispositions During Year (d)	Principal Amount or No. of Shares at End of Year (e)	Book Cost at End of Year (If book cost is different from cost to respondent, give cost to respondent in a footnote and explain difference) (f)		Revenues for Year (g)	Gain of Loss from Improvement Disposed of (h)	Line No.
		Original Cost	Book Value			
	N/A					1
						2
						3
						4
						5
						6
						7
						8
						9
						10
						11
						12
						13
						14
						15
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						29
						30

Dec 2015

Thumb Electric Cooperative
Attachment to page 222

	Beginning Balance	Additions	Dispositions	Year End Balance	Revenue for Year
Gen. Ledger a/c 123, 124 and 136					
CFC	\$889,570	\$14,553	\$16,343	\$887,780	\$14,553
NISC	\$99,848	\$8,989	\$3,318	\$105,519	\$8,989
NRTC	\$588	\$159	\$126	\$621	\$119
RESCO	\$187,224	\$19,227	\$17,906	\$188,545	\$20,238
Federated Insurance	\$140,176	\$34,260	\$21,884	\$152,552	\$34,260
Thumb Energy Services (includes 200 shares @ \$ 1.00 / share)	\$1,401,525	\$181,965 *	\$111,485 **	\$1,472,005	\$85,541
MECA, (building investment)	\$0	\$0	\$0	\$0	
CoBank	\$73,442	\$30,866	\$23,149	\$81,159	\$30,866
ERC Loans	\$150,285 ***	\$10,078	\$41,796	\$118,567	
Coop Elevator	\$2,351	\$896	\$358	\$2,889	\$896
Commercial Paper	\$150,000	\$0		\$150,000	
CFC Member Capital Securities	\$150,000	\$0		\$150,000	\$7,500

* \$ 85,541 Thumb Energy Services profit, plus \$ 96,424 equity investment made on 03-16-16, as allowed by MPSC, Case No. U-14778, approved on 08-22-06.

** Audit adjustment to metered propane inventory

*** Loans made to members for energy efficiency or

\$202,962

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report Dec. 31, 2015
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NOTES AND ACCOUNTS RECEIVABLE SUMMARY FOR BALANCE SHEET

Show separately by footnote the total amount of notes and accounts receivable from directors, officers, and employees included in Notes Receivable (Account 141) and Other Accounts Receivable (Account 143).

Line No.	Accounts (a)	Balance Beginning of Year (b)	Balance End of Year (c)
1	Notes Receivable (Account 141)		
2	Customer Accounts Receivable (Account 142)	3,371,547	2,891,337
3	Other Accounts Receivable (Account 143) (Disclose any capital stock subscriptions received)	284,955	328,896
4	TOTAL		
5	Less: Accumulated Provision for Uncollectible Accounts-Cr. (Account 144)	506,954	522,331
6	TOTAL, Less Accumulated Provision for Uncollectible Accounts	3,149,548	2,697,902
7			
8			
9			
10			
11			
12			
13			
14			

ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNT-CR. (Account 144)

1. Report below the information called for concerning this accumulated provision.
2. Explain any important adjustments of subaccounts.
3. Entries with respect to officers and employees shall not include items for utility services.

Line No.	Item (a)	Utility Customers (b)	Merchandise Jobbing and Contract Work (c)	Officers and Employees (d)	Other (e)	Total (f)
1	Balance beginning of year	506,954				506,954
2	Prov. for uncollectibles for current year	15,000				15,000
3	Accounts written off	(71,338)	()	()	()	(71,338)
4	Coll. of accounts written off					
5	Adjustments (explain): ...PAYMENTS.....	72,037				72,037
6	Balance end of year	522,653				522,653
7						
8						
9						
10						
11						

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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RECEIVABLES FROM ASSOCIATED COMPANIES (Accounts 145, 146)

- | | |
|---|--|
| <p>1. Report particulars of notes and accounts receivable from associated companies* at end of year.</p> <p>2. Provide separate headings and totals for Accounts 145, Notes Receivable from Associated Companies, and 146, Accounts Receivable from Associated Companies, in addition to a total for the combined accounts.</p> <p>3. For notes receivable, list each note separately and state purpose for which received. Show also in column (a) date of note, date of maturity and interest rate.</p> | <p>4. If any note was received in satisfaction of an open account, state the period covered by such open account.</p> <p>5. Include in column (f) interest recorded as income during the year including interest on accounts and notes held any time during the year.</p> <p>6. Give particulars of any notes pledged or discounted, also of any collateral held as guarantee of payment of any note or account.</p> |
|---|--|

* NOTE: "Associated companies" means companies or persons that, directly or indirectly, through one or more intermediaries, control, or are controlled by, or are under common control with, the account company. This includes related parties.

"Control" (including the terms "controlling," "controlled by," and "under common control with") means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of a company, whether such power is exercised through one or more intermediary companies, or alone, or in conjunction with, or pursuant to an agreement, and whether such power is established through a majority or minority ownership or voting of securities, common directors, officers or stockholders, voting trusts, holding trusts, associated companies, contract or any other direct or indirect means.

Line No.	Particulars (a)	Balance Beginning of Year (b)	Totals for Year		Balance End of Year (e)	Interest for Year (f)
			Debits (c)	Credits (d)		
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
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19						
20						
21						
22						
23						
24						
25	TOTAL					

N/A

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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ALLOWANCES

1. Report below the details called for concerning allowances. eligible for use; the current year;s allowances in columns (b)-(c),
 2. Report all acquisitions of allowances at cost. allowances for the three succeeding years in column(d)-(i), starting
 3. Report allowances in accordance with a weighted average cost with the following year, and allowances for the remaining succeeding
 allocation method and other accounting as prescribed by General years in columns (j)-(k).
 Instruction No. 21 in the Uniform System of Accounts. 5. Report on line 4 the Environmental Protection Agency (EPA) issued
 4. Report the allowances transactions by the period they are first allowances. Report withheld portions on lines 36-40.

Line No.	Allowance Inventory (a)	Current Year		20__	
		No. (b)	Amt. (c)	No. (d)	Amt. (e)
1	Balance - Beginning of Year				
2-4	Acquired During Year: Issued (Less Withheld Allow.)				
5	Returned by EPA				
6-8	Purchases/Transfers:				
9					
10					
11	N/A				
12					
13					
14					
15	Total				
16-18	Relinquished During Year: Charges to Acct. 509				
19	Other:				
20					
21-22	Cost of Sales/Transfers:				
23					
24					
25					
26					
27					
28	Total				
29	Balance - End of Year				
30-32	Sales:				
	Net Sales Proceeds (Assoc Co.)				
33	Net Sales Proceeds (Other)				
34	Gains				
35	Losses				
	Allowances Withheld				
36	Balance - Beginning of Year				
37	Add: Withheld by EPA				
38	Deduct: Returned by EPA				
39	Cost of Sales				
40	Balance - End of Year				
41-43	Sales:				
	Net Sales Proceeds (Assoc. Co.)				
44	Net Sales Proceeds (Other)				
45	Gains				
46	Losses				

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 07-13-16	Year of Report 12-31-15
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ALLOWANCES (Continued)

6. Report on line 5 allowances returned by the EPA. Report on line 39 the EPA's sales of the withheld allowances. Report on lines 43-46 the net sales or auction of the withheld allowances.

8. Report on lines 22-27 the names of purchasers/transfersors of allowances disposed of and identify associated companies.

7. Report on lines 8-14 the names of vendors/transfersors of allowances acquired and identify associated companies (See "associated co." under "Definitions" in Uniform System of Accounts).

9. Report the net costs and benefits of hedging transactions on a separate line under purchases/transfers and sales/transfers.

10. Report on lines 32-35 & 43-46 the net sales proceeds and gains or losses from allowance sales.

20__		20__		Future Years		Totals		Line No.
No. (f)	Amt. (g)	No. (h)	Amt. (i)	No. (j)	Amt. (k)	No. (l)	Amt. (m)	
								1
								2-4
								5
			N/A					6-8
								9
								10
								11
								12
								13
								14
								15
								16-18
								19
								20
								21-22
								23
								24
								25
								26
								27
								28
								29
								30-32
								33
								34
								35
								36
								37
								38
								39
								40
								41-43
								44
								45
								46

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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LONG-TERM DEBT (Accounts 221, 222, 223 and 224)

1. Report by balance sheet account the particulars (details) concerning long-term debt included in Accounts 221, Bonds, 222, Reacquired Bonds, 223, Advances from Associated Companies, and 224, Other Long-Term Debt.
2. In column (a), for new issues, give Commission authorization numbers and dates.
3. For bonds assumed by the respondent, include in column (a) the name of the issuing company as well as a description of the bonds.
4. For advances from Associated Companies, report separately advances on notes and advances on open accounts. Designate demand notes as such. Include in column (a) names of associated companies from which advances were received.
5. For receivers' certificates, show in column (a) the name of the court and date of court order under which such certificates were issued.
6. In column (b) show the principal amount of bonds or other long-term debt originally issued.
7. In column (c) show the expense, premium or discount with respect to the amount of bonds or other long-term debt originally issued.
8. For column (c) the total expenses should be listed first for each issuance, then the amount of premium (in parentheses) or discount. Indicate the premium or discount with a notation, such as (P) or (D). The expenses, premium or discount should not be netted.
9. Furnish in a footnote particulars (details) regarding the treatment of unamortized debt expense, premium or discount associated with issues redeemed during the year. Also, give in a footnote the date of the Commission's authorization of treatment other than as specified by the Uniform System of Accounts.

Line No.	Class and Series of Obligation, Coupon Rate <i>(For new issue, give Commission Authorization numbers and dates)</i> (a)	Principal Amount of Debt Issued (b)	Total Expense, Premium or Discount (c)
1	See ATTACHED		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25	TOTAL		

UNITED STATES DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE FINANCIAL AND OPERATING REPORT ELECTRIC DISTRIBUTION	BORROWER DESIGNATION MI0037
INSTRUCTIONS - See help in the online application.	PERIOD ENDED December, 2015

PART N. LONG-TERM DEBT AND DEBT SERVICE REQUIREMENTS

No	ITEM	BALANCE END OF YEAR (a)	INTEREST (Billed This Year) (b)	PRINCIPAL (Billed This Year) (c)	TOTAL (Billed This Year) (d)
1	Rural Utilities Service (Excludes RUS - Economic Development Loans)	11,985,740	572,122	376,358	948,480
2	National Rural Utilities Cooperative Finance Corporation	3,174,387	132,250	707,525	839,775
3	CoBank, ACB	1,931,344	121,192	438,835	560,027
4	Federal Financing Bank	21,469,125	631,212	486,284	1,117,496
5	RUS - Economic Development Loans				
6	Payments Unapplied				
7	Principal Payments Received from Ultimate Recipients of IRP Loans				
8	Principal Payments Received from Ultimate Recipients of REDL Loans				
9	Principal Payments Received from Ultimate Recipients of EE Loans				
	TOTAL	38,560,596	1,456,776	2,009,002	3,465,778

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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LONG-TERM DEBT (Accounts 221, 222, 223 and 224) (Continued)

10. Identify separate undisposed amounts applicable to issues which were redeemed in prior years.
11. Explain any debits and credits other than amortization debited to Account 428, Amortization of Debt-Discount and Expense, or credited to Account 429, *Amortization of Premium on Debt-Credit*.
12. In a footnote, give explanatory particulars (details) for Accounts 223 and 224 of net changes during the year. With respect to long-term advances, show for each company: (a) principal advanced during year, (b) interest added to principal amount, and (c) principal repaid during year. Give Commission authorization numbers and dates.
13. If the respondent has pledged any of its long-term debt securities give particulars (details) in a footnote including name of pledgee and purpose of the pledge.
14. If the respondent has any long-term debt securities which have been nominally issued and are nominally outstanding at end of year, describe such securities in a footnote.
15. If interest expense was incurred during the year on any obligations retired or reacquired before end of year, include such interest expense in column (i). Explain in a footnote any difference between the total of column (i) and the total of Account 427, *Interest on Long-Term Debt*, and Account 430, *Interest on Debt to Associated Companies*.
16. Give particulars (details) concerning any long-term debt authorized by a regulatory commission but not yet issued.

Nominal Date of Issue (d)	Date of Maturity (e)	AMORTIZATION PERIOD		Outstanding (Total amount outstanding without reduction for amounts held by respondent) (h)	Interest for Year Amount (i)	Line No.
		Date From (f)	Date To (g)			
				N/A		1
					2	
					3	
					4	
					5	
					6	
					7	
					8	
					9	
					10	
					11	
					12	
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					21	
					22	
					23	
					24	

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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PAYABLES TO ASSOCIATED COMPANIES* (Accounts 233, 234)

1. Report particulars of notes and accounts payable to associated companies at end of year.
2. Provide separate totals for Accounts 233, Notes Payable to Associated Companies, and 234, Accounts Payable to Associated Companies, in addition to total for the combined accounts.
3. List each note separately and state the purpose for which issued. Show also in column (a) date of note, maturity and interest rate.
4. Include in column (f) the amount of any interest expense during the year on notes or accounts that were paid before the end of the year.
5. If collateral has been pledged as security to the payment of any note or account, describe such collateral.

**See definition on page 226B*

Line No.	Particulars (a)	Balance Beginning of Year (b)	Totals for Year		Balance End of Year (e)	Interest for Year (f)
			Debits (c)	Credits (d)		
1	Line of credit	326,366	8,131,520	10,283,200	2,151,680	\$ 51,260
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
	TOTAL	\$ 326,366	8,131,520	10,283,200	2,151,680	\$ 51,260

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES			
<p>1. Report the reconciliation of reported net income for the year with taxable income used in computing Federal income tax accruals and show computation of such tax accruals. Include in the reconciliation, as far as practicable, the same detail as furnished on Schedule M-1 of the tax return for the year. Submit a reconciliation even though there is no taxable income for the year. Indicate clearly the nature of each reconciling amount.</p> <p>2. If the utility is a member of a group which files a consolidated Federal tax return, reconcile reported net income with taxable net income as if a separate return were to be filed, indicating, however, intercompany amounts to be eliminated in such a consolidated return. State names of group members, tax assigned to each group member, and basis of allocation, assignment, or sharing of the consolidated tax among the group members.</p>			
Line No.		TOTAL AMOUNT	
1	Utility net operating income (page 114 line 20)		
2	Allocations: Allowance for funds used during construction		
3	Interest expense		
4	Other (specify)		
5	Net income for the year (page 117 line 68)		
6	Allocation of Net income for the year		
7	Add: Federal income tax expenses N/A		
8			
9	Total pre-tax income		
10			
11	Add: Taxable income not reported on books:		
12			
13			
14			
15	Add: Deductions recorded on books not deducted from return		
16			
17			
18			
19	Subtract: Income recorded on books not included in return:		
20			
21			
22			
23	Subtract: Deductions on return not charged against book income:		
24			
25			
26	Federal taxable income for the year		

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR FEDERAL INCOME TAXES (Continued)

3. Allocate taxable income between utility and other income as required to allocate tax expense between 409.1 and 409.2
4. A substitute page, designed to meet a particular need of a company, may be used as long as data is consistent and meets the requirements of the above instructions.

Utility	Other	Line No.
		1
		2
		3
		4
		5
		6
		7
N/A		8
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
		19
		20
		21
		22
		23
		24
		25
		26

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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GAIN OR LOSS ON DISPOSITION OF PROPERTY (Account 421.1 and 421.2)

1. Give a brief description of property creating the gain or loss. Include name of party acquiring the property (when acquired by another utility or associated company) and the date transaction was completed. Identify property by type: Leased, Held for Future Use, or Nonutility.
2. Individual gains or losses relating to property with an original cost of less than \$100,000 may be grouped with the number of such transactions disclosed in column (a).
3. Give the date of Commission approval of journal entries in column (b), when approval is required. Where approval is required but has not been received, give explanation following the item in column (a). (See account 102, Utility Plant Purchased or Sold.)

Line No.	Description of Property (a)	Original Cost of Related Property (b)	Date Journal Entry Approved (When Required) (c)	Account 421.1 (d)	Account 421.2 (e)
1	Gain on disposition of property:				
2	Sale of Pickup	27,056		2703	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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GAIN OR LOSS ON DISPOSITION OF PROPERTY (Account 421.1 and 421.2) (Continued)

Line No.	Description of Property (a)	Original Cost of Related Property (b)	Date Journal Entry Approved (When Required) (c)	Account 421.1 (d)	Account 421.2 (e)
18	Loss on disposition of property:				
19					
20					
21					
22	N/A				
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34	Total Loss				

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 07-13-16	Year of Report 12-31-15
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CHARGES FOR OUTSIDE PROFESSIONAL AND OTHER CONSULTATIVE SERVICES

1. Report the information specified below for all charges made during the year included in any account (including plant accounts) for outside consultative and other professional services. (These services include rate, management, construction, engineering research, financial, valuation, legal, accounting, purchasing, advertising, labor relations, and public relations, rendered the respondent under written or oral arrangement, for which aggregate payments were made during the year to any corporation, partnership, organization of any kind, or individual (other than for services as an employee or for payments made for medical and related services) amounting to more than \$25,000, including payments for legislative services, except those which should be reported in Account

426.4, Expenditures for Certain civic, Political and Related Activities.)
 (a) Name and address of person or organization rendering services,
 (b) description of services received during year and project or case to which services relate,
 (c) basis of charges,
 (d) total charges for the year, detailing utility department and account charged.
 2. For any services which are of a continuing nature, give the date and term of contract and date of Commission authorization, if contract received Commission approval.
 3. Designate with an asterisk associated companies.

Line No.	Name / Address	Service	Basis of Charges	Acct #	Amount
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Dec 2015

Thumb Electric Cooperative
Attachment to page 357

Outside Services & Consulting

	Service	Basis of Charge	G/L A/C	Amount
James Woodworth 263 East Huron Bad Axe, MI 48413	Attorney	Retainer NRECA Mtg	923.01 923.01	\$2,768 \$2,862
Jason Bitzer 4431 Seeger St. Cass City, MI 48723	Attorney	Retainer Ipad & Cover	923.01 923.01	\$1,038 \$445
Power Systems Engineering 1532 W. Broadway, Ste 100 Madison, WI 53713	Consulting	Bid	923.02	\$7,961
Leidos Engineering P.O. Box 223058 Pittsburgh, PA 15251	Consulting	Bid	923.02	\$3,962
Eide Bailly 4310 17th Avenue South Fargo, ND 58108-2545	Auditing	Bid	923.03	\$21,500
Total				\$40,536

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-16
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SUMMARY OF COSTS BILLED TO ASSOCIATED COMPANIES

1. In column (a) report the name of the associated company, services provided (administrative and general expenses, dividends declared, etc.).
2. In column (b) describe the affiliation (percentage ownership, etc.).
3. In column (c) describe the nature of the goods and
4. In columns (d) and (e) report the amount classified to operating income and the account(s) in which reported.

Line No.	Company (a)	Affiliation (b)	Description: Nature of Goods and Services (c)	Account Number (d)	Amount Classified to Operating Income (e)
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TOTAL					

see Attached

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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SUMMARY OF COSTS BILLED TO ASSOCIATED COMPANIES (Continued)

5. In columns (f) and (g) report the amount classified to non-operating income and the account(s) in which reported.
 6. In columns (h) and (i) report the amount classified to the balance sheet and the account(s) in which reported.
 7. In column (j) report the total.
 8. In column (k) indicate the pricing method (cost, per contract terms, etc.)

Account Number (f)	Amount Classified to Non-Operating Income (g)	Account Number (h)	Amount Classified to Balance Sheet (i)	Total (j)	Pricing Method (k)	Line No.
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Dec 2015

Thumb Electric Cooperative
Attachment to sheets 358 & 359

Costs billed to associated companies		Amt. To Operating Income	A/C No.	A/C No.	Amt. To Balance Sheet	Total	Pricing Method
Affiliation	Description						
Thumb Energy Services	Subsidiary Payroll & 100% Overhead	\$0		143.02	\$105,040	\$109,361	Cost
Thumb Energy Services	100% Facility Lease	\$1,500	921.00 549.00 549.10		\$0	\$1,500	Contract
Thumb Energy Services	100% Share of heat, lights, supplies & bldg depr	\$4,687			\$0	\$4,595	Cost
Total		\$6,187			\$105,040	\$115,456	

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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SUMMARY OF COSTS BILLED FROM ASSOCIATED COMPANIES

- | | |
|---|---|
| <p>1. In column (a) report the name of the associated company.</p> <p>2. In column (b) describe the affiliation (percentage ownership, etc.).</p> <p>3. In column (c) describe the nature of the goods and</p> | <p>services provided (administrative and general expenses, dividends declared, etc.).</p> <p>4. In columns (d) and (e) report the amount classified to operating income and the account(s) in which reported.</p> |
|---|---|

Line No.	Company (a)	Affiliation (b)	Description: Nature of Goods and Services (c)	Account Number (d)	Amount Classified to Operating Income (e)
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TOTAL					

See Attached

Name of Respondent Thumb Electric	This Report Is: (1) <input checked="" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission	Date of Report (Mo, Da, Yr) 04-13-16	Year of Report 12-31-15
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SUMMARY OF COSTS BILLED TO ASSOCIATED COMPANIES (Continued)

5. In columns (f) and (g) report the amount classified to non-operating income and the account(s) in which reported.
6. In columns (h) and (i) report the amount classified to the balance sheet and the account(s) in which reported.
7. In column (j) report the total.
8. In column (k) indicate the pricing method (cost, per contract terms, etc.)

Account Number (f)	Amount Classified to Non-Operating Income (g)	Account Number (h)	Amount Classified to Balance Sheet (i)	Total (j)	Pricing Method (k)	Line No.
		<i>see Attached</i>				1
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Dec 2015

Thumb Electric Cooperative
Attachment to sheets 360 & 361

Costs billed from associated companies			Amt. To		Amt. To		Pricing
	Affiliation	Description	Operating	A/C No.	Balance	Total	Method
			Income		Sheet		
Thumb Energy Services	Subsidiary 100%	LP Customer Bill Payments	\$0	232.17	\$1,448,533	\$1,448,533	Cost

Subsidiary billing is a separate process and does not impact Thumb Electric general ledger.

Subsidiary bill payments are processed together with parent bill payments. Software sets a liability entry to general ledger a/c 232.17 each day for amount of subsidiary payments.



CPAs & BUSINESS ADVISORS



To the Board of Directors
Thumb Electric Cooperative of Michigan
Ubyly, Michigan

We have audited the financial statements of Thumb Electric Cooperative of Michigan for the year ended December 31, 2015, and have issued our report thereon dated March 7, 2016. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated December 12, 2015. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Findings

Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by Thumb Electric Cooperative of Michigan are described in Note 1 to the financial statements. No new accounting policies were adopted and the application of existing policies was not changed during 2015. We noted no transactions entered into by the Company during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting the financial statements were:

- Depreciation Expense – Management's estimate of depreciation expense is based on the estimated useful lives of the Cooperative's fixed assets.
- Allowance for Doubtful Accounts - Management's estimate of the allowance for doubtful accounts is based on historical revenues, historical loss levels, and an analysis of the collectability of individual accounts.
- Unbilled revenue– Management's estimate of the unbilled revenue is based upon estimated usage per day and the current rates.

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- Inventory reserve – Management’s estimate is based upon estimated inventory shrinkage.
- Deferred tax – Management’s estimate of deferred tax is based upon current rates and expected reversal of significant timing differences.

The financial statement disclosures are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to the financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor’s report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in the management representation letter dated March 7, 2016.

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a “second opinion” on certain situations. If a consultation involves application of an accounting principle to the Company’s financial statements or a determination of the type of auditor’s opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the Company’s auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Other Matters

We were engaged to report on Supplementary Information, which accompany the financial statements but are not required supplementary information (RSI). With respect to this supplementary information, we made certain inquiries of management and evaluated the form, content, and methods of preparing the information to determine that the information complies with accounting principles generally accepted in the United States of America, the method of preparing it has not changed from the prior period, and the information is appropriate and complete in relation to our audit of the financial statements. We compared and reconciled the supplementary information to the underlying accounting records used to prepare the financial statements or to the financial statements themselves.

This information is intended solely for the use of the Board of Directors and management of Thumb Electric Cooperative of Michigan and is not intended to be, and should not be, used by anyone other than these specified parties.

A handwritten signature in cursive script that reads "Eide Bailly LLP".

Fargo, North Dakota
March 7, 2016



Financial Statements
December 31, 2015 and 2014
Thumb Electric Cooperative of Michigan

Thumb Electric Cooperative of Michigan

Table of Contents

December 31, 2015 and 2014

Board of Directors.....	1
Independent Auditor's Report.....	2
Financial Statements	
Balance Sheets	4
Statements of Operations	5
Statements of Members' Equity.....	6
Statements of Cash Flows	7
Notes to Financial Statements.....	9

Thumb Electric Cooperative of Michigan
Board of Directors (Unaudited)
December 31, 2015 and 2014

Louis Wenzlaff	President
Donald Wolschleger	Vice President
Beth McDonald	Secretary
Randall Dhyse	Treasurer
Duane Kursinsky	Director
Jonathan Findlay	Director
Carl Cousins	Director
Kim Nunn	Director
Mike Briolat	Director



CPAs & BUSINESS ADVISORS

Independent Auditor's Report

The Board of Directors
Thumb Electric Cooperative of Michigan
Ubyly, Michigan

Report on the Financial Statements

We have audited the accompanying financial statements of Thumb Electric Cooperative of Michigan, Inc., which comprise the balance sheet as of December 31, 2015 and 2014, and the related statements of operations, members' equity, and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Basis for Qualified Opinion

As more fully described in Note 5 to the financial statements, the Cooperative reports its investment in Thumb Energy Services Corporation, a wholly owned subsidiary, on the equity method of accounting. In our opinion, accounting principles generally accepted in the United States of America require that all majority-owned subsidiaries be accounted for as consolidated subsidiaries. If the financial statements of Thumb Energy Services Corporation had been consolidated with those of Thumb Electric Cooperative of Michigan, total assets and total liabilities and equities would be increased by \$636,092 and \$864,281 as of December 31, 2015 and 2014, and revenues and expenses would be increased by \$1,111,645 and \$1,347,105 for the years then ended.

Qualified Opinion

In our opinion, except for the effects of not consolidating Thumb Energy Services Corporation, as discussed in the above paragraph, the financial statements referred to above present fairly, in all material respects, the financial position of Thumb Electric Cooperative of Michigan as of December 31, 2015 and 2014, and the results of its operations and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Report on Supplementary Information

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The supplementary information on page 1 is presented for the purposes of additional analysis and is not a required part of the financial statements. The listing of the board of directors has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide assurance on them.



Fargo, North Dakota
March 7, 2016

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Thumb Electric Cooperative of Michigan

Balance Sheets

December 31, 2015 and 2014

	2015	2014
Equities and Liabilities		
Equities		
Memberships	\$ 172,395	\$ 169,680
Patronage capital	21,764,988	22,289,988
Other equities	1,631,463	1,254,352
Total equities	23,568,846	23,714,020
 Long-Term Debt, Net of Current Maturities	 39,012,276	 36,811,860
 Current Liabilities		
Current maturities of long-term debt	1,841,163	1,908,965
Note payable - line of credit	1,700,000	-
Accounts payable:		
Purchased power	842,026	1,766,390
Subsidiary	38,711	72,895
Other	1,254,606	1,180,324
Accrued property taxes	575,106	557,464
Accrued payroll and vacation	487,444	407,267
Customer deposits	185,008	178,352
Other	111,554	109,256
Total current liabilities	7,035,618	6,180,913
 Deferred Credits	 133,414	 123,710
Total equities and liabilities	\$ 69,750,154	\$ 66,830,503

Thumb Electric Cooperative of Michigan
 Statements of Operations
 Years Ended December 31, 2015 and 2014

	2015	2014
Operating Revenues		
Electric sales	\$ 18,623,490	\$ 18,980,740
Other sales	926,814	296,619
	19,550,304	19,277,359
Operating Expenses		
Cost of power	9,548,694	9,644,267
Generation	9,791	10,357
Transmission	108,510	58,711
Distribution - operations	612,632	537,610
Distribution - maintenance	2,567,455	1,564,867
Customer accounts	621,112	709,503
Customer service	394,062	348,450
Sales	8,549	10,227
Administrative and general	1,004,550	970,647
Depreciation	2,085,881	1,947,549
Taxes - property	754,690	731,847
Taxes - other	4,995	-
	17,720,921	16,534,035
Operating Income Before Fixed Charges	1,829,383	2,743,324
Fixed Charges:		
Interest on long-term debt	1,456,776	1,493,713
Other interest	51,260	1,084
	1,508,036	1,494,797
Operating Margins After Fixed Charges	321,347	1,248,527
Capital Credits	109,919	126,557
Net Operating Margins	431,266	1,375,084
Nonoperating Margins		
Interest	44,576	72,583
Income from subsidiary	85,541	88,564
Other income	41,767	46,743
	171,884	207,890
Net Margins	\$ 603,150	\$ 1,582,974

Thumb Electric Cooperative of Michigan
 Statements of Members' Equity
 Years Ended December 31, 2015 and 2014

	<u>Memberships</u>	<u>Patronage Capital</u>	<u>Other</u>	<u>Total</u>
Balance, December 31, 2013	\$ 167,010	\$ 21,383,620	\$ 997,967	\$ 22,548,597
Memberships issued	2,670	-	-	2,670
Other equity transactions	-	21,827	83,020	104,847
Retirement of capital credits	-	(609,869)	84,801	(525,068)
Current year margins	-	1,494,410	88,564	1,582,974
Balance, December 31, 2014	169,680	22,289,988	1,254,352	23,714,020
Memberships issued	2,715	-	-	2,715
Other equity transactions	-	(65,605)	198,559	132,954
Retirement of capital credits	-	(977,004)	93,011	(883,993)
Current year margins	-	517,609	85,541	603,150
Balance, December 31, 2015	<u>\$ 172,395</u>	<u>\$ 21,764,988</u>	<u>\$ 1,631,463</u>	<u>\$ 23,568,846</u>

Thumb Electric Cooperative of Michigan
Statements of Cash Flows
Years Ended December 31, 2015 and 2014

	2015	2014
Operating Activities		
Cash received from customers	\$ 20,078,036	\$ 19,478,016
Cash paid to suppliers and employees	(15,321,271)	(13,877,190)
Interest received	44,609	74,147
Interest paid	(1,508,036)	(1,494,797)
Taxes paid	(742,043)	(720,992)
	<u>2,551,295</u>	<u>3,459,184</u>
Net Cash from Operating Activities		
Investing Activities		
Construction and acquisition of plant, net	(5,697,379)	(4,167,482)
Receipt of contribution in aid of construction	177,239	276,884
Cost of removal/salvage, net	(581,928)	(119,400)
(Increase) decrease in:		
Materials inventory	73,860	(85,235)
Investments in associated organizations	83,043	88,673
Other investments	(64,707)	(141,856)
	<u>(6,009,872)</u>	<u>(4,148,416)</u>
Net Cash used for Investing Activities		
Financing Activities		
Proceeds from debt	4,000,000	-
Payments on debt	(1,992,700)	(1,987,781)
Draws on cushion of credit	-	743,915
Advances on line of credit	9,956,834	326,366
Payments on line of credit	(8,131,520)	-
Patronage capital credits paid	(751,039)	(420,221)
Proceeds from memberships issued	2,715	2,670
Increase in consumer deposits	6,656	12,068
	<u>3,090,946</u>	<u>(1,322,983)</u>
Net Cash from (used for) Financing Activities		
Net Change in Cash and Cash Equivalents	(367,631)	(2,012,215)
Cash and Cash Equivalents at Beginning of Year	<u>1,004,791</u>	<u>3,017,006</u>
Cash and Cash Equivalents at End of Year	<u>\$ 637,160</u>	<u>\$ 1,004,791</u>

Thumb Electric Cooperative of Michigan
 Statements of Cash Flows
 Years Ended December 31, 2015 and 2014

	2015	2014
Reconciliation of Net Margins to Net Cash Provided by Operating Activities:		
Net margins	\$ 603,150	\$ 1,582,974
Adjustments to reconcile net margins to net cash provided by operating activities:		
Depreciation and amortization	2,278,447	2,138,148
Capital credits	(109,919)	(126,557)
Amortization of security retirement prepayment	190,043	190,043
Gain on disposal of electric plant	(6,101)	(1,905)
Income from subsidiary	(85,541)	(88,565)
(Increase) decrease in:		
Customer and other accounts receivable	468,795	149,252
Current and accrued assets - other	(6,728)	19,327
Deferred charges	3,297	3,265
Increase (decrease) in:		
Accounts payable	(884,266)	(235,125)
Accrued property taxes	17,642	10,855
Accrued payroll and vacation	80,177	(187,657)
Accrued other	2,299	5,129
Total adjustments	1,948,145	1,876,210
Net Cash Provided by Operating Activities	\$ 2,551,295	\$ 3,459,184

Note 1 - Summary of Significant Accounting Policies

Principal Business Activity

Thumb Electric Cooperative of Michigan (the Cooperative), a Michigan corporation, provides for the electric energy needs of its members, the rural residents of the counties of Huron, Sanilac and Tuscola in the Thumb area of Michigan.

Consolidation Policy and Preparation of Financial Statements

The financial statements of the Cooperative have been prepared on the accrual basis of accounting. The Cooperative reports its investment in its wholly owned subsidiary, Thumb Energy Services Corporation, using the equity method. Accounting principles generally accepted in the United States of America require wholly owned subsidiaries to be consolidated. In arriving at the decision not to consolidate its subsidiary, management concluded that since the primary users of the statements are the Board of Directors, management and members, consolidation of the subsidiary's statements would tend to obscure the financial position and activities of the Cooperative.

Regulation

On October 30, 1984, the MPSC issued an order authorizing the Cooperative to implement a Times Interest Earned Ratio (TIER) ratemaking mechanism. Under TIER ratemaking, the Cooperative is required to make annual filings to the MPSC indicating whether or not their rates need adjustment.

The MPSC did approve a rate change with the approval of U-17101-R, dated October 7, 2014 which went into effect in November 2014.

The Cooperative accrues revenues for electric power supply costs, subject to annual reconciliation hearings conducted before the Michigan Public Service Commission (MPSC). The Cooperative records any over-recovery or under-recovery of purchased power costs as a liability or an asset until these costs are refunded or billed to its members.

As a result of the ratemaking process, the Cooperative applies Accounting Standards Codification (ASC) 980, *Regulated Operations*. The application of generally accepted accounting principles by the Cooperative differs in certain respects from the application by non-regulated businesses as a result of applying ASC 980. Such differences generally relate to the time at which certain items enter into the determination of net margins in order to follow the principle of matching costs and revenues.

Electric Plant

Property and equipment are carried at cost less contributions in aid of construction. The cost of additions to electric plant includes contracted work, direct labor and materials and allocable overheads. When units of property that are specifically identifiable are retired, sold or otherwise disposed of in the ordinary course of business, their book cost less net salvage is recognized as a gain or loss. All other units of property that are retired, sold or otherwise disposed of in the ordinary course of business, their average book cost less net salvage is charged to accumulated depreciation. Repairs and the replacement and renewal of items determined to be less than units of property are charged to maintenance expense.

Depreciation

Depreciation for financial reporting purposes is determined by straight-line composite rates based on the estimated useful lives of the various classes of property in compliance with applicable RUS guidelines. The overall composite rates for 2015 and 2014 were 2.47% and 2.43%, respectively.

Cash and Cash Equivalents

For purposes of the statement of cash flows, the Cooperative considers all highly liquid debt instruments purchased with an original maturity of 30 days or less to be temporary cash investments.

Investments

Investments in other cooperatives and associated organizations are recorded at initial cost including allocated equities. The Cooperative's investment in its wholly owned subsidiary, Thumb Energy Services Corporation, is recorded using the equity method. Under this method, the investment is adjusted for the subsidiary's underlying earnings and losses.

Receivables and Credit Policies

Trade receivables are uncollateralized member obligations due under normal trade terms requiring payment within 21 days from the billing date. Unpaid trade receivables with dates over 30 days old are assessed a late fee of 2% of the unpaid balance or the amount of the bill less tax, whichever is less. Non-interest bearing notes receivable are stated at principal balance and are collateralized by equipment.

Payments on trade and notes receivables are allocated to the earliest unpaid billings. The carrying amounts of trade receivables are reduced by a valuation allowance that reflects management's best estimate of the amount that will not be collected. Management reviews all trade receivable balances periodically and adjusts the allowance accounts based on current economic conditions and past experience. When a member's account becomes past due and uncollectible, the member's service is terminated. The Board of Directors approves all accounts charged off.

Materials and Supplies

Electrical materials and supplies are valued at the lower of market or average cost.

Deferred Debits

Deferred debits consist primarily of engineering costs for future work plans and equipment clearing accounts. Engineering costs are amortized over the remaining term of the work plan. Clearing charges are spread to work orders based on equipment use for those work orders. Deferred debits also include a retirement security prepayment made to ensure proper funding of the Retirement Security Plan which is being amortized over a 7 year period.

Patronage Capital

The Cooperative operates on a nonprofit basis. Amounts received from the furnishing of electric energy in excess of operating costs and expenses are assigned to patrons on a patronage basis. All other amounts received by the Cooperative from its operations in excess of costs and expenses, to the extent they are not needed to offset current or prior losses, may be credited to a general unallocated reserve, at the discretion and determination of the board of directors. The Cooperative, at the discretion of the board of directors, does not allocate margins received from its subsidiary.

Revenue Recognition and Unbilled Revenues

The Cooperative recognizes revenue on members' unbilled accounts based upon estimated usage in the current billing cycle.

Power Costs

Power costs include all power delivered to the Cooperative, regardless of whether the power supplier has billed the Cooperative for power delivered.

Deferred Credits

Deferred credits consist primarily of member advances on construction and advance payments made by members in connection with electric service.

Business and Credit Risk

Financial instruments which potentially subject the Cooperative to concentrations of credit risk consist primarily of temporary cash instruments and trade receivables. The Cooperative provides electrical service on account to its members whom are located primarily in the counties of Huron, Sanilac and Tuscola in the Thumb area of Michigan. The Cooperative has established policies for extending the credit based upon factors surrounding the credit risk of specified members, historical trends and other information. Concentrations of credit risk with respect to trade receivables are limited due to the Cooperative's large number of members. Nonetheless, the Cooperative's ability to collect from its members is affected by the economic conditions in which it operates.

The Cooperative maintains its temporary cash investments and cash balances with high credit quality financial institutions. Although such investments and cash balances may exceed the federally insured limit of \$250,000 from time to time, they are, in the opinion of management, subject to minimal risk.

Accounting Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Advertising Costs

Advertising costs of \$34,573 and \$41,642 in 2015 and 2014, respectively, are expensed as incurred.

Sales Taxes and Low Income Assistance

The Cooperative has members in a state which imposes a sales tax and low income fee on certain sales. The Cooperative collects the sales taxes and low income fees from its members and remits the entire amount to the state of Michigan. The Cooperative's accounting policy is to exclude the tax collected and remitted from revenue and cost of revenue.

Fair Value Measurements

Accounting Standards Codification (ASC) 820, *Fair Value Measurements and Disclosures* which provides a framework for measuring fair value under generally accepted accounting principles, became effective to Cooperative as of January 1, 2008. In accordance with the provision of ASC 820-10, the Cooperative has deferred the adoption of ASC 820 for one year for non-financial assets and liabilities that are recognized or disclosed at fair value in the financial statements on a nonrecurring basis. Therefore, the Cooperative adopted ASC 820 on January 1, 2009. There was no adjustment to financial assets as a result of the adoption of ASC 820.

ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 requires that valuation techniques maximize the use of observable inputs and minimize the use of unobservable inputs. ASC 820 also establishes a fair value hierarchy, which prioritizes the valuation inputs into three broad levels.

Level 1 inputs consist of quoted prices in active markets for identical assets or liabilities that the reporting entity has the ability to access at the measurement date. Level 2 inputs are inputs other than quoted prices included within Level 1 that are observable for the related asset or liability. Level 3 inputs are unobservable inputs related to the asset or liability.

The Cooperative does not have any assets or liabilities subject to the level 1, 2, or 3 valuation as of December 31, 2015 and 2014 and does not anticipate participating in transactions of this type in the future.

Income Taxes

The Cooperative is exempt from federal income tax under Section 501(c)(12) of the United States Internal Revenue Code, therefore no provision for federal income tax is recorded. However, income from unrelated business activities is subject to income tax at normal corporate rates.

The Cooperative has adopted the provisions of FASB Accounting Standards Codification Topic ASC 740-10. The Cooperative had no unrecognized tax benefits as of December 31, 2015 and 2014.

The Cooperative will recognize future accrued interest and penalties related to unrecognized tax benefits in income tax expense if such penalties and interest are incurred. Under normal circumstances, the Cooperative is no longer subject to Federal and State tax examinations by tax authorities for years before 2012.

The Cooperative undergoes an annual analysis of its various tax positions, assessing the likelihood of those positions being upheld upon examination with relevant tax authorities, as defined by ASC 740-10.

Subsequent Events

The Cooperative has evaluated subsequent events through March 7, 2016, the date which the financial statements were available to be issued.

Note 2 - Short Term Investments – Restricted

On March 20, 1984, the Michigan Public Service Commission issued its opinion and order in Case No. U-7901, directing Michigan's Rural Electric Cooperatives to maintain power supply cost recovery over-collections and refundable contributions in restricted accounts to be used only for the purpose for which they are intended.

In order to accomplish the objectives of the Commission, Rural Utility Service (RUS) accounting and reporting requirements, a non-complex mechanism acceptable to Cooperative Finance Corporation (CFC) and a workable approach acceptable to Thumb Electric Cooperative of Michigan, Thumb, on December 17, 1985, entered into an agreement with CFC to escrow power supply cost recovery over-collections and refundable contributions. A monthly certification is to be included with the monthly Form 7 advising RUS as to amounts included in the special funds representing power supply recovery over-collections and refundable contributions.

Thumb Electric Cooperative of Michigan is to provide CFC a copy of the monthly certification described above which will serve as notice to CFC as to the amount which the fund should not fall below. Under the provisions of the agreement with CFC when the amount of deposits held by CFC falls below the level set forth in the latest available certification furnished CFC, CFC will advise RUS and the Commission if Thumb Electric Cooperative has not remedied the deficiency within three business days of notification by CFC to Thumb Electric Cooperative of Michigan.

The following is a summary of the cash amounts restricted as of December 31, 2015 and 2014:

	2015	2014
Construction advances	\$ 57,331	\$ 64,773
Customer deposits	185,008	178,352
PSCR payable	119,300	456,600
	361,639	699,725
Difference in required investment excess (under) invested	(211,639)	(549,725)
Total funds restricted	\$ 150,000	\$ 150,000

Note 3 - Electric Plant and Equipment

Electric plant in service at December 31, 2015 and 2014 consist of the following:

	2015	2014
Distribution	\$ 63,129,954	\$ 58,522,035
Transmission	9,808,566	9,225,391
Production	7,896,261	7,896,261
General	6,087,102	6,003,864
Intangible	834	834
Total	\$ 86,922,717	\$ 81,648,385

Depreciation charges at December 31, 2015 and 2014 were as follows:

	2015	2014
Charged to operations		
Classified as depreciation and amortization	\$ 2,085,881	\$ 1,947,549
Classified in other operating expenses	6,569	6,304
	2,092,450	1,953,853
Charged to transportation	185,997	184,295
Total	\$ 2,278,447	\$ 2,138,148

Note 4 - Investments in Associated Organizations

Investments in associated organizations consisted of the following at December 31, 2015 and 2014:

	2015	2014
National Rural Utilities Cooperative Finance Corporation:		
Capital term certificates	\$ 618,197	\$ 627,264
Patronage capital credits	266,212	258,936
Member capital securities	150,000	150,000
Membership fee	2,000	2,000
	1,036,409	1,038,200
 National Information Solutions Cooperative		
Patronage capital credits	105,519	99,848
Federated Insurance	152,552	140,176
Other	274,583	263,963
Total	\$ 1,569,063	\$ 1,542,187

Note 5 - Investments in Subsidiary

The Cooperative reports its investment in its wholly owned subsidiary, Thumb Energy Services Corporation, using the equity method. Accounting principles generally accepted in the United States of America require wholly owned subsidiaries to be consolidated. Thumb Energy Services Corporation provides propane services. In arriving at the decision not to consolidate its subsidiary, management concluded that since the primary users of the statements are the Board of Directors, management and members, consolidation of the subsidiary's statements would tend to obscure the financial position and activities of the Cooperative. Inclusion of the following condensed financial information of the subsidiary as of and for the years ended December 31, 2015 and 2014 permits users of these statements to be more fully informed.

Thumb Electric Cooperative of Michigan
Notes to Financial Statements
December 31, 2015 and 2014

Financial information related to Thumb Energy Services Corporation at December 31, 2015 and 2014 is as follows:

	2015	2014
Balance Sheet		
Current assets	\$ 911,867	\$ 986,304
Investments and other assets	1,234,940	1,240,910
	\$ 2,146,807	\$ 2,227,214
Current liabilities	\$ 373,503	\$ 609,979
Long-term liabilities	301,301	327,197
Equity	1,472,003	1,290,038
	\$ 2,146,807	\$ 2,227,214
Operations		
Operating revenues	\$ 1,197,031	\$ 1,439,494
Operating expenses	(1,040,106)	(1,297,793)
Other expenses - net	(71,384)	(53,136)
Net income	\$ 85,541	\$ 88,565

As a result of not consolidating Thumb Energy Services Corporation, the Cooperative's financial statements are understated as follows at December 31, 2015 and 2014:

	2015	2014
Assets and liabilities	\$ 636,093	\$ 864,281
Revenues and expenses	\$ 1,111,645	\$ 1,347,105

Note 6 - Deferred Charges and Credits

Following is a summary of the amounts recorded as deferred charges as of December 31, 2015 and 2014:

	2015	2014
Retirement security prepayment	\$ 834,217	\$ 1,034,429
Energy optimization	25,074	18,202
Total	\$ 859,291	\$ 1,052,631

Thumb Electric Cooperative of Michigan
Notes to Financial Statements
December 31, 2015 and 2014

Following is a summary of the amounts recorded as deferred credits as of December 31, 2015 and 2014:

	<u>2015</u>	<u>2014</u>
Customer prepayments	\$ 76,083	\$ 58,937
Line extension contributions	55,016	64,589
Underground contributions	<u>2,315</u>	<u>184</u>
Total	<u>\$ 133,414</u>	<u>\$ 123,710</u>

Note 7 - Patronage Capital

Patronage capital consisted of the following at December 31, 2015 and 2014:

	<u>2015</u>	<u>2014</u>
Assignable margins	\$ 517,609	\$ 1,494,410
Sales tax refund assignable	41,598	49,610
Assignable to date	<u>29,214,580</u>	<u>27,720,170</u>
	<u>29,773,787</u>	<u>29,264,190</u>
Less:		
Estate payments to date	3,407,343	3,193,053
Called for redemption to date	4,119,102	3,386,132
Discounted capital	<u>482,354</u>	<u>395,017</u>
	<u>8,008,799</u>	<u>6,974,202</u>
Total	<u>\$ 21,764,988</u>	<u>\$ 22,289,988</u>

Under the provisions of the Mortgage Agreements, until the equities and margins equal or exceed thirty percent of the total assets of the Cooperative, the return to patrons of capital contributed by them is limited generally to twenty-five percent of the patronage capital or margins received by the Cooperative in the next preceding year.

The equities and margins of Thumb represent 33.79% and 35.48% percent of the total assets at December 31, 2015 and 2014.

Note 8 - Other Equities

At December 31, 2015 and 2014, other equities consisted of:

	2015	2014
Non-operating margins	\$ 30,545	\$ 30,545
Retained earnings from subsidiary	468,297	297,216
Capital gains and losses	3,137	3,137
Donated capital	4,761	3,720
Retired capital credits-gain	1,124,723	919,734
	\$ 1,631,463	\$ 1,254,352

The Cooperative began discounting the retirement of estate capital credits during 2011. The amount of discount credited to the retired capital credits –gain was approximately \$87,000 and \$85,000 during 2015 and 2014, respectively.

Note 9 - Mortgage Notes

	2015	2014
RUS and FFB mortgage notes payable in equal monthly or quarterly installments including interest at 2.625% - 5.500% maturing to the year 2042, secured by utility plant assets	\$ 34,318,777	\$ 31,143,419
NRUCFC mortgage notes payable in equal quarterly installments including interest at 2.30% - 6.75% maturing to the year 2031, secured by utility plant assets	4,137,632	4,729,392
CoBank mortgage notes payable in equal quarterly installments including interest at 4.22% - 6.49% maturing to the year 2027, secured by utility plant assets	2,397,030	2,848,014
	40,853,439	38,720,825
Less current maturities of long-term debt	1,841,163	1,908,965
Total long-term debt	\$ 39,012,276	\$ 36,811,860

Thumb Electric Cooperative of Michigan
Notes to Financial Statements
December 31, 2015 and 2014

As of December 31, 2015, approximate annual maturities of long-term debt outstanding for the next five years are as follows:

<u>Year Ending December 31,</u>	<u>RUS and FFB</u>	<u>NRUCFC</u>	<u>CoBank</u>	<u>Total</u>
2016	\$ 863,912	\$ 511,565	\$ 465,686	\$ 1,841,163
2017	907,924	532,305	489,411	1,929,640
2018	954,178	531,065	491,557	1,976,800
2019	1,002,788	416,108	494,062	1,912,958
2020	1,053,875	215,660	303,977	1,573,512
Thereafter	29,536,097	1,930,931	152,338	31,619,366
	<u>\$ 34,318,774</u>	<u>\$ 4,137,634</u>	<u>\$ 2,397,031</u>	<u>\$ 40,853,439</u>

Substantially all assets are pledged as collateral on long-term debt payable to the Rural Utilities Service (RUS) of the United States of America, Federal Financing Bank (FFB) and the National Rural Utilities Cooperative Finance Corporation (CFC). Additionally, the Cooperative has no unadvanced loan funds available from RUS, FFB, CoBank or CFC as of December 31, 2014.

Note 10 - Line of Credit

Line of credit consists of the following:

	<u>2015</u>	<u>2014</u>
NRUCFC line of credit (expiration October 2016)		
Available at December 31	\$ 500,000	\$ 500,000
Outstanding at December 31	-	-
Rate at December 31	2.90%	2.90%
CoBank line of credit		
Available at December 31	\$ 5,000,000	\$ 5,000,000
Outstanding at December 31	1,700,000	-
Rate at December 31	2.53%	2.93%
Northstar Bank line of credit		
Available at December 31	\$ 2,000,000	\$ 2,000,000
Outstanding at December 31	-	-
Rate at December 31	3.45%	3.45%

The line of credit agreement requires that when the agreement is for a term of more than twelve months, then within 360 days of the first advance, the cooperative will reduce to zero for a period of at least live consecutive business days amounts outstanding. The Cooperative was in compliance with this requirement for 2015 and 2014.

Note 11 - Retirement Plan

Pension Plan

The National Rural Electric Cooperative Association (NRECA) Retirement Security Plan (RS Plan) is a defined benefit pension plan qualified under Section 401 and tax-exempt under Section 501(a) of the Internal Revenue Code. It is a multiemployer plan under the accounting standards. The plan sponsor's Employer Identification Number is 53-0116145 and the Plan Number is 333. A unique characteristic of a multiemployer plan compared to a single employer plan is that all plan assets are available to pay benefits of any plan participant. Separate asset accounts are not maintained for participating employers. This means that assets contributed by one employer may be used to provide benefits to employees of other participating employers.

Thumb Electric Cooperative of Michigan's contributions to the RS Plan in 2015 and 2014 represented less than five percent of the total contributions made to the plan by all participating employers. The Cooperative made contributions to the plan of \$460,252 and \$417,787 for the years ended December 31, 2015 and 2014, respectively. In 2013, the Cooperative made a \$1,307,813 prepayment to the National Rural Electric Cooperative Association for the Retirement Security Plan to enhance the Plan's funded status. With this prepayment, the Cooperative will pay 25% lower premiums than cooperatives in the Retirement Security Plan that did not make a prepayment. The prepayment will be amortized over 7 years. The amortization expense was \$190,043 and \$190,043 in 2015 and 2014, respectively.

For the RS Plan, a "zone status" determination is not required, and therefore not determined, under the Pension Protection Act (PPA) of 2006. In addition, the accumulated benefit obligations and plan assets are not determined or allocated separately by individual employer. In total, the RS Plan was over 80 percent funded on January 1, 2015 and 2014 based on the PPA funding target and PPA actuarial value of assets on those dates. Because the provisions of the PPA do not apply to the RS Plan, funding improvement plans and surcharges are not applicable. Future contribution requirements are determined each year as part of the actuarial valuation of the plan and may change as a result of plan experience.

Savings Plan

In addition to the above retirement plan, employees of the Cooperative are eligible to participate in the NRECA SelectRe 401(k) Pension Plan. The Cooperative made a contribution equal to 2.75% from November 1, 2013 through January 1, 2014, equal to 6.0% from January 1, 2014 through November 1, 2014, and equal to 3.0% from November 1, 2014 to December 31, 2015. The Cooperative made contributions of \$67,147 and \$64,779 in 2015 and 2014, respectively.

Note 12 - Related Party Transactions

Thumb Energy Services Corporation is wholly owned subsidiary of Thumb Electric Cooperative of Michigan (Thumb). At December 31, 2015 and 2014, Thumb reflected payables in the amount of \$38,711 and \$72,895, respectively. Thumb Electric Cooperative of Michigan has furnished personnel, office space, and other necessary operating facilities such as computer time for Thumb Energy Services' operations. Thumb Energy Services reimbursed Thumb Electric Cooperative \$78,411 and \$96,424 for the year ended December 31, 2015 and 2014, respectively, for these services.

Note 13 - Commitments and Contingencies

The Cooperative has entered into a Market Based Rate Full Requirement Agreement with CMS Energy Resource Management Company (CMS) to purchase its power and energy from CMS from January 1, 2014 through May 31, 2020.

Thumb Electric Cooperative of Michigan, (Guarantor), has agreed to guarantee 100% of line of credit loan and term loan advances obtained by Thumb Energy Services (TEsC) from the National Cooperative Services Corporation (NCSC) in an amount not to exceed \$2,000,000 in total outstanding and at such interest rate or rates as shall be prescribed in the note or notes executed by and on behalf of TEsC and delivered to NCSC, the proceeds of such loan to be used for general corporate purposes.

Concentration of Sources of Labor

At December 31, 2015, the Cooperative has approximately 73% of its employees covered by a collective bargaining agreement. The collective bargaining agreement for employees will expire on November 1, 2017.