



MISSISSIPPI
PUBLIC UTILITIES STAFF

Charles Jim Beckett, Executive Director

Annual Report

Ending June 30, 2022

PUBLIC UTILITIES STAFF

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COMMUNICATIONS DIVISION

CHARLES JIM BECKETT
EXECUTIVE DIRECTOR

To: The Honorable Governor and Members of the
Legislature of the State of Mississippi
State Capitol
Jackson, Mississippi

Re: Mississippi Public Utilities Staff
2022 Fiscal Year Annual Report

The Mississippi Public Utilities Staff (Staff) submits this Annual Report to Governor Reeves and members of the Mississippi Legislature in compliance with Mississippi Code Ann. § 27-101-1. The Staff provides auditing, legal, and other technical assistance to the Mississippi Public Service Commission.

While a separate and independent agency, Staff works closely with the Mississippi Public Service Commission, and I would like to take this opportunity to thank the Chair of the Commission, Dane Maxwell, along with Commissioners Brent Bailey and Brandon Presley for their service to the ratepayers and utilities in Mississippi.

Respectfully submitted,


Charles Jim Beckett
Executive Director

COMPOSITION AND FUNCTIONS

The Legislature established the Public Utilities Staff in 1990 as a separate and independent agency to serve in an advisory and investigatory role in support of the Public Service Commission. The Staff is charged with representing “the broad interests of the state of Mississippi by balancing the respective concerns of residential, commercial, and industrial ratepayers; the state, its agencies and departments; and the public utilities.”

The Staff consists of the Executive Director and five divisions: Legal; Administrative Services; Water and Sewer; Electric, Gas and Communications; Economics and Planning. Additional information concerning the composition of, and services provided by the Staff, along with information related to each division, can be found at <http://www.mpus.ms.gov>.

UTILITY CASE LOAD

The Staff participates in all utility filings before the Public Service Commission. Staff reviews filings, conducts studies and makes written recommendations regarding all Commission proceedings affecting rates, service, and service areas of regulated public utilities in this state.

ELECTRIC

Two investor-owned electric utilities are subject to the Commission’s rate and service quality jurisdiction: Entergy Mississippi, LLC (“EML”), a subsidiary of Entergy Corporation, and Mississippi Power Company (“MPC”), a subsidiary of Southern Company. The 2022 Electric Utilities Summary reflecting the number of customers, average revenue per customer, and gross operating revenues, along with graphs comparing customer rates is provided as Attachment A to this report. The following is a digest of decisions by the Commission for the two rate regulated utilities, plus the approvals of certificates of public convenience and necessity for construction of electric generating and transmitting facilities which includes an increasing number of renewable projects:

ELECTRIC DIVISION DOCKET PROCEEDINGS

AUGUST 2021

2021-UA-108 Mississippi Power Company, Special Contract

Approved Special Contract between Mississippi Power (“MPC”) and Hardy Technologies, LLC to allow MPC to serve Hardy’s newly constructed lumber mill facility in Lumberton.

SEPTEMBER 2021

2014-UN-132 Entergy Mississippi, LLC, Ad Valorem Tax Adjustment Rider Schedule ATA-3

Approved annual ATA-3, allowing the Company to recover the difference between the ad valorem taxes paid and the amount recovered for taxes in retail rates during the prior calendar year.

2021-UN-134 Mississippi Power Company, Regulatory Tax Recovery

Approved annual regulatory tax recovery schedule concerning annual tax levied by Department of Revenue to fund Staff and Commission.

OCTOBER 2021

2021-UA-133 Entergy Mississippi, LLC, Resiliency Service to USACE and ERDC

Authorized Entergy to install, own and operate modular generators at the U.S. Army Corps of Engineers Engineer Research and Development Center in Vicksburg.

2021-UA-135 Entergy Mississippi, LLC, Cogeneration and Small Power Production (QF-20)

Approved filing of rate for qualifying cogeneration and small power production facilities.

2021-UA-150 Mississippi Power Company, Petition for Accounting Order

Approved petition to roll costs of repair for Hurricane's Zeta and Ida to be recovered in PEP-6.

DECEMBER 2021

2006-UN-511 Mississippi Power Company, System Restoration Rider

Approval of amendment Company's System Restoration Rider ("SRR") replenishing reserve and setting in place new methodology to \$75 million ceiling.

2021-UA-166 Entergy Mississippi, LLC, Nissan Special Contract

Approval of the second amendment to the agreement for electric service between Entergy & Nissan revising certain conditions.

2021-UA-81 Entergy Mississippi, LLC, Certificate of Public Convenience and Necessity

Approval of transmission projects in Franklin County to make reliability improvements for grid stability.

JANUARY 2022

2013-UN-178 Entergy Mississippi, LLC, Fuel Cost Recovery

Annual Energy Cost Recovery Rider Schedule to recover fuel costs for February 2022 through January 2023.

2014-UN-132 Entergy Mississippi, LLC, Power Management Rider

Annual Power Management Rider Schedule for February 2022 through January 2023 to recover annual fuel hedging costs, approved consulting costs, and carrying costs on annual fuel costs over or under recoveries.

2014-UN-132 Entergy Mississippi, LLC, Unit Power Cost

Unit Power Cost Recovery Rider Schedule for February 2022 through January 2023 to recover the costs of purchased wholesale baseload capacity in Arkansas.

2017-UA-189 Entergy Mississippi, LLC, MISO

Annual MISO Cost & Revenue Rider Schedule filing for billing periods of February 2022 through January 2023 to recover/refund its costs/revenues resulting from membership in MISO.

2017-UN-198 Entergy Mississippi, LLC, Grid Modernization

Recovery of Electric Grid Modernization and Rural Fiber Costs for billing periods of February 2022 through January 2023 to recover costs associated with expansion of fiber optic infrastructure in rural areas of MS in support of broadband expansion. Grid Resiliency program approved.

2018-UN-258 Entergy Mississippi, LLC, Restructuring Credit Rider

Annual Restructuring Credit Rider Schedule RC-1 (Revised) for billing periods of February 2022 through January 2023 to provide customer bill credits of \$27 million over six years (\$4.5 million per year), resulting from the Company's corporate restructuring.

2021-UN-177 Entergy Mississippi, LLC, Prepay Electric Service Option

Approved Schedule PES which allows EML customers that are eligible to sign up for a voluntary billing option. Billing options allows customer to prepay a certain amount

2021-UN-181 Mississippi Power Company, Fuel Cost Recovery and Energy Management Factor

Annual Fuel Cost Recovery (FCR) and Energy Cost Management (ECM) factor filing effective for billing periods of February 2022 through January 2023 to recover annual fuel and fuel hedging costs.

APRIL 2022

1992-UN-059 Mississippi Power Company, Environmental Compliance

Approval of Environmental Compliance Overview Plan to allow the Company to recover its costs of compliance.

MAY 2022

2022-UN-13 Entergy Mississippi, LLC, Street Lighting Schedule

Approved new program allowing municipalities to purchase existing street lighting facilities that are unmetered.

JUNE 2022

2018-UN-205 Entergy Mississippi, LLC, Formula Rate Plan

Formula Rate Plan Evaluation Report Filing for calendar year 2022 and 2021 Look Back. The stipulated revenue requirement for the 2021 Look Back was \$34.1 million. The stipulated revenue requirement for the 2022 test year was \$48.6 million leading to a \$5.90 increase for an average residential customer.

2019-UN-219 Mississippi Power Company, Capital Plan

Annual Capital Plan presenting the Company's generation, transmission, and distribution capital projects MPC plans to undertake for the upcoming year. The costs for the projects are included in the PEP rider filed on 3/15/2022.

2019-UN-219 Mississippi Power Company, PEP (Formula Rate Plan)

Performance Evaluation Plan (Formula Rate Plan) filing for calendar year 2022. The stipulated revenue requirement for 2022 was an \$18 million increase leading to a \$3.30 increase for an average residential customer. There was no 2021 Look Back revenue requirement because it fell within the formula band.

2020-UA-145 Entergy Mississippi, LLC, Nucor Steel-Jackson Contract

Approved application for 5th amendment to EML's special contract to provide electric service to Nucor-Steel's facilities in Jackson.

2022-UN-36 Mississippi Power Company, Ad Valorem Tax

Approval of ATA-3 which recovers or refunds any difference between property taxes included in the Company's base rates and those actually paid.

Fuel Audit Summary

On March 7, 2022, the Staff filed its summary and comments of the Staff's Certified Public Accountant review of the annual financial audit and management review to verify the fuel cost consumed in electric generating plants and purchased energy of electric utilities. The financial audits were performed by independent auditors selected by the Commission and confirmed that there were no material misstatements of allowable fuel and purchased energy expenditures during the audit period. On March 7, 2022, the Staff certified all the reports to the Legislature as required by statute.

Pending Litigation at the Federal Energy Regulatory Commission

Staff currently monitors FERC matters generally categorized as follows: (1) cases related to the rates paid by Entergy Mississippi to Entergy's subsidiary System Energy Resources, Inc. ("SERI"), (2) cases related to the Return on Equity allowed by FERC to SERI, Midcontinent ISO, and Mississippi Power Company, and (3) remaining litigation related to the "bandwidth" production cost rough equalization under the former Entergy System Agreement. On June 23, 2022, Entergy filed a comprehensive settlement between SERI and the Mississippi Public Service Commission that resolved 13 pending dockets. The settlement provides substantial benefits to Mississippi ratepayers including a \$235 million payment by SERI to Entergy Mississippi for the benefit of Mississippi ratepayers. In addition, the settlement establishes an ROE of 9.65% (the ROE for the other UPSA customers is currently 10.94%) which is subject to a moratorium until June 30, 2026. In addition, the settlement placed a cap on SERI's equity used in the UPSA at 52% equity (SERI's current capital structure is approximately 65% equity). Both the ROE and the capital structure provisions operate to reduce rates for Mississippi ratepayers. (These benefits of settlement are the primary benefits to Mississippi but are not a complete list of benefits.) On November 17, FERC accepted the settlement. The settled dockets are:

- **Dockets EL-17-41, EL18-142, and EL18-204 (SERI Return on Equity and Capital Structure)**: These cases address the return on equity ("ROE") and the SERI capital structure used in the Unit Power Supply Agreement ("UPSA"). The settlement resolves Mississippi's participation in these cases.
- **Grand Gulf Sale/Leaseback—Docket EL18-152**: The settlement resolves Mississippi's participation in this complaint which addressed the additional term for the lease of Grand Gulf and SERI's treatment of its uncertain tax position ("UTP") as to the tax treatment of the future decommissioning costs.
- **ADIT Associated with Tax Cut and Jobs Act—Docket No. ER18-1182**: The settlement resolves Mississippi's participation in this complaint which addressed the accumulated deferred income taxes ("ADIT") from the TCJA. The primary dispute related to the ADIT associated with the UTP.
- **Treatment of the SERI settlement with the IRS related to the UTP—Docket Nos. ER21-117, ER21-129, EL21-24, ER21-748, and EL21-46**: In the wake of Initial Decisions in ER18-1182 and EL18-152 that substantially vindicated the position of Mississippi and the other regulators, SERI settled the UTP with the IRS. As a result, SERI filed several new proceedings, and FERC initiated 2 new complaints. The settlement resolves Mississippi's participation in each of these proceedings.
- **Grand Gulf non-return formula elements (Docket No. EL20-72)**: The settlement resolves Mississippi's participation in this proceeding in which Mississippi and the other retail regulators jointly filed a new complaint against SERI raising many concerns with the UPSA.

- **Grand Gulf prudence complaint filed by the LPSC, APSC, and CNO—Docket No. EL21-56:** The settlement resolves Mississippi’s participation in a complaint filed by the LPSC, APSC, and CNO against Entergy and SERI alleging that SERI had imprudently operated and maintained Grand Gulf.
- **Formal Challenge of SERI’s annual UPSA rate redetermination—Docket No. ER22-958:** On February 28, 2022, Mississippi and the other retail regulators filed a formal challenge at FERC of SERI’s annual UPSA rate redetermination made in 2021. FERC has not acted on the formal challenge. However, the settlement resolves Mississippi’s participation in the proceeding.

The Staff continues to participate in the following active FERC proceedings:

- **Midcontinent ISO Transmission ROE—Docket Nos. EL14-12, EL15-45, and Related OMS ROE Working Group:** This case concerns the electric transmission return on equity collected through the Midcontinent ISO (MISO). As established through litigation in the early 2000s, FERC-jurisdictional electric transmission returns on equity (“ROE”) for transmission owners participating in the Midcontinent ISO (“MISO,” which now includes Entergy Mississippi) were generally set at a region-wide 12.38%. Under MISO’s pricing structure, Entergy Mississippi does not pay MISO rates for the right to use its owned facilities to provide service to its own retail loads; rather, it has that right by ownership, and the transmission component of bundled retail service to Entergy Mississippi’s retail ratepayers is therefore rate-regulated by the MPSC. The DC Circuit vacated FERC’s decision on August 9 and remanded the case for further proceeding at FERC. FERC has not yet acted on the remand. It is unclear what action FERC will take on remand. Possible actions include a request for additional briefing or possibly additional hearing procedures. Alternatively, FERC could issue a new order without further input from stakeholders. We expect further action from FERC in 2023.
- **SERI Pension filing—Docket No. ER22-24:** On October 1, 2021, SERI filed to modify the treatment of pensions in the UPSA. This filing changes the UPSA so that SERI updates the pension amount every year. The LPSC protested the filing. On November 26, 2021, FERC issued a letter notifying SERI that the filing was deficient and requiring a supplemental filing. SERI made supplemental filings on December 27, 2021 and January 14, 2022. Mississippi timely intervened on February 4, 2022. On March 15, 2022, FERC accepted the filing subject to refund and the outcome of settlement and hearing procedures. The proceeding is currently in settlement discussions at FERC.
- **Bandwidth proceeding— Docket No. EL22-6:** On October 29, 2021, the LPSC filed a complaint alleging that Entergy had failed to properly account for net operating losses (“NOLs”) in certain intercompany transactions. While the primary relief the LPSC sought related to transactions that would affect the bandwidth tariff calculations after Entergy Mississippi withdrew from the System Agreement, the LPSC did seek alternative relief that dated back to December 19, 2013, which could impact Mississippi ratepayers. Mississippi timely intervened in the proceeding on December 14, 2021. On August 9, 2022, FERC issued its order on the complaint and established hearing and settlement

procedures. The proceeding is currently in settlement discussions at FERC. At this time, it does not appear that the outcome of the proceeding will have any impact on Mississippi ratepayers.

- **Grand Gulf Depreciation Rates—Docket No. ER22 -736:** On December 28, 2021, SERI filed to revise the depreciation rates used for the Grand Gulf plant, including in the UPSA. (The depreciation rates are also relevant to Cooperative Energy’s 10% ownership share.) Mississippi and the other regulators filed a joint protest. In addition, Cooperative Energy protested the SERI filing. On February 28, 2022, FERC accepted the filing, subject to refund and the outcome of settlement and hearing procedures. The proceeding is currently in settlement discussions at FERC.
- **Annual SERI Pension Filing—Docket No. ER22-1782:** On April 29, 2022, SERI filed its annual update to the pension amount to be included in the UPSA. (See Docket No. ER22-24 above.) Mississippi intervened in this proceeding on May 6. The LPSC protested the filing on May 20. Because the filing is an informational filing, FERC has not acted on it. We do not expect further action on this filing until the ER22-24 filing is resolved and there is a final determination (1) whether SERI may modify the UPSA to annually update the pension number and (2) whether the methodology for calculating the pension number to include in the UPSA is just and reasonable.

GAS

The three largest investor-owned natural gas local distribution companies (“LDCs”) in the state, Atmos Energy Corporation, (“Atmos Energy”), CenterPoint Energy, Inc. (“CenterPoint”) and Spire Mississippi Inc. (“Spire”) all operate under formulary plans similar to those of the state’s investor-owned electric utilities. The 2022 Gas Utilities Summary reflecting number of customers, average bills, and net operating income is provided as Attachment B to this report. The following is a digest of decisions by the Commission for the rate regulated gas utilities:

Gas Division Docket Summaries

JULY 2021

2017-UN-148 Spire Mississippi, Inc., Weather Normalization Adjustment Rider

Granted Spire approval to implement a Weather Normalization Adjustment Rider (“WNA”) to promote stability and predictability in both Spire’s earnings and customer rates by adjusting customer billings to levels reflective of normal weather.

SEPTEMBER 2021

2012-UN-139 CenterPoint Energy

Review of Rate Regulation Adjustment Rider (RRA) which is the annual formula rate plan and the Initial Filing of Its Weather Normalization Rider (WNA)

2020-UN-176 CenterPoint Energy

Approved two major language changes to CenterPoint’s Rate Regulation Adjustment Rider.

2013-UN-214 CenterPoint Energy

Supplemental Growth Rider for 12 Months Ending December 31, 2020

2021-UA-55 Spire Mississippi, Inc.

Approved Energy Efficiency Portfolio Plan (“EEPP”) and cost recovery of demand-side management expenditures and investments through its Rate Stabilization and Adjustment (“RSA”) formula rate plan.

2021-UA-126 Spire Mississippi, Inc.

Approved certificate of public convenience and necessity (“CPCN”) to enlarge its certificated area in Lamar County and to construct, operate and maintain certain facilities.

OCTOBER 2021

2015-UN-049 Atmos Energy Corp.

System Integrity Rider and Review of Capital Budget for Fiscal Year 2022

2015-UN-049 Atmos Energy Corp.

System Integrity Rider Compliance Filing for Fiscal Year 2022

2005-UN-503 Atmos Energy Corp.

Stable/Rate Annual Evaluation which is the annual formula rate plan for the 12 Months Ending March 31, 2021 (SRA)

2014-UA-007 CenterPoint Energy

Approved CenterPoint’s final filing for the cost recovery mechanism for its energy efficiency program cost. Going forward will be recovered in RRA.

NOVEMBER 2021

2013-UN-234 Spire Mississippi Inc.

Notice of Intent to Extend and Amend its Supplemental Growth Rider (“SGR”). Spire allowed to use Allowed Return on SGR projects pursuant to its SRA rather than the 12% return in the original SGR filing.

JANUARY 2022

2015-UN-109 Spire Mississippi Inc.

Filing of Routine Changes in the Rate Stabilization Adjustment Rider (RSA) which is the annual formula rate plan for Spire.

APRIL 2022

2021-UA-182 CenterPoint Energy

Approved application to obtain new service area in Harrison County to serve existing need for gas service in the area.

MAY 2022

2022-UA-027 Spire Mississippi Inc.

Approved application for an Automated Meter Reading (“AMR”) system that Spire plans to install on all existing customers’ property to replace aging meters and cut cost on meter reading.

2022-UA-31 Atmos Energy Corp.

Approved application to expand certificated area in Madison County due to planned construction of the Expedition Point Subdivision.

JUNE 2022

2022-UA-25 Yalobusha Natural Gas District

Approved joint stipulation to sale and/or transfer Oakland/Yalobusha Natural Gas District to Yalobusha County and for a transfer of the accompanying Certificates of Public Convenience and Necessity.

PURCHASED GAS ADJUSTMENTS – The Staff monitors the purchased gas adjustments (“PGA”) of Atmos Energy and CenterPoint monthly, and Spire on a bi-monthly schedule. All natural gas purchases were verified against pipeline invoices and other supporting documentation to determine that they were in conformity with underlying procurement contracts and price indices reflecting current market pricing. Atmos Energy and CenterPoint both employed Commission-approved hedging programs to help reduce the volatility of natural gas purchase prices.

TELECOMMUNICATIONS

The Telecommunications Division continues to review and provide recommendations to the Public Service Commission regarding eligible telecommunications carriers (ETCs) and carriers providing regulated services throughout the state of Mississippi.

ELIGIBLE TELECOMMUNICATIONS CARRIERS (ETCs) – The Universal Service Fund (USF) is one fund with four programs - High Cost, Low Income, Rural Health Care and Schools & Libraries. Two of these programs, High Cost and Low Income, require carriers to be designated as eligible telecommunications carriers (ETCs) to receive funding. The Commission and Staff have the primary responsibility of designating ETCs in Mississippi, along with oversight responsibilities on an annual basis.

HIGH-COST SUPPORT – Mississippi remains one of the largest national beneficiaries of monies allocated from the federal Universal Service Fund High-Cost Support program. The purpose of the USF-High-Cost Support program is to provide funds for telecom carriers to deliver service to rural/underserved areas where the market alone cannot support the substantial cost of deploying network infrastructure and providing connectivity.

In 2022, Mississippi ETCs are to receive over \$154.12 million in High-Cost Universal Service funding. The year 2022 also marked the first full year of Rural Digital Opportunity Fund (RDOF) monthly disbursements to the twenty-three (23) RDOF ETCs certified by the Commission upon recommendation of the Staff. These ETCs are to receive a total of \$41.28 million in RDOF disbursements in 2022.

One of the main Telecommunication Division duties for 2022 was the compilation and analysis of USF mandated filings submitted by Mississippi ETCs demonstrating the use of awarded funds in accordance with program rules. The results of the compliance analyses by the Telecommunication Division, along with its recommendations were submitted to the Commission for its consideration as to the certification of each ETC to receive high-cost support for the 2023 program year.

LOW-COST/LIFELINE SUPPORT – The Low-Income program, commonly known as Lifeline, provides discounts that make local telephone service affordable to millions of low-income consumers. Lifeline provides discounts, currently \$5.25 per month for voice-only services or \$9.25 per month for bundled services, that make telephone service more affordable for millions of Americans. Consumers apply for the discounts through their telephone provider or USAC’s

National Verifier tool. Currently in Mississippi, consumers may qualify for the Lifeline program if they have a gross household income at or below 135% of the Federal Poverty Guidelines or participate in a qualifying federal aid program (such as SNAP, Medicaid, SSI, among others).

FILING COMMENTS WITH THE FCC – The Staff monitors events of concern with the FCC and assists the Commission in filing comments. Past comments filed include comments regarding the Connect America Fund (CAF) Order, call completion concerns, cramming, and Lifeline issues.

SERVING ON FEDERAL AND STATE COMMITTEES – Members of the Staff have served on various committees and subcommittees in different agencies to share and gain knowledge of the telecommunications’ changing environment. Staff service has included Vice-Chair on the Telecommunications Subcommittee and member-at-large on the State and National Action Plan (SNAP) Committee of the National Association of Regulatory Utility Commissioners (NARUC). In addition to NARUC participation, Staff has served on the Universal Service Federal-State Joint Board and Mississippi Cyber Initiative. These appointments and participation also are vital in the implementation of changes by the FCC and allows for the recognition of Mississippi’s involvement in national and state telecommunications issues.

WATER & SEWER

The Water and Sewer Division is responsible for the investigation of all water and sewer related filings with the Commission for initial certificates, supplemental certificates, facility certificates, sale and transfers, initial rates, and rate changes.

CURRENT NUMBER OF WATER & SEWER UTILITIES - The Mississippi Public Service Commission regulates 900 water and sewer utilities as follows:

Sewer Associations	44
Sewer Companies	81
Sewer Districts	37
Sewer Municipalities	37
Water Associations	491
Water Companies	28
Water Districts	43
Water Municipalities	139

FILINGS - During this reporting period, there were 17 filings seeking initial, supplemental, and facility certificates and sale and transfer filings. Of the 17 total filings, the specific breakdown by type of utility was as follows:

Sewer Associations	1
Sewer Companies	7
Sewer Districts	0

Sewer Municipalities	1
Water Associations	2
Water Companies	2
Water Districts	1
Water Municipalities	3

There were 12 rate filings. The filings by type of utility were as follows:

Sewer Companies	5
Sewer Municipalities	1
Water Companies	2
Water Municipalities	4

The Water and Sewer Division actively investigated all aspects of the 29 total filings made with the Commission. This investigation included: propounding data requests, reviewing engineering plans and specifications, reviewing reports and other documentation, conducting prehearing conferences, preparing pre-filed testimony, presenting testimony before the Commission at formal hearings and presenting recommendations to the Commission.

VIABILITY RECOMMENDATIONS - Pursuant to Miss. Code Ann. § 43-35-504, the Water and Sewer Division reviewed and analyzed 15 water block grant applications as well as made utility viability recommendations to the Mississippi Development Authority. In addition, recommendations were made to the Mississippi State Department of Health and to the Mississippi Department of Environmental Quality.

AUDITS - Annual audits of certain regulated sewer companies that are connected to regional utility authorities for wastewater treatment were performed by the Division to ensure that these sewer companies were assessing the correct monthly charges. The Division also determined the appropriate monthly charge to be assessed for the upcoming year.

INSPECTIONS - The Division continued to monitor utility systems and various construction projects throughout the reporting period.

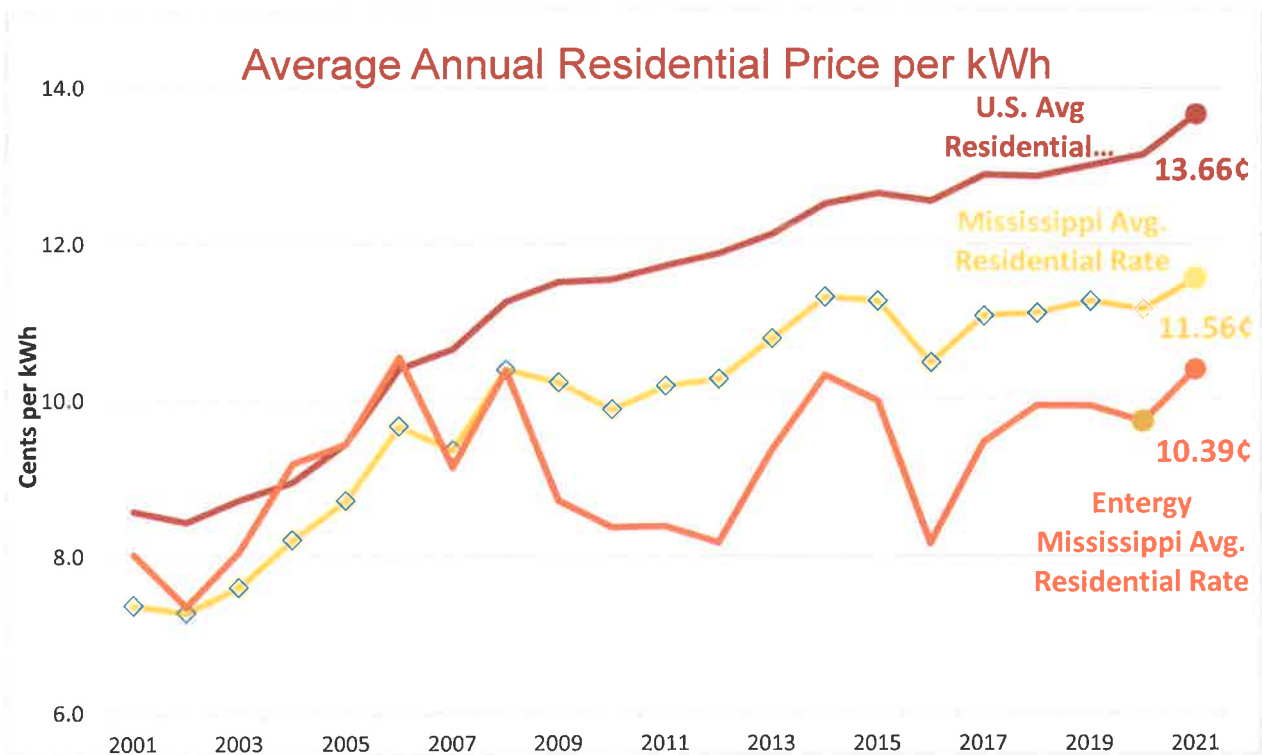
Average Annual Residential Price per kWh

Data Source is U.S. Energy Information Administration

Year	US Avg Residential Rate	MS Avg Residential Rate	EML Avg Residential Rate	MPCo Avg Residential Rate	USARR/I	MSARR/I	EMLARR/I	MPCoARR/I	GDP/IPD
2000	8.24	6.93	6.85	7.72	8.24	6.93	6.85	7.72	1
2001	8.58	7.37	8.03	7.91	8.40	7.22	7.86	7.75	1.02114
2002	8.44	7.28	7.36	8.29	8.13	7.01	7.09	7.99	1.038
2003	8.72	7.60	8.06	8.27	8.23	7.18	7.61	7.81	1.059
2004	8.95	8.21	9.19	8.42	8.23	7.55	8.45	7.74	1.0875
2005	9.45	8.71	9.44	9.15	8.43	7.77	8.42	8.16	1.121
2006	10.40	9.66	10.55	10.51	9.00	8.36	9.13	9.09	1.156
2007	10.65	9.36	9.14	11.28	8.96	7.88	7.69	9.49	1.188
2008	11.26	10.39	10.38	12.09	9.31	8.59	8.58	10.00	1.21
2009	11.51	10.22	8.71	13.04	9.45	8.39	7.15	10.70	1.218
2010	11.54	9.87	8.37	12.20	9.36	8.00	6.79	9.89	1.233
2011	11.72	10.17	8.38	11.75	9.32	8.08	6.66	9.34	1.258
2012	11.88	10.26	8.17	11.54	9.27	8.00	6.37	9.00	1.282
2013	12.13	10.78	9.36	12.90	9.30	8.27	7.18	9.89	1.304
2014	12.52	11.32	10.32	14.10	9.42	8.52	7.77	10.61	1.329
2015	12.65	11.27	9.99	9.38	9.43	8.40	7.44	6.99	1.342
2016	12.55	10.47	8.16	12.15	9.26	7.73	6.02	8.96	1.355
2017	12.89	11.08	9.46	12.59	9.33	8.02	6.85	9.12	1.381
2018	12.87	11.12	9.93	13.17	9.10	7.86	7.02	9.31	1.414
2019	13.01	11.27	9.93	13.55	9.07	7.86	6.92	9.45	1.434
2020	13.15	11.17	9.73	12.91	9.02	7.66	6.67	8.86	1.458
2021	13.66	11.56	10.39	13.67	8.96	7.59	6.82	8.97	1.524

*2021 Preliminary Numbers as of 12/19/2022

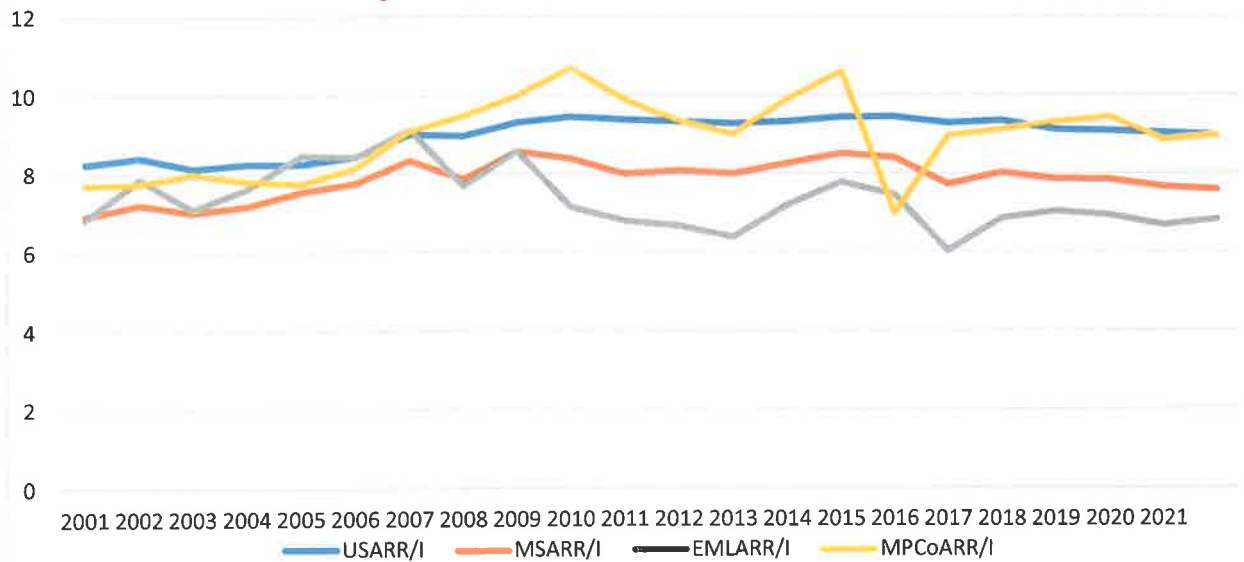
Data pulled 12/19/2022 from EIA Electric Sales, Revenue, Average Price, Table 6, Relevant Years



GDPIPD Indexed to 2000 range 2000 - X
<https://fred.stlouisfed.org/series/USAGDPDEFAISMEI>

2017		100	138.095	1.381
2017	102.9209			
2000	74.52906			
2018		100	141.4148	1.414
2018	105.3952			
2000	74.52906			
2019		100	143.9517	1.440
2019	107.2859			
2000	74.52906			
2020		100	145.8304	1.458
2020	108.686			
2000	74.52906			
2021		100	152.3806	1.524
2021	113.5678			
2000	74.52906			

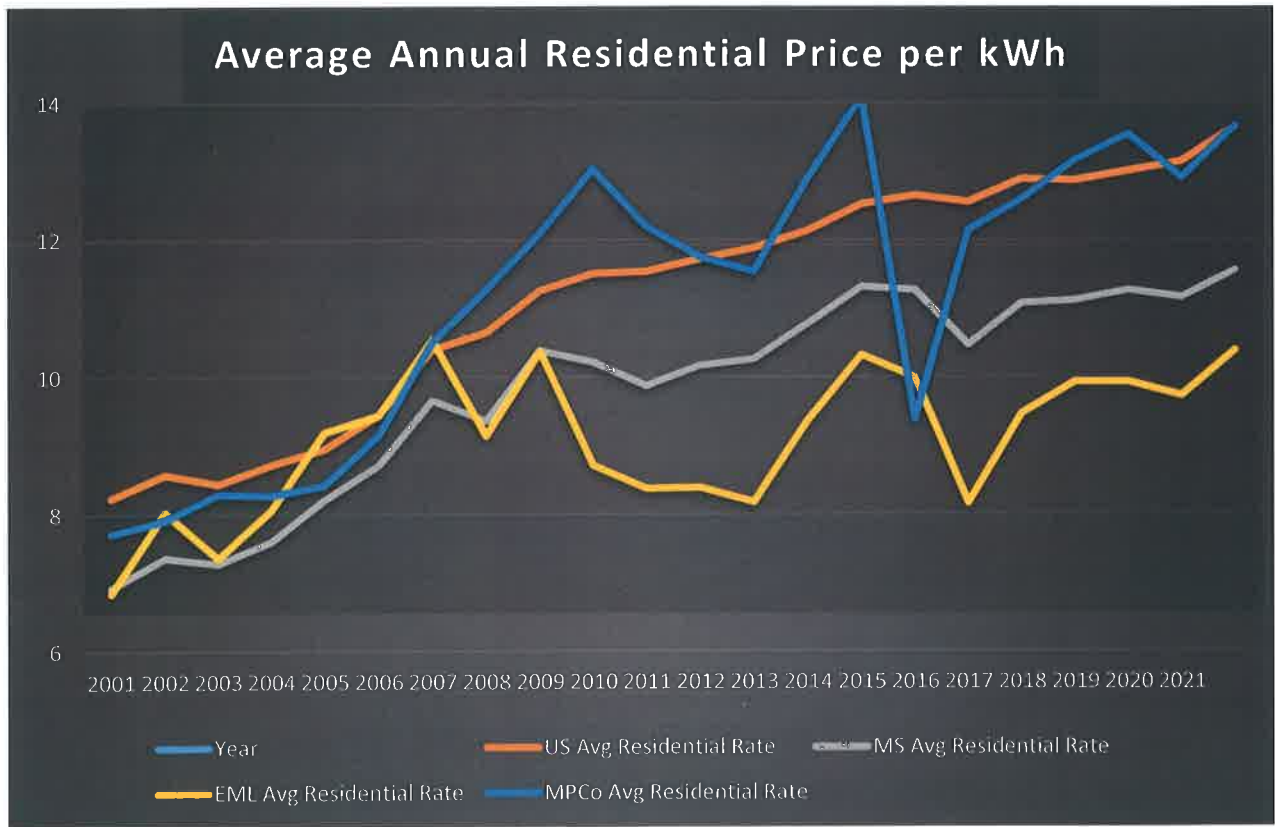
Average Annual Residential Adjusted Inflation



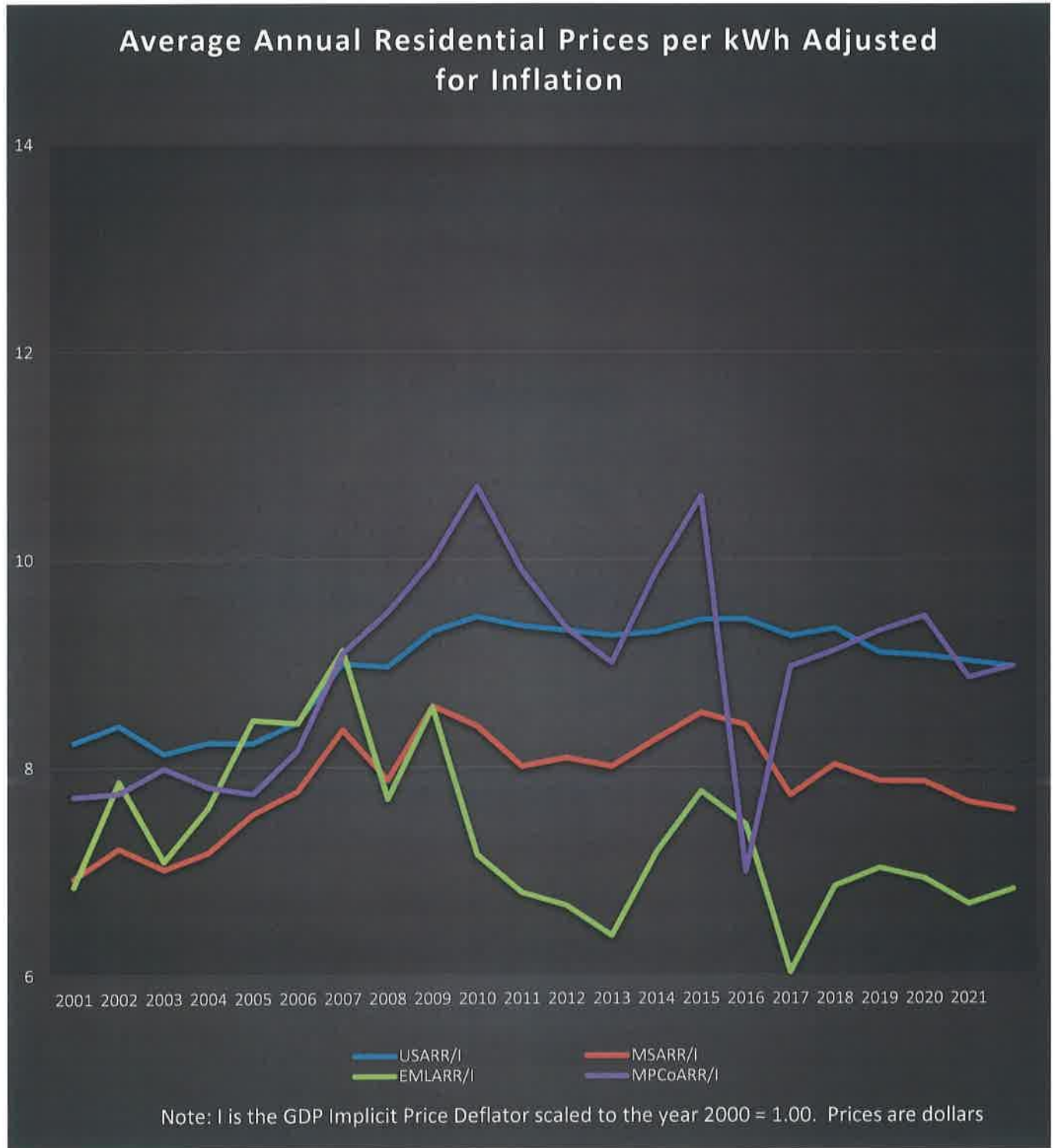
Average Annual Residential Price per kWh



Nominal Price



Inflation Adjusted



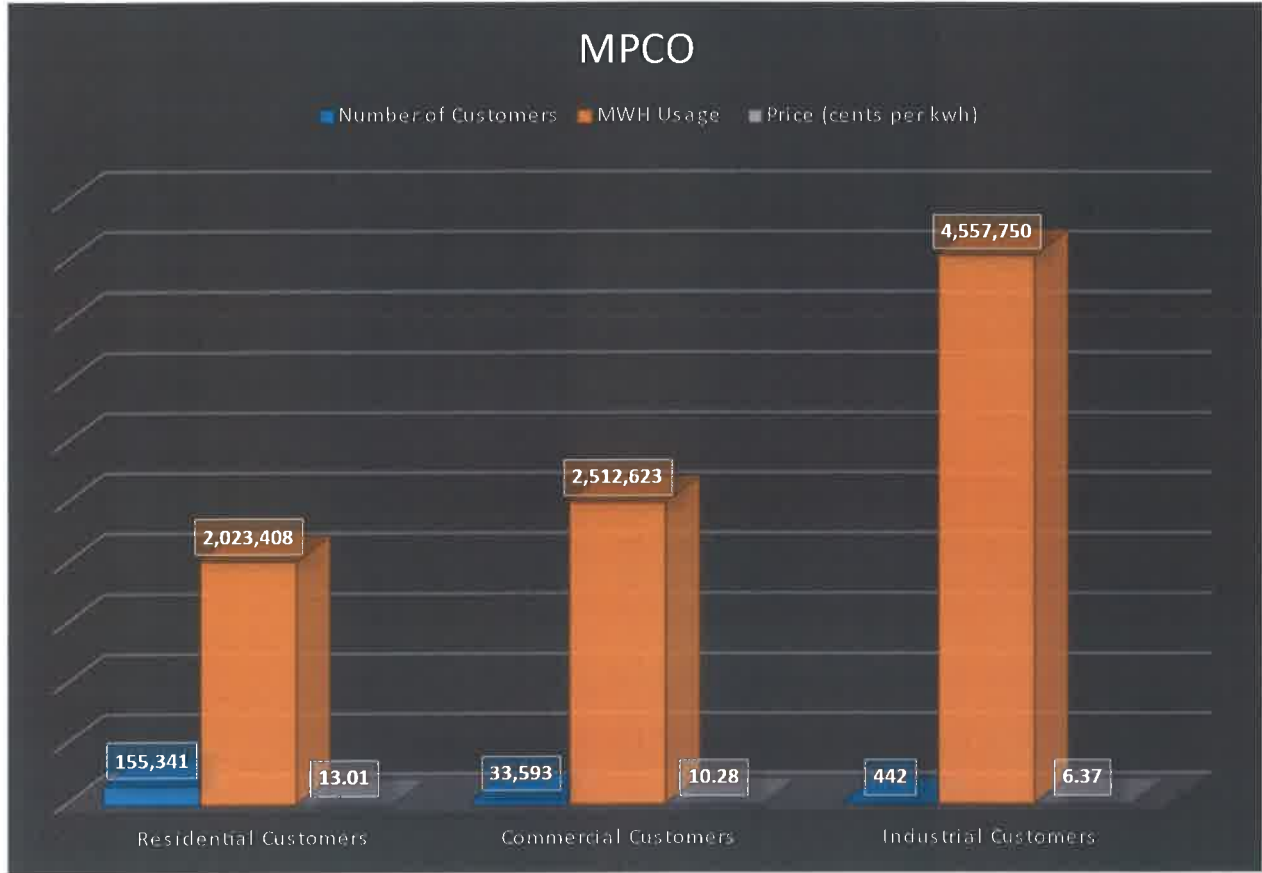
MPCo



MPCo				
	Residential	Commercial	Industrial	Total
2015	13.01	10.12	6.41	8.87
2016	12.68	9.81	6.37	8.71
2017	13.24	10.32	6.63	9.10
2018	12.92	10.21	6.52	8.97
2019	13.40	10.56	6.29	9.00
2020	13.01	10.28	6.37	8.99
2021	13.67	11.11	6.66	9.46



	Entergy			
	Residential	Commercial	Industrial	Total
2015	9.99	9.48	7.17	9.34
2016	8.16	7.65	5.37	7.48
2017	9.46	8.84	6.25	8.62
2018	9.93	9.49	6.84	9.20
2019	9.93	9.46	6.73	9.18
2020	9.73	9.24	6.19	8.92
2021	10.39	9.96	6.56	9.53



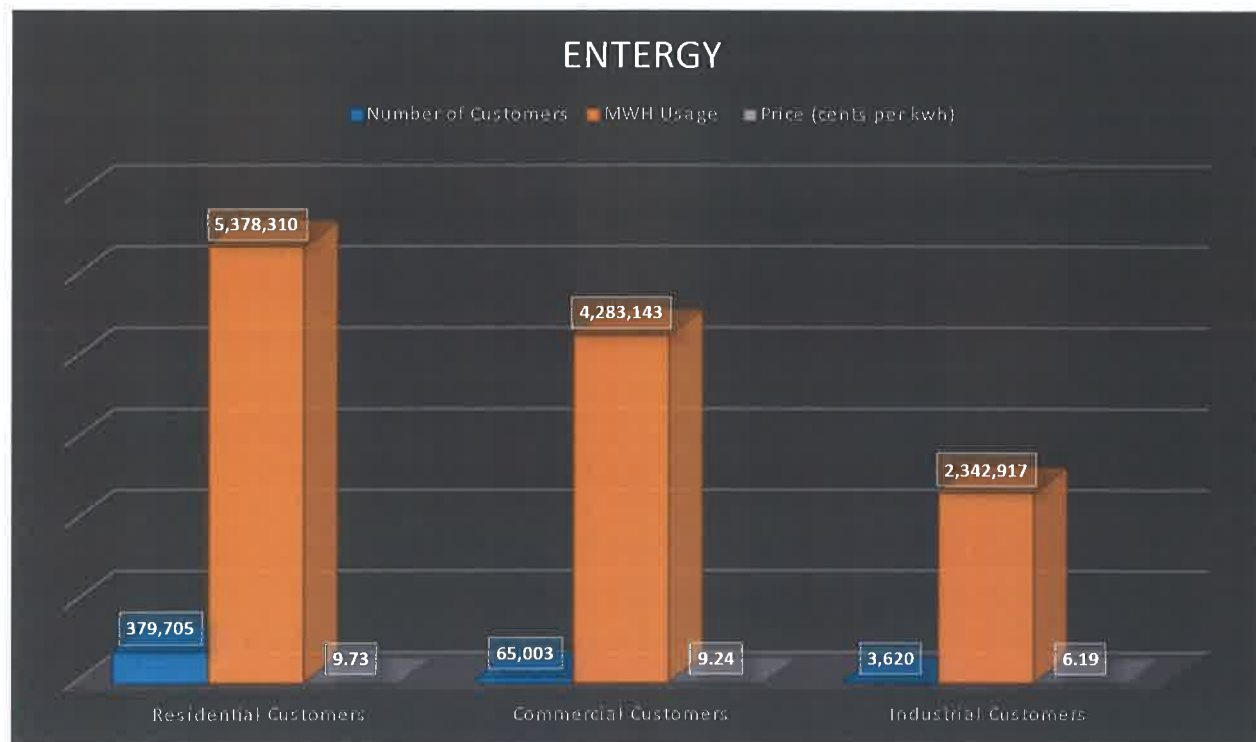
2020

	Residential Customers	Commercial Customers	Industrial Customers
Number of Customers	155,341	33,593	442
MWH Usage	2,023,408	2,512,623	4,557,750
Price (cents per kwh)	13.01	10.28	6.37

MPCo

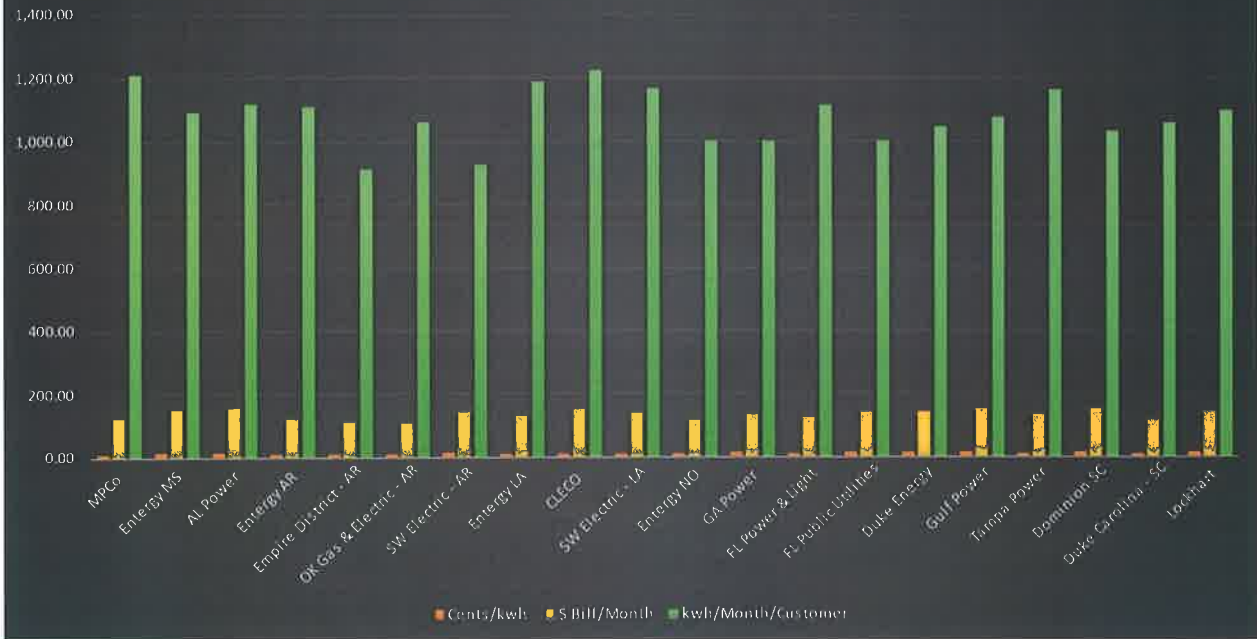
2021

	Residential Customers	Commercial Customers	Industrial Customers
Number of Customers	156,281	33,939	440
MWH Usage	2,046,922	2,592,731	4,614,726
Price (cents per kwh)	13.67	11.11	6.66



		Entergy MS		
2020		Residential Customers	Commercial Customers	Industrial Customers
Number of Customers		379,705	65,003	3,620
MWH Usage		5,378,310	4,283,143	2,342,917
Price (cents per kwh)		9.73	9.24	6.19
2021		Residential Customers	Commercial Customers	Industrial Customers
Number of Customers		383,468	71,513	4,006
MWH Usage		5,568,055	4,879,217	2,297,663
Price (cents per kwh)		10.39	9.96	6.56

Monthly Residential Electricity Bills for MPCo and Entergy and Comparison Utilities - 2021



	Cents/kwh	\$ Bill/Month	kwh/Month/Customer
MPCo	10.39	125.66	1,210
Entergy MS	13.67	149.15	1,091
AL Power	14.04	157.04	1,119
Entergy AR	10.96	121.50	1,109
Empire District - AR	12.43	113.50	913
OK Gas & Electric - AR	10.13	107.51	1,061
SW Electric - AR	15.43	142.60	924
Entergy LA	10.89	129.38	1,188
CLECO	12.41	152.13	1,226
SW Electric - LA	11.70	136.51	1,167
Entergy NO	11.70	117.01	1,000
GA Power	13.22	132.60	1,003
FL Power & Light	11.23	125.35	1,116
FL Public Utilities	14.12	141.21	1,000
Duke Energy	13.69	143.13	1,045
Gulf Power	13.90	149.37	1,074
Tampa Power	11.63	135.13	1,162
Dominion SC	14.66	151.35	1,032
Duke Carolina - SC	11.14	118.06	1,060
Lockhart	13.01	142.74	1,097

2021 Utility Bundled Sales to Ultimate Customers- Residential

Entity	State	Ownership	Customers (Count)	Sales (Megawatt hours)	Revenues (Thousands Dollars)	Average Price (cents/kWh)	Sales in kWh - Annual	Sales in kWh - Monthly Avg	Cust kWh Usage per month	Average Price in \$/cents	Average Bill
Entergy Mississippi LLC	MS	Investor Owned	383,468	5,568,055	578,258.5	10.39	5,568,055,000	464,004,583	1,210	0.1039	125.66
Mississippi Power Co	MS	Investor Owned	156,281	2,046,922	279,712.0	13.67	2,046,922,000	170,576,833	1,091	0.1367	149.15
Alabama Power Co	AL	Investor Owned	1,301,017	17,466,982	2,451,698.0	14.04	17,466,982,000	1,455,581,833	1,119	0.1404	157.04
Entergy Arkansas LLC	AR	Investor Owned	605,469	8,054,133	882,770.7	10.96	8,054,133,000	671,177,750	1,109	0.1096	121.50
Empire District Electric Co	AR	Investor Owned	4,317	47,286	5,880.0	12.43	47,286,000	3,940,500	913	0.1243	113.50
Oklahoma Gas & Electric Co	AR	Investor Owned	57,256	729,058	73,866.0	10.13	729,058,000	60,754,833	1,061	0.1013	107.51
Southwestern Electric Power Co	AR	Investor Owned	104,853	1,163,090	179,427.8	15.43	1,163,090,000	96,924,167	924	0.1543	142.60
Entergy Louisiana LLC	LA	Investor Owned	953,368	13,587,668	1,480,134.7	10.89	13,587,668,000	1,132,305,667	1,188	0.1089	129.38
Cleco Power LLC	LA	Investor Owned	248,381	3,653,529	453,439.0	12.41	3,653,529,000	304,460,750	1,226	0.1241	152.13
Southwestern Electric Power Co	LA	Investor Owned	206,189	2,886,823	337,768.6	11.70	2,886,823,000	240,568,583	1,167	0.1170	136.51
Entergy New Orleans, LLC	LA	Investor Owned	188,222	2,258,307	264,291.1	11.70	2,258,307,000	188,192,250	1,000	0.1170	117.01
Georgia Power Co	GA	Investor Owned	2,315,910	27,867,774	3,684,951.4	13.22	27,867,774,000	2,322,314,500	1,003	0.1322	132.60
Florida Power & Light Co	FL	Investor Owned	4,618,099	61,845,981	6,946,551.0	11.23	61,845,981,000	5,153,831,750	1,116	0.1123	125.35
Florida Public Utilities Co	FL	Investor Owned	25,347	304,210	42,951.0	14.12	304,210,000	25,350,833	1,000	0.1412	141.21
Duke Energy Florida, LLC	FL	Investor Owned	1,689,516	21,194,790	2,901,902.6	13.69	21,194,790,000	1,766,232,500	1,045	0.1369	143.13
Gulf Power Co	FL	Investor Owned	418,852	5,399,907	750,755.0	13.90	5,399,907,000	449,992,250	1,074	0.1390	149.37
Tampa Electric Co	FL	Investor Owned	713,135	9,940,945	1,156,358.2	11.63	9,940,945,000	828,412,083	1,162	0.1163	135.13
Dominion Energy South Carolina, Inc	SC	Investor Owned	664,550	8,232,409	1,206,976.0	14.66	8,232,409,000	686,034,083	1,032	0.1466	151.35
Duke Energy Carolinas, LLC	SC	Investor Owned	530,414	6,745,701	751,442.3	11.14	6,745,701,000	562,141,750	1,060	0.1114	118.06
Lockhart Power Co	SC	Investor Owned	4,898	64,467	8,389.9	13.01	64,467,000	5,372,250	1,097	0.1301	142.74

GAS UTILITIES SUMMARY
(SOURCE: 2021 COMPANY ANNUAL REPORTS)

As of December 31, 2021				
Number of companies reporting: 6				
	<u>Atmos</u>	<u>CenterPoint</u>	<u>Spire</u>	<u>TOTALS</u>
Plant (Intrastate Only)				
Plant in Service	1,009,989,553	383,681,849	75,512,020	1,469,183,422
Construction Work in Progress	23,303,814	12,057,389	6,159,474	41,520,677
Plant Acquisition Adjustment	9,085,319	0	0	9,085,319
Plant Held for Future Use	0	0	0	0
Less:				0
Accumulated Depreciation & Amortization	(180,068,258)	(107,378,456)	(29,656,295)	(317,103,009)
NET UTILITY PLANT IN SERVICE	862,310,428	288,360,782	52,015,199	1,202,686,409
Revenues and Expenses (Intrastate Only)				
Residential Revenues	167,862,362	66,778,219	7,128,318	241,768,899
Commercial Revenues	67,547,369	31,990,589	7,107,543	106,645,501
Industrial Revenues	27,861,770	756,973	7,398,314	36,017,057
Other Public Authorities Revenue	23,472,209	0	0	23,472,209
Transportation of Gas to Others	3,979,960	5,937,822	0	9,917,782
Other Revenues	1,483,086	2,570,021	190,839	4,243,946
Total Operating Revenues	292,206,756	108,033,624	21,825,014	422,065,394
Operating Expenses	178,340,183	73,126,179	16,963,463	268,429,825
Depreciation and Amortization Expenses	25,324,909	11,753,964	1,163,699	38,242,572
Income Taxes (Less Deferred Taxes)	9,466,163	1,902,905	745,553	12,114,621
Other Taxes	25,086,364	7,912,178	1,096,949	34,095,491
Total Operating Revenue Deductions	238,217,619	94,695,226	19,969,663	352,882,508
Net Operating Income	53,989,137	13,338,398	1,855,350	69,182,885
Other Income	1,785,536	741,445	504,055	3,031,036
Other Deductions	(15,478,560)	(4,584,190)	(135,929)	(20,198,679)
NET INCOME	40,296,113	9,495,653	2,223,477	52,015,243
Number of Customers (Intrastate Only)				
Year-End Average:				
Residential	229,671	120,232	15,410	365,313
Commercial	19,506	12,766	2,852	35,124
Industrial	290	15	32	337
Others	2,456	0	0	2,456
Total Number of Customers	251,923	133,013	18,294	403,230
Customer Usage - MCF (Intrastate Only)				
Residential	12,720,873	5,677,763	692,564	19,091,200
Commercial	6,116,716	3,475,646	1,114,310	10,706,672
Industrial	5,018,090	0	979,418	5,997,508
Others	2,920,501	0	0	2,920,501
Other Statistics (Intrastate Only)				
Average Annual Residential Use (MCF)	55.39	47.22	44.94	52.26
Average Monthly Residential Use (MCF)	4.62	3.94	3.75	4.35
Average Residential Cost per MCF (\$)	13.20	11.76	10.29	12.66
Average Residential Monthly Bill	60.91	46.28	38.55	55.15
Gross Plant Investment per Customer	4,137.69	2,975.19	4,464.39	3,769.04

MISSISSIPPI PUBLIC UTILITIES STAFF
 COMBINED STATEMENTS OF RECEIPTS AND DISBURSEMENTS
 JULY 1, 2021- JUNE 30, 2022

DISBURSEMENTS:

Salaries and Fringe Benefits	\$ 1,958,244	
Travel	\$ 23,748	
Contractual Services	\$ 126,462	
Commodities	\$ 20,274	
TOTAL OPERATING EXPENSES		\$ 2,128,728
Transfers	\$ 215,742	
TOTAL DISBURSEMENTS		\$ 2,344,470
Receipts	\$ 0	
GENERAL FUND APPROPRIATION		\$ 2,095,234
Grants	\$ 249,236	
Miscellaneous Receipts	\$ 0	
TOTAL RECEIPTS		\$ 2,344,470