



SHO-ME POWER
ELECTRIC COOPERATIVE



ANNUAL REPORT

2019

WE WORK FOR YOU THE MEMBER



“Great things come from hard work and perseverance.
No excuses.”

Kobe Bryant

CONTENT

04	ABOUT US
06	OUR BOARD OF DIRECTORS
08	MEMBER MANAGERS
09	OUR SERVICE AREA
10	OUR GREAT TEAM
12	LETTER TO THE MEMBERS
14	FINANCIAL HIGHLIGHTS
16	FIVE YEAR FINANCIAL COMPARISON
18	WE WORK FOR YOU - 2019
26	2019 HIGHLIGHTS

SHO-ME POWER ABOUT US

STRUCTURE

The Missouri Cooperative Structure consists of four levels: Generation, Transmission, Distribution, and the ultimate consumer, or member. The Generation Cooperative creates the power, the Transmission Cooperative delivers the power to a distribution substation, and the Distribution Cooperative then provides the power to the member-owner for final use.

The rural residents of Missouri came together in the 1930's to form local distribution cooperatives. Transmission cooperatives like Sho-Me Power were formed by their distribution cooperative owners in the 1940's to connect to various power sources. In the 1960's the transmission cooperatives banded together to create a generation cooperative, Associated Electric Cooperative, Inc.

ORGANIZATION

The predecessors of Sho-Me Power Electric Cooperative were Sho-Me Power Cooperative, formed in 1941 as an agriculture cooperative, followed by Sho-Me Power Corporation, incorporated in 1947 as a public utility. This corporate entity, fully regulated by the Missouri Public Service Commission (MoPSC), provided wholesale electric service to its nine member distribution cooperatives as well as retail electric service to many communities until 1984, when the remaining facilities serving retail consumers were sold to four rural electric cooperatives. In 1992 the Missouri Secretary of State allowed Sho-Me Power to be converted pursuant to the provisions of the Rural Electric Cooperative Act, Chapter 394, specifically §394.070 of the Revised Statutes of Missouri, 1989, as amended, and since February 27, 1992 our name has been

SHO-ME POWER AND ITS EMPLOYEES ARE DEDICATED TO PROVIDING SAFE, RELIABLE, LOW COST POWER AND COMMUNICATION SERVICES TO THE MEMBERS WE SERVE WHICH IMPROVES THE QUALITY OF LIFE FOR THEIR MEMBERS.

Sho-Me Power Electric Cooperative. In September 1993 the MoPSC released Sho-Me Power from its rate regulation, leaving it free to be regulated by its nine REC member-owners.

TRANSMISSION

Sho-Me Power provides service to 157 member delivery points served by 159 distribution and transmission substations through 1,033 miles of 69 kV, 10 miles of 138 kV, and 419 miles of 161 kV electrical transmission line. Additionally, Sho-Me operates and maintains 139 miles of 161 kV transmission line owned by Central Electric Cooperative, headquartered in Jefferson City, Missouri, and approximately 227 miles of 345 kV line and three 345/161 kV substations with a combined capacity of 1,440,000 kVA owned by AECL, headquartered in Springfield, Missouri.

SHO-ME TECHNOLOGIES

Sho-Me Technologies is a subsidiary of Sho-Me Power Electric Cooperative in Marshfield, Missouri. Sho-Me Technologies operates an advanced optical network spanning electric transmission lines across Missouri. What began as an upgrade to the extensive internal communications network has now grown to encompass over 8,000 miles of fiber optic connectivity. With 138 Points of Presence, Sho-Me Technologies boasts the highest coverage of optical bandwidth in the area.

Sho-Me Power is an equal opportunity provider and employer.

SHO-ME POWER BOARD OF DIRECTORS

Member control of Sho-Me is assured by a board of nine Directors and Managers from the Member Electric Cooperatives we serve.

Cooperatives are democratic organizations controlled by their members, who actively participate in setting policies and making decisions. Men and women serving as elected representatives are accountable to the membership.



James White
President
Intercounty Electric Cooperative Association
Licking, Missouri



Carmen Hartwell
Vice President
Gascosage Electric Cooperative
Dixon, Missouri



John Campbell
Secretary
Se-Ma-No Electric Cooperative
Mansfield, Missouri



James Cottrell
Crawford Electric Cooperative, Inc.
Bourbon, Missouri



Dan Singletary
Howell-Oregon Electric Cooperative, Inc.
West Plains, Missouri



Marc Roecker
Laclede Electric Cooperative
Lebanon, Missouri



Jack Bybee
Southwest Electric Cooperative
Bolivar, Missouri



Tom Houston
Webster Electric Cooperative
Marshfield, Missouri



Chris Hamon
White River Valley Electric Cooperative, Inc.
Branson, Missouri

SHO-ME POWER MEMBER MANAGERS



Tony Mallory
CEO/General Manager
Crawford Electric Cooperative, Inc.
Bourbon, Missouri



Carmen Hartwell
General Manager
Gascosage Electric Cooperative
Dixon, Missouri



Dan Singletary
CEO/General Manager
Howell-Oregon Electric Cooperative, Inc.
West Plains, Missouri



Doug Lane
CEO
Intercounty Electric Cooperative Association
Licking, Missouri



Marc Roecker
CEO/General Manager
Laclede Electric Cooperative
Lebanon, Missouri



Dan Sisco
General Manager
Se-Ma-No Electric Cooperative
Mansfield, Missouri



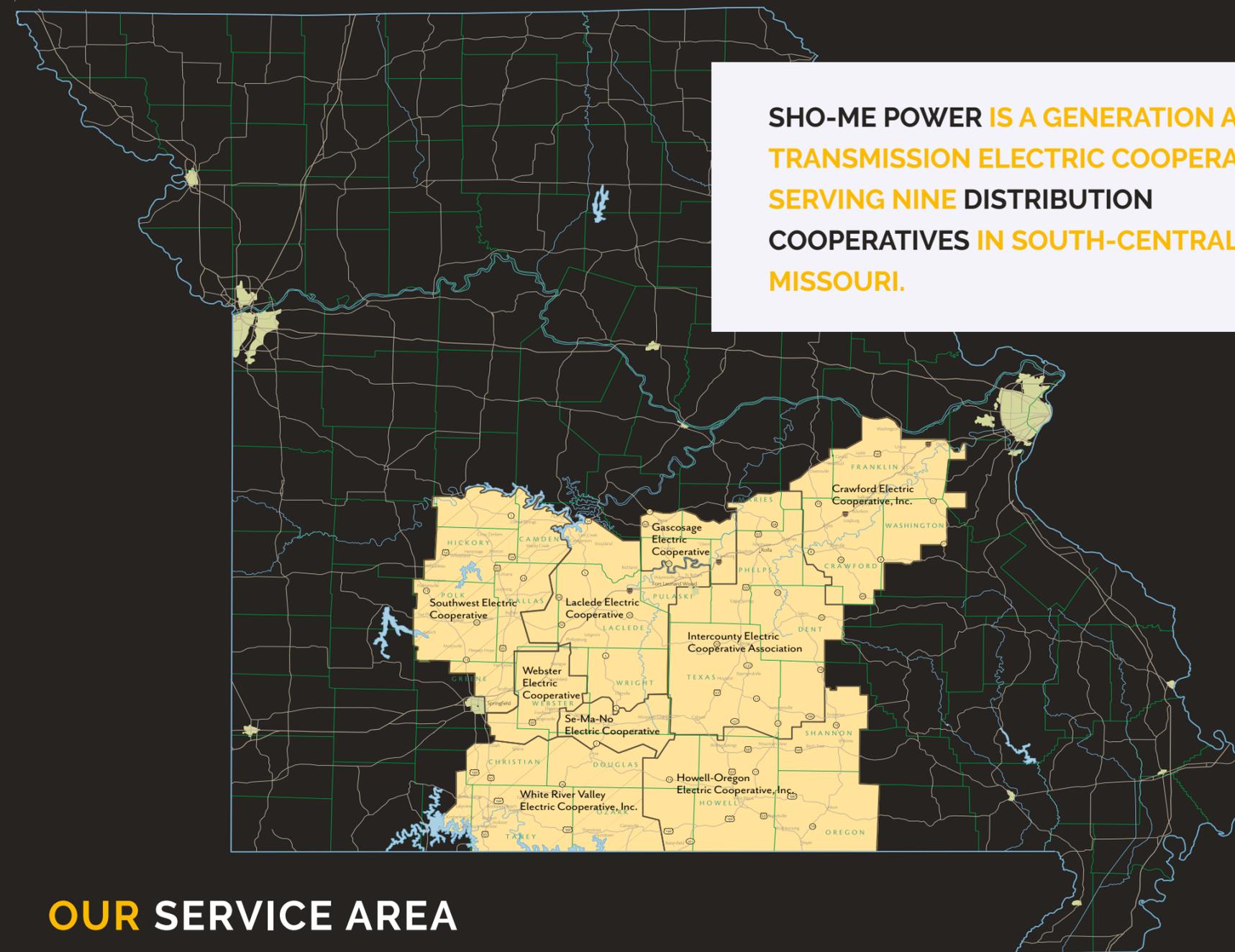
James Ashworth
CEO/General Manager
Southwest Electric Cooperative
Bolivar, Missouri



Tom Houston
General Manager
Webster Electric Cooperative
Marshfield, Missouri



Chris Hamon
CEO
White River Valley Electric Cooperative, Inc.
Branson, Missouri



OUR SERVICE AREA

SHO-ME POWER YOUR TEAM

“The strength of the team is each individual member. The strength of each member is the team.”

Phil Jackson



John Richards
CEO & General Manager



Cindy Keeler
Executive Assistant



Chris Bolick
Chief Operating Officer



Peter Dawson
Chief Compliance Officer



Rebecca Gunn
Manager, Human Resources



Micah Johnson
Manager, Information Technology



Mark Keeling
Chief Technology Officer



Tim Lewis
Manager, Member Services & Corporate Communications



Denise Stevens
Chief Financial Officer

MESSAGE TO OUR MEMBERS

How will 2019 be remembered many years from now? Unfortunately, it will probably be remembered as the year before COVID-19 turned everyone's lives in the United States of America upside down, dominating the news reports 24 hours a day, but made us all recognize how valuable the reliability of our electric & telecommunications services can be each and every day.

2019 was the calm before the storm. 2019 was not without tornadoes, floods and outages, and Sho-Me's employees and its members responded like they always do, by leaving their homes, sometimes in the middle of the night, to restore services as quickly and as safely as possible.

As we look back at our actions and accomplishments of 2019, it really is obvious why our theme for this year's Annual Report and Video is WE WORK FOR YOU. It is a phrase that every part of the three-tiered rural electric system in Missouri could use in their Annual Reports to their members each and every year, but we have highlighted some things from 2019 that we know will make a big difference for years to come.

The challenges we are facing today come about for many reasons. Our electric system is aging, and sometimes not very gracefully. Some of the equipment that we have relied upon for decades is wearing out, and a lot of it is occurring at about the same time. For many years the demand for electricity was

growing rapidly, and the need for new facilities to serve the growing load was our primary focus. After several decades of teaching our members how to save energy, the need to build so many new facilities has been reduced, and is allowing us the opportunity to make sure our existing facilities can become more resilient. WE WORK FOR YOU.

This year was marked by a collaborative effort between our power supplier, our electric cooperative members and Sho-Me to develop an economic development plan for the future. This initiative, coupled with adopting the principles of Beneficial Electrification, is designed to allow us to be of help in making the lives of our members better in the years to come. WE WORK FOR YOU.

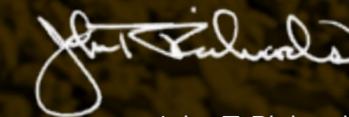
One of the more popular developments over the last several years is including as part of our annual meeting a descriptive story in the form of a video. This year is no different, except we are drilling down and looking at some of the tasks that make our electric transmission operations and maintenance a little bit different from that of our power supplier and distribution cooperative members. Video records of our year's accomplishments are sometimes easier to share and understand than the printed word, and we encourage you to revisit prior years' Annual Reports and Year in Review Videos at www.ShoMePower.com. WE WORK FOR YOU.

Governance at Sho-Me Power is accomplished through a nine member Board of Directors. Those directors and member cooperative General Managers that are not directors sit on committees that review and recommend actions by the full Board of Directors. These committees rely upon our employee subject matter experts to bring these committees and the Board of Directors meaningful information to help in reaching informed decisions to guide the actions of Sho-Me Power Electric Cooperative moving forward. WE WORK FOR YOU.

As this year's President I am honored to serve in this role, and both John & I are in hopes that next year, when we meet in person again to discuss our accomplishments of 2020, we can look back at the different challenges we have faced and successfully met as a result of the COVID-19 crisis, and that more than ever, WE WORK FOR YOU.



James E. White
President



John T. Richards
CEO & General Manager



FINANCIAL HIGHLIGHTS

SHO-ME POWER AND SHO-ME TECHNOLOGIES EXHIBIT SOLID FINANCIAL STRENGTH IN 2019

Electric Revenue in 2019 totaled \$185,134,678 and was in excess of the budgeted amount of \$183,346,361. While Electric Revenues were over budget, Purchased Power costs were under budget as a result of a base load billing demand rate discount provided by Sho-Me Power's wholesale power provider, Associated Electric Cooperative, Inc. (AECI). These retroactive discounts from AECI totaled \$2,541,924 in 2019.

Telecommunications Revenue in 2019 was slightly above budget at \$35,039,221 compared to the budget of \$34,599,827. An increase in revenue generated from the sale of Dedicated Internet Access was the main driver of the increase compared to budget. While revenues were up, so too were Operating Expenses as more maintenance was performed on Sho-Me Technologies' network than expected in 2019.

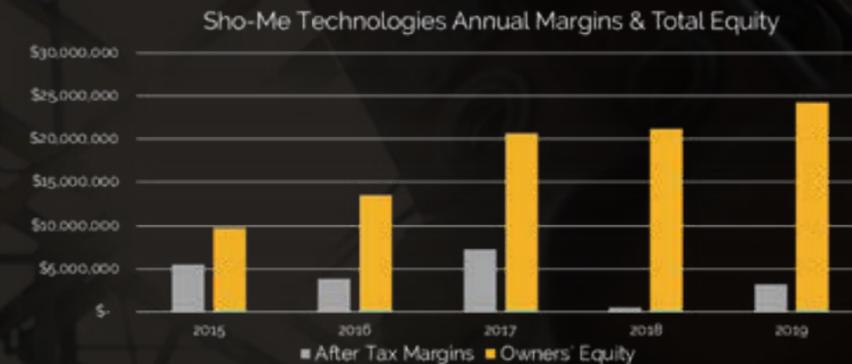
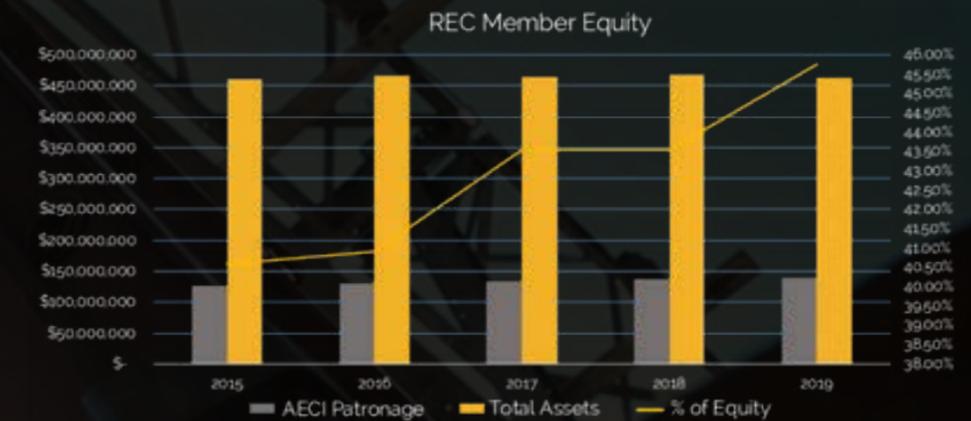
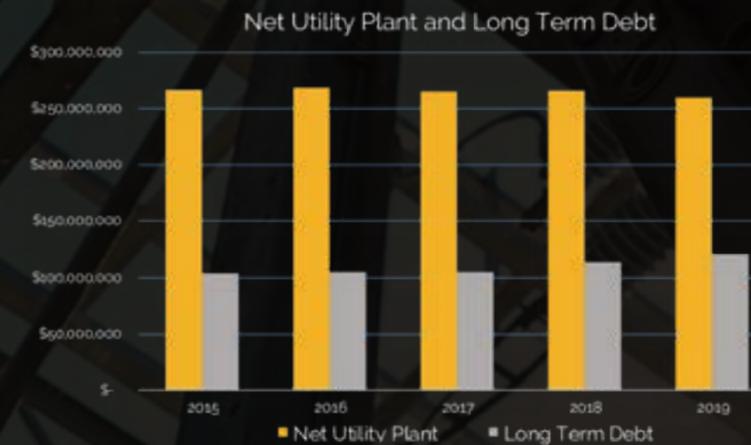
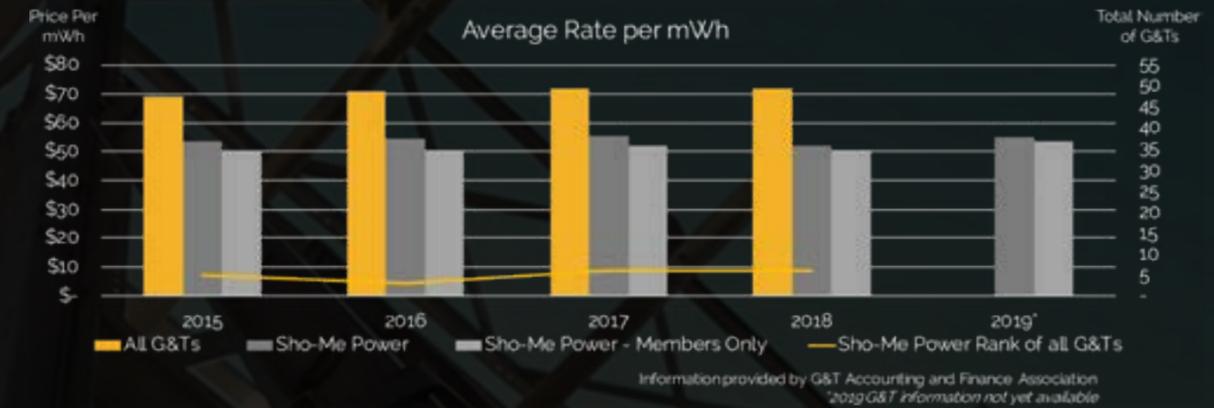
2019 ended with consolidated Net Margins of \$13,854,308. The 2019 Net Margins were higher than the budgeted Net Margins of \$8,783,470. Higher Net Margins were primarily due to the rate discount provided by AECI to Sho-Me Power, higher than budgeted reimbursements to Sho-Me Power from AECI for maintenance on Primary Facilities, and a reduction in future anticipated income tax expense.

At the end of 2019, total assets on a consolidated basis were \$464 million and the consolidated equity ratio was solid at

45.76%. Approximately \$12 million of plant additions were capitalized on the consolidated books of Sho-Me Power and Sho-Me Technologies during the year.

The Rural Utilities Service (RUS) approved a \$48 million loan package for Sho-Me Power in 2018. Sho-Me took its first advance related to this loan for \$12.5 million in 2019. In late 2018, Sho-Me Power learned that RUS would gradually do away with its Cushion of Credit program. Because of this, RUS allowed borrowers to prepay debt without penalty using funds already invested in a Cushion of Credit account. Therefore, in 2019 Sho-Me prepaid approximately \$10 million in RUS related debt. All of the debt prepaid in 2019 had interest rates over 5%. This will allow for annual interest expense savings of approximately \$500,000 for several years. These savings will be passed on to Sho-Me's members and will help to facilitate low electric rates.

Overall, 2019 was another financially successful year for Sho-Me Power and Sho-Me Technologies as the companies continue to focus on providing safe, reliable, low cost power and communications services to the members they serve. As a result, at year-end 2019, Sho-Me Power is pleased to report that the financial performance met Sho-Me's indenture requirements.



FIVE YEAR FINANCIAL COMPARISON

CONSOLIDATED SUMMARY OF OPERATIONS	2015	2016	2017	2018	2019
Operating Revenue:					
Electric Revenue	\$ 175,877	\$ 181,634	\$ 176,868	\$ 190,613	\$ 185,134
Telecom Revenue	33,511	33,896	33,627	34,564	35,135
Total Operating Revenue	209,388	215,530	210,495	225,177	220,269
Operating Expenses:					
Purchased Power, Net of Pooling Credits	144,106	148,444	143,751	157,128	145,772
Other Operating Expenses	63,081	63,734	66,011	73,350	72,868
Total Operating Expenses	207,187	212,178	209,762	230,478	218,640
Operating Margins	2,201	3,352	733	(5,301)	1,629
Non-Operating Margins	2,569	2,663	2,025	2,095	2,080
Margins Before G&T Capital Credits	4,770	6,015	2,758	(3,206)	3,709
G&T Capital Credits	6,229	7,455	7,531	8,871	8,337
Margins Before Income Taxes	10,999	13,470	10,289	5,665	12,046
Income Tax Expense	6,431	6,884	(5,567)	179	(1,808)
Net Margins	\$ 4,568	\$ 6,586	\$ 15,856	\$ 5,486	\$ 13,854

CONSOLIDATED BALANCE SHEET SUMMARY

	2015	2016	2017	2018	2019
Assets					
Net Utility Plant	\$ 267,049	\$ 268,489	\$ 265,167	\$ 265,917	\$ 259,980
Investments	147,904	153,484	156,258	158,038	159,897
Other Assets	47,071	43,888	43,931	45,164	43,764
Total Assets	\$ 462,024	\$ 465,861	\$ 465,356	\$ 469,119	\$ 463,641
Liabilities and Equity					
Members' Equity	\$ 187,535	\$ 190,520	\$ 202,616	\$ 204,252	\$ 212,144
Long Term Debt	104,393	104,893	104,905	113,853	120,980
Other Liabilities	170,096	170,448	157,835	151,014	130,517
Total Liabilities and Equity	\$ 462,024	\$ 465,861	\$ 465,356	\$ 469,119	\$ 463,641

CONSOLIDATED CASH FLOWS SUMMARY

	2015	2016	2017	2018	2019
Net Cash					
Provided By Operating Activities	\$ 25,154	\$ 21,424	\$ 3,513	\$ 2,062	\$ 26,790
Used In Investing Activities	(14,671)	(15,856)	(11,068)	(12,510)	(6,874)
Provided By (Used In) Financing Activities	(10,359)	(5,601)	7,576	11,308	(18,067)
Net Increase (Decrease) In Cash and Cash Equivalents	124	(33)	21	860	1,849
Cash and Cash Equivalents At Beginning of Year	322	447	414	435	1,295
Cash and Cash Equivalents At End of Year	\$ 446	\$ 414	\$ 435	\$ 1,295	\$ 3,144

ADDITIONAL INFORMATION

	2015	2016	2017	2018	2019
Margins for Interest - MFI (Required 1.10)*	2.50	2.73	2.21	1.64	3.25
Debt Service Coverage - DSC (Required 1.00)*	2.16	2.89	3.14	1.96	3.75
Energy Sales - MWh					
Member REC Sales	2,830,845	2,836,588	2,718,070	3,066,455	2,948,336
Other	288,373	290,555	277,160	254,388	252,139
Total Energy Sales	3,119,218	3,127,143	2,995,230	3,320,843	3,200,475
Systems Peaks - MW					
Winter	822	768	797	874	783
Summer	650	658	680	659	643

Year Ended December 31st, 2019
(Dollars in thousands)

*Ratios are calculated per Sho-Me Power's Indenture requirements

WE WORK TO KEEP THE SYSTEM SAFE

"JUST" CULTURE THROUGH HUMAN PERFORMANCE PRINCIPLES

In an organization that values safety as highly as Sho-Me, it's no surprise the safety program has evolved to keep pace with new equipment and technologies. Company-wide Safety Performance Programs such as pre-job briefings, supervisory Job Safety Observations, and Task Hazard Analyses have become the norm in the daily operations of the company. There has also been a shift from a historical "Accident Investigation" program to an "Operating Experience & Incident Analysis Program." The change from a focus on blame to a focus on prevention encourages personnel at all levels of the organization to work together to prevent recurrence while recognizing a shared responsibility.

The shift from how did this individual fail to how did the organizational systems contribute to this result may take time to build, but understanding why mistakes occur to apply the lessons learned is essential for defining organizational values. Sho-Me's addition of a Safety Recognition Program to distinguish the contributions of employees to the safety of themselves and others through proactive and preventative measures is a further acknowledgment towards this shift to a Just Culture.

SECURITY

The last few years have seen an increase in substation copper thefts, which correlates to a greater risk for both cooperative employees and the general public. Intrusions of this sort result in an unsafe environment that may go unnoticed until

SHO-ME POWER WORKS FOR OUR MEMBERS KEEPING THE POWER SYSTEM AND EMPLOYEES SAFE FROM INTRUSION AND INJURY.

a site inspection or work is performed at the location, but new security installations will allow Sho-Me to better mitigate threats at substation sites. Installation of new security equipment is not only performed by security technicians, but requires a group effort with substation, meter and relay, and communications crews. The initial phase of security device deployment is set to be complete by end of year 2022, with Sho-Me's vast fiber optic network providing options for future expandability.

Sho-Me's security team coordinated with several of our member cooperatives in 2019 to aid with their physical security requirements. Several weeks of preparation and over a thousand man hours went into assisting Gasco Sage Electric Cooperative with their video, access control, burglar, and fire systems so they could manage their facilities during operating hours and leverage our dispatchers to respond to alarms after hours. Crawford Electric Cooperative's shop facility was equipped with access control and cameras. Security personnel also worked with Se-Ma-No Electric Cooperative to install lobby and entrance gate cameras for video management.

On a more behind-the-scenes level, 2019 saw the encouragement by Sho-Me Power toward the formation of a Cybersecurity Committee to communicate cyber-related information across all three cooperative tiers. AECl hosts a group featuring representation from participating distribution coops, all six regional G&Ts and our Statewide organization, Association of Missouri Electric Cooperatives. Sho-Me then hosts a follow-up meeting with its members. Not only does this offer our member cooperatives the chance to discuss cyber topics on a broad scale, but they also learn of things AECl is doing that could benefit them as well.

WE WORK TO SAVE YOU MONEY

Because Sho-Me Power maintains a dedication to provide safe, reliable, low-cost power, our staff researches a variety of avenues to find the most cost-effective ways to do business. From banking agreements that save money in interest to equipment investments that require less crew time in the field, it's often behind the scenes actions that leave the biggest impact.

FINANCE

Due to the enactment of the Agriculture Improvement Act of 2018, no additional deposits could be made into the Cushion of Credit (COC) program. COC funds were available for prepayment on debt without penalty until September 30, 2020; however, because an estimated \$2 billion was deposited into COC shortly before the bill was enacted, there was concern that the government would reevaluate the cost of prepayments and amend the bill. Sho-Me's Finance staff stepped in with a plan to prepay the Federal Financing Bank debt through the Rural Utilities Service (RUS) as early as possible, mitigating the risk and reducing interest expense while securing a savings of over \$1.5 million in prepayment penalties.

In June of 2019, Sho-Me closed on a \$48 million dollar loan from the RUS for future requirements. Sho-Me was able to pay off over \$10 million in RUS debt for the year and decreased the average rate of its long-term debt from 3.63% to 3.33%. Perhaps most important to our members, Sho-Me allocated \$9,513,133 in patronage capital to Members – the first time patronage was allocated in several years.

SHO-ME POWER HAS A LONG HISTORY OF FINDING CREATIVE WAYS OF BEING GOOD STEWARDS OF YOUR MONEY AND MAKING IT WORK FOR YOU.

OCR PROJECTS

In conjunction with an electronic control, Oil Circuit Reclosers (OCRs) protect the main power feeders leaving the substation as the first line of defense for our cooperative members. This control communicates with the Remote Terminal Unit located at the substation, which in turn gives our dispatchers information from the OCR status including the current flowing through each phase. Ethernet communication circuits carried over the Sho-Me fiber optic network allow our members to interrogate the OCR from their facility, helping them download the sequence of events and do off-site checks from a computer at their office. Troubleshooting problems before sending crews out to investigate not only provides valuable information, but also saves crew members time in the field, which helps keep rates low. Our Communication crews were able to add more than forty OCR circuits in 2019 and chose locations furthest from member cooperative facilities first to help our members monitor conditions in the outermost reaches of their systems.

WE WORK TO KEEP THE LIGHTS ON

BREAKER REPLACEMENTS

For over forty years, Sho-Me's design for substation protection has included a low voltage main breaker (LVM) in distribution substations. The LVM breaker provides high speed clearing of faults in the substation, arc flash protection for crews working on low voltage bays, and a backup for reclosers that trip due to faults on the distribution lines fed from the substation. It also reduces outage time for temporary faults in the substation compared to fuse protection. If the installed LVM exhibits poor reliability and does not open or close properly, the result could be increased outage time or severe damage to substation equipment, including the potential of a substation fire. There are also safety concerns with higher arc flash values for crews working on energized equipment, as well as higher maintenance costs and loss of productivity. Because older breakers had been exhibiting less-than-desirable reliability, Amendment 1 of the Construction Work Plan included replacement of these breakers at the rate of approximately ten breakers per year, resulting in fewer outage minutes for our members.

REMOTE BATTERY MONITORING

North American Electric Reliability Corporation (NERC) standards require Sho-Me to inspect and test substation battery banks in 161kV and 345kV Primary substations once every six months. Because this inspection schedule takes valuable time from Sho-Me substation crew personnel, remote battery monitoring appears to be an invaluable option. Installed in the substation, these remote monitors satisfy NERC inspection criteria. Crews would still perform a test of batteries on an 18-month

SHO-ME POWER AND SHO-ME TECHNOLOGIES WORK TOGETHER TO PROVIDE THE MOST ADVANCED POWER AND COMMUNICATIONS SYSTEMS.

interval, and the charging current balanced on each cell should help extend the life of the battery bank. In conjunction with AECL, Sho-Me installed one unit at the Marshfield #4 substation as a pilot project. After a period of successful testing, installation will be completed in up to 21 additional substations.

COMMUNICATIONS

With our ever-evolving dependency on technology, keeping our communications network running is an integral component to reliable service. Sho-Me's internal fiber optic network is powered by the Lentonix JungleMUX (JMUX) SONET Multiplexing Platform and configured in redundant optical rings for resiliency. These communication rings carry critical power as well as member data and voice traffic, all of which require a very accurate timing source. The JMUX equipment utilizes a Stratum 1 cesium beam clock located in the Network Operations Center (NOC), but a secondary timing source was deemed necessary for redundancy in the unlikely event of a failure of the primary source. With the assistance of our JMUX vendor, General Electric Grid Solutions, we integrated a secondary Stratum 1 timing source into all JMUX optical rings at our backup NOC in Seymour.

WE WORK TOWARD THE FUTURE

NERC COMPLIANT REGIONAL DISPATCH CENTER

The SERC Reliability Corporation (SERC), originally called the Southeastern Electric Reliability Council, was formed in 1970 as a voluntary association of members comprising electric industry reliability stakeholders in the Southeast. Today, as part of its delegated duties, SERC monitors 193 registered entities in the SERC Region for compliance with the NERC Reliability Standards. NERC is a not-for-profit international regulatory authority whose mission is to assure the effective and efficient reduction of risks to the reliability and security of the grid. The primary way NERC performs this mission is through the development and enforcement of electric Reliability Standards.

Back in 2017, an audit of applicable NERC Critical Infrastructure Protection (CIP) Standards resulted in Sho-Me being brought under the regulatory authority of many reliability standards that had not previously been applicable. In coordination with AECI, personnel from virtually every segment of Sho-Me Power have worked to develop and implement a plan to mitigate the effects of the changes in interpretation and regulatory scope. These new standards require things like background checks and cyber security training as well as an increase in physical and cyber security monitoring and alarms. They also include significant changes in security regarding cyber access and information protection.

In 2019, after a thorough options analysis, an operationally efficient and cost effective solution was reached for the initial cyber security requirements. Rather than bring the seven independent System Control and Data Acquisition (SCADA)

SHO-ME POWER WORKS TO EVALUATE THE BEST AND MOST EFFICIENT WAYS TO MANAGE YOUR TRANSMISSION SYSTEM.

systems maintained between AECI and the six G&Ts up to the NERC standards, we would utilize the extensive telecommunications infrastructure connecting all the entities to allow the G&Ts remote access to the already vetted AECI SCADA system. This would allow AECI to absorb many of the more burdensome requirements while also providing operational independence amongst the G&Ts when it came to switching and daily operations. This solution, referred to as Hosted Energy Management System (EMS), was eventually adopted by five of the six G&Ts.

Sho-Me meter and relay and communications crews worked with Sho-Me and AECI IT staff to make the required upgrades, provision the fully redundant fiber optic communication links, and perform the necessary testing to bring the system on-line. Additionally, after physical controls were updated for dispatch, a new computer system was installed allowing for direct access to the AECI SCADA system. In September, Sho-Me became the first G&T to bring the Hosted EMS solution fully on-line. Since then, dispatch utilizes the system on a regular basis to perform secure and reliable operations on the most critical parts of our power system.

Ultimately, while the new regulations will result in a more secure facility, they've also provided a glimpse into which direction our industry is heading. A shared partnership with AECI personnel toward this regulatory goal will result in the savings of hundreds of thousands of dollars year after year, and the expansion of our Headquarters will house a new Regional Dispatch Center designed with the future of the industry in mind.

2019 HIGHLIGHTS



MoDOT Move

With a new interchange set to be built along Interstate 44 for the City of Marshfield, Sho-Me Power needed to make a few changes to the recently completed line between Marshfield #2 and Marshfield #5 substations. The route chosen by the City led to some necessary structure raises and movements in order to obtain the proper clearance and make way for the road bed. Considerable engineering and planning were required before the Marshfield Line Crew performed the work, which was completed in a timely fashion.



Short Bend 15 kV Breaker

The approved 2015-2018 Construction Work Plan included a project to install a low voltage main breaker at the Short Bend substation near Salem, MO. Staff from Sho-Me Power and Intercounty Electric Cooperative collaborated on this addition, which provided an excellent opportunity to redesign the low voltage bay for future regulators or a capacitor bank. Short Bend is also connected by a radial 69kV line to the Salem #3 substation. The 161kV line is on the same structure, and substation construction will include provision for a quick connection of a mobile transformer to the 161kV line if the 69kV line is not available to Salem.



Crocker to Iberia Upgrade

All of Sho-Me's line crews are well-trained in the skilled processes of working on energized transmission lines. Our Cuba line crew put this training to work on the Crocker to Iberia line, which had several structures that were in need of attention, including both pole and crossarm replacement. Utilizing several different techniques to accomplish this hot work made the job more efficient and also eliminated the need to de-energize the line. In 2020, Sho-Me will host additional instruction on hot work provided by a trainer certified in all aspects of these unique processes.

Aerial Patrol

Sho-Me has over 1,800 miles of transmission line that require inspection on a regular basis. Because inspection is such an integral factor for reliable system operation, Sho-Me contracts with aerial inspection company Aerial Patrol, Inc. of North Little Rock, AR to perform these inspections three times per year. Data the pilot gathers via visual surveillance can include both damaged facilities and right-of-way encroachment. This information, along with the location of the concern, is passed on to Sho-Me Operations for on-site field inspection and repair.



Williamsville School Fiber Extension

This 8-mile underground build began on August 7, 2019 and took a little over a month to complete, crossing 1,560 feet of county roads, 12,270 feet of U.S. Department of Agriculture Forest Service right of way, and 30,205 feet of state highway right-of-way. The project crossed the Trail of Tears path and had to meet compliance guidelines for the National Forest Service, MoDot, and Wayne County. As a result of the fiber optic extension, MOREnet will be able to service the school with their network, and sister G&T M&A Electric will have improved network control of their substations.



Legislative Dinner

The third annual Legislative Appreciation Dinner was hosted by the Sho-Me Power member distribution cooperatives on February 4th, 2019 at O'Donoghue's Steaks and Sea Food in Jefferson City. The evening provided a relaxed opportunity for cooperative personnel to visit with legislators from across the system. Twenty legislators were in attendance, along with thirty-nine cooperative directors, managers, staff, and employees.



Keep In Touch

SHO-ME POWER ELECTRIC COOPERATIVE
301 West Jackson Street
PO Box D
Marshfield, MO 65706
417.859.2615

ShoMePower.com
ShoMeTech.com

