Exhibit No.:

Issues: Cost of Service, Revenue Allocation, and Rate Design Witness: Jessica A. York Type of Exhibit: Direct/Rebuttal Testimony Sponsoring Party: Missouri Industrial Energy Consumers Case Nos.: WR-2024-0320 / SR-2024-0321 Date Testimony Prepared: December 20, 2024

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of Missouri-American Water Company's Request for Authority to Implement a General Rate Increase for Water and Sewer Service Provided in Missouri Service Areas

Case Nos. WR-2024-0320 & SR-2024-0321

Direct/Rebuttal Testimony and Schedules of

Jessica A. York

on Cost of Service, Revenue Allocation and Rate Design

On behalf of

Missouri Industrial Energy Consumers

December 20, 2024



Project 11653

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

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Case Nos. WR-2024-0320 & SR-2024-0321

STATE OF MISSOURI

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Affidavit of Jessica A. York

Jessica A. York, being first duly sworn, on her oath states:

1. My name is Jessica A. York. I am a consultant with Brubaker & Associates, Inc., having its principal place of business at 16690 Swingley Ridge Road, Suite 140, Chesterfield, Missouri 63017. We have been retained by the Missouri Industrial Energy Consumers in this proceeding on their behalf.

2. Attached hereto and made a part hereof for all purposes are my Direct/Rebuttal Testimony and Schedules which were prepared in written form for introduction into evidence in Missouri Public Service Commission Case Nos. WR-2024-0320 and SR-2024-0321.

3. I hereby swear and affirm that the testimony and schedules are true and correct and that they show the matters and things that they purport to show.

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Subscribed and sworn to before me this 20th day of December, 2024.

ADRIENNE JEAN NAVARRO Notary Public - Notary Seal STATE OF MISSOURI Jefferson County My Commission Expires: Mar. 22, 2025 Commission # 21989987

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Case Nos. WR-2024-0320 & SR-2024-0321

Direct/Rebuttal Testimony of Jessica A. York

1 Q PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

- 2 A Jessica A. York. My business address is 16690 Swingley Ridge Road, Suite 140,
- 3 Chesterfield, MO 63017.

4 Q WHAT IS YOUR OCCUPATION?

- 5 A I am a consultant in the field of public utility regulation and a Principal with the firm of
- 6 Brubaker & Associates, Inc. ("BAI"), energy, economic and regulatory consultants.

7 Q PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE.

8 A This information is included in Appendix A to this testimony.

9 Q ON WHOSE BEHALF ARE YOU APPEARING IN THIS PROCEEDING?

10 A This testimony is presented on behalf of the Missouri Industrial Energy 11 Consumers ("MIEC"), a non-profit corporation that represents the interests of large 12 consumers in Missouri rate matters. The MIEC represents the interests of companies 13 purchasing substantial amounts of water from Missouri-American Water 14 Company ("MAWC" or "Company").

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I. INTRODUCTION AND SUMMARY

2 Q WHAT IS THE PURPOSE OF YOUR TESTIMONY?

- 3 A I will address the Company's water Class Cost of Service Study ("CCOSS") for
- 4 St. Louis County, as well as the Company's proposed revenue apportionment and rate
- 5 design for this district. I also respond to the Company's proposal for continued
- 6 movement toward Consolidated Tariff Pricing ("CTP"). Further, I will address the
- 7 Company's proposal to implement a Revenue Stabilization Mechanism ("RSM").
- 8 Note that this testimony pertains to St. Louis County only, even if I do not
- 9 specifically reference St. Louis County.
- 10 My silence regarding any position taken by MAWC in its Direct Testimony or
- 11 other filings in this proceeding does not indicate my tacit endorsement of that position.

12 Q PLEASE SUMMARIZE YOUR RECOMMENDATIONS AND CONCLUSIONS.

- 13 A My findings and recommendations are as follows:
- I recommend the Missouri Public Service Commission ("MPSC" or "Commission")
 reject MAWC's proposed revenue spread for St. Louis County, as it is based on continued movement toward CTP, as well as an inaccurate water CCOSS model.
- I recommend the Commission reject MAWC's proposal to continue consolidating rates for customers located inside and outside of St. Louis County. CTP violates cost-causation principles, could erode system efficiency, and may reduce the incentive for MAWC to perform due diligence before acquiring additional water systems. In addition, CTP ignores the economies of scale associated with serving customers in a relatively large, condensed district as compared to serving smaller numbers of customers in geographically dispersed locations.
- The Company's water CCOSS for St. Louis County relies on the Base-Extra Capacity method for cost allocation. I generally agree with the use of the Base-Extra Capacity approach, as this is a widely accepted method within the water industry for functionalizing, classifying, and allocating the Company's water cost of service across customer classes. However, the Company's water CCOSS is inaccurate and should not be relied upon to guide revenue apportionment in this case.

- There are deficiencies in the Company's water CCOSS which makes the results
 inaccurate and unreliable. The deficiencies are summarized below and discussed
 in greater detail in this testimony.
- Failure to allocate any Source of Supply or Water Treatment costs to the Public
 Fire service class.
- 6 o Inaccurate allocation of purchased power expenses.
- 7 o Unsupported Rate J class distribution multiplier.
- The system load factors used by the Company to assign costs to the base and extra-capacity demand categories are inconsistent with the load factors indicated by the customer class peaking factors, and inconsistent with the methodology described in the American Water Works Association's ("AWWA")
 Manual M1 ("AWWA Manual M1").
- I recommend that 86.3% of depreciation expense and plant investment in the category of mains sized 10-inches to 16-inches be assigned to the Distribution functional cost category instead of Transmission, consistent with the classification of mains in MAWC's annual reports.
- Based on my corrections to MAWC's CCOSS, and the rejection of CTP, I recommend a revenue spread where no class receives an increase greater than 1.25x the district average.
- If my corrections to the MAWC's CCOSS are not adopted, I continue to recommend that no class receive a rate increase greater than 1.25x the district average.
- The Company's proposed RSM should be rejected. The Company has not shown that it has been unable to earn its authorized Return on Equity ("ROE") under traditional rate mechanisms. Further, the RSM would reduce the bill savings that customers may expect to achieve through conservation efforts.
- The Company proposes to implement a production cost tracker, if the RSM is not approved as proposed. I recommend the Company's proposed production cost tracker be rejected.

1 II. MAWC'S PROPOSED REVENUE APPORTIONMENT

2 Q HOW DO THE RESULTS OF MAWC'S CCOSS MODELS COMPARE TO ITS 3 PROPOSED SPREAD OF THE CLAIMED REVENUE DEFICIENCY ACROSS

4 CUSTOMER CLASSES?

5 A Table JAY-1 below compares MAWC's CCOSS results to its proposed revenue 6 apportionment by customer class and district.

			TABLE J	AY-1				
	MAWC's CCOSS vs. Proposed Revenue Spread							
		Current	Increase to	o Reach CC		MAWC Prop	osed Incre	ase ²
Line	Customer Class	Revenue ¹	Amount	Amount Percent Index ³			Percent	Index ³
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
	St. Louis County							
1	Residential	\$219,196,203	\$ 103,214,697	47.1%	1.11	\$102,303,614	46.7%	1.03
2	Non-Residential	68,531,934	12,784,517	18.7%	0.44	28,497,902	41.6%	0.92
3	Rate J	11,296,485	7,898,700	69.9%	1.64	6,183,424	54.7%	1.21
4	Rate B	4,931,008	2,185,055	44.3%	1.04	2,406,715	48.8%	1.08
5	Rate P	4,684,084	4,177,716	89.2%	2.09	307,721	6.6%	0.14
6	Private Fire	4,998,343	3,351,589	67.1%	1.57	2,644,649	52.9%	1.17
7	Total	\$313,638,057	\$133,612,274	42.6%	1.00	\$142,344,025	45.4%	1.00
8	Proposed Increase	e More / (Less) that	n CCOSS Increase	9		\$ 8,731,751	6.5%	
	Other MO							
9	Residential	\$ 68,796,681	\$ 37,626,396	54.7%	1.16	\$ 29,517,175	42.9%	1.08
10	Non-Residential	30,997,236	5,690,798	18.4%	0.39	10,707,712	34.5%	0.87
11	Rate J	10,574,416	3,190,461	30.2%	0.64	3,193,245	30.2%	0.76
12	Rate B	4,406,843	2,411,072	54.7%	1.16	2,189,493	49.7%	1.25
13	Rate P	1,091,501	2,881,750	264.0%	5.60	191,616	17.6%	0.44
14	Private Fire	1,926,258	3,776,217	196.0%	4.15	1,045,705	54.3%	1.37
15	Total	\$117,792,935	\$ 55,576,694	47.2%	1.00	\$ 46,844,946	39.8%	1.00
16	Proposed Increase	e More / (Less) that	n CCOSS Increase	9		\$ (8,731,748)	-15.7%	
17	Total Water	\$431,430,992	\$ 189,188,968	43.9%		\$ 189,188,971	43.9%	
Sour	ces							
1	MAWC's CCOSS mo	odels Schedules N	1\\/M_1 and M\\/M_	2				
2				۷.				
3	CAS 11 and CAS 12							
5	Index relative to distr	rict average increas	se.					

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As shown in the table above, MAWC's proposed revenue apportionment does not follow the results of its CCOSS models. The Company proposes to shift about \$8.7 million to St. Louis County water customers from customers outside of St. Louis County, to continue moving toward CTP. As a result, St. Louis County Non-Residential
 and Rate B customers would be paying rates more than MAWC's cost of providing
 service to them.

The Company's St. Louis County CCOSS model indicates that the Rate J class requires an increase of 69.9%, or 1.64x the district average to reach cost of service. MAWC's CCOSS models show that Rate J customers outside of St. Louis County would require an increase of 30.2%, or 0.64x the district average to reach cost of service. In total, the Rate J class would require a 50.7% increase, or 1.16x the system average to reach cost of service, under the Company's proposed CCOSS models.

10 Under the Company's proposed revenue spread, St. Louis County's Rate J 11 customers would receive an increase of about 54.7%, or 1.21x the district average 12 increase, while Non-St. Louis County Rate J customers would receive an increase of 13 30.2%, or 0.76x the district average.

14 Q DO YOU AGREE WITH THE COMPANY'S PROPOSED REVENUE 15 APPORTIONMENT?

A No. The Company's proposed revenue apportionment is based on inaccurate CCOSS
 models that need to be corrected. In addition, MAWC's proposed revenue
 apportionment reflects continued movement toward CTP, which I do not support for the
 reasons stated in this testimony.

20 Q ARE YOU RECOMMENDING AN ALTERNATIVE REVENUE APPORTIONMENT?

A Yes. I am recommending an alternative revenue apportionment for St. Louis County
 customer classes based on my corrections to the Company's St. Louis County CCOSS
 model, with rates based on each district's respective CCOSS. My primary

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recommended revenue apportionment is shown in Table JAY-2 below, using the

Company's claimed revenue requirement.

	MIEC	<u>C's CCOSS vs. Pri</u>	mary Proposed R	evenue Spr	ead for S	t.Louis County		
Current Increase to Reach COS ¹ MIEC Proposed Increas							se ²	
Line	Customer Class	Revenue ¹	Amount	Percent	Index	Amount	Percent	Index
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
	St. Louis County							
1	Residential	\$219,196,203	\$110,374,431	50.4%	1.18	\$111,741,658	51.0%	1.20
2	Non-Residential	68,531,934	12,208,176	17.8%	0.42	12,635,641	18.4%	0.43
3	Rate J	11,296,485	3,255,305	28.8%	0.68	3,325,766	29.4%	0.69
4	Rate B	4,931,008	1,003,567	20.4%	0.48	1,034,324	21.0%	0.49
5	Rate P	4,684,084	2,184,001	46.6%	1.09	2,213,218	47.2%	1.11
6	Private Fire	4,998,343	4,586,794	91.8%	2.15	2,661,667	53.3%	1.25
7	Total	\$313,638,057	\$133,612,274	42.6%	1.00	\$133,612,274	42.6%	1.00
Sourc	es							

3	If my recommended corrections to MAWC's St. Louis County CCOSS are
4	adopted, I recommend bringing all classes closer to cost of service, subject to the
5	limitation that no class receive an increase greater than 1.25x the district average.
6	In the event that my corrections to MAWC's are not adopted, I continue to
7	recommend that no class receive an increase greater than 1.25x the system average.
8	Such an increase will still make a movement toward cost of service, while mitigating
9	the significantly above-district average increases that would be required for certain
10	classes to reach cost of service.
11	III. WATER CCOSS

12 Q PLEASE DISCUSS THE COMPANY'S CCOSS.

A MAWC's water CCOSS is sponsored by Mr. Max McClellan. His water CCOSS utilizes the widely accepted Base-Extra Capacity method for *functionalizing, classifying,* and

1 allocating costs to MAWC's various customer classes. Investment in water utility plant and operating costs are first functionalized according to the role they play in providing 2 3 water service: water supply, pumping, treatment, transmission, distribution, metering, 4 and billing. Next, these costs are classified into cost categories that reflect the 5 causation of these costs: Base, or average day rates of flow; Extra Capacity-Maximum 6 Day and Extra Capacity-Maximum Hour rates of flow; and Customer-related costs, 7 such as metering and billing. Lastly, costs are *allocated* to MAWC's customer classes 8 based on allocation factors that reflect each class's contribution to base use. 9 extra-capacity demand, or the number of customers on the system. The various 10 allocation factors used in the Company's water CCOSS for St. Louis County are 11 derived on Schedule MWM-1, pages 25 through 29.

12 Q DO YOU AGREE WITH MR. MCCLELLAN'S WATER CCOSS FOR ST. LOUIS 13 COUNTY?

14 I generally agree with the use of the Base-Extra Capacity method used in the А 15 Company's water CCOSS. However, there are certain corrections that need to be 16 made to improve the accuracy of the study. First, the Company has not allocated any 17 Source of Supply or Water Treatment costs to the Public Fire class. The Public Fire 18 protection class should receive an allocation of all these costs. Second, purchased 19 power expense should be allocated on both a base and extra-capacity demand, rather 20 than strictly on base usage. Third, the Industrial distribution multiplier used in the water 21 CCOSS has not been supported. Fourth, the system load factors used to assign costs 22 between the base and extra-capacity functions should be modified to reflect the system 23 load factors used in the last rate case to be consistent with the customer class load 24 characteristics indicated by the customer class peaking factors, and to reflect the

> Jessica A. York Page 7

- methodology described in the AWWA Manual M1. Fifth, the Company's definition of
 transmission and distribution mains should be revised to be consistent with the
 information produced in its annual reports to the MPSC.
- Each of these recommended corrections to the St. Louis County water CCOSS
 is discussed in detail throughout this testimony.

6 III.A. Allocation of Costs to Public Fire Protection

7 Q HAS THE COMPANY ALLOCATED ANY SOURCE OF SUPPLY OR WATER

8 TREATMENT COSTS TO THE PUBLIC FIRE PROTECTION CLASS?

- 9 A No. As shown on Schedule MWM-1, page 1, Mr. McClellan has not allocated <u>any</u> costs
- 10 associated with Source of Supply or Water Treatment to the Public Fire class.

11 Q IS IT REASONABLE TO EXCLUDE THE PUBLIC FIRE PROTECTION CLASS 12 FROM AN ALLOCATION OF THESE COSTS?

A No. These costs are incurred in part to provide service to the Public Fire protection
class. As a result, the Public Fire protection class should receive an allocated share.

15 Q DOES THE COMPANY AGREE THAT THE FIRE PROTECTION CLASSES SHOULD

16 **RECEIVE AN ALLOCATION OF SOURCE OF SUPPLY COSTS?**

A Yes. In response to discovery, the Company agreed that it would be appropriate to
allocate some portion of the fixed costs associated with Source of Supply costs to fire
service customer classes.¹ In addition, an allocation of Source of Supply costs to the
Public Fire class would be consistent with the Company's treatment of the Private Fire
class.

¹MAWC's Response to Data Request MIEC 1-15. Attached as Schedule JAY-1 at page 1.

1 Q DOES THE COMPANY AGREE THAT WATER TREATMENT COSTS SHOULD BE

2 ALLOCATED TO THE FIRE SERVICE CLASSES?

A No. The Company stated that it did not allocate these costs to fire service classes
 because water treatment costs are incurred primarily to provide potable water service,
 and potable water is not generally needed for firefighting purposes.² However, the
 Company's water CCOSS shows that Water Treatment costs were allocated to the
 Private Fire class.

8 Q DO YOU AGREE WITH THE COMPANY'S RATIONALE FOR EXCLUDING THE 9 PUBLIC FIRE SERVICE CLASS FROM AN ALLOCATION OF WATER TREATMENT 10 COSTS?

11 A No. Although non-potable water could be used for fire protection service, the question 12 is what type of water is <u>actually</u> used by MAWC to provide fire protection service. The 13 Company has not provided evidence showing that non-potable water is being used to 14 serve the fire service classes. In fact, the Company has confirmed that potable water 15 is indeed used to serve the Public Fire class.³

Further, the fire service classes receive an allocation of storage costs, which are also associated with potable water. Thus, it is just and reasonable to allocate a portion of water treatment costs to the Public Fire class, just as it has done for the Private Fire class.

> ²Id. ³Id.

1QPLEASE SUMMARIZE YOUR RECOMMENDATION WITH RESPECT TO THE2ALLOCATION OF COSTS TO THE FIRE SERVICE CLASSES.

A I recommend that both the Private and Public Fire service classes receive an allocation
 of Source of Supply, Power and Pumping, and Water Treatment costs in the water
 CCOSS, using the allocation factor labeled by the Company as Factor 3. Factor 3
 reflects a base and maximum-day extra-capacity allocator with a fire protection
 component.⁴

8 III.B. Allocation of Purchased Power Expenses

9 Q HOW HAS MR. MCCLELLAN ALLOCATED FUEL AND POWER EXPENSES IN THE

10 WATER CCOSS?

11 For Source of Supply, Power and Pumping, and Water Treatment, Mr. McClellan used А 12 Factor 1 to allocate purchased power costs between customer classes. Factor 1 13 allocates purchased power costs between customer classes based on each class's 14 annual (or average daily) consumption.⁵ The use of Factor 1 reflects an assumption 15 that Fuel and Power expenses are base costs, which tend to vary with the quantity of 16 water used, plus costs associated with supplying, treating, pumping, and distributing 17 water to customers under average load conditions, without the elements necessary to 18 meet peak demands. In addition, Factor 1 excludes the Public Fire class.

⁴Factor 3 is developed on Schedule MWM-1 at page 25.

⁵Factor 1 is also developed on Schedule MWM-1 at page 25.

1 Q WHY IS IT INACCURATE TO USE FACTOR 1 TO ALLOCATE FUEL AND POWER 2 EXPENSES BETWEEN RATE CLASSES?

A The use of Factor 1 does not recognize how MAWC incurs purchased power expense.
Purchased power expense is based on demand and energy consumption. Demand
costs are based on the highest power demand in a month, not on average daily usage.
Therefore, the demand component of purchased power expense does not vary with the
amount of water consumed. Instead, it varies with the peak day and peak hour power
consumption.

9 In addition, the energy consumption portion of purchased power costs also 10 varies with time and seasonal use and does not vary evenly with the daily amount of 11 water consumed. MAWC purchases power from Ameren Missouri for its St. Louis 12 County operations. Ameren Missouri's tariffs contain seasonally differentiated energy 13 charges for all rate schedules, and seasonally differentiated demand charges for 14 Commercial and Industrial customers with meters capable of measuring demand. 15 Ameren Missouri's energy charges and demand charges are higher during the summer 16 months of June through September than in the non-summer months.

Thus, Ameren Missouri's commercial rates for St. Louis County customers reflect the variation of energy prices based on when energy is actually consumed, and the variability of energy costs across peak and non-peak periods.⁶ As such, MAWC's cost of energy within its purchased power expense does not evenly vary across all water consumed, but rather the price increases during peak periods and the summer season, and is lower during the off-peak periods and winter season.

⁶Ameren Missouri tariffs for Small General Service, Large General Service, Small Primary Service, Large Primary Service, and Large Transmission Service. Rates effective July 9, 2023.

1 Q WHAT FACTOR SHOULD BE USED TO ALLOCATE FUEL AND POWER COSTS 2 IN THE CCOSS?

A The use of Factor 3 would be consistent with the proper allocation of other Source of
Supply, Water Treatment, and Power and Pumping expenses that have been classified
as serving both base and maximum day-extra capacity requirements, including an
allocation to the fire service classes.

In addition, Factor 3 more accurately allocates purchased power expense
between customer classes because it allocates costs between customer classes based
on average flow and peak day demand. Average daily usage reasonably allocates a
portion of the energy component of purchased power, and peak day factors correspond
to the demand component of the Company's purchased power expense, which is
established during peak water consumption periods.

13 Thus, Factor 3 more accurately allocates purchased power expense between 14 customer classes based on how the Company incurs purchased power expense to 15 meet the seasonal, monthly, and daily water demand of its customers.

16 **III.**

III.C. Rate J Distribution Multiplier

17QDOES MR. MCCLELLAN'S WATER CCOSS DISTINGUISH THE ALLOCATION OF18TRANSMISSION MAINS FROM DISTRIBUTION MAINS, RECOGNIZING THAT

19 SOME CUSTOMERS DO NOT TAKE SERVICE FROM DISTRIBUTION MAINS?

A Yes. As explained by Mr. McClellan at page 10 of his Direct Testimony, the Company
 considers mains with diameters of 10-inches and larger to be transmission mains.⁷
 Mains smaller than 10-inches are considered to be distribution mains.⁸ All customer

⁷Direct Testimony of Mr. McClellan at page 10, lines 16-18. ⁸*Id.*

1 classes utilize transmission mains and, as a result, all customer classes are allocated 2 a share of transmission mains costs.⁹ However, some large customers take service 3 solely from transmission mains, and therefore, should not receive an allocation of 4 distribution mains costs.¹⁰ In recognition of this distinction, for each customer class, 5 the Company has estimated the portion of water sales served directly from the 6 transmission system and has excluded those sales from an allocation of distribution 7 cost.¹¹ This has been done through the application of a distribution multiplier to each 8 class's usage, in the development of distribution cost allocation factors.

9 Q DO YOU AGREE WITH MR. MCCLELLAN THAT THE ALLOCATION OF 10 TRANSMISSION AND DISTRIBUTION MAINS COSTS SHOULD REFLECT THE 11 FACT THAT SOME CUSTOMERS ARE CONNECTED DIRECTLY TO THE 12 TRANSMISSION SYSTEM AND DO NOT USE THE DISTRIBUTION SYSTEM?

13 A Yes. I agree that the water CCOSS should reflect the fact that some customers are 14 connected directly to the large transmission mains and do not take service from the 15 smaller distribution mains for cost allocation in the water CCOSS. Customers not 16 served by distribution mains should not be allocated a share of distribution costs 17 associated with their usage.

18 Q WHAT DISTRIBUTION MULTIPLIER HAS THE COMPANY USED FOR THE RATE J

19 CLASS IN THE ST. LOUIS COUNTY WATER CCOSS?

A The Company has used a distribution multiplier of 11% for the Industrial class. This is
 shown on Schedule MWM-1 at page 23. This means the Company estimates that 11%

⁹*Id.* at lines 19-21.

¹⁰*Id.* at page 11, lines 7-9.

¹¹*Id.* at lines 9-12.

of water sales to the Rate J class are served from the distribution system, and 89% are
 served directly from the Company's transmission mains.

3 Q DO YOU AGREE WITH THE COMPANY'S RATE J DISTRIBUTION MULTIPLIER 4 OF 11%?

5 A No. The Company has not shown how it developed the 11% distribution multiplier in 6 this case. In addition, using water consumption to develop the distribution multiplier 7 significantly overstates the portion of distribution system investment and expenses that 8 is required to provide service to these large customers. MAWC needs to also consider 9 the length of distribution main serving the Rate J customers, consistent with its past 10 practice.

11QHOW WAS THE LENGTH OF DISTRIBUTION MAIN SERVING RATE J12CUSTOMERS CONSIDERED BY MAWC IN THE PAST?

13 A In the past, it was determined that while Rate J customers have a significant portion of 14 water consumption served by small distribution mains, the actual length of distribution 15 mains used to connect these customers to the transmission system represents a very 16 small fraction of the total distribution system, and this should be recognized in 17 developing an appropriate distribution multiplier.

18 Q WHAT WAS THE DISTRIBUTION MULTIPLIER IN MAWC'S PRIOR RATE CASES?

A In Case No. WR-2020-0344, Staff reflected a distribution multiplier of about 0.10 for
 Rate J customers both inside and outside of St. Louis County,¹² which it proposed to

¹²Case No. WR-2020-0344. Staff's report on cost of service and rate design. St. Louis County usage adjustments are shown on Schedule 7, page 7 of 10, line 32. Non-St. Louis County usage adjustments are shown on Schedule 7, page 2 of 10, line 32.

continue in the last rate case.¹³ The 10% distribution multiplier was developed by
 MAWC witness Paul Herbert in Case No. WR-2008-0311.

3 Q WHAT WAS THE BASIS FOR THE 10% DISTRIBUTION MULTIPLIER IN THE 4 PRIOR CASES?

A In Case No. WR-2008-0311, MAWC witness Paul Herbert developed the 10%
distribution multiplier for Rate J customers in St. Louis County. For the Industrial or
Rate J classification, an analysis of the customers was performed to determine the size
of main each Rate J customer was served from.¹⁴ The analysis showed that out of 215
Rate J customers, 112 customers representing 61.8% of the Rate J consumption are
connected to mains 12-inches and larger.¹⁵ The remaining 103 customers with 38.2%
of the consumption were connected to mains smaller than 12-inches.¹⁶

12 For the 103 customers served from small mains, Mr. Herbert analyzed the 13 length of distribution mains used to serve these customers from the transmission 14 system.¹⁷ The analysis showed that only about 225,000 feet of small mains were used 15 from the transmission system to the connection points of the 103 Rate J customers.¹⁸ 16 The 225,000 feet represented about 1.3% of the total feet of distribution mains on the 17 system at the time.¹⁹ Mr. Herbert concluded that the analysis showed that although 18 certain Rate J customers are connected to smaller mains, the length of those mains 19 are only a small fraction of the total distribution main system.²⁰ As a result, Mr. Herbert

¹³Case No. WR-2022-0303, Direct Testimony of Keri Roth at page 8, lines 21-23.
 ¹⁴Case No. WR-2008-0311, Direct Testimony of Paul Herbert at page 10.
 ¹⁵*Id.* ¹⁶*Id.* ¹⁷*Id.* ¹⁸*Id.* ¹⁹*Id.* ²⁰*Id.*

ultimately recommended a 10% distribution multiplier, but his testimony does not
 explicitly explain how he arrived at 10%.²¹

3 Q DO YOU AGREE WITH THE 10% DISTRIBUTION MULTIPLIER RECOMMENDED 4 BY PAUL HERBERT, AND RELIED ON IN MAWC'S CCOSS IN PRIOR RATE 5 CASES?

A No. The 10% distribution multiplier appears to be arbitrary, and still overstates the costs associated with the distribution system that are incurred to serve Rate J customers. I recommend that the distribution multiplier be based on the length of small distribution mains required to provide service to Rate J customers. In addition, I recommend the Commission direct the Company to conduct an updated study of the length of distribution main serving its Rate J customers, like the study that was described by MAWC witness Mr. Herbert in the 2008 rate case.

13 Q HAVE YOU RECALCULATED THE DISTRIBUTION MULTIPLIER BASED ON THE

14 LENGTH OF DISTRIBUTION MAINS ON MAWC'S SYSTEM?

- A Yes. I am not aware of an updated study of the length of small distribution mains used
 to connect Rate J customers to the transmission system. Thus, I have assumed
 225,000 feet of small distribution mains, based on the study completed for the 2008
 rate case. Using the definition of distribution mains reflected in the Company's water
 CCOSS, the length of distribution mains in St. Louis County is 19,254,897 feet.²² The
 ratio of 225,000 to 19,254,897 is 1.17%. However, if my recommended modification of
 - ²¹ Id.

²²Schedule MWM-1, page 24 of 29.

the definition of distribution mains is adopted, I estimate that the Industrial class
 distribution multiplier would be about 1.02% (i.e., 225,000 divided by 22,162,714).

A Rate J distribution multiplier of 1.17% is likely conservative, given that the number of Rate J customers has decreased since the 2008 rate case.²³ This means that the length of distribution mains serving Rate J customers may be less than 225,000 feet, and the current distribution multiplier may be less than 1.17%.

7 Q IN THE EVENT THE COMMISSION DECLINES TO ADOPT YOUR RECOMMENDED

8 DISTRIBUTION MULTIPLIER OF 1.17% FOR THE RATE J CLASS, DO YOU HAVE 9 AN ALTERNATIVE RECOMMENDATION?

A Yes. As an alternative, I recommend that the Rate J distribution multiplier for St. Louis
County be no more than 10%, consistent with the Company's and Commission Staff's
("Staff") recommendations in prior cases. In addition, the Company should be directed
to conduct an updated study of the length of distribution main serving Rate J customers
as I have previously discussed.

15 **III.D. System Load Factors**

16 Q PLEASE IDENTIFY THE SYSTEM LOAD (OR CAPACITY) FACTORS USED IN THE

17 **COMPANY'S WATER CCOSS.**

- 18 A The Company's study includes the following system capacity factors, which are shown
- 19 on Schedule MWM-1 at page 24:
- System load factor (max day): 64.91%.
- System load factor (max day with fire): 60.68%.

²³Case No. WR-2008-0311 identifies 215 Rate J customers in St. Louis County, while Schedule MWM-1, page 23 of the current case, identifies 160 Rate J customers in St. Louis County.

- 1
- System load factor (hourly): 40.06%.
- System load factor (hourly with fire): 33.43%.

Q HOW ARE THESE SYSTEM CAPACITY FACTORS USED IN THE COMPANY'S WATER CCOSS?

5 A The system capacity factors are used to assign portions of costs to the base and 6 extra-capacity cost components in the water CCOSS. Specifically, they are used to 7 weight base usage and extra-capacity demands in the development of several 8 customer class allocation factors in the water CCOSS. Higher system load factors 9 equate to a larger portion of costs being allocated on base, or average water 10 consumption, and a smaller portion of costs being allocated on extra-capacity 11 demands.

12 Q WHAT IS YOUR CONCERN WITH THE COMPANY'S SYSTEM CAPACITY 13 FACTORS?

14 I have multiple concerns with the system load factors used in the Company's water А 15 CCOSS. First, the Company's system load factor on the maximum day, excluding fire, 16 is based on an average over the three-year period from 2021 through 2023.²⁴ Instead, 17 it should be based on the highest ratio of maximum day to average day demand over 18 a specified period (which equates to the lowest system load factor that occurred during 19 that time). In addition, the Company's system capacity factors are inconsistent with the 20 customer class load characteristics suggested by the customer class maximum day 21 and maximum hour peaking factors.

²⁴MAWC's Response to Data Request MIEC 1-08. Attached as Schedule JAY-1 at pages 2-3.

1QWHY IS IT INAPPROPRIATE TO BASE THE SYSTEM MAX DAY CAPACITY2FACTOR ON AN AVERAGE OF MULTIPLE YEARS?

A water system is designed to provide water during a peak event for the life of the
system (which could be 100 years), especially including any unusual outlier event that
would cause a significant increase in peak day demand. Outlier events are typically
caused by weather events that generate large increases in water demands by
weather-sensitive customers. A maximum day system load factor based on an average
over multiple years does not capture the additional capacity the utility must invest in to
serve water demands that occur during abnormal or outlier weather periods.

In addition, the AWWA Manual M1, which Mr. McClellan purports to have
 followed, indicates that to develop peaking factors by class, one needs to identify the
 highest ratio of system maximum day demand to system average day demand that has
 occurred over a representative number of recent years.²⁵ This indicates the need for a
 single, high peak period demand ratio and not an average over multiple years.

15 Q HAVE YOU REVIEWED SYSTEM LOAD FACTOR DATA FROM PRIOR YEARS?

A Yes. I have calculated system load factors based on data from the Company's annual
reports filed with the MPSC for 2014 through 2023. The results are summarized in
Table JAY-3.

²⁵AWWA Manual M1, Seventh Edition at page 373.

System Load Factors Based on Annual Reports							
St. Louis County							
	Calendar	Annual	Average	Maximum	Load		
Line	Year	Use	Day	Day	Factor		
		(1)	(2)	(3)	(4)		
1	2023	55,476,658	151,991	239,105	63.6%		
2	2022	56,580,607	155,015	266,138	58.2%		
3	2021	54,373,635	148,969	266,726	55.9%		
4	2020	54,974,609	150,615	257,552	58.5%		
5	2019	51,796,211	141,907	237,096	59.9%		
6	2018	58,838,297	161,201	259,938	62.0%		
7	2017	59,448,569	162,873	288,308	56.5%		
8	2016	56,912,342	155,924	272,425	57.2%		
9	2015	56,062,090	153,595	227,048	67.6%		
10	2014	58,571,172	160,469	255,167	62.9%		
	es and Note stated in th	es: nousand gallon:	- S.				
	reflects annu	ual and maximu	ım day volur	mes pumped	into		

As shown in the table, the overall system load factor in 2023 was relatively high, indicating a relatively steady rate of water use on the system that year. On the contrary, the load factor for 2021 was the lowest, and is more in line with the load characteristics suggested by the customer class peaking factors. By using an average of three years, the Company skews its system load factor to the high side and allocates more costs on base usage in its CCOSS. This is not

appropriate, as it does not recognize that extra-capacity demands (and the costs
incurred to meet that demand) are driven by abnormal weather events such as hot, dry
periods.

1 Q HOW ARE THE CUSTOMER CLASS CAPACITY FACTORS INCONSISTENT WITH

2 THE COMPANY'S SYSTEM CAPACITY FACTOR?

3 A The Company's system capacity factors are overstated relative to the system capacity

- 4 factors that are derived using maximum day demands based on its customer class
- 5 peaking factors. This is shown in Table JAY-4 below.

	TABLE JAY-4							
	Calculated Class Load Factors vs. MAWC's System Load Factor (Max Day Excluding Fire)							
Line	Description	Residential	Non- Residential	Rate J	Rate B	Contracts	Total	
		(1)	(2)	(3)	(4)	(5)	(6)	
1 2	Average Day Use (kgal) Max Day Use (kgal)	62,670 125,430	21,555 45,715	13,593 20,102	4,971 8,010	7,541 10,873	110,331 210,130	
3	Load Factor	50.0%	47.2%	67.6%	62.1%	69.4%	52.5%	
4 MAWC Applied System Load Factor 64.9%								
Sou	rce: Schedule MWM-1, pa	ige 24.						

As shown in the table, the customer class peaking factors indicate a system
load factor of about 52.5%, while the Company has applied a system load factor of
64.9% to its water CCOSS.
A similar issue exists regarding the system maximum hour capacity factor. This

10 is shown in Table JAY-5.

	Calcul <u>MAWC's System L</u>		oad Factors v Max Hour Exc	-	ire) ^{1,2}	
Line	Description	Residential	Non- Residential	Rate J	Rate B	Tota
		(1)	(2)	(3)	(4)	(5)
1	Average Hour Use (kgal) ³	2,611	898	7	43	3,559
2 3	Max Hour Use (kgal) Load Factor	<u>11,680</u> 22.4%	2,323 38.7%	<u>11</u> 60.8%	69 62.1%	14,083 25.3%
4	MAWC Applied System Lo	ad Factor				40.1%
	ces and Notes: Schedule MWM-1, page 24					
	Excludes the Contract class hour extra-capacity costs a				hat maxin	num
	Includes the application of t by MAWC.	he customer o	lass distributio	on multipl	iers as pro	oposed

1	As shown in Table JAY-5, the Company's customer class maximum hour
2	peaking factors suggest a system max hour load factor of 25%, but the Company has
3	used 40% in its water CCOSS.
4	The effect of overstated system capacity factors is to assign too much of the
5	Company's cost of service to the base usage cost component, and not enough to the

6 extra-capacity demand component.

7 Q DO YOU HAVE ANY OTHER CONCERNS WITH THE SYSTEM LOAD FACTORS

8

USED IN THE COMPANY'S CCOSS?

- 9 A Yes. The system load factors have increased significantly since the last rate case, as
- 10 shown in Table JAY-6. Specifically, the maximum day system load factor has
- 11 increased from 55.6% in the last case to 64.9% in this case.

	St. Louis County System Los <u>Current Case vs. Prior</u>		
Line	Description	Current Case ¹	Prior Case ²
		(1)	(2)
1	System Load Factor (Max Day)	64.91%	55.60%
2	System Load Factor (Max Day w/Fire)	60.68%	52.29%
3	System Load Factor (Max Hour)	40.06%	37.38%
4	System Load Factor (Max Hour w/Fire)	33.43%	31.65%
Sour	ces:		

1 This increase in system load factor allocates a greater portion of costs to 2 customer classes on base usage. The Company has confirmed that the increase in 3 system load factor is the result of changing the three-year period used to calculate it 4 between the last case and this case.²⁶

5 This increase in system load factors since the last case unjustifiably shifts costs 6 to large volume users relative to the last case and does not recognize that the system 7 is designed to have enough capacity to meet demand during an outlier weather event, 8 as described earlier in this testimony.

9 Q WHAT IS YOUR RECOMMENDATION WITH RESPECT TO THE SYSTEM LOAD

- 10 FACTORS USED IN THE WATER CCOSS?
- A I recommend the system load factors from the last rate case be applied to the
 Company's water CCOSS in this case. As shown in Table JAY-6, the maximum day

²⁶MAWC's Response to Data Request MIEC 1-08. Attached as Schedule JAY-1 at pages 2-3.

1

2

system load factor from the last case of 55.6% is consistent with the system load factor that occurred in 2021, which is the lowest in the most recent 10-year period.

3 III.E. Transmission and Distribution Cost Allocation

4 Q WHAT IS YOUR CONCERN WITH RESPECT TO THE TRANSMISSION AND 5 DISTRIBUTION COST CATEGORIES?

- A MAWC's CCOSS model for St. Louis County identifies a Transmission function cost of
 service of \$44,798,714, and a Distribution function cost of service of \$164,489,841.²⁷
 Thus, MAWC's water CCOSS shows that about 21.4% of the Transmission and
 Distribution cost of service is related to Transmission, and 78.6% is related to
 Distribution. Transmission costs are allocated by MAWC using Factor 3. Distribution
 costs have been allocated by MAWC using Factor 4, which reflects the distribution
 multiplier that I have previously discussed.
- My concern is that MAWC has overstated the amount of costs that should beincluded in the Transmission function.

15 Q WHY DO YOU SAY THAT MAWC HAS OVERSTATED THE AMOUNT OF COSTS 16 INCLUDED IN THE TRANSMISSION CATEGORY?

A MAWC's 2023 Annual Report shows that in St. Louis County, there are 2,316,816 feet
of transmission mains and 22,162,714 feet of distribution mains installed on the
system.²⁸ In other words, the 2023 Annual Report indicates that about 9.5% of the
length of mains on MAWC's system are transmission mains, and the remaining 90.5%
are distribution mains. This is inconsistent with the length of main for St. Louis County

²⁷Schedule MWM-1 at page 1.

²⁸Attached as Schedule JAY-3, page 3.

shown on Schedule MWM-1 at page 24, which is used to assign costs to the
 Transmission and Distribution functions in the CCOSS model.

3 According to the 2023 Annual Report, transmission mains include mains with 4 diameters of size 16-inches and larger, while distribution mains consist of mains sized 5 12-inches and less. However, MAWC's CCOSS assigns a significant amount of 6 depreciation expense and plant investment for distribution mains sized 10-inches to 7 16-inches to the Transmission function, instead of the Distribution function. 8 Specifically, MAWC assigns \$3.981 million of depreciation expense associated with 9 mains sized 10-inches to 16-inches to the Transmission function, and \$249.919 million 10 of plant investment to the Transmission function.²⁹

11 Q WHAT IS YOUR RECOMMENDATION TO CORRECT THIS ISSUE?

12 A The 2023 Annual Report indicates that about 13.7% of the length of main in the 10-inch 13 to 16-inch category is transmission main, and the remaining 86.3% is distribution main. 14 Thus, I recommend moving 86.3% of the depreciation expense and plant investment 15 associated with the category of mains sized 10-inches to 16-inches from the 16 Transmission function to the Distribution function. This change aligns the CCOSS 17 model with the 2023 Annual Report, in terms of the classification of various sizes of 18 mains between the Transmission and Distribution functions.

²⁹Schedule MWM-1, pages 5 and 8, respectively.

1 III.F. Corrected CCOSS

2 Q HAVE YOU PREPARED A SCHEDULE THAT SHOWS THE RESULTS OF YOUR 3 CORRECTIONS TO THE ST. LOUIS COUNTY WATER CCOSS MODEL?

4 A Yes. Schedule JAY-2 shows the results of my corrections to MAWC's CCOSS for
5 St. Louis County.

Q PLEASE SUMMARIZE YOUR RECOMMENDATIONS WITH RESPECT TO COST OF 7 SERVICE AND REVENUE SPREAD.

8 Α For the reasons described above, the Company's CCOSS models are inaccurate and 9 require several corrections. I recommend allocating Source of Supply and Water 10 Treatment costs to the Public Fire class. I recommend correcting the allocation of 11 Purchased Power expense to use Factor 3 instead of Factor 1. I recommend correcting the distribution multiplier for the Rate J class in St. Louis County to 1.17%. I 12 13 recommend applying the same system load factors to the St. Louis County water 14 CCOSS as those used in the last rate case. Lastly, I recommend functionalizing 86.3% 15 of the depreciation expense and plant investment in mains sized 10-inches to 16-inches 16 as distribution rather than transmission.

Due to the inadequacy of MAWC's CCOSS in this case, it should not be relied upon as the basis for spreading the Company's claimed revenue deficiency across customer classes in this case. If MIEC's recommended corrections to the CCOSS are adopted, I recommend bringing the St. Louis County customer classes closer to cost of service based on the results of my corrected CCOSS model as described in Section II of my testimony.

IV. COMPANY'S PROPOSAL FOR CONSOLIDATED TARIFF PRICING

3 Q PLEASE DESCRIBE MAWC'S PROPOSAL FOR CONSOLIDATED TARIFF 4 PRICING.

As discussed in the Direct Testimony of Mr. McClellan, the Company is proposing to 5 А 6 continue its movement toward CTP. Specifically, the Company proposes to equalize 7 the volumetric rates for Rate A between St. Louis County and Non-St. Louis County 8 customers to complete the process of CTP for those rates.³⁰ Mr. McClellan also notes 9 that the Company is proposing to move Rate J rates closer together by equalizing the 10 volumetric rates for Rate J for all usage less than or equal to 450,000 gallons.³¹ For all Rate J usage above 450,000 gallons, the Company is proposing to increase the 11 12 volumetric rate for St. Louis County customers by 150% of the increase for Non-St. Louis County customers.³² 13

14QWHAT REASONS DOES MR. MCCLELLAN PROVIDE IN SUPPORT OF THE15COMPANY'S PROPOSAL FOR CTP?

A Mr. McClellan's comments on CTP are limited to the Company's intention for rate
design, and he does not offer specific evidence in support of continuing the movement
toward CTP.

1 2

³⁰Direct Testimony of Max McClellan at page 28, lines 3-5.

³¹*Id.* at lines 8-10.

³²*Id.* at lines 10-12.

1 Q DO YOU SUPPORT THE COMPANY'S PROPOSAL TO CONTINUE MOVING

2 TOWARD CTP?

A No. CTP violates cost-causation principles. I recommend the Commission reject any
 further consolidation of MAWC's districts and customer classes.

5 Q HOW WOULD CONSOLIDATION AFFECT THE TWO EXISTING DISTRICTS? ARE 6 THE ST. LOUIS COUNTY AND NON-ST. LOUIS COUNTY DISTRICTS RECEIVING 7 SERVICE UNDER SUBSTANTIALLY SIMILAR CONDITIONS OR 8 CIRCUMSTANCES?

- 9 No. A statewide consolidation would result in St. Louis County customers subsidizing А 10 customers outside of the county. As shown in Table JAY-1, MAWC proposes to shift 11 about \$8.7 million from the Non-St. Louis County district to customers inside of 12 St. Louis County. In addition, St. Louis County customers use significantly higher 13 levels of water than other customers.³³ A significant level of MAWC's proposed 14 revenue requirement is collected through usage-based rates. Given their higher usage, 15 St. Louis County customers would be paying a significant level of fixed costs incurred 16 to serve customers outside of their district.
- 17 If rates are fully consolidated, current St. Louis County customers would be
 18 significantly subsidizing Non-St. Louis County customers. This would not reflect
 19 cost-causation.

³³For example, St. Louis County's average monthly Residential use per customer is approximately 36% higher than Residential use per customer outside of St. Louis County. Average monthly use per customer for Commercial, Industrial, and Sales for Resale customers in St. Louis County exceeds the average monthly use of customers outside St. Louis County by about 8%.

1 Q WHY DID THE COMMISSION DETERMINE IN CASE NO. WR-2017-0285, THAT

2 ST. LOUIS COUNTY SHOULD REMAIN A SEPARATE DISTRICT?

- 3 A In that case, the Commission rejected MAWC's proposal to implement consolidated
- 4 pricing and instead utilize two districts. Specifically, the Commission found that:

5	"Full consolidation would increase the potential for imprudent spending
6	by MAWC, since the impact of increases will be shared by more
7	customers. By combining Districts 2 and 3, the Company can still seek
8	to acquire small struggling systems and make system improvements
9	while avoiding rate shock."34

10 Q IS THE COMMISSION'S REASONING FROM THE PRIOR RATE CASE STILL

- 11 VALID?
- 12 A Yes.

13 Q DOES CTP FOLLOW COST-CAUSATION PRINCIPLES?

A No. In general, the proposal for CTP ignores the principle of cost-causation. A particular water district's rates should be based on the costs that MAWC incurs to provide that district with service. MAWC's water system is not an integrated system. CTP ignores the fact that not all of MAWC's water districts are interconnected, and thus, the Company cannot serve all of its districts with the same group of water

19 treatment plants or other plant investment.

³⁴Case No. WR-2017-0285. Final Order at pages 30-31.

Q ARE YOU AWARE THAT CURRENTLY THE NON-ST. LOUIS COUNTY DISTRICT IS COMPOSED OF SEVERAL WATER DISTRICTS THAT HAVE ALREADY BEEN CONSOLIDATED FOR TARIFF PRICES?

4 A Yes. To be clear, I am not proposing the Commission reverse its previous decision to
5 have two districts. However, the move to consolidation of the two remaining districts
6 should be rejected.

Q PLEASE ELABORATE ON WHY CTP IGNORES COST-CAUSATION PRINCIPLES AND IS NOT REASONABLE.

9 А In general, consolidated pricing is inappropriate for several reasons. First, the districts 10 are not interconnected to the same (or group of same) water treatment plants. Water 11 treatment plants serving the districts are supplied from district-specific raw water 12 sources (including both groundwater and surface water), which impact water treatment 13 costs. In contrast to power plants in a geographically dispersed, but interconnected 14 electric system, a water treatment plant in Joplin or St. Joseph, for example, cannot 15 provide treated water to the St. Louis County district since those districts are not 16 interconnected. The water treatment plants, distribution networks, pumping equipment 17 and even the electric utilities serving the various MAWC territories are distinct across 18 the state, and the various geographic characteristics of each MAWC service territory 19 impact costs related to storage, pressure, pumping, chemicals and other costs 20 associated with providing water service in those areas.

Second, consolidated pricing ignores the differences in costs of providing service in each non-interconnected water district including, but not limited to, water treatment and supply, labor force, and delivery. Consolidated pricing also ignores the differences in rate base investment that have occurred to provide water service in each

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operating district. Consolidated pricing is inconsistent with traditional cost of service
principles and ignores the concept of cost-causation. In essence, consolidated pricing
results in price subsidies to customers in a high-cost district at great cost to customers
in a low-cost district. For example, the cost to install water pipe in a district with rocky
soil is higher than the cost to install water pipe in a district without rocky soil. Under
consolidated pricing, the customers in the lower-cost district with non-rocky soil would
subsidize a portion of the cost to install pipe in the higher-cost district with rocky soil.

8 Moreover, the unjust cross-subsidies created by consolidated pricing could 9 erode the efficiency of the water system. These rate subsidies would erode the 10 economic incentive for customers in high-cost districts to be more efficient in placing 11 demands on the water utility because the prices they pay do not accurately reflect the 12 cost of receiving water service. Hence, customers with subsidized prices may impose 13 greater and less efficient demand on a high-cost district, which could cause greater 14 cost at the high-cost district and increase customer subsidies required to bring that 15 district's price down to the consolidated rate. To better reflect cost-causation, it is 16 appropriate for the Company's rates in each district to be compensatory and free of 17 subsidies.

18 Q PLEASE EXPLAIN HOW CONSOLIDATED PRICING CAN ERODE SYSTEM 19 EFFICIENCY.

A Consolidated pricing could provide management teams in high-cost districts
 disincentives for cost control because those costs would be co-mingled with other,
 lower-cost districts across the state. This would reduce the incentive to manage water
 costs. As indicated, the Commission recognized this possibility in its decision in the

last case when it said, "[f]ull consolidation would increase the potential for imprudent
 spending by MAWC, since the impact of increases will be shared by more customers."

3 Q DO YOU HAVE ANY OTHER CONCERNS WITH CTP?

4 А Yes. CTP reduces the Company's incentive to perform due diligence before acquiring 5 new water systems. The impact of acquiring a new system will be significantly reduced 6 because all operation and maintenance costs will be consolidated into one tariff price. 7 This may result in MAWC acquiring a system that disguises the impact of the 8 acquisition on all customers. New systems could be acquired without adequate 9 consideration as to whether the costs to operate those systems are economical since 10 those costs would be rolled into existing rates under consolidated pricing. Besides, the 11 Commission already recognized in a previous decision that the establishment of two 12 districts provides sufficient incentive for the Company to acquire "small struggling 13 systems."

14 Q HAS THE COMPANY ACQUIRED SMALL WATER SYSTEMS?

A Yes. MAWC has acquired many water systems over the years. Many of these
 acquisitions were made prior to rates being consolidated down to two districts. Clearly
 the creation of a consolidated state-wide rate was not needed for MAWC to acquire
 other small systems.

19 Q PLEASE STATE YOUR RECOMMENDATION WITH RESPECT TO CTP.

A I recommend that the Commission reject MAWC's proposal for further movement
 toward CTP. I recommend that the respective revenue requirement for St. Louis

1	County c	ustomers	and	Non-St.	Louis	County	customers	be	recovered	through
2	proposed	rates base	ed on	each dis	trict's re	espective	cost of serv	/ice.		

3		V. RATE J RATE DESIGN
4	Q	PLEASE DESCRIBE MAWC'S PROPOSED RATE DESIGN FOR RATE J.
5	А	The Company proposes to modify Rate J by incorporating a declining block rate
6		structure, where there would be one volumetric rate for all volumes at or below 450,000
7		gallons per month, and another lower rate for all volumes over 450,000 gallons per
8		month. ³⁵
9	Q	DO YOU SUPPORT THE COMPANY'S PROPOSAL TO MODIFY THE RATE J RATE
10		DESIGN?
11	А	I do not oppose the Company's proposed modification to the rate design for Rate J
12		customers.
13		VI. REVENUE STABILIZATION MECHANISM
14	Q	PLEASE DESCRIBE THE COMPANY'S PROPOSAL TO IMPLEMENT AN RSM IN
15		THIS PROCEEDING.
16	А	MAWC witness Charles Rea states that the Company's water systems are comprised
17		of over 90% fixed costs (including its profit, or return for shareholders), but it recovers
18		its cost of service under a rate design that produces approximately 74% of its revenue

- 19 through variable charges.³⁶ He maintains that this mismatch in volumetric revenue
- 20 relative to fixed costs makes the Company's ability to recover its fixed costs and invest

 ³⁵Direct Testimony of Max McClellan at page 28, lines 21-23 through page 29, line 1.
 ³⁶Direct Testimony of Charles Rea at page 41, lines 12-16.
in its system highly susceptible to impacts from weather and changes to customer
 usage patterns. He maintains the Company has little incentive to support efforts to
 reduce consumption of water by its customers as this reduces its ability to recover its
 fixed costs. He maintains the RSM would make the Company indifferent to support
 conservation efforts.

6 Mr. Rea describes the proposed RSM as being designed to align the 7 Company's revenues going forward with the level of authorized revenue ultimately 8 approved by the Commission. He explains that the RSM would compare authorized 9 revenues to actual billed revenues for the Residential, Commercial, Other Public 10 Authorities and Sale for Resale classes, and would accrue the difference (less the 11 applicable change in production costs) to be either credited to customers or collected 12 from customers at a later time.

13 Q IS THE COMPANY'S RSM PROPOSAL REASONABLE?

14 А No. The Company's proposed RSM engages in single issue ratemaking, as it only 15 considers one component of operations and does not consider all relevant factors 16 needed to establish its total revenue requirement. The Company's proposal for an 17 RSM has not been demonstrated to be necessary to provide the Company an 18 opportunity to fully recover its cost of service and earn a fair rate of return on 19 infrastructure investments used to provide service. An RSM will also expose customers 20 to bill adjustments outside of a rate case if revenues by class do not recover costs 21 because of weather conditions or conservation by customers. Stated more specifically, 22 an RSM would eliminate economic incentives for customers to undertake 23 conservation-related investments on their own, to manage their water cost of service 24 and to manage their household and/or business budgets.

1QARE THERE COST OF SERVICE PRINCIPLES THAT THE COMPANY'S2PROPOSED RSM DOES NOT SUPPORT?

A Yes. Customers' rates should only be changed to the extent there is proof that the Company's cost of service has changed. Imposing bill adjustments based on changes to class revenue from the last rate case ignores changes in cost of service. For example, if the Company collects less revenue from a class since its last case but its cost of providing service to that class decreases, then the Company may still fully recover its authorized rate of return from that class even if its revenue decreases.

9 The Company's proposal to adjust customer bills based on variation of 10 revenues collected versus changes to the cost of service can result in unjust increases 11 in customers' bills.

12 In addition, the Company's RSM, as I understand it, excludes increases in the 13 number of customers from the analysis. This is concerning, as the addition of new 14 customers to the system may allow the utility to collect new revenues which could offset 15 increases in the Company's cost of providing service. The Company's proposed RSM 16 does not recognize this, and thus, may impose unnecessary bill adjustments on 17 customers. Further, conservation by customers could still result in a rate increase, 18 which does not send the right price signal.

For all these reasons, the Company's proposed RSM is not necessary because: 1) the Company has not shown that it has been unable to earn its authorized ROE under traditional ratemaking mechanisms; 2) the RSM will unjustifiably expose customers to bill increases without consideration of changes in cost of service; and 3) fails to account for potential growth in revenue that could eliminate the need for changes to customers' bills. For all these reasons, changing rates and customer bills should only be done through a thorough analysis and review of the Company's revenue

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collections, and changes in cost of service, to ensure the Company's rates, and the
 related bills to customers, are just and reasonable.

3 Q WOULD IMPLEMENTATION OF THE RSM CHANGE MAWC'S INCENTIVE TO 4 OPERATE EFFICIENTLY?

- Yes. Under the existing ratemaking approach (i.e., without an RSM), if MAWC can
 manage its costs between rate cases, it keeps those cost savings as profits. If it also
 has an RSM it will earn even more, as the RSM guarantees a certain level of revenues,
 without considering changes in other cost of service components.
- 9 Further, if the RSM is approved, MAWC could impose bill increases on 10 customers if production cost increases relative to its last rate case. This allows it to 11 pass on cost increases via bill adjustments which protects the Company from a reduced 12 earned ROE caused by increases in its production costs. This cost increase protection 13 will erode MAWC's incentive to manage production costs in order to earn its authorized 14 ROE. Hence, the RSM reduces the Company's incentive to effectively manage its cost 15 of providing service and shifts the risk of operational inefficiencies from the Company 16 to customers.

17QPLEASE SUMMARIZE YOUR RECOMMENDATIONS WITH RESPECT TO THE18RSM.

A For the reasons described in this testimony, the proposed RSM should be rejected in
its entirety. However, to the extent that it is approved, I agree with MAWC that it is
reasonable not to apply the RSM to Industrial customers.

VII. PRODUCTION COST TRACKER

2 Q PLEASE DESCRIBE THE COMPANY'S PROPOSAL TO IMPLEMENT A 3 PRODUCTION COST TRACKER.

1

A The Company proposes to implement a tracker mechanism for production costs
(e.g., Fuel and Power, Chemicals, Waste Disposal, and Purchased Water), if the RSM
as proposed by MAWC is not approved.³⁷ The Company claims that these costs are
outside of the Company's control.³⁸

Q WHAT IS YOUR RECOMMENDATION WITH RESPECT TO THE PROPOSED 9 PRODUCTION COST TRACKER?

10 A The Company's proposed production cost tracker should be rejected. This proposal 11 constitutes single-issue ratemaking and disrupts the balance of operating efficiency 12 incentives present in normal rate of return ratemaking. This proposal shifts regulatory 13 risk to customers and allows the Company to recover certain components of its revenue 14 requirement on a piecemeal basis, outside of a full base rate case, which undermines 15 the Commission's ability to evaluate the sufficiency of the Company's rates based on 16 the totality of the utility's costs and revenues for a given test year.

Further, the costs proposed for inclusion in the tracker mechanism are not volatile, unpredictable, or largely outside of the Company's control such that they warrant being tracked. The Company has some degree of control of production costs through contracts for the associated products. These costs are normal operating costs of MAWC and should not qualify for special deferral accounting.

³⁷Direct Testimony of Brian LaGrand at page 32, lines 6-9, 11, and 22 through page 33, lines 1-3. ³⁸*Id.* at page 33, lines 6-7.

Lastly, the Company has not shown that it would not have a reasonable
 opportunity to earn its authorized return without such a tracker mechanism.

3 Q DOES THIS CONCLUDE YOUR DIRECT/REBUTTAL TESTIMONY?

4 A Yes, it does.

Qualifications of Jessica A. York

1 Q PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A Jessica York. My business address is 16690 Swingley Ridge Road, Suite 140,
Chesterfield, MO 63017.

4 Q PLEASE STATE YOUR OCCUPATION.

5 A I am a consultant in the field of public utility regulation and a Principal with the firm of
6 Brubaker & Associates, Inc. ("BAI"), energy, economic and regulatory consultants.

7 Q PLEASE IDENTIFY THE JURISDICTIONS IN WHICH YOU HAVE PREVIOUSLY

8 **SPONSORED TESTIMONY.**

9 A I have sponsored expert testimony in front of the Idaho Public Utilities Commission, the
10 Illinois Commerce Commission, Indiana Utility Regulatory Commission, the Iowa
11 Utilities Commission, the Kansas Corporation Commission, the Michigan Public
12 Service Commission, the Minnesota Public Utilities Commission, the Missouri Public
13 Service Commission, the Public Utilities Commission of Nevada, the Oklahoma
14 Corporation Commission, the Virginia State Corporation Commission, and the Public
15 Service Commission of Wisconsin.

16 Q PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL 17 EMPLOYMENT EXPERIENCE.

A I graduated from Truman State University in 2008 where I received my Bachelor of
 Science Degree in Mathematics with minors in Statistics and Actuarial Science. I
 earned my Master of Business Administration Degree with a concentration in Finance
 from the University of Missouri-St. Louis in 2014.

I joined BAI in 2011 as an analyst. Then, in March 2015, I joined the consulting
 team of BAI.

3 I have worked in various electric, natural gas and water and wastewater 4 regulatory proceedings addressing cost of capital, sales revenue forecasts, revenue 5 requirement assessments, class cost of service studies, rate design, and various policy 6 issues. I have also conducted competitive power and natural gas solicitations on behalf 7 of large electric and natural gas users, have assisted those large power and natural 8 gas users in developing procurement plans and strategies, assisted in competitive 9 contract negotiations, and power and natural gas contract supply administration. In the 10 regulated arena. I have evaluated cost of service studies and rate designs proffered by 11 other parties in cases for various utilities, including in Idaho, Illinois, Indiana, Kansas, 12 Wisconsin and others. I have conducted bill audits, rate forecasts and tariff rate 13 optimization studies.

I have also provided support to clients with facilities in deregulated markets,
 including drafting supply requests for proposals, evaluating supply bids, and auditing
 competitive supply bills. I have also prepared and presented to clients reports that
 monitor the electric market and recommend strategic hedging transactions.

BAI was formed in April 1995. BAI and its predecessor firm have participated
in more than 700 regulatory proceedings in forty states and Canada.

BAI provides consulting services in the economic, technical, accounting, and financial aspects of public utility rates and in the acquisition of utility and energy services through RFPs and negotiations, in both regulated and unregulated markets. Our clients include large industrial and institutional customers, some utilities and, on occasion, state regulatory agencies. We also prepare special studies and reports, forecasts, surveys and siting studies, and present seminars on utility-related issues.

> Jessica A. York Appendix A Page 2

- In general, we are engaged in energy and regulatory consulting, economic
 analysis and contract negotiation.
- In addition to our main office in St. Louis, the firm also has branch offices in
 Corpus Christi, Texas; Louisville, Kentucky and Phoenix, Arizona.

515914

Jessica A. York Appendix A Page 3

BRUBAKER & ASSOCIATES, INC.

MIEC 1-15

DATA INFORMATION REQUEST Missouri-American Water Company WR-2024-0320 General Rate Case

Requested From: Ashley M. Randell

Date Requested: 10/18/2024

Information Requested:

"Please refer to Schedule MWM-1, page 1 of 29.

a. Please explain why Source of Supply expenses have not been allocated to the Public Fire class.

b. Please explain why Water Treatment costs have not been allocated to the Public Fire class.

c. Please confirm that potable water is used to serve the Public Fire class. If not confirmed, please provide a detailed explanation supporting the response."

Requested By: Jaime N. Reifsteck (jreifsteck@chgolaw.com)

Information Provided:

- a. It would be appropriate to allocate some portion of the fixed costs associated with Source of Supply costs to fire service customer classes, although many water cost of services analyses do not do so because Source of Supply costs are largely associated with providing volumes of water over the long-term and not for emergency situations.
- b. Water Treatment costs were not allocated to fire service classes because water treatment costs are incurred primarily to provide potable water service, and potable water is not generally needed for firefighting purposes.
- c. Potable water is used to serve the Public Fire class.

Responsible Witness: Max W. McClellan

MIEC 1-08

DATA INFORMATION REQUEST Missouri-American Water Company WR-2024-0320 General Rate Case

Requested From: Ashley M. Randell

Date Requested: 10/18/2024

Information Requested:

"Please refer to Case No. WR-2022-0303, Mr. Selinger's direct testimony, Schedule WES-1, Tab: Usage Statistics, page 2 of 2.

a. Please confirm that the system load factor (maximum day excluding fire) was 0.5560. If not confirmed, please provide a detailed explanation supporting the response.

b. Please confirm that in the current case, Schedule MWM-1, page 24 shows a system load factor (maximum day excluding fire) of 0.6491. If not confirmed, please provide a detailed explanation supporting the response.

c. Please provide a detailed explanation describing the drivers of the increase in system load factor (maximum day excluding fire) for St. Louis County between the last rate case, and the current rate case."

Requested By: Jaime N. Reifsteck (jreifsteck@chgolaw.com)

Information Provided:

On October 28, 2024, the Company objected to data request 1-8c because the responsive information is not relevant to the subject proceeding, not proportional to the needs of the case considering the totality of the circumstances, nor reasonably calculated to lead to the discovery of admissible evidence in that it requests a comparison of data between the last rate case, and the current rate case, while the Commission will use a test year of the 12 months ending December 31, 2023 and a true-up period of the 12 months ending December, 31, 2024, and consider propose specific (discrete) adjustments, to set rates in this case.

Subject to and without waiving the objection, please see the responses below.

a. The system load factor in Schedule WES-1 of Case No. WR-2022-0303 was 0.5560.

b. Schedule MWM-1 of the current case shows a system load factor of 0.6491.

c. In Case No. WR-2022-0303, the system load factor was the result of dividing the average daily system deliveries of the years 2019, 2020, and 2021 by the maximum of the system deliveries in 2021. This calculation was 139,868,602 / 251,565,000 = 0.5560.

In the current case, the system load factor was the result of dividing the average daily system deliveries of the years 2021, 2022, and 2023 by the maximum of the daily system deliveries in 2023. This calculation is 145,715,632 / 224,493,180 = 0.6491.

The daily consumption patterns of multiple customer classes were likely interrupted or even permanently changed as the result of the 2020 public health emergency and the many impacts of that health emergency including supply chain interruptions, remote/hybrid work, remote schooling, and temporary or permanent business closures.

Responsible Witness:

Max W. McClellan

Missouri-American Water Company Class Cost of Service Study - Functional Allocators to Customer Class Case No: WR-2024-0320, SR-2024-0321

															Rate F				
		Functional COS	Allo	Description	 Residential	Ν	Ion-Residential		Rate J		Rate B		Rate P	Pri	ivate Fire	Public Fire		Total	Variance
Source of Supply Expense																			
Fixed	\$	15,243,185	3	Base/Extra Daily w/ Fire	\$ 8,609,515	\$	3,128,228 \$		1,406,420 \$	5	557,107 \$		762,168		174,607	605,138	\$	15,243,185	\$ -
Variable	\$	448,716	1	Total Usage	\$ 254,549	\$	87,551 \$		55,212 \$	5	20,191	\$	30,631	\$	581	\$ -	\$	448,716	\$ -
Power and Pumping Expenses																			
Fixed	\$	27,149,791	3	Base/Extra Daily w/ Fire	\$ -,,				2,504,990 \$				1,357,505		310,995	1,077,818		27,149,791	-
Variable	\$	(1,566)	1	Total Usage	\$ (888)	\$	(305) \$		(193) \$	5	(70) \$	ŝ	(107)	\$	(2)	\$ -	\$	(1,566)	\$ -
Water Treatment																			
Fixed	\$	50,376,466	3	Base/Extra Daily w/ Fire	\$ -,,				4,648,011 \$		1,841,155			•	577,052	,,	\$	50,376,466	-
Variable	\$	16,572,804	1	Total Usage	\$ 9,401,468	\$	3,233,588 \$		2,039,204 \$	5	745,747	ŝ	1,131,319	\$	21,477	\$ -	\$	16,572,804	\$ -
Transmission	\$	19,794,799	3	Base/Extra Daily w/ Fire	\$ 11,180,316	\$	4,062,317 \$		1,826,378 \$	5	723,459	\$	989,751	\$	226,745	\$ 785,833	\$	19,794,799	\$ -
Distribution	\$	189,493,756	4	Base/Extra Hourly w/ Fire	\$ 139,285,804	\$	30,039,657 \$		155,639 \$	5	997,576	\$	-	\$	4,266,300	\$ 14,748,780	\$	189,493,756	\$ -
Storage	\$	2,928,346	5	Storage	\$ 1,911,516		, ,		158,667 \$		56,937	\$	77,863		75,840	\$ 260,782	\$	2,928,346	-
Meters	\$	52,285,566	8	Meters	\$ 40,355,087	\$	10,982,530 \$		947,949 \$		- 9	\$	-			\$ -	\$	52,285,566	\$ -
Services	\$	36,925,635	9	Services	\$ 29,212,576				120,499 \$		- 9		-	\$	3,517,121	-	\$	36,925,635	-
Customers	\$	17,939,480	10	Customers	\$ 16,590,643		, .		8,212 \$		205 \$			\$	393,481		\$	17,939,480	-
Hydrants	\$	18,093,354	7	Hydrants	\$ -	\$	- \$		- \$	5	- 5	\$	-	\$	20,939	\$ 18,072,415	\$	18,093,354	\$ -
Total	\$	447,250,332			\$ 300,588,255			1	, , ,	\$	5,934,575	\$	6,868,086	\$		37,550,658	\$		\$ -
					67.21%		16.29%		3.10%		1.33%		1.54%		2.14%	8.40%		100.00%	
Rate Year Water Revenue	\$	313,638,057			\$ 219,196,203	\$	68,531,934 \$	1	L1,296,485 \$	5	4,931,008	\$	4,684,084	\$	4,998,343	\$ -	\$	313,638,057	\$ -
Other Water Operating Revenue	s\$	2,879,768																	
Increase	\$	133,612,275			\$ 81,392,052	\$	4,320,699 \$		2,574,503 \$	5	1,003,567	\$	2,184,001	\$	4,586,794	\$ 37,550,658	\$	133,612,274	\$ (1)
Percent Increase		42.6%			37.13%	,	6.30%		22.79%		20.35%		46.63%		91.77%	0.00%		42.60%	
					0.87		0.15		0.53		0.48		1.09		2.15	-		1.00	
Rate Year Revenue					\$ 219,196,203	\$	68,531,934 \$	1	L1,296,485 \$	5	4,931,008	\$	4,684,084	\$	4,998,343	\$		313,638,057	
Cost of Service Increase					\$ - / /		,,		2,574,503 \$	5	1,003,567	\$	2,184,001	\$	4,586,794		-	133,612,274	
Allocation of Public Fire					\$ 28,982,379				680,802							(37,550,658)		-	
Revenue Target					\$ 329,570,633			1	, , ,	5	5,934,575	\$	6,868,085	\$			\$	447,250,331	
Percent Increase					50.4%		17.8%		28.8%		20.4%		46.6%		91.8%	0.0%		42.6%	
Including Increase	\$	450,130,101																	
Workpaper		450,130,101																	
	\$	(0)																	

Variable Cost \$ 17,019,954

Case No: WR-2024-0320, SR-2024-0321			Source of		Water	.					. ·		-	
Course of Susaha Susana	Post Test Year	Alloc Description	Supply	Pumping	Treatment	Transmission	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Varian
Source of Supply Expense														
Operating Expense	\$ 449,333	A Source of Supply	ć 440.333	¢	s -	<u>,</u>	s -	s -	s -	s -	<u>,</u>	\$ - :	¢ 440.222.4	~
Purchased Water			\$ 449,333			ş -					ş -			
Fuel and Power	\$ 4,759,803	A Source of Supply	\$ 4,759,803		\$ -	\$ -	\$ -	\$ -	\$ -	ş -	ş -	\$ - :		
Salaries and Wages	\$ 4,894	A Source of Supply			\$ -	ş -	\$ -	ş -	ş -	\$ -	ş -	\$ - :		
Contract Services - Other	\$ 302,230	A Source of Supply	\$ 302,230	\$ -	ş -	\$ -	\$ -	ş -	ş -	\$ -	ş -	\$ - :		
Building Maintenance and Services	\$ 439,514	A Source of Supply	+	\$ -	\$ -	\$-	\$-	\$-	\$-	\$ -	\$ -	\$ - 5		
Miscellaneous	\$ 327	A Source of Supply	\$ 327	\$-	ş -	\$-	\$-	\$-	\$ -	\$-	\$ -	\$ - !	\$ 327 \$	\$
Telelcommunications	\$ 6,580	A Source of Supply	\$ 6,580	\$ -	ş -	\$ -	\$-	ş -	\$ -	\$-	ş -	\$ - 5	\$ 6,580 \$	\$
Postage	\$ -	A Source of Supply	\$-	\$ -	\$ -	\$-	\$ -	\$-	\$-	\$-	\$ -	\$ - 5	\$	\$
Office supplies and services	\$ 7,237	A Source of Supply	\$ 7,237	s -	s -	s -	s -	s -	s -	s -	s -	s - s		
Materials & Supplies	\$ 6,731	A Source of Supply	\$ 6,731	s -	s -	s -	s -	s -	s -	s -	s -	s - s		
Rents-Property	\$ 5,770	A Source of Supply	\$ 5,770		s -	s -	s -	s -	s -	s -	s -	s - :		
Rents-Equipment	\$ 5,455	A Source of Supply	\$ 5,455		s -	s -	s -	s -	\$ -	\$ -	s -	\$ - S		
Transportation	\$ 1,911	A Source of Supply	\$ 1,911		¢ .	š -	¢ .	š -	š -	\$ -	ŝ.	\$ - S		
Tansportation	\$ 5,989,786	A Source of Supply	\$ 5,989,786		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	1.	
Maintenance Expense	\$ 5,565,780		\$ 5,565,766		÷ .	, -	÷ .	ý -	ý -	÷ -	Ŷ.	, - ,	, 5,565,760	Ŷ
Salaries and Wages	\$ 205,668	A Source of Supply	\$ 205,668	ć	s -	s -	s -	s -	ś -	s -	s -	\$ - S	\$ 205,668	¢
	\$ 205,008					s -		s -	s -	s -	s -			
Materials & Supplies		A Source of Supply	\$ 76,176		\$ -	+	\$ -	¥.	Ŧ	Ŧ	+	· ·		
Transportation	\$ 4,911	A Source of Supply	\$ 4,911		\$ -	\$ -	\$ -	ş -	\$ -	ş -	\$ -	\$ - 5		
Miscellaneous	\$ 14,158	A Source of Supply	\$ 14,158		\$ -	\$ -	\$ -	\$ -	\$ -	ş -	\$ -	\$ - 5		
Contract Services - Eng	\$ -	A Source of Supply		+	\$ -	\$ -	\$ -	\$ -	\$ -	\$-	\$ -	\$ - 5		
Contract Services - Other	\$ 103,465	A Source of Supply	\$ 103,465		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5		
	\$ 404,378		\$ 404,378	\$ -	\$ -	\$-	\$ -	\$ -	\$-	\$ -	\$-	\$ - 5	\$ 404,378 \$	\$
Total SS Expense	\$ 6,394,164		\$ 6,394,164	\$ -	\$ -	\$-	\$-	\$ -	\$-	\$-	\$-	\$ - :	\$ 6,394,164	\$
Power and Pumping Expenses														
Operating Expense														
Fuel and Power	\$ 3,404,675	B Pumping	s -	\$ 3,404,675	¢	s -	s -	s -	ś -	s -	s -	s - :	\$ 3,404,675	¢
Salaries and Wages	\$ 1,520,857	B Pumping		\$ 1,520,857		s -	s -	s -	ş - S -	ş - S -	s -	s - 5		
						+		-			Ŧ			
Employee Benefits	\$ 1,602	B Pumping		\$ 1,602		\$ -	\$ -	ş -	\$ -	\$ -	\$ -	\$ - 5		
Building Maintenance and Services	\$ 3,770	B Pumping		\$ 3,770		\$ -	ş -	ş -	ş -	ş -	ş -	\$ - 5		
Miscellaneous	\$ 3,523	B Pumping	\$ -	\$ 3,523	\$ -	\$-	\$ -	\$-	\$ -	\$ -	\$ -	\$ - 5	\$ 3,523 \$	\$
Office supplies and services	\$ 192	B Pumping	\$ -	\$ 192	s -	s -	\$ -	s -	\$ -	\$ -	\$ -	s - s	\$ 192 \$	\$
Materials & Supplies	\$ 12,263	B Pumping		\$ 12,263		s -	s -	s -	s -	s -	s -	\$ - s		
Rents-Equipment	\$ 4,852	B Pumping		\$ 4,852		š -	s -	s -	\$ -	\$ -	š -	\$ - S		
Transportation	\$ 136,768	B Pumping		\$ 136,768		ç	¢	ç	ç	\$ -	ç	\$ - ·		ć
Transportation	\$ 5,088,502	B Fullipling	Ŧ	\$ 5,088,502		3 - S -	ş -	3 - S -	ş -	ş -	ş -	\$ - 5		\$
Maintenance Expense														
Salaries and Wages	\$ 622,608	B Pumping		\$ 622,608		\$ -	\$-	ş -	\$-	\$-	\$ -	\$ - 5		
Transportation	\$ 7,261	B Pumping	\$ -	\$ 7,261	\$ -	\$-	\$ -	ş -	\$-	\$ -	\$ -	\$ - 5	\$ 7,261 \$	\$
Contract Services - Eng	\$ 9.407	B Pumping	\$ -	\$ 9.407	s -	\$ -	s -	s -	\$ -	s -	Ś -	s - :	\$ 9.407 S	Ś
Contract Services - Other	\$ 551,245	B Pumping	\$ -		s -	š -	s -	ŝ .	¢ .	s -	š .	\$ - ·		
Miscellaneous	\$ 3.075	B Pumping		\$ 3,075	T	+	s -	\$ -	s -	s -	s -	\$ - 5		
				\$ 3,075 \$ 129,037		\$ -	\$ -	\$ - \$ -	Ŧ	s -	ş -	s - :		
Materials & Supplies	\$ 129,037	B Pumping	Ŧ			Ŷ	Ŷ	Ŷ	ş -	Ŧ	<u>ş</u> -			
	\$ 1,322,633			\$ 1,322,633	ş -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - 5	\$ 1,322,633 \$	Ş
Total Pumping Expense	\$ 6,411,135		\$-	\$ 6,411,135	\$-	\$-	\$ -	\$-	\$-	\$-	\$-	\$ - 5	\$ 6,411,135 \$	\$
Water Treatment Operating Expense														
Fuel and Power	\$ 701,440	C Water Treatment	\$ -	s -	\$ 701,440	<u>د</u> -	s -	s -	s -	s -	\$ -	\$ - S	\$ 701,440 \$	s
Chemicals	\$ 16,120,089	C Water Treatment			\$ 16,120,089		s -	s -	s -	ş -	é .	\$ - 5		
							s -	s - s -	s -	+				
Waste Disposal	\$ 456,115	C Water Treatment			\$ 456,115		+	Ŧ	Ŧ	\$ -	ۍ د د	\$ - 5		
Salaries and Wages	\$ 3,318,043	C Water Treatment	+	+	\$ 3,318,043		ş -	\$ -	\$ -	ş -	\$ -	\$ - 5		
Employee Benefits	\$ 30	C Water Treatment	+	+	\$ 30	Ŧ	\$-	\$-	\$-	\$-	\$-	\$ - 5		
Contract Services - Eng	\$ 20,736	C Water Treatment	\$-	\$-	\$ 20,736	\$-	\$-	\$-	\$-	\$ -	\$-	\$ - 5	\$ 20,736 \$	\$
Contract Services - Other	\$ 192,850	C Water Treatment	s -	s -	\$ 192,850	s -	s -	\$ -	s -	s -	\$ -	s	\$ 192,850	ŝ
Building Maintenance and Services	\$ 44,122	C Water Treatment	\$ -	\$ -	\$ 44,122		s -	s -	\$ -	\$ -	s -	\$ - S		
Miscellaneous	\$ 268,777	C Water Treatment		+	\$ 268,777		s -	\$ -	s -	s -	s -	\$ - S		
Telelcommunications	\$ 6,652	C Water Treatment		+	\$ 6,652	+	\$ - \$ -	s -	s -	ş - s -	é .	s - s		
	\$ 6,652						Ŷ	Ŷ	+	+				
Postage	Ş -	C Water Treatment			ş -	\$ -	\$ -	\$ -	\$ -	ş -	ş -	\$ - 5		\$
	\$ 28,340	C Water Treatment			\$ 28,340		\$ -	\$ -	\$-	\$ -	ş -	\$ - 5		
Office supplies and services	\$ 46,653	C Water Treatment	\$-	\$-	\$ 46,653		\$-	\$-	\$-	\$ -	\$-	\$ - 5		
Materials & Supplies	÷ +0,000										<u>^</u>	<u>^</u>	\$ 127 \$	<u>~</u>
	\$ 127	C Water Treatment	\$ -	\$ -	\$ 127	\$ -	\$-	\$ -	\$ -	\$-	ş -	ş.,	> 12/ 3	Ş
Materials & Supplies Rents-Property		C Water Treatment C Water Treatment	Ŧ	+	\$ 127 \$ (129,610		s - s -	s - s -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - 5		
Materials & Supplies	\$ 127		Ŧ	+)\$ -	Ŧ	Ŧ	Ŧ	+	\$ - \$ -	· ·		\$

Class Cost of Service Study - Account Detail																	
Case No: WR-2024-0320, SR-2024-0321			Sou	urce of		w	/ater										
	Post Test Year	Alloc Description	Si	upply	Pumping	Trea	atment	Transmission	Distribution	Storage	Meters	Services	Customers	. Hy	/drants	Total	Variance
Maintenance Expense																	
Salaries and Wages	\$ 1,370,672	C Water Treatment	\$	-	\$-	\$1,	,370,672 \$	\$	\$	\$	\$ - ·	\$ -	\$ -	\$	- \$	1,370,672 \$	
Transportation	\$ 13,840	C Water Treatment	\$	-	\$-	\$	13,840 \$	\$	\$	\$- !	\$ - '	\$ -	\$ -	\$	- \$	13,840 \$	j -
Contract Services - Eng	\$ 28,475	C Water Treatment	Ś		\$ -	\$	28,475 \$	\$ - :	s - :	s - :	\$ - ·	\$ -	\$ -	\$	- \$	28,475 \$	- ز
Contract Services - Other	\$ 453,996	C Water Treatment	ŝ		s -	s .	453,996 \$		s - :	s	s -	s -	s -	ŝ	- \$	453,996 \$	
Miscellaneous	\$ 61,296	C Water Treatment	ŝ		\$ -				•	s -		\$ -	s -	ŝ	- \$	61,296 \$	
						Ŷ	61,296 \$								+		
Materials & Supplies	\$ 798,688	C Water Treatment	\$		\$ -		798,688 \$		<i>-</i>	\$	Ŷ	\$ -	ş -	\$	- \$	798,688 \$	
	\$ 2,726,967		\$	-	\$-	\$2,	,726,967 \$	\$-:	\$	\$	\$ - !	\$ -	\$ -	\$	- \$	2,726,967 \$	
Total Water Treatment Expense	\$ 23,805,535		\$	-	\$-	\$ 23,	,805,535 \$	\$	\$	\$ - :	\$	\$-	\$-	\$	- \$	23,805,535 \$	÷ -
Transmission & Distribution Expense																	
Operating Expense																	
Fuel and Power	\$ 556,928	1 T/D Oper. Expense	Ś		s -	Ś	- 5	\$ 35,182	\$ 336,548	s - :	\$ 185,199	¢ .	s -	s	- \$	556,928 \$	
Salaries and Wages	\$ 6,153,428	1 T/D Oper. Expense	ŝ		š -	ŝ	- 5						š -	ŝ	- \$	6,153,428 \$	
Employee Benefits	\$ 6,794	1 T/D Oper. Expense	\$		\$ -	Ŷ	Ť		+ .,===				Ŷ	Ŷ	- \$	6,794 \$	
Contract Services - Eng	\$ 18,139	 T/D Oper. Expense 	\$	-	\$-	\$	- \$						\$ -	\$	- \$	18,139 \$	
Contract Services - Other	\$ 2,560,216	1 T/D Oper. Expense	\$	-	\$-	\$	- \$	\$ 161,731	\$ 1,547,120	\$- !	\$ 851,365	\$ -	\$ -	\$	- \$	2,560,216 \$	j -
Building Maintenance and Services	\$ 125,077	1 T/D Oper. Expense	Ś		s -	Ś	- 5	\$ 7,901	\$ 75,583	s - :	\$ 41,593	s -	s -	Ś	- Ś	125,077 \$	÷ -
Miscellaneous	\$ 110,255	1 T/D Oper. Expense	ŝ		š -	ŝ	- 5						ŝ -	ŝ	- Š	110,255 \$	
							Ť						+		Ŷ		
Telelcommunications	\$ 40,924	1 T/D Oper. Expense	\$		ş -	\$	- \$	-,					\$ -	\$	- \$	40,924 \$	
Postage	\$ -	 T/D Oper. Expense 	\$	-	\$-	\$	- \$					+	\$-	\$	- \$	- \$	-
Office supplies and services	\$ 72,133	1 T/D Oper. Expense	\$	-	\$-	\$	- \$	\$ 4,557	\$ 43,590	\$	\$ 23,987	\$ -	\$ -	\$	- \$	72,133 \$	j -
Materials & Supplies	\$ 406,122	1 T/D Oper. Expense	s		s -	ŝ	- s						s -	s	- s	406,122 \$	
Rents-Property	\$ 400,122	1 T/D Oper. Expense	ŝ		ş - S -								s -	ŝ	- \$	4,609 \$	
													+		+		
Rents-Equipment	\$ 63,597	1 T/D Oper. Expense	\$	-	\$-	\$	- \$,-=					ş -	\$	- \$	63,597 \$	
Transportation	\$ 1,205,033	1 T/D Oper. Expense	\$		\$-	\$		\$ 76,123			\$ 400,718 \$		\$-	\$	- \$	1,205,033 \$	
	\$ 11,323,255		\$	-	\$-	\$	- \$	\$ 715,298	\$ 6,842,560	\$	\$ 3,765,396	\$-	\$-	\$	- \$	11,323,255 \$	-
Maintonanco Evnonco																	
Maintenance Expense																	
Salaries and Wages	\$ 1,752,724	2 T/D Maint Expense	\$	-	\$-	\$	- \$								597,096 \$	1,752,724 \$	
Contract Services - Eng	\$ 77,273	2 T/D Maint Expense	\$	-	\$-	\$	- \$	\$ 2,439	\$ 23,330	\$ 3,248	\$ 6,920 \$	\$ 15,012	2\$-	\$	26,324 \$	77,273 \$	ŝ -
Contract Services - Other	\$ 3,638,470	2 T/D Maint Expense	s		s -	Ś	- \$	\$ 114,833	\$ 1,098,500	\$ 152,956	\$ 325,843	\$ 706,830	ns -	\$ 1	1,239,508 \$	3,638,470 \$	÷ -
Transportation	\$ 418,594	2 T/D Maint Expense	ŝ		s -		- ŝ								142,601 \$	418,594 \$	
Miscellaneous	\$ 625,128	2 T/D Maint Expense	\$	-	\$-	\$	- \$		\$ 188,734						212,961 \$	625,128 \$	
Materials & Supplies	\$ 1,065,502	2 T/D Maint Expense	\$	-	\$ -	\$	- ;	\$ 33,628							362,982 \$	1,065,502 \$	
	\$ 7,577,692		\$	-	\$ -	\$	- \$	\$ 239,159	\$ 2,287,800	\$ 318,554	\$ 678,620 \$	\$ 1,472,085	5\$-	\$ 2	2,581,473 \$	7,577,692 \$, -
Total T&D Expense	\$ 18,900,946		\$	-	\$-	\$	- \$	\$ 954,457	\$ 9,130,360	\$ 318,554 \$	\$ 4,444,017 \$	\$ 1,472,085	5\$-	\$ 2	2,581,473 \$	18,900,946 \$	
General Mains Expense																	
Operations																	
Salaries and Wages	\$ 1,176,244	K Mains	Ś	-	Ś -	Ś	- \$	\$ 111,323	\$ 1,064,921	\$- 5	\$ - ·	\$ -	Ś -	\$	- \$	1,176,244 \$	- ذ
Miscellaneous	\$ 1,659	K Mains	ś		ś.	ŝ						š -	ŝ.	Ś	- 5	1,659 \$	
Wiscenarieous	\$ 1,177,903	K Wallis	~	-	\$ -	ŝ	- \$, ,	\$ -	\$ -	ŝ	- \$	1,177,903 \$	
	\$ 1,177,503		ş	-	ş .	ş		ş 111,400 .	\$ 1,000,425	ş .	,	ş -	ş -	ş	- >	1,177,505 \$	
Maintenance Expense																	
Salaries and Wages	\$ 286,942	K Mains	\$	-	\$-	\$	- \$	\$ 27,157	\$ 259,785	\$- !	\$- \$	\$ -	\$-	\$	- \$	286,942 \$	j -
Miscellaneous	\$ 6,755	K Mains	Ś	-	Ś -	Ś	- ś	\$ 639	\$ 6,116	s - :	\$ - ·	s -	Ś -	Ś	- Ś	6,755 \$	- ذ
	\$ 293,697		Ś		s -	Ś	- 5				ŝ -	s -	s -	Ś	- S	293,697 \$	
			Ŧ		•	•	Ť					•	•	Ŷ			
General Mains Expense	\$ 1,471,600		\$	-	\$-	\$	- \$	\$ 139,277	\$ 1,332,324	\$	\$	\$-	\$-	\$	- \$	1,471,600 \$	
Storage Expense																	
Operating Expense																	
Salaries and Wages	¢	F Storage	ć		s -	Ś	- ś	\$ - :	s - :	\$	s - :	¢	ś -	s	- \$	- ś	,
	3		2	-	, . ,	2		,	, . ,	,	· · ·		,	2	- ,	- ,	
Miscellaneous	\$ -	F Storage	ş	-	<u>ş -</u>	<u>ş</u>		ş -	ş -	ş	-	<u>ş -</u>	ş -	<u></u>	- <u>ş</u>	- ş	
	\$ -		Ş	-	Ş -	Ş	- \$	\$ - :	\$ - :	\$ - :	· - :	ş -	Ş -	\$	- >	- Ş	-
Maintenance Expense																	
Salaries and Wages	\$ 37,024	F Storage	ŝ		ş -	\$	- \$	\$	ş - :	\$ 37,024 \$	\$	c	\$ -	\$	- \$	37,024 \$	
	\$ 57,024		ç	-	ş .	\$	- ,	,	, .	5 57,024 .		э -	,	\$	- ,	57,024 Ş	
Miscellaneous	Ş -	F Storage	Ş	-	Ş -	Ş		ş - :	ş - :	ş - :	÷	ş -	Ş -	Ş	- Ş	- Ş	
	\$ 37,024		\$	-	\$ -	\$	- \$	\$	\$- !	\$ 37,024 \$	\$	\$ -	\$-	\$	- \$	37,024 \$, -
Total Storage Expense	\$ 37,024		\$	-	\$-	\$	- \$	\$	\$	\$ 37,024 \$	\$- \$	ş -	\$ -	\$	- \$	37,024 \$	
Meter Expense																	
Operating Expense																	
Salaries and Wages	\$ 581.233	G Meters	Ś		s -	s	- 5	s - :	s - :	\$	\$ 581,233	¢	s -	s	- \$	581,233 \$,
			ç	-	-	ç				s - :				ç	- >		
Miscellaneous	\$ 5,609	G Meters	\$	-	\$ -	<u>ş</u>		> -	\$ - S	> - :			ş -	\$	- Ş	5,609 \$	
	\$ 586,842		\$	-	ş -	\$	- \$	ş - :	ş - :	ş - :	\$ 586,842 \$	ş -	ş -	\$	- \$	586,842 \$	-
Maintenance Expense																	
Salaries and Wages	\$ 78,552	G Meters	Ś	-	\$ -	Ś	- Ś	s - 1	\$- !	\$- !	\$ 78,552 \$	ş -	\$ -	\$	- \$	78,552 \$, -
						-		- ·									
Miscellaneous	\$ 321	G Meters	ŝ	-	s -	ŝ	- 5	s - :	s - :	s - :	\$ 321 5	s -	\$ -	\$	- S	321 \$	· -
Miscellaneous	\$ 321	G Meters	\$		<u>\$</u>	\$	- \$	\$ - : \$ -	\$ - : \$ -	Ŧ			\$ - \$ -	\$	Ŧ		
Miscellaneous		G Meters	\$ \$	-	<u>\$</u> - \$-	\$	- (- \$	\$ - \$ -	\$ - \$ -	\$			\$ - \$ -	\$ \$	- \$ - \$	321 \$ 78,873 \$	

	Post Test Year	Alloc Description	Supply	Pumping	Treatment	Transmission	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Variand
Total Meter Expense	\$ 665,715		\$ -			\$-					\$-	\$ - \$	665,715 \$	
Service Expense														
Operating Expense	^	U. Candena	ś -	s -	s -	ś - :				ŝ -	s -	s - s	- ś	~
Salaries and Wages Miscellaneous	5	H Services H Services	\$ - ¢			s -	s - s s - s					\$-\$ \$-\$		
Wiscenarieous	S	11 Services	\$ -	\$ -	\$ -	\$ -	s - s		5 - 5	ŝ -	ş -	<u>s - s</u>	- \$	ŝ
Maintenance Expense														
Salaries and Wages	\$ 172,272	H Services	\$ -	\$ -	\$-	\$-	s - s							
Miscellaneous	\$ (1,179)	H Services	ş -	\$ -	ş -	\$ - :	ş - ş	- 9	<u>-</u>			\$ - \$	(1,179) \$	
	\$ 171,094		Ş -	ş -	Ş -	\$ - :	s - s	- 5	\$	\$ 171,094	Ş -	\$ - \$	171,094 \$	Ş
Total Service Expense	\$ 171,094		\$-	\$-	\$-	\$	\$-\$	- :	\$-\$	\$ 171,094	\$	\$-\$	171,094 \$	\$
ydrant Expense														
Maintenance Expense	A											A 200 C44 A	200 644 6	<u>,</u>
Salaries and Wages Miscellaneous	\$ 299,611 \$ 422	J Hydrants J Hydrants	\$ -		\$- \$-		\$-\$					\$ 299,611 \$ \$ 422 \$		
Miscenarieous	\$ 300.033	J Hyurants	ş - \$ -	Ŷ	s -	· ·	s - s S - S	,	,		Ŷ	\$ 300,033 \$		
Hydrant Expense	\$ 300,033		\$ -	\$-	\$-	\$-:	\$-\$	- :	5 - 5	\$-	\$	\$ 300,033 \$	300,033 \$	\$
ustomer Accounts														
Fuel and Power	\$ 1,643	I Customers	\$-	-	\$-		s - s	- 5		-	\$ 1,643		1,643 \$	
Salaries and Wages	\$ 674,071	I Customers	\$ -	\$-	\$-		\$-\$	- 5	\$-\$		\$ 674,071			
Contract Services - Other	\$ 201,390	I Customers	\$ -	\$ -	\$-	\$	\$-\$		s - s	\$ - i	\$ 201,390		201,390 \$	
Building Maintenance and Services	\$ 12,428	I Customers	\$ -	\$ -	\$ -			- 5		\$ - :			12,428 \$	
Miscellaneous	\$ -	I Customers	ş -	Ŷ		\$ - :			· · ·		ş - :		- \$	Ŧ
Telelcommunications	\$ 3,722	I Customers	ş -	ş -		\$ - :					\$ 3,722	· ·	3,722 \$	
Office supplies and services	\$ 3,014 \$ 90,815	I Customers I Customers	ş -	ş -	Ŧ	\$-: \$-:	7 T				\$ 3,014 \$ 90,815		3,014 \$ 90,815 \$	
Materials & Supplies	\$ 90,815		\$ - \$ -	ş -		s - :					\$ 90,815 \$ 259		90,815 \$ 259 \$	
Transportation Uncollectible Accounts	\$ 4,551,592	I Customers I Customers	s - s -	\$ - \$ -		s - :					\$ 4,551,592		4,551,592 \$	
Customer accounting, other	\$ 1,317,366	I Customers	- د د	ş - ¢ -	ş - S -		, , , , , , , , , , , , , , , , , , ,						1,317,366 \$	
	\$ 6,856,299		\$ -	ş -	Ŧ	\$ - :	ş - ş	- 9			\$ 6,856,299			
Total Customer Accounting Expense	\$ 6,856,299		\$-	\$-	\$-	\$	s - s		; . ;	5 - 1	\$ 6,856,299	\$-\$	6,856,299 \$	\$
dministrative & General Expense														
Operating Expense														
Fuel and Power	\$ 20,372	3 Fixed O&M	\$ 617	\$ 1,566	\$ 3,399	\$ 570			2,661 \$	\$ 856	\$ 3,570	\$ 1,500 \$	20,372 \$	\$
Salaries and Wages		4 Labor	\$ 138.262	\$ 1,407,470	\$ 3,078,766	\$ 382,498	\$ 3,658,987 \$	72,693	1,879,934				11,986,734 \$	\$
control and tropes	\$ 11,986,734	4 Labor	\$ 138,202	φ 1,407,470	\$ 3,070,700				5 1,8/9,934 3	\$ 336,699	\$ 442,617		11,980,734 \$	
Employee Benefits	\$ 6,477,503	4 Labor	\$ 74,715	\$ 760,582	\$ 1,663,732				1,015,896	\$ 181,949	\$ 239,186	\$ 318,185 \$	6,477,503 \$	
Employee Benefits Support Services Costs - Employee	\$ 6,477,503 \$ 15,296,573	4 Labor 4 Labor	\$ 74,715 \$ 176,439	\$ 760,582 \$ 1,796,108	\$ 1,663,732 \$ 3,928,890	\$ 488,116	\$ 4,669,326 \$	92,766	\$ 1,015,896 \$ \$ 2,399,031 \$	\$ 181,949 \$ 429,671	\$ 239,186 \$ 564,835	\$ 318,185 \$ \$ 751,392 \$	6,477,503 \$ 15,296,573 \$	\$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550	4 Labor 4 Labor 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642	\$ 760,582 \$ 1,796,108 \$ 1,181,352	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055	\$ 488,116 \$ 429,769	\$ 4,669,326 \$ \$ 4,111,184 \$	92,766 \$ 139,720 \$	\$ 1,015,896 \$ \$ 2,399,031 \$ \$ 2,007,807 \$	\$ 181,949 \$ 429,671 \$ 645,667	\$239,186 \$564,835 \$2,694,099	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$	\$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478	4 Labor 4 Labor 3 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416	\$ 488,116 \$ 429,769 \$ 405	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$	92,766 \$ 139,720 \$ 132 \$	1,015,896 5 2,399,031 5 2,007,807 5 1,891 5	\$ 181,949 \$ 429,671 \$ 645,667 \$ 608	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$	• \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327	4 Labor 4 Labor 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$	92,766 9 139,720 9 132 9 21,935 9	1,015,896 5 2,399,031 5 2,007,807 5 1,891 5 315,204 5	\$ 181,949 \$ 429,671 \$ 645,667 \$ 608 \$ 101,363	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 177,752 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$	\$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946	4 Labor 4 Labor 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$	92,766 9 139,720 9 132 9 21,935 9 1,926 9	\$ 1,015,896 \$ 2,399,031 \$ 2,007,807 \$ 1,891 \$ 315,204 \$ 27,682 \$	 \$ 181,949 \$ 429,671 \$ 645,667 \$ 608 \$ 101,363 \$ 8,902 	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 177,752 \$ \$ 15,611 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946 \$	- \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946 \$ 1,469,220	4 Labor 4 Labor 3 Fixed 0&M 3 Fixed 0&M 3 Fixed 0&M 3 Fixed 0&M 3 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 245,153	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$ \$ 392,923 \$	92,766 9 139,720 9 132 9 21,935 9 1,926 9 13,354 9	1,015,896 2,399,031 2,007,807 1,891 315,204 27,682 191,895 5	 181,949 429,671 645,667 608 101,363 8,902 61,709 	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 177,752 \$ \$ 15,611 \$ \$ 108,214 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946 \$ 1,469,220 \$	\$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946	4 Labor 4 Labor 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281	 \$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 245,153 \$ 202,540 	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$ \$ 392,923 \$ \$ 324,625 \$	92,766 \$ 139,720 \$ 132 \$ 21,935 \$ 1,926 \$ 13,354 \$ 11,032 \$	1,015,896 2,399,031 2,399,031 2,007,807 3,15,204 2,7,682 1,91,895 2,7,682 1,91,895 2,7682 1,91,895 2,7682 1,85,399 2,7682	\$ 181,949 \$ 429,671 \$ 645,667 \$ 608 \$ 101,363 \$ 8,902 \$ 61,709 \$ 50,983	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 177,752 \$ \$ 108,214 \$ \$ 89,404 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946 \$ 1,469,220 \$ 1,213,837 \$	\$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946 \$ 1,469,220 \$ 1,213,837 \$ -	4 Labor 4 Labor 3 Fixed 0&M 3 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ -	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ -	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 245,153 \$ 202,540 \$ -	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935 \$ -	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$ \$ 392,923 \$ \$ 324,625 \$ \$ - \$	92,766 \$ 139,720 \$ 132 \$ 21,935 \$ 1,926 \$ 13,354 \$ 11,032 \$ - \$	1,015,896 2,399,031 2,399,031 2,007,807 3,15,204 3,315,204 2,27,682 2,191,895 3,15,204 2,315,204 3,15,204 2,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,204 3,315,204 3,15,205 3,315,204 3,15,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204 3,18,205 3,315,204	 181,949 429,671 645,667 608 101,363 8,902 61,709 50,983 - 	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ -	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 177,752 \$ \$ 15,611 \$ \$ 108,214 \$ \$ 89,404 \$ \$ - \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 1,469,220 \$ 1,469,220 \$ 1,213,837 \$	- s s s s s s s s s s s
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,4,678 \$ 1,4,679,220 \$ 1,213,837 \$ - \$ 461,013	4 Labor 4 Labor 5 Fixed O&M 5 Fixed O&M 5 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 245,153 \$ 202,540 \$ - \$ 76,924	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935 \$ - \$ 12,889	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$ \$ 392,923 \$ \$ 324,625 \$ \$ - \$ \$ 123,292 \$	92,766 \$ 139,720 \$ 132 \$ 21,935 \$ 1,926 \$ 13,354 \$ 11,032 \$ - \$ 4,190 \$	1,015,896 2,399,031 2 2,007,807 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 2 3,15,204 2 3 3,15,204 2 3 3,15,204 2 3 3,15,204 2 3 3,15,204 3 3 3,15,204 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895 3 3 3,19,895	\$ 181,949 \$ 429,671 \$ 645,667 \$ 608 \$ 101,363 \$ 8,902 \$ 61,709 \$ 50,983 \$ - \$ 19,363	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 1,061 \$ \$ 15,611 \$ \$ 89,404 \$ \$ - \$ \$ 33,956 \$	6,477,503 \$ 15,296,573 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$	- s s s s s s s s s s s s s s s
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2.413,327 \$ 211,946 \$ 1.469,220 \$ 1.213,837 \$ - \$ 461,013 \$ 144,743	4 Labor 4 Labor 5 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 5,5428 \$ 11,123	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 245,153 \$ 202,540 \$ - \$ 76,924 \$ 24,152	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935 \$ - \$ 12,889 \$ 4,047	\$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$ \$ 392,923 \$ \$ 324,625 \$ \$ 123,292 \$ \$ 38,709 \$	92,766 \$ 139,720 \$ 132 \$ 21,935 \$ 1,926 \$ 13,354 \$ 11,032 \$ - \$ 4,190 \$ 1,316 \$	1,015,896 2,399,031 2,399,031 2,007,807 3,15,204 3,315,204 3,315,204 2,07,682 3,15,204 2,07,682 4,07,044 2,07,682 5,15,204 2,07,682 5,15,204 2,07,682 5,15,204 2,07,682 <td< td=""><td>181,949 429,671 645,667 608 101,363 8,902 61,709 50,983 9,363 9,363 6,079</td><td>\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 25,367</td><td>\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,166 \$ \$ 1,77,752 \$ \$ 10,661 \$ \$ 10,82,14 \$ \$ 89,404 \$ \$ 33,956 \$ \$ 30,956 \$</td><td>6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$</td><td>* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td></td<>	181,949 429,671 645,667 608 101,363 8,902 61,709 50,983 9,363 9,363 6,079	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 25,367	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,166 \$ \$ 1,77,752 \$ \$ 10,661 \$ \$ 10,82,14 \$ \$ 89,404 \$ \$ 33,956 \$ \$ 30,956 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,4478 \$ 2,11,946 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 5,1,398	4 Labor 4 Labor 5 Fixed 0&M 3 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428 \$ 11,123 \$ 3,950	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 202,540 \$ - \$ 76,924 \$ 76,924 \$ 24,152 \$ 8,576	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935 \$ - \$ 12,889 \$ 4,047 \$ 1,437	4,669,326 \$ 5 4,111,184 \$ 5 4,111,184 \$ 5 645,412 \$ 5 645,412 \$ 5 56,682 \$ 5 32,923 \$ 5 324,625 \$ 5 - \$ 5 123,292 \$ 5 38,709 \$ 5 13,746 \$	92,766 \$ 139,720 \$ 132 \$ 21,935 \$ 1,926 \$ 13,354 \$ 11,032 \$ 4,190 \$ 1,316 \$ 467 \$	1,015,896 2,399,031 2,399,031 2 2,2,07,807 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,204 2 3,15,8539 2 3,15,8539 2 4,005 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905 2 5,18,905	\$ 181,949 \$ 429,671 \$ 645,667 \$ 608 \$ 101,363 \$ 8,902 \$ 61,709 \$ 50,983 \$ - \$ 19,363 \$ 19,363 \$ 6,079 \$ 2,159	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 25,367 \$ 9,008	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,166 \$ \$ 1,066 \$ \$ 15,611 \$ \$ 108,214 \$ \$ 8,404 \$ \$ - \$ \$ 33,956 \$ \$ 10,661 \$ \$ - \$ \$ 3,3,956 \$ \$ 3,786 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 51,398 \$	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 1,4,978 \$ 1,4,978 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 144,743 \$ 14,388 \$ 258,765	4 Labor 4 Labor 5 Fixed 0&M 5 Fixed 0&M 3 Fixed 0&M	\$ 74,115 \$ 176,439 \$ 455,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557 \$ 7,838	\$ 760,582 \$ 1,796,108 \$ 1,81,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428 \$ 1,123 \$ 1,123 \$ 3,950 \$ 19,886	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 35,365 \$ 245,153 \$ 202,540 \$ - \$ 76,924 \$ 76,924 \$ 24,152 \$ 24,152 \$ 24,152 \$ 38,576 \$ 8,576	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935 \$ - \$ 12,889 \$ 4,047 \$ 4,047 \$ 1,437 \$ 7,234	4,669,326 \$ 4,669,326 \$ \$ 4,111,184 \$ \$ 3,872 \$ \$ 645,412 \$ \$ 56,682 \$ \$ 324,625 \$ \$ 324,625 \$ \$ 123,292 \$ \$ 13,746 \$ \$ 69,203 \$	92,766 \$ 139,720 \$ 132 \$ 21,935 \$ 1,926 \$ 13,354 \$ 11,032 \$ - \$ 4,190 \$ 1,316 \$ 467 \$ 2,352 \$	1,015,896 \$ 2,399,031 \$ 2,399,031 \$ 2,309,031 \$ 2,315,204 \$ 315,204 \$ 315,204 \$ 5,158,539 \$ 5,158,559	181,949 429,671 645,667 608 101,363 68,902 61,709 50,983 50 61,709 50,983 60,709 60,709 50,983 60,709 50,983 60,709 50,983 60,709 50,983 50,713 60,709 50,983 50,713 50,713 50,713 50,714 50,714 50,715 50,715 50,868	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 25,367 \$ 9,008 \$ 45,350	\$ 318,185 \$ \$ 751,392 \$ \$ 1,32,223 \$ \$ 1,066 \$ \$ 1,061 \$ \$ 108,214 \$ \$ 89,404 \$ \$ 33,956 \$ \$ 3,786 \$ \$ 3,786 \$ \$ 19,059 \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 5,1398 \$ 258,765 \$	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Admin Contract Services - Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment	\$ 6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,4478 \$ 2,11,946 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 5,1,398	4 Labor 4 Labor 5 Fixed 0&M 5 Fixed 0&M 3 Fixed 0&M	\$ 74,175 \$ 176,439 \$ 455,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557 \$ 7,838	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 2,565,055 \$ 2,416 \$ 402,686 \$ 402,686 \$ 245,153 \$ 202,540 \$ - \$ 76,924 \$ 24,152 \$ 76,924 \$ 24,152 \$ 8,576 \$ 43,177 \$ 4,354	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 3,935 \$ - \$ 12,889 \$ 4,047 \$ 1,437 \$ 7,234 \$ 7,234	4,669,326 \$ 5 4,111,184 \$ 5 4,111,184 \$ 5 645,412 \$ 5 645,412 \$ 5 56,682 \$ 5 324,625 \$ 5 123,292 \$ 5 132,746 \$ 5 69,203 \$ 6 99,003 \$	92,766 3 139,720 3 21,935 3 1,926 3 13,354 3 11,032 3 - 3 4,190 5 1,316 3 4,67 3 2,352 5 237 5	1,015,896 2 2,207,807 2 2,007,807 2 5 1,891 5 315,204 5 191,895 5 191,895 5 60,213 5 60,213 5 6,713 5 3,3797 5 3,408	5 181,949 5 429,671 6 645,667 6 608 5 101,363 5 61,709 5 50,983 5 - 6 19,363 5 - 6 19,363 5 - 6 19,363 5 - 6 19,363 5 - 6 10,868 5 10,868 5 10,968	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 225,7487 \$ - \$ 80,794 \$ 25,367 \$ 9,008 \$ 45,350 \$ 4,573	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,066 \$ \$ 1,77,752 \$ \$ 108,214 \$ \$ 89,404 \$ \$ 33,956 \$ \$ 10,661 \$ \$ 10,661 \$ \$ 19,059 \$ \$ 19,059 \$	6,477,503 \$ 15,226,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ 461,013 \$ 144,743 \$ 5,1,398 \$ 258,765 \$ 26,092 \$	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 211,946 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 51,398 \$ 258,765 \$ 26,092	4 Labor 4 Labor 5 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 455,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$	\$ 760,822 \$ 1,796,108 \$ 1,181,352 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005 \$ 88,530	\$ 1,663,732 \$ 3,928,800 \$ 2,555,055 \$ 2,416 \$ 402,686 \$ 402,686 \$ 245,153 \$ 245,153 \$ 245,153 \$ 225,540 \$ 22,540 \$ 22,540 \$ 22,540 \$ 24,152 \$ 76,924 \$ 43,177 \$ 4,354 \$ 192,224 \$ 192,224	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 5,925 \$ 3,3935 \$ - \$ 12,889 \$ 4,047 \$ 1,437 \$ 7,234 \$ 7,234 \$ 32,207 \$ 1,2356	4,669,326 \$ 4,11,1184 \$ 5 4,11,1184 5 3,872 \$ 4,645,412 \$ 56,682 \$ 324,625 \$ 324,625 \$ 13,746 \$ 69,03 \$ 6,978 \$ 308,091 \$ 13,146 \$ 6,978 \$ 308,091 \$ 118,199	92,766 9 139,720 9 132 2 1,935 9 1,926 9 13,354 9 4,190 9 4,190 9 4,190 9 4,190 9 4,190 9 2,352 9 237 9 10,471 9 4,017 9	1,015,896 2 2,2007,807 2 3,15,204 2 3,15,204 2 1,881 2 1,815 2 1,817 2 1,818 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 2 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3 1,819 3	181,949 429,671 645,667 608 101,363 8,902 6,61,709 5,0983 5,19,363 6,079 5,2,159 10,868 10,868 1,096 48,386	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 80,794 \$ 25,367 \$ 9,008 \$ 45,350 \$ 4,573 \$ 201,895	\$ 318,185 \$ \$ 75,1392 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,0541 \$ \$ 1,0559 \$ 1,9122 \$ 8 \$ 2,845,15	6,477,503 \$ 15,292,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,469,220 \$ 1,469,220 \$ 461,013 \$ 144,743 \$ 5,1,398 \$ 258,765 \$ 26,092 \$ 1,52,013 \$	* \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telekommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4 Labor 4 Labor 5 Fixed O&M 5 Fixed O&M 5 Fixed O&M 3 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4384 \$ 1,557 \$ 7,883 \$ 790 \$ 34,895 \$ 13,388 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005 \$ 88,530 \$ 33,965 \$ 348,40,62	\$ 1,663,722 3,928,890 \$ 2,555,055 \$ 2,416 \$ 402,686 \$ 402,686 \$ 402,686 \$ 202,540 \$ - \$ 76,924 \$ 245,153 \$ 202,540 \$ - \$ 76,924 \$ 24,152 \$ 8,576 \$ 4,3177 \$ 4,354 \$ 192,224 \$ 7,747 \$ 1,051,039	\$ 488,116 \$ 429,769 \$ 429,769 \$ 67,469 \$ 67,469 \$ 5,925 \$ 33,935 \$ - \$ 12,889 \$ 1,437 \$ 7,234 \$ 7,234 \$ 7,234 \$ 7,234 \$ 32,207 \$ 12,356 \$ 12,356	4,669,326 \$ 5 4,11,1184 \$ 5 3,872 \$ 5 3,872 \$ 5 6,45,412 \$ 5 5,662 \$ 5 32,223 \$ 5 12,3,292 \$ 5 13,746 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 5,08,001 \$ 5 3,08,001 \$ 5 1,8,109 \$ 5 1,8,164,569 \$	92,766 9 139,720 9 21,935 9 1,926 9 13,354 9 1,926 9 13,354 9 4,190 9 1,316 9 4,190 9 1,316 9 2,352 9 237 9 10,471 9 4,017 9 57,251 9	1,015,896 2,399,031 2 2,207,807 2,007,807 2 3,15,204 3 3 4 2,768,2 2 5 115,804 2 6 2,768,2 2 5 115,8539 2 5 6,0,213 2 6 6,0,213 2 5 13,895 2 6 3,3,797 2 6 3,3,797 3,408 5 150,464 2 5 5,7266 8 6 822,705 8	5 181,949 5 429,671 6 645,667 6 636,667 5 608 101,363 8,902 5 50,983 5 - 6 19,363 6 6,079 5 2,159 6 10,868 10,868 10,868 5 1,096 5 48,386 6 264,564	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 25,367 \$ 9,008 \$ 45,350 \$ 4,573 \$ 201,895 \$ 7,457 \$ 1,103,915	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,477,503 \$ 15,292,550 \$ 14,478 \$ 2,413,327 \$ 2,413,427 \$ 1,213,837 \$ 2,213,837 \$ 2,213,83	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,469,220 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,417,43 \$ 144,743 \$ 144,743 \$ 25,765 \$ 26,092 \$ 1,152,013 \$ 44,971	4 Labor 4 Labor 5 Fixed O&M 5 Fixed O&M 3 Fixed O&M 4 Fixed O&M 4 Fixed O&M 5 Fixed O&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4384 \$ 1,557 \$ 7,883 \$ 790 \$ 34,895 \$ 13,388 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798	\$ 760,582 \$ 1,796,108 \$ 1,81,352 \$ 1,81,352 \$ 1,81,352 \$ 1,81,460 \$ 16,288 \$ 112,907 \$ 35,428 \$ 11,123 \$ 3,950 \$ 3,965	\$ 1,663,722 3,928,890 \$ 2,555,055 \$ 2,416 \$ 402,686 \$ 402,686 \$ 402,686 \$ 202,540 \$ - \$ 76,924 \$ 245,153 \$ 202,540 \$ - \$ 76,924 \$ 24,152 \$ 8,576 \$ 4,3177 \$ 4,354 \$ 192,224 \$ 7,747 \$ 1,051,039	\$ 488,116 \$ 429,769 \$ 429,769 \$ 67,469 \$ 67,469 \$ 5,925 \$ 33,935 \$ - \$ 12,889 \$ 1,437 \$ 7,234 \$ 7,234 \$ 7,234 \$ 7,234 \$ 32,207 \$ 12,356 \$ 12,356	4,669,326 \$ 5 4,11,1184 \$ 5 3,872 \$ 5 3,872 \$ 5 6,45,412 \$ 5 5,662 \$ 5 32,223 \$ 5 12,3,292 \$ 5 13,746 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 6,9,203 \$ 5 3,08,091 \$ 5 1,8,199 \$ 5 1,8,191 \$ 5 1,8,455 \$	92,766 9 139,720 9 21,935 9 1,926 9 13,354 9 1,926 9 13,354 9 4,190 9 1,316 9 4,190 9 1,316 9 2,352 9 237 9 10,471 9 4,017 9 57,251 9	1,015,896 2 2,207,807 2 3,207,807 2 4,801 2 5 1,891 5 15,204 5 191,895 5 158,539 5 60,213 5 60,213 5 60,213 5 6,713 5 3,797 5 3,408 5 150,464 5 5,726	5 181,949 5 429,671 6 645,667 6 636,667 5 608 101,363 8,902 5 50,983 5 - 6 19,363 6 6,079 5 2,159 6 10,868 10,868 10,868 5 1,096 5 48,386 6 264,564	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ - \$ 80,794 \$ 25,367 \$ 9,008 \$ 45,350 \$ 4,573 \$ 201,895 \$ 7,457 \$ 1,103,915	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,477,503 \$ 15,292,550 \$ 14,478 \$ 2,413,327 \$ 2,413,427 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 1,213,837 \$ 2,258,765 \$ 2,6,092 \$ 1,152,013 \$ 441,971 \$ 2,6,298,945 \$	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telecommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense Insurance	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,469,220 \$ 1,469,220 \$ 461,013 \$ 461,013 \$ 144,743 \$ 5,1388 \$ 258,765 \$ 26,092 \$ 1,152,013 \$ 41,971 \$ 63,311,478	4 Labor 4 Labor 3 Fixed 0&M 5 Fixed 0&M 3 Fixed 0&M	\$ 74,1715 \$ 176,439 \$ 465,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557 \$ 7,838 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798 \$ 1,284,520	\$ 760,582 \$ 1,796,108 \$ 1,81,352 \$ 1,81,460 \$ 15,483 \$ 15,288 \$ 11,207 \$ 93,281 \$ 3,428 \$ 11,123 \$ 3,428 \$ 19,886 \$ 2,005 \$ 8,8530 \$ 38,965 \$ 484,062 \$ 6,235,074	\$ 1,663,722 3,928,890 \$ 2,565,055 \$ 422,686 \$ 402,686 \$ 35,365 \$ 24,16 \$ 202,540 \$ 24,152 \$ 76,924 \$ 24,152 \$ 76,924 \$ 24,152 \$ 43,177 \$ 4,354 \$ 192,224 \$ 73,747 \$ 1,051,035 \$ 13,602,196	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 33,935 \$ 12,889 \$ 4,047 \$ 1,289 \$ 4,047 \$ 7,234 \$ 7,234 \$ 7,234 \$ 7,234 \$ 7,234 \$ 7,234 \$ 7,235 \$ 32,207 \$ 1,2356 \$ 1,903,458 \$ 1,903,458	4,669,326 \$ 5 4,11,1184 5 3,872 5 3,872 5 6,682 5 332,923 5 324,625 5 324,625 5 123,292 5 337,46 5 6,9203 5 6,978 5 6,978 5 6,978 5 13,146 5 6,978 5 1,849 5 1,846 5 1,846 5 1,844,569 5 1,844,569 5 18,208,525	92,766 9 139,720 9 1322 2 21,935 9 1,926 9 13,354 9 1,3,054 9 1,3,054 9 1,3,156 9 4,190 9 1,316 9 4,190 9 1,316 9 2,352 4 2,352 4 2,352 4 10,471 9 2,352 9 4,017 9 9 4,017 9 1,017 9 9 1,017 9 1,017	1,015,896 2,399,031 2 2,207,807 2 2,007,807 5 1,891 2 6 125,204 2 5 1515,204 2 6 191,895 2 5 191,895 2 6 0,213 2 6 60,213 2 6 60,213 2 5 3,797 2 6 33,797 2 5 150,644 2 5 57,7266 822,705 6 9,154,471 2	5 181,949 429,671 645,667 5 623,667 5 101,363 6 8,902 5 19,363 5 19,363 5 19,363 5 10,868 5 10,868 5 10,868 5 1,086 5 264,564 5 264,564	\$ 239,186 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,737 \$	\$ 318,185 \$ \$ 751,392 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,177,52 \$ \$ 108,214 \$ \$ 108,214 \$ \$ 3,3956 \$ \$ 3,3956 \$ \$ 10,661 \$ \$ 3,3956 \$ \$ 10,661 \$ \$ 3,3956 \$ \$ 3,9356 \$ \$ 3,9356 \$ \$ 3,834,915 \$ \$ 463,944 \$ \$ 3,834,916 \$	6,477,503 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 14,478 \$ 1,469,220 \$ 1,213,837 \$ 461,013 \$ 144,743 \$ 51,338 \$ 258,765 \$ 26,092 \$ 1,152,013 \$ 441,971 \$ 63,311,478 \$	* \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense Insurance Maintenance Expense Salaries and Wages	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 1,526,765 \$ 26,892 \$ 1,52,013 \$ 41,971 \$ 6,238,945 \$ 63,311,478 \$ 97,407	4 Labor 4 Labor 5 Fixed 0&M 3 Fixed 0&M 4 Labor	\$ 74,715 \$ 176,439 \$ 455,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557 \$ 7,838 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798 \$ 1,284,520 \$ 1,284,520 \$ 1,124	\$ 760,822 \$ 1,796,108 \$ 1,181,352 \$ 1,181,352 \$ 18,460 \$ 16,288 \$ 112,907 \$ 39,281 \$ - \$ 35,428 \$ 11,123 \$ 3,955 \$ 484,062 \$ 6,235,074 \$ 11,437	\$ 1,663,722 3,928,890 \$ 2,565,055 \$ 422,686 \$ 422,686 \$ 35,365 \$ 243,153 \$ 202,540 \$ 76,924 \$ 24,152 \$ 76,924 \$ 24,152 \$ 43,177 \$ 4,354 \$ 192,224 \$ 192,224 \$ 192,224 \$ 192,224 \$ 1,051,039 \$ 1,3602,196 \$ 25,019	s 488,116 s 429,769 s 448,116 s 449,769 s 67,469 s 5,925 s 41,075 s - s 1,289 s 4,047 s 7,234 s 7,234 s 1,437 s 1,2356 s 1,203,458 s 1,203,458 s 1,903,458	4 4 669 326 5 5 4 1.11.184 5 3.872 5 5 3.872 5 5 5.872 5 5 5.66.82 5 3.92,923 5 1.8 5 5 1.684,569 5 5 5 29,734 5 5 29,734 5 5 5 1.8 5 5 1.8 5 5 1.684,569 5 5 5 <t< td=""><td>92,766 9 139,720 9 1322 2 21,935 9 1,926 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3356 9 4,190 9 2,352 9 4,753 9 2,525 9 4,753 9 2,525 9 4,753 9 2,525 9 4,753 9 2,525 9 4,753 9 2,525 9 2,555 9 2,5</td><td>5 1,015,896 2,399,031 2 6 2,399,031 2 2,007,807 2 5 2,007,807 2 3 3 15,204 2 5 3,15,204 2 5 15,85,39 2 5 15,85,39 2 5 6 6,213 2 6 6,213 2 5 3,797 2 3,408 2 3,408 2 5 5 5,77,26 5 5,277 5 3,408 5 5,77,26 5 5,9,154,471 5 15,277 5 3,278 5 5,77,726 5 5 5,77,726 5 5 7,726 5 5 7,726 5 5 7,726 5 5 7,726 5 5 7,527 5 5 15,277 5 5 15,277 5 5 5 5 5 5 5 7,526 5 5 5 5 7 5 5</td><td>5 181,949 6 429,671 6 645,667 6 636,667 6 101,363 5 101,363 6 107,983 5 5 19,363 6 5 19,363 6 1079 5 2,159 5 10,888 5 10,888 5 18,563 5 2,189,485 5 2,189,485</td><td>\$ 239.166 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 3,008 \$ 45,350 \$ 45,350 \$ 45,350 \$ 201,895 \$ 201,895 \$ 201,895 \$ 3,597 \$ 3,597</td><td>\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,15,213 \$ \$ 10665 \$ \$ 10675 \$ \$ 106,214 \$ \$ 88,404 \$ \$ 33,955 \$ \$ 33,956 \$ \$ 10,059 \$ \$ 10,059 \$ \$ 10,059 \$ \$ 19,222 \$ \$ 463,944 \$ \$ 3,834,916 \$ \$ 3,834,916 \$</td><td>6,477,503 \$ 15,292,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 2,11,946 \$ 1,4478 \$ 4,11,947 \$ 4,11,013 \$ 4,11,013 \$ 144,743 \$ 1,328 \$ 4,1013 \$ 1,44,743 \$ 5,1,398 \$ 2,58,765 \$ 2,6,992 \$ 1,52,013 \$ 4,21,997 \$ 6,298,945 \$ 6,3,311,478 \$ 9,7,407 \$</td><td>***************************************</td></t<>	92,766 9 139,720 9 1322 2 21,935 9 1,926 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3354 9 1,3356 9 4,190 9 2,352 9 4,753 9 2,525 9 4,753 9 2,525 9 4,753 9 2,525 9 4,753 9 2,525 9 4,753 9 2,525 9 2,555 9 2,5	5 1,015,896 2,399,031 2 6 2,399,031 2 2,007,807 2 5 2,007,807 2 3 3 15,204 2 5 3,15,204 2 5 15,85,39 2 5 15,85,39 2 5 6 6,213 2 6 6,213 2 5 3,797 2 3,408 2 3,408 2 5 5 5,77,26 5 5,277 5 3,408 5 5,77,26 5 5,9,154,471 5 15,277 5 3,278 5 5,77,726 5 5 5,77,726 5 5 7,726 5 5 7,726 5 5 7,726 5 5 7,726 5 5 7,527 5 5 15,277 5 5 15,277 5 5 5 5 5 5 5 7,526 5 5 5 5 7 5 5	5 181,949 6 429,671 6 645,667 6 636,667 6 101,363 5 101,363 6 107,983 5 5 19,363 6 5 19,363 6 1079 5 2,159 5 10,888 5 10,888 5 18,563 5 2,189,485 5 2,189,485	\$ 239.166 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 3,008 \$ 45,350 \$ 45,350 \$ 45,350 \$ 201,895 \$ 201,895 \$ 201,895 \$ 3,597 \$ 3,597	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,15,213 \$ \$ 10665 \$ \$ 10675 \$ \$ 106,214 \$ \$ 88,404 \$ \$ 33,955 \$ \$ 33,956 \$ \$ 10,059 \$ \$ 10,059 \$ \$ 10,059 \$ \$ 19,222 \$ \$ 463,944 \$ \$ 3,834,916 \$ \$ 3,834,916 \$	6,477,503 \$ 15,292,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 2,11,946 \$ 1,4478 \$ 4,11,947 \$ 4,11,013 \$ 4,11,013 \$ 144,743 \$ 1,328 \$ 4,1013 \$ 1,44,743 \$ 5,1,398 \$ 2,58,765 \$ 2,6,992 \$ 1,52,013 \$ 4,21,997 \$ 6,298,945 \$ 6,3,311,478 \$ 9,7,407 \$	***************************************
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense Insurance Salaries and Wages Transportation	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,469,220 \$ 1,469,220 \$ 461,013 \$ 461,013 \$ 144,743 \$ 5,1388 \$ 258,765 \$ 26,092 \$ 1,152,013 \$ 41,971 \$ 63,311,478	4 Labor 3 Fixed 0&M 4 Labor 4 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 455,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ \$ 13,964 \$ 4,384 \$ 4,384 \$ 1,357 \$ 7,838 \$ 790 \$ 34,895 \$ 1,388 \$ 190,798 \$ 1,284,520 \$ 1,284 \$ 400	\$ 760,582 \$ 1,766,108 \$ 1,181,352 \$ 18,460 \$ 16,288 \$ 11,2907 \$ 93,281 \$ 11,123 \$ 3,950 \$ 3,950 \$ 3,950 \$ 3,950 \$ 3,956 \$ 2,005 \$ 484,062 \$ 6,235,074 \$ 11,437 \$ 11,437 \$ 1,015	\$ 1,663,722 \$ 3,928,890 \$ 2,565,055 \$ 422,666, \$ 402,686 \$ 402,686 \$ 24,153 \$ 202,540 \$ - \$ 24,152 \$ 26,153 \$ 202,540 \$ - \$ 76,924 \$ 72,926 \$ 22,019 \$ 20,010000000000000000000000000000000000	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,225 \$ 41,075 \$ 3,3935 \$ 1,2889 \$ 1,2889 \$ 1,2437 \$ 7,234 \$ 7,234 \$ 3,207 \$ 3,207 \$ 3,207 \$ 1,2356 \$ 1,903,458 \$ 3,108 \$ 3,108	4,669,326 \$ 4,11,1184 \$ 5 4,811,1184 5 3,872 \$ 3,872 \$ 3,872 \$ 5,645,412 \$ 3,92,923 \$ 3,24,625 \$ 3,24,625 \$ 3,8,709 \$ 1,3,746 \$ 6,9,203 \$ 6,9,203 \$ 6,9,203 \$ 1,8,199 \$ 1,8,199 \$ 1,8,4569 \$ 1,8,4569 \$ 1,8,208,525 \$ 2,9,734 \$ 3,32,82	92,766 g 139,720 g 132 2 21,935 g 1,925 g 1,935 g 1,93	\$ 1,015,896 \$ 2,399,031 \$ \$ 2,309,031 \$ \$ 2,007,807 \$ \$ \$ 2,007,807 \$ \$ \$ 3,15,204 \$	5 181,949 429,671 645,667 5 628,667 6 101,363 5 101,363 6 8,902 5 61,709 5 50,983 5 - 6 19,363 5 6,079 5 1,9363 5 1,0365 6 1,0366 6 18,563 2,159 2,159 5 1,096 4,8,386 2,8,454 2,189,485 2,736 5 555	\$ 239,166 \$ 2,694,099 \$ 2,237 \$ 422,945 \$ 27,730 \$ 27,730 \$ 27,730 \$ 212,730 \$ 25,747 \$ 212,730 \$ 25,747 \$ 212,730 \$ 3,077 \$ 4,573 \$ 201,895 \$ 4,573 \$ 201,895 \$ 7,745 \$ 210,895 \$ 4,757 \$ 201,895 \$ 5,7745 \$ 3,597 \$ 2,314	\$ 318,185 \$ 5 \$ 751,392 \$ 5 \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,177,752 \$ \$ 108,714 \$ \$ 89,404 \$ \$ 3,9355 \$ \$ 10,661 \$ \$ 3,9355 \$ \$ 10,661 \$ \$ 3,9356 \$ \$ 3,936 \$ \$ 3,834,916 \$ \$	6,477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 1,469,220 \$ 1,469,220 \$ 1,469,220 \$ 461,013 \$ 144,743 \$ 461,013 \$ 144,743 \$ 5,1398 \$ 228,765 \$ 26,092 \$ 1,152,013 \$ 441,971 \$ 6,298,945 \$ 63,311,478 \$ 97,407 \$ 13,205 \$	***************************************
Employee Benefits Support Services Costs - Admin Contract Services - Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Foroperty Rents-Foroperty Rents-Foroperty Rents-Foroperty Maintenance Expense Salaries and Wages Transportation Contract Services - Eng	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 144,743 \$ 258,765 \$ 26,092 \$ 1,152,013 \$ 441,971 \$ 6,238,945 \$ 63,311,478 \$ 97,407 \$ 13,205 \$ -	4 Labor 3 Fixed 0&M	\$ 74,115 \$ 176,439 \$ 465,642 \$ 439 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 4,384 \$ 1,557 \$ 7,838 \$ 790 \$ 13,888 \$ 13,888 \$ 13,888 \$ 13,888 \$ 13,888 \$ 13,888 \$ 1,284,520 \$ 1,284,520 \$ 1,124 \$ 4,00 \$ 2,200 \$ 1,124 \$ 4,000 \$ 2,000 \$ 2,000 \$ 2,000 \$ 2,000 \$ 2,000 \$ 2,000 \$ 3,000 \$ 3,0000 \$ 3,0000 \$ 3,0000 \$ 3,0000 \$ 3,0000 \$ 3,0000 \$ 3,0000 \$ 3,00000 \$ 3,000	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 33,281 \$ - \$ 35,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005 \$ 19,886 \$ 2,005 \$ 19,886 \$ 2,005 \$ 19,886 \$ 2,005 \$ 484,062 \$ 6,225,074 \$ 6,225,074 \$ 11,437 \$ 1,015 \$ -	\$ 1,663,732 \$ 3,928,890 \$ 2,565,055 \$ 422,686 \$ 402,686 \$ 35,365 \$ 202,540 \$ 241,153 \$ 202,540 \$ 76,924 \$ 76,924 \$ 76,924 \$ 76,924 \$ 24,152 \$ 43,177 \$ 4,354 \$ 192,224 \$ 13,602,196 \$ 2,019 \$ 2,203 \$ -	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 67,469 \$ 5,925 \$ 41,075 \$ 3,3935 \$ 12,889 \$ 4,047 \$ 7,234 \$ 72,93 \$ 12,356 \$ 12,356 \$ 1,903,458 \$ 3,108 \$ 3,69 \$ 3,69	4,669,326 \$ 4,11,1184 \$ 5 4,11,1184 5 3,872 \$ 645,412 \$ 56,682 \$ 324,625 \$ 324,625 \$ 123,292 \$ 38,709 \$ 123,292 \$ 33,706 \$ 69,203 \$ 69,203 \$ 69,203 \$ 69,703 \$ 1,684,569 \$ 1,684,569 \$ 1,684,569 \$ 1,684,569 \$ 1,81,99 \$ 1,8208,525 \$ 3,532 \$ 29,734 \$ 3,532 \$ 2,532	92,766 139,720 1322 21,935 1,925 1,925 1,925 1,935 1,925 1,925 1,935 1,925 1,935 1,925 1,935 1,925 1,935	5 1,015,896 2 2,399,031 2 2,399,031 2 5 2,007,807 2 3 15,204 2 5 3,15,204 2 2 3 15,204 2 6 27,682 2 5 15,8539 2 6 60,213 2 6 60,213 2 6 60,213 2 5 3,397 2 3,408 5 15,0444 2 5 3,307 2 3,408 5 50,4444 5 57,726 5 822,705 5 822,705 5 822,705 5 15,277 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172 5 3,172	5 181,949 6 429,671 6 645,667 6 608 5 101,363 6 8,902 5 50,983 5 - 6 19,363 6 1,096 5 1,088 6 48,386 6 48,386 2,189,485 5 2,736 5 2,736	\$ 239.166 \$ 564,835 \$ 2,694,099 \$ 2,237 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 3,008 \$ 45,350 \$ 45,350 \$ 45,350 \$ 45,350 \$ 45,575 \$ 6,425,507 \$ 3,597 \$ 3,597 \$ 2,144 \$ 25,367 \$ 3,597 \$ 2,144 \$ 2,507 \$ 3,597 \$ 3,144 \$ 2,516 \$ 5,216 \$ 5,21	\$ 318,185 \$ \$ 5 751,392 \$ 1,132,253 \$ 1,132,253 \$ 1,132,253 \$ 1,132,253 \$ 1,177,752 \$ 1,1611 \$ 5 106,214 \$ 5 83,404 \$ 5 3,3356 \$ 5 3,3356 \$ 5 10,059 \$ 5 10,059 \$ 5 10,059 \$ 5 10,059 \$ 5 3,3834,916 \$ 5 3,834,916 \$ 5 3,834,916 \$ 5 4,785 \$ 5 -	6,477,503 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 11,946 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ 461,013 \$ 144,743 \$ 5,1398 \$ 258,765 \$ 26,092 \$ 414,971 \$ 6,299,945 \$ 63,311,478 \$ 97,407 \$ 1,205 \$ - \$	*\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Admin Contract Services - Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense Insurance Maintenance Expense Salaries and Wages Transportation Contract Services - Eng Contract Services - Other	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2.413,327 \$ 2.11,946 \$ 1.4(478) \$ 2.11,946 \$ 1.4(478) \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.213,837 \$ 1.3203 \$ 2.526,092 \$ 1.152,013 \$ 4.1,971 \$ 6.3,311,478 \$ 97,407 \$ 1.3,205 \$ - \$ 4.2,266	4 Labor 4 Labor 3 Fixed 0&M 4 Labor 3 Fixed 0&M 3 Fixed 0&M 3 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 465,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557 \$ 7,818 \$ 790 \$ 3,485 \$ 190,798 \$ 190,798 \$ 1,284,520 \$ 1,284,520 \$ 1,124 \$ 400 \$ - \$ 1,432	\$ 760,82 \$ 1,796,108 \$ 1,181,352 \$ 1,181,352 \$ 1,181,352 \$ 18,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 35,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005 \$ 33,965 \$ 484,062 \$ 6,235,074 \$ 111,437 \$ 1,015 \$ - \$ 3,652	\$ 1,663,722 3,928,890 \$ 2,565,055 \$ 2,265,055 \$ 402,686 \$ 402,686 \$ 35,365 \$ 220,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 202,540 \$ 4,354 \$ 1,051,039 \$ 1,3602,196 \$ 2,019 \$ 2,203 \$ - \$ 2,887 \$ - \$ 2,887 \$ - \$ 2,887 } - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 488,116 \$ 429,769 \$ 4405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 3,3935 \$ 1,2,889 \$ 1,2,889 \$ 1,2,889 \$ 1,437 \$ 7,234 \$ 1,235 \$ 1,2356 \$ 1,903,458 \$ 3,069 \$ 3,699 \$ - \$ 3,699	4,669,326 4 5 4,11,1184 5 5 3,872 5 5 6,45,412 5 5 5,6682 5 5 3,24,625 5 5 3,870 5 5 3,870 5 5 3,870 5 5 3,870 5 5 6,9203 5 5 6,9203 5 5 6,9203 5 5 1,8199 5 5 1,8208,525 5 5 1,8208,525 5 5 2,9734 5 5 2,9734 5 5 2,521 5 5 2,521 5	92,766 g 139,720 g 132 g 21,935 g 1,925 g 1,925 g 1,935 g 1,925 g 1,935 g 1,925 g 1,925 g 1,925 g 1,925 g 4,190 g 1,316 g 4,190 g 1,316 g 4,190 g 1,316 g 4,190 g 1,316 g 4,190 g 1,316 g 1	1,015,896 2,399,031 2,207,807 2,207,807 2,207,807 2,107,807 2,107,807 2,107,807 2,1891 2,107,807 2,1891 2,107,807 2,1891 2,118,11	\$ 181,949 \$ 429,671 \$ 645,667 \$ 608 \$ 101,363 \$ 8,902 \$ 61,709 \$ 50,983 \$ - \$ 50,983 \$ - \$ 2,159 \$ 10,868 \$ 1,096 \$ 48,386 \$ 264,564 \$ 2,189,485 \$ 2,736 \$ 555 \$ - \$ 555 \$ - \$ 5,1,985 \$ - \$ 2,195 \$ - \$ 2,195 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 239,166 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 23,677 \$ 20,088 \$ 4,573 \$ 20,085 \$ 4,573 \$ 1,103,915 \$ 6,425,507 \$ 3,597 \$ 2,314 \$	\$ 318,185 \$ \$ 75,132 \$ \$ 1,132,253 \$ 1,132,253 \$ 1,132,253 \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$	6,477,503 \$ 15,372,550 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,213,837 \$ 4,143 \$ 1,213,837 \$ 4,14743 \$ 1,213,837 \$ 4,14743 \$ 5,1398 \$ 26,092 \$ 2,58,765 \$ 26,092 \$ 1,515,013 \$ 6,298,945 \$ 6,3311,478 \$ 97,407 \$ 13,205 \$ - \$ 441,271 \$ 6,298,945 \$ 6,3311,478 \$ 97,407 \$ 13,205 \$ - \$ 447,276 \$ 447,275 \$ - \$ 447,275 \$ - \$ - \$ 447,275 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	*\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Employee Support Services Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telekommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense Insurance Maintenance Expense Salaries and Wages Transportation Contract Services - Eng Contract Services - Other Miscellaneous	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 2,413,327 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 14,743 \$ 5 \$ 16,013 \$ 14,743 \$ 5,1388 \$ 258,765 \$ 26,092 \$ 1,152,013 \$ 6,298,945 \$ 63,311,478 \$ 97,407 \$ 13,205 \$ - \$ 47,266	4 Labor 3 Fixed 0&M	\$ 74,115 \$ 176,439 \$ 465,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 4,384 \$ 1,557 \$ 7,838 \$ 190,798 \$ 13,388 \$ 190,798 \$ 1,284,520 \$ 1,485,520 \$ 1,485,540 \$ 1,485,540,540,540,540,540,540,540,540,540,54	\$ 760,582 \$ 1,796,108 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ 3,950 \$ 11,23 \$ 3,950 \$ 11,23 \$ 3,950 \$ 19,886 \$ 2,005 \$ 19,886 \$ 2,005 \$ 88,530 \$ 33,965 \$ 484,062 \$ 6,223,074 \$ 11,437 \$ 1,015 \$ - \$ 3,632 \$ 3,766	\$ 1,663,722 3,928,890 \$ 2,565,055 \$ 422,686 \$ 402,686 \$ 402,686 \$ 24,153 \$ 202,540 \$ - \$ 24,152 \$ 24,152 \$ 76,924 \$ 24,152 \$ 76,924 \$ 76,924 \$ 76,924 \$ 76,924 \$ 76,924 \$ 76,924 \$ 76,924 \$ 76,924 \$ 73,747 \$ 4,354 \$ 192,224 \$ 73,747 \$ 13,602,196 \$ 22,019 \$ 2,203 \$ - \$ 7,887 \$ 7,887 \$ 8,178 \$ 8,178	\$ 488,116 \$ 429,769 \$ 405 \$ 67,469 \$ 5,925 \$ 41,075 \$ 3,3935 \$ 12,889 \$ 4,047 \$ 1,2889 \$ 4,047 \$ 7,234 \$ 7,235 \$ 7,236 \$ 7,609 \$ 7,6	4,669,326 \$ 4,11,1184 \$ 5 4,11,1184 5 3,872 \$ 4,669,326 \$ 3,872 \$ 6,45,412 \$ 5,6682 \$ 3,24,625 \$ 1,3,292 \$ 1,3,746 \$ 6,97,03 \$ 6,97,03 \$ 6,97,03 \$ 6,97,03 \$ 6,97,03 \$ 1,8,199 \$ 1,8,199 \$ 1,8,165,59 \$ 1,8,208,525 \$ 1,8,208,525 \$ 3,5322 \$ 3,532 \$ 3,2,641 \$ 1,2,641 \$ 1,3,107	92,766 g 139,720 g 1322 g 1,935 g 1,935 g 1,935 g 1,935 g 4,190 g 4,19	5 1,015,896 2 2,309,031 2 2,007,807 5 2,007,807 2 5 3,15,204 2 6 13,15,204 2 5 15,8539 2 6 191,895 2 5 6,0,213 2 6 6,0,713 2 6 6,0,713 2 5 15,0,644 2 5 5,7,726 2 6 822,705 2 6 822,705 2 5 1,725 2 6 1,725 2 6 1,725 2 6 6,471 2	5 181,949 429,671 5 645,667 5 608 5 101,363 5 8,902 5 10,363 5 10,363 5 10,363 5 10,363 5 10,363 5 10,363 5 10,363 5 10,368 5 10,368 5 10,368 5 10,368 5 10,368 5 10,368 5 10,368 5 10,368 5 2,159 5 2,736 5 5,555 5 - 5 - 5 1,985 5 2,058	\$ 239.166 \$ 564.835 \$ 2,694.099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 25,367 \$ 212,730 \$ 212,730 \$ 212,730 \$ 208,857 \$ 43,550 \$ 43,550 \$ 44,535 \$ 208,855 \$ 77,457 \$ 1,103,915 \$ 6,425,507 \$ 3,597 \$ 3,597 \$ 3,597 \$ 3,597 \$ 3,597 \$ 4,584 \$ 5,284	\$ 318,185 \$ \$ 5 751,392 \$ 1,132,253 \$ 1,132,253 \$ 5 1,132,253 \$ 5 1,177,752 \$ 5 108,214 \$ 5 108,214 \$ 5 38,940 \$ 5 33,955 \$ 5 10,651 \$ 5 3,383,55 \$ 5 10,651 \$ 5 3,383,55 \$ 5 463,944 \$ 5 463,944 \$ 5 4,851 \$ 5 3,834,916 \$ 5 3,834,916 \$ 5 - \$ 5 3,8161 \$ 5 3,610 \$ 5 3,610 \$ 5 3,613 \$ 5 3,610 \$ 5 3,613 \$ 5 3,615 \$ 5 3,613 \$ 5 3,615 \$ 5 3	6,477,503 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 14,478 \$ 1,4478 \$ 1,4478 \$ 4,41,013 \$ 1,413,837 \$ 4,41,013 \$ 1,44,743 \$ 5,1398 \$ 258,765 \$ 2,6092 \$ 1,152,013 \$ 4,41,971 \$ 6,298,945 \$ 6,3311,478 \$ 97,407 \$ 1,205 \$ 1,205 \$ 4,41,265 \$ 4,51,265 \$ 4,51,5	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Admin Contract Services - Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telekommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Equipment Transportation Regulatory Expense Insurance Maintenance Expense Salaries and Wages Transportation Contract Services - Other	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,4(9,20) \$ 1,218,387 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,14,743 \$ -1,52,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,32,005 \$ -1,32,005 \$ - \$ - \$ - \$ -	4 Labor 4 Labor 3 Fixed 0&M 4 Labor 3 Fixed 0&M 3 Fixed 0&M 3 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 455,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 3,768 \$ - \$ 13,964 \$ 4384 \$ 1,557 \$ 7,838 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798 \$ 1,284,520 \$ 1,284,520 \$ 1,245 \$ 400 \$ - \$ 1,432 \$ 1,435 \$ 1,445 \$ 1,445	\$ 760,822 \$ 1,796,108 \$ 1,181,352 \$ 1,181,352 \$ 1,113 \$ 185,460 \$ 16,288 \$ 112,907 \$ 93,281 \$ - \$ 3,955 \$ 484,062 \$ 484,062 \$ 6,235,074 \$ 11,437 \$ 1,015 \$ - \$ 3,652 \$ - \$ - \$ 3,652 \$ - \$ - \$ 3,652 \$ - \$ - \$ - \$ 3,652 \$ - \$ - \$ - \$ 3,652 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 1,663,722 \$ 3,928,890 \$ 2,565,055 \$ 422,686 \$ 402,686 \$ 35,365 \$ 243,153 \$ 202,540 \$ 2,415 \$ 202,540 \$ 2,4152 \$ 43,177 \$ 4,354 \$ 192,224 \$ 192,224 \$ 192,224 \$ 192,224 \$ 1,051,039 \$ 1,602,196 \$ 2,019 \$ 2,019 \$ 2,203 \$ \$ 7,887 \$ 8,178 \$ 9,611	s 488,116 s 429,769 s 429,769 s 67,469 s 5,925 s 41,075 s - s - s - s - s - s - s 1,289 s 7,234 s 7,234 s 1,2356 s 1,2356 s 1,903,458 s 3,108 s 3,303 s 1,321 s 1,321	4,669,326 4 5 4,11,1184 5 5 3,872 5 5 6,45,412 5 5 5,6682 5 5 3,24,625 5 5 3,374 5 5 3,374 5 5 3,374 5 5 3,374 5 5 3,374 5 5 3,3709 5 5 3,3709 5 5 3,3746 5 5 3,3709 5 5 1,8199 5 5 1,684,569 5 5 1,8208,525 5 5 2,9734 5 5 2,9734 5 5 2,9734 5 5 2,9734 5 5 2,9734 5 5 2,9734 5 5 2,9734 5 5	92,766 g 139,720 g 132 2 21,935 g 1,925 g 1,925 g 1,935 g 1,925 g 1,925 g 1,925 g 1,925 g 1,925 g 4,100 g 4,000 g 4	5 1,015,896 2,399,031 2 2,207,807 2 2,307,807 2 5 1,891 2 2,027,807 2 5 1,891 2 2,027,807 2 5 1315,204 2 2 2 5 15,85,399 2 5 5 5 6,0,13 2 6 6,213 2 5 6,0,13 2 3,408 2 5 5 3,408 2 5 5 4 5 5,726 2 2 9,154,471 2 5 1,725 2 5 1,725 2 5 1,725 2 5 - 2 5 - 2 5 - 5 5 2 5 - 2 5 - 2 5 - 5 5 - 5 - 5 - 5 - 5 - 5 - 5	5 181,949 429,671 6 5 645,667 6 645,667 5 608 6 101,363 6 8,902 6 1,009 5 1,9363 6 1,096 6 48,386 5 2,189 6 18,563 2 2,189,485 5 2,189,485 5 2,189,485 5 2,736 5 2,736 5 2,058 5 2,058 5 2,058	\$ 239,166 \$ 564,835 \$ 2,694,099 \$ 2,537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 3,018 \$ 25,367 \$ 9,008 \$ 45,350 \$ 45,350 \$ 45,350 \$ 45,350 \$ 45,575 \$ 201,895 \$ 7,457 \$ 1,103,915 \$ 6,425,507 \$ 3,597 \$ 2,314 \$ 3,597 \$ 3,597 \$ 3,214 \$ 3,597 \$ 3,588 \$ 3,589 \$ 3,588 \$ 3,588 \$ 3,589 \$ 3,088 \$ 3,088 \$ 3,589 \$ 3,088 \$ 3,088 \$ 3,589 \$ 3,088 \$ 3,088 \$ 3,088 \$ 3,589 \$ 3,088 \$ 3,088	\$ 318,185 \$ \$ 75,1392 \$ \$ 1,132,253 \$ 1,132,253 \$ 1,132,253 \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$	6,477,503 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 2,413,327 \$ 2,413,327 \$ 2,413,327 \$ 2,413,327 \$ 2,413,427 \$ 4,1013 \$ 441,013 \$ 144,743 \$ 1,423,877 \$ 441,013 \$ 2,58,765 \$ 2,6,992 \$ 6,298,945 \$ 6,3311,478 \$ 97,407 \$ 1,3205 \$ 47,266 \$ 49,010 \$ 5,7,601 \$ 5,7,601 \$ 5,57,601 \$ 5,57,500 \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Admin Contract Services - Costs - Admin Contract Services - Eng Contract Services - Other Building Maintenance and Services Miscellaneous Telelcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Foperty Rents-Equipment Transportation Regulatory Expense Insurance Maintenance Expense Salaries and Wages Transportation Contract Services - Eng Contract Services - Other Miscellaneous Materials & Supplies	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,413,327 \$ 1,4,978 \$ 1,41,920 \$ 1,41,9387 \$ 1,419,200 \$ 1,213,837 \$ - \$ 461,013 \$ 451,013 \$ 144,743 \$ 258,765 \$ 26,092 \$ 1,152,013 \$ 441,971 \$ 62,311,478 \$ 63,311,478 \$ 97,407 \$ 13,205 \$ - >\$ 47,266 \$ 49,010 \$ 57,601 \$ 57,601	4 Labor 3 Fixed 0&M	\$ 74,115 \$ 176,439 \$ 465,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 36,768 \$ - \$ 13,964 \$ 43,84 \$ 1,577 \$ 7,838 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798 \$ 1,284,520 \$ 1,284,520 \$ 1,124 \$ 400 \$ - \$ 1,425 \$ - \$ 1,425 \$ - \$ 1,425 \$ - \$ 1,425 \$ - \$ 1,425 \$ - \$ - \$ 1,425 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 760,582 \$ 1,796,108 \$ 1,81,352 \$ 1,113 \$ 18,460 \$ 16,288 \$ 112,907 \$ 33,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005 \$ 19,886 \$ 2,005 \$ 8,8530 \$ 33,965 \$ 484,062 \$ - \$ 3,632 \$ 11,437 \$ 1,015 \$ - \$ 3,632 \$ 3,766 \$ 4,427 \$ 2,4277	\$ 1,663,722 3,928,890 \$ 2,565,055 \$ 422,686 \$ 402,686 \$ 35,365 \$ 202,540 \$ 2245,153 \$ 202,540 \$ 76,924 \$ 24,152 \$ 43,177 \$ 4,354 \$ 192,224 \$ 192,224 \$ 192,224 \$ 10,1039 \$ 1,051,039 \$ 1,051,039 \$ 2,203 \$ 2,203 \$ - \$ 2,7,887 \$ 4,178 \$ 9,611 \$ 5,2,898	s 488,116 s 429,769 s 448,116 s 429,769 s 67,469 s 5,925 s 4,035 s 5,925 s 1,289 s 1,2,89 s 7,234 s 7,234 s 7,234 s 1,2,356 s 1,2,356 s 1,903,458 s 3,108 s 3,303 s 1,301 s 1,321 s 1,321 s 1,370	4 4 669326 5 5 4 11.1184 5 5 3.872 5 6.45,412 5 5 5 5.662 5 324,625 5 5 3.24,625 5 324,625 5<	92,766 g 139,720 g 132 g 21,935 g 1,926 g 1,935 g 1,935 g 1,935 g 1,935 g 1,935 g 1,935 g 1,935 g 4,910 g 4,190 g 2,352 g 4,316 g 4,017 g 5,725 g 5	5 1,015,896 2,399,031 2 6 2,309,031 2 2,007,807 2 5 1,891 2 3 315,204 2 6 2,7682 2 5 158,539 2 5 158,539 2 6 60,213 2 5 6 6,713 2 5 3,707 2 5 3,707 2 5 3,408 2 5 9,154,471 2 5 15,277 5 1,725 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2	5 181,949 429,671 645,667 6 645,667 5 101,363 6 8,902 5 5,0,983 5 - 6 19,363 6 1,096 5 1,096 6 48,386 48,563 264,564 5 2,189,485 5 2,189,485 5 2,189,485 5 2,189,485 5 2,736 5 2,736 5 2,736 5 2,058 5 2,058 5 2,058 5 2,058 5 2,058 5 2,058 5 9,754	\$ 239,166 \$ 564,835 \$ 2,694,099 \$ 2,2537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 3,008 \$ 45,355 \$ 77,457 \$ 1,103,915 \$ 6,425,507 \$ 45,557 \$ 3,597 \$ 2,314 \$ 25,367 \$ 3,597 \$ 3,597 \$ 3,879 \$ 3	$ \begin{array}{ccccc} & $3 & 318, 185 & $5 \\ $ & 751,392 & $5 \\ $ & 1,132,253 & $5 \\ $ & 1,132,253 & $5 \\ $ & 1,177,752 & $5 \\ $ & 10,661 & $5 \\ $ & 10,661 & $5 \\ $ & 33,956 & $5 \\ $ & 33,956 & $5 \\ $ & 33,956 & $5 \\ $ & 33,956 & $5 \\ $ & 33,956 & $5 \\ $ & 33,956 & $5 \\ $ & 33,956 & $5 \\ $ & 3,9766 & $5 \\ $ & 3,9766 & $5 \\ $ & 3,834,916 & $5 \\ $ & 3,834,916 & $5 \\ $ & 3,834,916 & $5 \\ $ & 4,785 & $5 \\ $ & -5 \\ $ & 3,8434 & $5 \\ $ & -5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,481 & $5 \\ $ & 3,610 & $5 \\ $ & 4,243 & $5 \\ $ & 1,091 & $5 \\ \end{array} $	6,477,503 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 5,1398 \$ 144,743 \$ 5,1398 \$ 26,092 \$ 63,311,478 \$ 6,298,945 \$ 6,3311,478 \$ 97,407 \$ 1,3205 \$ - \$ 441,971 \$ 5,26,992 \$ 6,3311,478 \$ 97,407 \$ 1,3205 \$ - \$ 4,7266 \$ - \$ 4,9010 \$ 5,7,601 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 1,57,501 \$ 2,64,490 \$ 2,64,490 \$ 1,57,501 \$ 2,64,490 \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Employee Benefits Support Services Costs - Admin Contract Services Costs - Admin Contract Services - Other Building Maintenance and Services Miscellaneous Telekcommunications Postage Office supplies and services Materials & Supplies Communications Rents-Property Rents-Furgenty Rents-Furgenty Rents-Supplement Transportation Regulatory Expense Insurance Salaries and Wages Transportation Contract Services - Other Miscellaneous	\$ 6.477,503 \$ 15,296,573 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,4(9,20) \$ 1,218,387 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,13,837 \$ -1,14,743 \$ -1,52,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,152,013 \$ -1,32,005 \$ -1,32,005 \$ - \$ - \$ - \$ -	4 Labor 3 Fixed 0&M	\$ 74,715 \$ 176,439 \$ 455,642 \$ 433 \$ 73,101 \$ 6,420 \$ 44,503 \$ 3,768 \$ - \$ 13,964 \$ 4384 \$ 1,557 \$ 7,838 \$ 790 \$ 34,895 \$ 13,388 \$ 190,798 \$ 1,284,520 \$ 1,284,520 \$ 1,245 \$ 400 \$ - \$ 1,432 \$ 1,435 \$ 1,445 \$ 1,445	\$ 760,582 \$ 1,796,108 \$ 1,81,352 \$ 1,113 \$ 18,460 \$ 16,288 \$ 112,907 \$ 33,428 \$ 11,123 \$ 3,950 \$ 19,886 \$ 2,005 \$ 19,886 \$ 2,005 \$ 8,8530 \$ 33,965 \$ 484,062 \$ - \$ 3,632 \$ 11,437 \$ 1,015 \$ - \$ 3,632 \$ 3,766 \$ 4,427 \$ 2,4277	\$ 1,663,722 3,928,890 \$ 2,565,055 \$ 422,686 \$ 402,686 \$ 35,365 \$ 202,540 \$ 2245,153 \$ 202,540 \$ 76,924 \$ 24,152 \$ 43,177 \$ 4,354 \$ 192,224 \$ 192,224 \$ 192,224 \$ 10,1039 \$ 1,051,039 \$ 1,051,039 \$ 2,203 \$ 2,203 \$ - \$ 2,7,887 \$ 4,178 \$ 9,611 \$ 5,2,898	s 488,116 s 429,769 s 429,769 s 67,469 s 5,925 s 41,075 s - s - s - s - s - s - s 1,289 s 7,234 s 7,234 s 1,2356 s 1,2356 s 1,903,458 s 3,108 s 3,303 s 1,321 s 1,321	4 4 669326 5 5 4 11.1184 5 5 3.872 5 6.45,412 5 5 5 5.662 5 324,625 5 5 3.24,625 5 324,625 5<	92,766 g 139,720 g 132 g 21,935 g 1,926 g 1,935 g 1,935 g 1,935 g 1,935 g 1,935 g 1,935 g 1,935 g 4,910 g 4,190 g 2,352 g 4,316 g 4,017 g 5,725 g 5	5 1,015,896 2,399,031 2 6 2,309,031 2 2,007,807 2 5 1,891 2 3 315,204 2 6 2,7682 2 5 158,539 2 5 158,539 2 6 60,213 2 5 6 6,713 2 5 3,707 2 5 3,707 2 5 3,408 2 5 9,154,471 2 5 15,277 5 1,725 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2 5 - 2	5 181,949 429,671 645,667 6 645,667 5 101,363 6 8,902 5 5,0,983 5 - 6 19,363 6 1,096 5 1,096 6 48,386 48,563 264,564 5 2,189,485 5 2,189,485 5 2,189,485 5 2,189,485 5 2,736 5 2,736 5 2,736 5 2,058 5 2,058 5 2,058 5 2,058 5 2,058 5 2,058 5 9,754	\$ 239,166 \$ 564,835 \$ 2,694,099 \$ 2,2537 \$ 422,945 \$ 37,144 \$ 257,487 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 212,730 \$ 3,008 \$ 45,355 \$ 77,457 \$ 1,103,915 \$ 6,425,507 \$ 45,557 \$ 3,597 \$ 2,314 \$ 25,367 \$ 3,597 \$ 3,597 \$ 3,879 \$ 3	\$ 318,185 \$ \$ 751,392 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,132,253 \$ \$ 1,15,213 \$ \$ 10665 \$ \$ 10665 \$ \$ 106,214 \$ \$ 30,305 \$ \$ 30,305 \$ \$ 10,661 \$ \$ 10,059 \$ \$ 10,059 \$ \$ 10,055 \$ \$ 10,224 \$ \$ 3,3305 \$ \$ 10,050 \$ \$ 10,051 \$ \$ 3,834,916 \$ \$ 3,834,916 \$ \$ 4,785 \$ \$ -7 \$ \$ -7 \$ \$ -7 \$ \$ -7 \$ \$ 3,834,916 \$ \$ -7 \$ \$ -7 \$ \$ -7 \$ \$ -7 \$ <	6,477,503 \$ 15,372,550 \$ 14,478 \$ 2,413,327 \$ 2,11,946 \$ 1,469,220 \$ 1,213,837 \$ - \$ 461,013 \$ 144,743 \$ 5,1398 \$ 144,743 \$ 5,1398 \$ 26,092 \$ 63,311,478 \$ 6,298,945 \$ 6,3311,478 \$ 97,407 \$ 1,3205 \$ - \$ 441,971 \$ 5,26,992 \$ 6,3311,478 \$ 97,407 \$ 1,3205 \$ - \$ 4,7266 \$ - \$ 4,9010 \$ 5,7,601 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 2,64,490 \$ 1,57,501 \$ 2,64,490 \$ 2,64,490 \$ 1,57,501 \$ 2,64,490 \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

e No: WR-2024-0320, SR-2024-0321			5	ource of		v	Nater												
	Post Test Year	Alloc Description		Supply	Pumping	Tre	eatment	Transmission	D	istribution	Storage	N	leters	Services		Customers	Hydrants	Total	Varia
es Other Than Income Tax																			
Property Taxes	\$ 36,744,136	5 Net Plant (less gen. and int.)	\$	834,423 \$			2,809,012			20,550,915 \$			3,956,163 \$						
Payroll Taxes	\$ 2,321,901	4 Labor	\$	26,782 \$			596,375			708,767 \$			364,154 \$						
Utility Reg Assessment	\$ 1,727,636	6 Rate Base	\$	44,302 \$	71,616	\$	149,696	\$ 96,217	\$	921,229 \$	11,161	\$	206,306 \$	147,07	1\$	19,695 \$	60,343	\$ 1,727,636	\$
Other Taxes	\$ (190,174)	6 Rate Base	\$	(4,877) \$	(7,883)	\$	(16,478)	\$ (10,591)\$	(101,407) \$	(1,229) \$	(22,710) \$	(16,18	9)\$	(2,168) \$	(6,642)	\$ (190,174)	\$
	\$ 40,603,500		\$	900,630 \$	1,680,398	\$ 3	3,538,605	\$ 2,306,439	\$	22,079,505 \$	234,116		4,503,914 \$	3,482,79	8\$	483,101 \$			\$
Total Taxes Other Than Income Taxes (STL Water)	\$ 40,603,500		\$	900,630 \$	1,680,398	\$ 3	3,538,605	\$ 2,306,439	\$	22,079,505 \$	234,116	\$	4,503,914 \$	3,482,79	8\$	483,101 \$	1,393,995	\$ 40,603,500	\$
nt Depreciation																			
Intangible Plant																			
Organization	\$ -	5 Net Plant (less gen. and int.)	\$	- \$	-	\$		\$ -	\$	- \$		\$	- \$	-	\$	- Ś	-	\$ -	\$
Franchises	s -	5 Net Plant (less gen. and int.)	s	- s	-	ŝ		s -	\$	- s		Ś	- \$	-	Ś	- s		\$ -	Ś
Other P/E-Intangible	\$ -	5 Net Plant (less gen. and int.)	ş	- \$		ŝ	-		ş	- \$	-	ŝ	- \$		Ş	- \$			ş
Source of Supply																			
Land & Land Rights	\$.	A Source of Supply	Ś	- \$		s	-	s -	Ś	- ś		Ś	- ś	-	s	- \$		\$ -	\$
Structures & Improvements	\$ 545,433	A Source of Supply	ŝ	545,433 \$		ŝ		s -	ŝ	- s		ŝ	- s	-	ŝ	- s		\$ 545,433	
Collection & Impound Reservoirs	¢ 545,455	A Source of Supply	ŝ	- Ś	-	ŝ			ŝ	- \$	-	ś		-	ŝ	- 5			ŝ
	¢ 734.000		ŝ		-	ç	-	Ŧ	ç	- >	-	s	- >	-	ç	- >			
Lake, River, & Other Intakes	\$ 724,692	A Source of Supply		724,692 \$		Ŷ		Ŷ	Ŷ	Ŷ	-	-	Ý	-	Ŷ	Ŷ			
Wells & Springs	\$ 9,027	A Source of Supply	\$	9,027 \$		\$	-		\$	- \$	-	\$	- \$	-	\$	- \$	-		
Infiltration Galleries & Tunnels	\$ -	A Source of Supply	\$	- \$		\$	-		\$	- \$	-	\$	- \$	-	\$	- \$			\$
Supply Mains	\$ 87,848	A Source of Supply	\$	87,848 \$	-	\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$			\$
Other P/E-Supply	\$ -	A Source of Supply	\$	- \$	-	\$	-	\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$-	\$
Water Pumping																			
Pumping Land & Land Rights	s .	B Pumping	Ś	- 5		s		<u>،</u> ،	Ś	- <		s	- <	-	s	- <	-	s -	Ś
Pumping Structures & Improvements	\$ 1,114,174	B Pumping	ş	- \$				ç ç	ś	- 5		ŝ	- \$	-	ś	- 5		\$ 1,114,174	
	5 1,114,174		ŝ					Ŧ	ŝ			ŝ	- 3		د م				
Boiler Plant Equipment	5 -					\$	-	\$ -		+	-			-	Ş	+			\$
Power Generation Equipment	\$ 440,995	B Pumping	\$	- \$			-	ş -	\$	- \$	-	\$	- \$	-	ş	- \$		\$ 440,995	
Steam Pumping Equipment	\$ -	B Pumping	\$	- \$		\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-		
Electric Pumping Equipment	\$ 1,350,203	B Pumping	\$	- \$	1,350,203	\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ 1,350,203	\$
Diesel Pumping Equipment	\$ 37,170	B Pumping	\$	- \$	37,170	\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ 37,170	\$
Pump Equip Hydraulic	\$ 4,705	B Pumping	\$	- \$	4,705	\$		s -	\$	- \$		\$	- \$	-	\$	- \$	-	\$ 4,705	\$
Other Pumping Equipment	\$ 297,974	B Pumping	\$	- \$	297,974	\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ 297,974	\$
Water Treatment																			
Water Treatment Land & land Rights	C	C Water Treatment	s	- s		\$	- :	s -	\$	- s		ŝ	- s		\$	- 5		s -	~
	\$ 2.334.564	C Water Treatment	ŝ				2.334.564												
Water Treatment Structures & Improvements									\$			\$	-					\$ 2,334,564	
Water Treatment Equipment	\$ 3,545,224	C Water Treatment	\$	- \$			3,545,224		\$	- \$	-	\$	- \$		Ŷ			\$ 3,545,224	
Water Treatment - Other	\$ -	C Water Treatment	\$	- \$	-	\$	-	\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$-	\$
T&D																			
Transmission & Distribution Land	\$ -	K Mains	\$	- \$	-	\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$-	\$
Transmission & Distribution Structures & Impr	\$ 106,653	K Mains	Ś	- S	-	Ś		\$ 10,094	Ś	96,559 \$		ŝ	- S	-	Ś	- s	-	\$ 106,653	Ś
TD Mains 4in & Less	\$ 583,156	E Distribution	ŝ	- 5		ŝ			ŝ	583,156 \$	-	Ś	- 5		ŝ	- 5		\$ 583,156	
TD Mains 6in to 8in	\$ 22.022.763	E Distribution	ŝ	- s		ŝ	-	Ŧ	ŝ	22.022.763 \$		ŝ	- \$	-	ś	- š		\$ 22,022,763	
	\$ 3,980,796						-						- \$						
TD Mains 10in to 16in		D Transmission	\$	- \$		\$				3,436,427 \$		\$			\$			\$ 3,980,796	
TD Mains 18in & Grtr Other Transmission & Distribution Plant	\$ 2,175,914	D Transmission K Mains	\$ \$	- \$		\$ S	-	\$ 2,175,914 \$ -	ŝ	- \$	-	\$ \$	- \$	-	\$ S	- \$		\$ 2,175,914 \$ -	ş
Other Transmission & Distribution Plant	ş -	K Wallis	Ş	- >	-	Ş	-	> -	Ş	- >	-	Ş	- >	-	Ş	- >	-	ş -	Ş
Storage																			
Distribution Reservoirs & Standpipes	\$ 402,936	F Storage	\$	- \$	-	\$		s -	\$	- \$	402,936	\$	- \$	-	\$	- \$	-	\$ 402,936	\$
Distribution Reservoirs & Standpipes - Tank Coating	\$ -	F Storage	\$	- \$	-	\$		\$-	\$	- \$	-	\$	- \$	-	\$	- \$	-	\$ -	\$
leters																			
Meters	\$ 6.006.556	G Meters	s	- 5		s		s -	s	- Ś		\$ (5.006.556 \$		s	- \$		\$ 6.006.556	s
Meter Installation	\$ 983,668	G Meters	ş	- \$		ş		Ŧ	Ş	- \$		ş	983,668 \$		-	- \$		\$ 983,668	
Meter Vaults	\$ -	G Meters	\$ \$	- \$		ş	-		ş	- \$	-	ş	- \$		-	- \$			ş
Services Services	\$ 7,636,691	H Services	Ś	- s		s	-	s -	Ś	- 5		s	- s	7,636,69	1 \$	- s	-	\$ 7,636,691	s
Services	÷ 7,050,051	·· Services	Ŷ	- 2		Ş		<i>,</i> -	Ŷ	- ,		Ŷ	- 2	7,050,05	- 2	- ,		\$ 7,050,051	Ŷ
Hydrants																			
Hydrants	\$ 1,949,157	J Hydrants	\$ \$	- \$ - \$		\$ \$	-		\$	- \$ - \$		\$	- \$ - \$		-				
Fire Mains		J Hydrants		- 4				s -	\$	- 5		\$	- 4		\$	- \$	-	\$ -	

Missouri-American Water Company Class Cost of Service Study - Account Detail Case No: WR-2024-0320, SR-2024-0321

Class Cost of Service Study - Account Detail															
Case No: WR-2024-0320, SR-2024-0321				ource of		Water									
	Post Test Year	Alloc Description		Supply	Pumping	Treatment	Transmission	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Variance
General Plant															
General Land & Land Rights	\$ -	3 Fixed O&M	\$	- \$			\$ -								
Stores Shops Equipment Structures	\$ 831,702	3 Fixed O&M	\$	25,193 \$			\$ 23,252							831,702	Ŧ
Office Structures	\$ 119,249	3 Fixed O&M	\$	3,612 \$			\$ 3,334							119,249	Ŧ
General Structures - HVAC	\$ 71,552	3 Fixed O&M	\$	2,167 \$			\$ 2,000							71,552	
Miscellaneous Structures	\$ 78,241	3 Fixed O&M	\$	2,370 \$	6,013 \$	13,055	\$ 2,187	\$ 20,925 \$	711 \$	10,219 \$	\$ 3,286 \$	\$ 13,712 \$	5,763 \$	78,241	ş -
Structures & Improvements - Leasehold	\$ 2,609	3 Fixed O&M	\$	79 \$	200 \$	435	\$ 73	\$ 698 \$	24 \$	341 \$	\$ 110 \$	\$ 457 \$	192 \$	2,609	\$ -
Office Furniture and Equipment	\$ 69,972	3 Fixed O&M	\$	2,119 \$	5,377 \$	11,676	\$ 1,956	\$ 18,713 \$	636 \$	9,139 \$	\$ 2,939 \$	\$ 12,263 \$	5,154 \$	69,972	\$-
Computers & Peripheral Equipment	\$ 1,319,498	3 Fixed O&M	\$	39,968 \$	101,401 \$	220,171	\$ 36,889	\$ 352,882 \$	11,993 \$	172,339	\$ 55,421 \$	\$ 231,247 \$	97,187 \$	1,319,498	\$-
Computer Hardware & Software	\$ 395,987	3 Fixed O&M	\$	11,995 \$	30,431 \$	66,074	\$ 11,071	\$ 105,902 \$	3,599 \$	51,720 \$	\$ 16,632 \$	\$ 69,398 \$	29,166 \$	395,987	ŝ -
Computer Software	\$ 3,191,396	3 Fixed O&M	ŝ	96,669 \$	245,253 \$	532,515	\$ 89,222	\$ 853,497 \$	29,006 \$	416,828	\$ 134,043	\$ 559,305 \$	235,060 \$	3,191,396	ŝ -
Personal Computer Software	s -	3 Fixed O&M	Ś	- s	- \$		s -				s - s	s - s	- \$		
Other Office Equipment	\$ 74,639	3 Fixed O&M	ŝ	2,261 \$			\$ 2,087							74,639	s -
BTS Initial Investment	\$ 1,528,051	3 Fixed O&M	ŝ	46.285 \$, .					.,			1.528.051	\$ -
Transportation Equipment - Light Trucks	\$ 853,825	3 Fixed O&M	ŝ	25,863 \$			\$ 23,870						1. 1	853,825	
Transportation Equipment - Heavy Trucks	\$ 055,025	3 Fixed O&M	ŝ	- \$			\$ -			- 9					÷
Transportation Equipment - Cars		3 Fixed O&M	ŝ	- \$			\$ -						+		÷
Transportation Equipment - Other	\$ 843,556	3 Fixed O&M	ş	25,552 \$			\$ 23,583						-	843,556	
	\$ 23.244	3 Fixed O&M	ŝ	23,332 3 704 \$	1.786 \$		\$ 25,585 \$ 650							23.244	Ŧ
Stores Equipment	\$ 23,244 \$ 443,793		-			-,	Ŷ 050					,			÷
Tools, Shop, & Garage Equipment		3 Fixed O&M	\$	13,443 \$,	\$ 12,407					,		443,793	÷
Laboratory Equipment	\$ 42,654	C Water Treatment	\$	- \$										42,654	
Power Operated Equipment	\$ 32,231	3 Fixed O&M	\$	976 \$										32,231	
Communication Equipment	\$ -	3 Fixed O&M	\$	- \$			\$ -								
Communication Equipment (non telephone)	\$ 455,562	3 Fixed O&M	\$	13,799 \$			\$ 12,736							455,562	
Telephone Equipment	\$ 7,637	3 Fixed O&M	\$	231 \$		1,274								7,637	j -
Miscellaneous Equipment	\$ 251,262	3 Fixed O&M	\$	7,611 \$	19,309 \$	41,926	\$ 7,025	\$ 67,197 \$	2,284 \$	32,817 \$	\$ 10,553 \$	\$ 44,035 \$	18,507 \$	251,262	ş -
Other Tangible Property	\$ 15,686	3 Fixed O&M	\$	475 \$	1,205 \$	2,617	\$ 439	\$ 4,195 \$	143 \$	2,049 \$	\$ 659 \$	\$ 2,749 \$	1,155 \$	15,686	ş -
Transportation Equipment Capitalization	\$ (780,946)	3 Fixed O&M	\$	(23,655) \$	(60,014) \$	(130,308)	\$ (21,833)	\$ (208,854) \$			\$ (32,801) \$	\$ (136,864) \$	(57,520) \$	(780,946)	ş -
Plant Depreciation (STL Water)	\$ 66,211,702		\$	1,664,717 \$	4,000,543 \$	7,562,461	\$ 3,005,158	\$ 28,767,475 \$	492,269 \$	8,273,956	8,049,512	\$ 1,722,526 \$	2,673,085 \$	66,211,702	\$ -
CIAC-Non Taxable - Mains	\$ (2,226,429)	K Mains	\$	- \$	- \$	-	\$ (210,716)	\$ (2,015,713) \$	- \$		\$-\$	s - s	- \$	(2,226,429)	\$-
CIAC-Non Taxable - Ext Dep	\$ (722,168)	K Mains	Ś	- ś	- ś	-	\$ (68,348)	\$ (653,820) \$	- ś		\$ - <u>\$</u>	s - s	- S	(722,168)	ŝ -
CIAC-Non Taxable - Services	\$ (267)	H Services	Ś	- s	- s	-	s -				S (267) S	s - s		(267)	
CIAC-Non Taxable - Meters	\$ (126,758)	G Meters	ŝ	- s	- s		\$ -							(126,758)	
CIAC-Non Taxable - Hydrants	\$ (115,211)	J Hydrants	ŝ	- 5	- 5		s -		- 5					(115,211)	
CIAC-Non Taxable - Other	\$ (58,401)	K Mains	é	- 5	- 5		\$ (5,527)							(58,401)	
CIAC-Non Taxable - WIP	\$ (56,401)	K Mains	ŝ	- 5	- \$		\$ -		- \$, , ,	+	(50,401)	
CIAC-Taxable - Mains	\$ (553,566)	K Mains	ŝ	- 5	- \$		\$ (52.391)							(553,566)	
CIAC-Taxable - Extension Deposits	\$ (34,778)	K Mains	ç				\$ (3,291)							(34,778)	
	\$ (1,091,630)		ş	- >	- >		\$ (3,291) \$ -					r 7			
CIAC-Taxable - Services		H Services	-	+			+							(1,091,630)	
CIAC-Taxable - Meters	\$ (8,035)	G Meters	\$	- \$	- \$		\$ -		- \$	(8,035) \$, , ,	-	(8,035)	
CIAC-Taxable - Hydrants	\$ (4,194)	J Hydrants	\$	- \$	+		\$ -	т т	- \$			r 7		(4,194)	
CIAC-Taxable - Other	\$ (1,164)	K Mains	ş	- \$	- \$		\$ (110)							(1,164)	
CIAC-Taxable - WIP	\$ -	K Mains	\$	- \$		-	\$ -			- Ş	\$-\$	s - s	- \$		÷ -
CIAC-Taxable - Services SIT	\$ -	K Mains	\$	- \$	- \$	-	\$ -	Ŧ Ť	- \$	- 9		\$-\$	- \$		<u>- ز</u>
Amortization of CIAC (STL Water)	\$ (4,942,600)		\$	- \$	- \$	-	\$ (340,384)	\$ (3,256,121) \$	- \$	(134,792) \$	\$ (1,091,897) \$	s - s	(119,405) \$	(4,942,600)	- ز
Total Depreciation Expense (STL Water)	\$ 61,269,101		\$	1,664,717 \$	4,000,543 \$	7,562,461	\$ 2,664,774	\$ 25,511,353 \$	492,269 \$	8,139,163 \$	6,957,614	\$ 1,722,526 \$	2,553,680 \$	61,269,101	<u>- ۇ</u>
Eureka Depreciation	\$ -	3 Fixed O&M	\$	- \$	- \$	-	\$ -	\$-\$	- \$	- ş	\$-\$	s - s	- \$	- 5	j -
Total Depreciation Expense	\$ 61,269,101		Ş	1,664,717 \$	4,000,543 \$	7,562,461	\$ 2,664,774	\$ 25,511,353 \$	492,269 \$	8,139,163 \$	6,957,614	\$ 1,722,526 \$	2,553,680 \$	61,269,101	<u>; -</u>
Amortization Expense															
	· · · · · · · · · · · · · · · · · · ·														
Lead Service Replacement	\$ 4,577,646	H Services	\$	- \$			\$ -			- 9				4,577,646	
Tank Painting Tracker	\$ 293,475	6 Rate Base	\$	7,526 \$			\$ 16,344					-, +		293,475	Ŧ
Property Tax Tracker	\$ 2,410,364	6 Rate Base	\$	61,809 \$			\$ 134,240							2,410,364	Ŧ
Enterprise Solutions	\$ 6,432	6 Rate Base	\$	165 \$			\$ 358							6,432	
Low Income Costs	\$ 2,417	6 Rate Base	\$	62 \$	100 \$	209	\$ 135	\$ 1,289 \$	16 \$	289 \$	\$ 206 \$	\$28\$	84 \$	2,417	j -
Total Amortization Expense (STL Water)	\$ 7,290,335		\$	69,561 \$	112,450 \$	235,048	\$ 151,077	\$ 1,446,490 \$	17,525 \$	323,936 \$	\$ 4,808,573 \$	\$ 30,924 \$	94,750 \$	7,290,335	÷ -
Total Amortization Expense	\$ 7,290,335		\$	69,561 \$	112,450 \$	235,048	\$ 151,077	\$ 1,446,490 \$	17,525 \$	323,936 \$	\$ 4,808,573 \$	\$ 30,924 \$	94,750 \$	7,290,335	j -

Missouri-American Water Company

Class Cost of Service Study - Account Detail

Class Cost of Service Study - Account Detail															
Case No: WR-2024-0320, SR-2024-0321			So	urce of		Water									
	Post Test Year	Alloc Description	S	upply	Pumping	Treatment	Transmission	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Variance
Income Taxes		_													
Federal Income Tax	\$ 5,342,58	6 Rate Base	\$	136,999 \$	221,467 \$	462,923	\$ 297,544	\$ 2,848,833	\$ 34,515 \$	637,987	\$ 454,806	\$ 60,905	\$ 186,608 \$	5,342,587	\$-
State Income Tax	\$ 927,27	6 Rate Base	\$	23,778 \$	38,438 \$	80,346	\$ 51,642 \$	\$ 494,450	\$ 5,990 \$	110,730	\$ 78,937	\$ 10,571	\$ 32,388 \$	927,272	
Deferred Income Taxes	\$ 23,389,63	6 Rate Base	\$	599,777 \$	969,574 \$	2,026,660	\$ 1,302,636 \$	\$ 12,472,079	\$ 151,104 \$	2,793,080	\$ 1,991,123	\$ 266,638	\$ 816,961 \$	23,389,633	
ITC Restored	\$ (71,28	6 Rate Base	\$	(1,828) \$	(2,955) \$	(6,177)	\$ (3,970) \$	\$ (38,013)	\$ (461) \$	6 (8,513)	\$ (6,069)	\$ (813)	\$ (2,490) \$	(71,288)	\$-
Total Income Taxes (STL Water)	\$ 29,588,20	1	\$	758,726 \$	1,226,525 \$	2,563,752	\$ 1,647,852 \$	\$ 15,777,350	\$ 191,149 \$	3,533,284	\$ 2,518,798	\$ 337,301	\$ 1,033,467 \$	29,588,204	\$-
Total Income Tax Expense	\$ 29,588,20	1	\$	758,726 \$	1,226,525 \$	2,563,752	\$ 1,647,852 \$	\$ 15,777,350	\$ 191,149 \$	3,533,284	\$ 2,518,798	\$ 337,301	\$ 1,033,467 \$	29,588,204	
Required Net Operating Income (STL Water)	\$ 182,789,44	6 Rate Base	\$ 4	4,687,243 \$	7,577,200 \$	15,838,300	\$ 10,180,068 \$	\$ 97,469,014	\$ 1,180,877 \$	21,827,855	\$ 15,560,583	\$ 2,083,772	\$ 6,384,535 \$	182,789,448	\$ -
Required Net Operating Income	\$ 182,789,44	3	\$ 4	4,687,243 \$	7,577,200 \$	15,838,300	\$ 10,180,068 \$	\$ 97,469,014	\$ 1,180,877 \$	21,827,855	\$ 15,560,583	\$ 2,083,772	\$ 6,384,535 \$	182,789,448	\$ -
Total Revenue Requirement (STL Water)	\$ 450,130,10	L	\$ 1!	5,765,746 \$	27,267,601 \$	67,198,796	\$ 19,955,181 \$	\$ 191,029,338	\$ 2,946,950 \$	52,629,455	\$ 37,170,785	\$ 17,972,309	\$ 18,193,940 \$	450,130,101	\$-
Other Operating Revenue (STL Water)	\$ (2,879,76	 6 Rate Base 	\$	(73,845) \$	(119,375) \$	(249,526)	\$ (160,383) \$	\$ (1,535,582)	\$ (18,604) \$	(343,888)	\$ (245,150)	\$ (32,829)	\$ (100,586) \$	(2,879,768)	\$-
Total Retail Revenue Requirement (STL Water)	\$ 447,250,33	2	\$ 1!	5,691,901 \$	27,148,225 \$	66,949,270	\$ 19,794,799 \$	\$ 189,493,756	\$ 2,928,346 \$	52,285,566	\$ 36,925,635	\$ 17,939,480	\$ 18,093,354 \$	447,250,332	\$-
Total Revenue Requirement (STL Water)	\$ 450,130,10														
	3 430,130,10	•													

ss Cost of Service Study - Account Detail e No: WR-2024-0320, SR-2024-0321	Post Test Year	Alloc Description	Source of Supply	Pumping	Water Treatment	Transmiss	ion	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Varia
nt Account															
Intangible Plant															
Organization	\$ 285,088	5 Net Plant (less gen. and int.)	\$ 6,474	\$ 10,428	\$ 21,79	4\$ 16,	656 \$	159,449	\$ 1,630	\$ 30,695	\$ 25,501	\$ 2,94	7 \$ 9,514	\$ 285,088	\$
Franchises	\$ -	5 Net Plant (less gen. and int.)		\$-	\$-	\$	- \$	-			\$-	\$-		\$ -	
Other P/E-Intangible	\$ 1,410,851	5 Net Plant (less gen. and int.)	\$ 32,039	\$ 51,606	\$ 107,85	7\$82,	427 \$	789,086	\$ 8,067	\$ 151,903	\$ 126,198	\$ 14,58	4 \$ 47,083	\$ 1,410,851	\$
Source of Supply															
Land & Land Rights	\$ 13,658,085	A Source of Supply	\$ 13,658,085	\$-	\$-	\$	- \$	-	\$ -	\$ -	\$-	\$ -	\$-	\$ 13,658,085	\$
Structures & Improvements	\$ 25,848,952	A Source of Supply	\$ 25,848,952	\$-	\$-	\$	- \$	-	\$-	\$-	\$-	\$ -	\$ -	\$ 25,848,952	\$
Collection & Impound Reservoirs	\$ -	A Source of Supply	\$ -	\$-	\$-	\$	- \$	-	\$-	\$-	\$-	\$ -	\$ -	\$-	
Lake, River, & Other Intakes	\$ 22,039,171	A Source of Supply	\$ 22,039,171	\$ -	ş -	\$	- \$	-	ş -	\$-	\$-	\$-	\$-	\$ 22,039,171	\$
Wells & Springs	\$ 325,571	A Source of Supply	\$ 325,571	\$-	\$-	\$	- \$	-	\$ -	\$ -	\$-	\$-	\$-	\$ 325,571	\$
Infiltration Galleries & Tunnels	\$ -	A Source of Supply	\$ -	\$ -	s -	Ś	- \$	-	s -	\$ -	\$ -	\$ -	Ś -	\$ -	\$
Supply Mains	\$ 1,304,079	A Source of Supply	\$ 1,304,079	s -	s -	s	- \$	-	s -	s -	s -	s -	s -	\$ 1,304,079	ŝ
Other P/E-Supply	\$ -	A Source of Supply		\$ -	\$ -	\$	- \$	-			\$ -	\$ -		\$ -	
Water Pumping															
Pumping Land & Land Rights	\$ 332,675	B Pumping	Ś -	\$ 332,675	s -	s	- s	-	s -	s -	s -	s -	s -	\$ 332,675	Ś
Pumping Structures & Improvements	\$ 18,698,879	B Pumping		\$ 18,698,879		ŝ	- \$	-	•	š -	\$ -	š -	+	\$ 18,698,879	
Boiler Plant Equipment	\$ -	B Pumping	š -	\$ -		ŝ	- Š		•	š -	\$ -	š .		\$ 10,050,075 \$ -	
Power Generation Equipment	\$ 11.367.527	B Pumping	š -	\$ 11.367.527		ŝ	- Š		ç .	s -	s -	š -		\$ 11,367,527	
Steam Pumping Equipment	\$ 1.120.451	B Pumping	š -	\$ 1.120.451		ŝ	- Š	-	•	s -	ş -	s -	+	\$ 1.120.451	
Electric Pumping Equipment	\$ 47,863,547	B Pumping	ş - \$ -	\$ 47,863,547		ŝ	- , - ,	-	•	+	ş -	s -		\$ 47,863,547	
	\$ 47,863,547		s -	\$ 47,863,547		s s		-	•	*	\$ - \$ -	\$ - \$ -			
Diesel Pumping Equipment			+			Ŷ	-		Ŷ	Ŷ	Ŷ	Ŷ	Ŷ	Ç 20,750	
Pump Equip Hydraulic	\$ 196,128	B Pumping		\$ 196,128		Ŷ	- \$	-			ş -	ş -		\$ 196,128	
Other Pumping Equipment	\$ 17,155,891	B Pumping	\$ -	\$ 17,155,891	\$-	\$	- \$		ş -	\$ -	\$ -	\$ -	\$ -	\$ 17,155,891	Ş
Water Treatment															\$
Water Treatment Land & land Rights	\$ 1,902,246	C Water Treatment	+	\$-	\$ 1,902,24		- \$	-	Ŷ	Ŷ	\$ -	\$ -	<i>Y</i>	\$ 1,902,246	
Water Treatment Structures & Improvements	\$ 58,738,228	C Water Treatment	\$-	\$-	\$ 58,738,22	в\$	- \$	-	\$-	\$ -	\$-	\$ -	\$-	\$ 58,738,228	\$
Water Treatment Equipment	\$ 139,800,618	C Water Treatment	\$-	\$-	\$ 139,800,61	в\$	- \$	-	\$ -	\$ -	\$-	\$ -	\$-	\$ 139,800,618	\$
Water Treatment - Other	\$ -	C Water Treatment	\$-	\$-	\$-	\$	- \$	-	\$ -	\$ -	\$-	\$-			\$
T&D															s s
Transmission & Distribution Land	\$ 3.991.405	K Mains	\$ -	s -	\$ -	\$ 377.	759 \$	3.613.646	s -	ś -	s -	ś -	\$ -	\$ 3,991,405	ŝ
Transmission & Distribution Structures & Impr	\$ 2,880,243	K Mains	s -	s -	s -		595 \$	2,607,648	s -	s -	s -	s -	s -	\$ 2,880,243	
TD Mains 4in & Less	\$ 36.611.275	E Distribution	s -	s -	s -	ŝ	- \$			s -	s -	s -	s -	\$ 36,611,275	Ś
TD Mains 6in to 8in	\$ 1,382,615,884	E Distribution		š -	\$ -			1,382,615,884			s -	\$ -		\$ 1,382,615,884	
TD Mains 10in to 16in	\$ 249,919,195	D Transmission	s -	s -	s -			215,743,091		s -	\$ -	s -		\$ 249,919,195	
TD Mains 18in & Grtr	\$ 136,606,510	D Transmission	+	s -	ş -	\$ 136,606,		213,743,091		+	+	ş -	+	\$ 136,606,510	
	\$ 136,606,510		+	+	s - s -										
Other Transmission & Distribution Plant	5 -	K Mains	\$ -	\$-	ş -	\$	- \$	-	\$-	ş -	\$ -	\$ -	+		\$
														*	\$
Storage															\$
Distribution Reservoirs & Standpipes	\$ 15,485,961	F Storage	Ŧ	\$-	\$ -	Ŷ	- \$		\$ 15,485,961			\$ -		\$ 15,485,961	
Distribution Reservoirs & Standpipes - Tank Coating	\$ 160,972	F Storage	\$ -	\$ -	\$ -	\$	- \$	-	\$ 160,972	\$ -	\$ -	\$ -	\$ -	\$ 160,972	\$
Meters															\$
Meters	\$ 273,880,916	G Meters		\$-	\$-	\$	- \$	-	\$-	\$ 273,880,916	\$ -	\$ -	\$-	\$ 273,880,916	
Meter Installation	\$ 27,964,291	G Meters	\$-	ş -	\$-	\$	- \$	-	\$-	\$ 27,964,291	\$-	\$ -	\$-	\$ 27,964,291	\$
Meter Vaults	\$ -	G Meters	\$-	\$-	\$-	\$	- \$	-	\$-	\$-	\$ -	\$-	+		\$
Services															\$ \$
Services	\$ 262,611,902	H Services	\$-	\$-	\$-	\$	- \$	-	\$-	\$-	\$ 262,611,902	\$-	\$-	\$ 262,611,902	\$
Hydrants														ş -	\$
Hydrants	\$ 87,650,905	J Hydrants	ś -	s -	ś -	\$	- \$	-	s -	s -	s -	s -	\$ 87,650,905		
	+ 07,000,000														
Fire Mains	\$	J Hydrants	s -	Ś -	\$ -	s	- Ś	-	ś -	s -	Ś -	s -	s -	s -	Ś

Missouri-American Water Company Class Cost of Service Study - Account Detail Case No: WR-2024-0320, SR-2024-0321

ase No: WR-2024-0320, SR-2024-0321			Source of		Water									
	Post Test Year	Alloc Description	Supply	Pumping	Treatment	Transmission	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Va
General Plant														
General Land & Land Rights	\$ 32,372	3 Fixed O&M	\$ 981	\$ 2,488	\$ 5,402	\$ 905 \$		γ <u>2</u> 04 .	\$ 4,228	\$ 1,360	\$ 5,673 \$	2,384 \$	32,372	\$
Stores Shops Equipment Structures	\$ 24,528,093	3 Fixed O&M	\$ 742,968	\$ 1,884,939	\$ 4,092,744	\$ 685,730 \$	6,559,713	\$ 222,934	\$ 3,203,612	\$ 1,030,212	\$ 4,298,644 \$	1,806,597 \$	24,528,093	\$
Office Structures	\$ 4,425,250	3 Fixed O&M	\$ 134,043	\$ 340,072	\$ 738,395	\$ 123,716 \$	1,183,474	\$ 40,221	\$ 577,981	\$ 185,866	\$ 775,542 \$	325,938	4,425,250	\$
General Structures - HVAC	\$ 1.611.719	3 Fixed O&M		\$ 123.858	\$ 268.931			\$ 14.649			\$ 282,460 \$	118,710	1.611.719	ś
Miscellaneous Structures	\$ 1.011.963	3 Fixed O&M	\$ 30,653											
	+ -//		+											
Structures & Improvements - Leasehold	\$ (93,510)	3 Fixed O&M	\$ (2,832)				(-))			(-)/	\$ (16,388) \$	(-) / /	(<i>)</i> - <i>)</i>	
Office Furniture and Equipment	\$ 1,444,634	3 Fixed O&M	\$ 43,759	\$ 111,017	\$ 241,051	\$ 40,388 \$	386,348	\$ 13,130	\$ 188,684 5	\$ 60,677	\$ 253,178 \$	106,403 \$	1,444,634	\$
Computers & Peripheral Equipment	\$ 3,947,193	3 Fixed O&M	\$ 119,562	\$ 303,334	\$ 658,626	\$ 110,351 \$	1,055,624	\$ 35,876	\$ 515,542	\$ 165,787	\$ 691,761 \$	290,727 \$	3,947,193	\$
Computer Hardware & Software	\$ (758,976)	3 Fixed O&M	\$ (22,990)											
	\$ 46,361,895											(
Computer Software	\$ 40,301,895		1 1 1 1 1											
Personal Computer Software	ş -	3 Fixed O&M		\$										\$
Other Office Equipment	\$ 747,758	3 Fixed O&M	\$ 22,650	\$ 57,464	\$ 124,771	\$ 20,905 \$	199,978	\$ 6,796	\$ 97,665	\$ 31,407	\$ 131,048 \$	55,076 \$	747,758	\$
BTS Initial Investment	\$ 11,159,601	3 Fixed O&M	\$ 338,030	\$ 857,595	\$ 1,862,085	\$ 311,988 \$	2,984,487	\$ 101,429	\$ 1,457,554	\$ 468,718	\$ 1,955,764 \$	821,951	11,159,601	\$
Transportation Equipment - Light Trucks	\$ 10,234,825	3 Fixed O&M	\$ 310,018	\$ 786,527	\$ 1,707,777	\$ 286,134	2,737,168	\$ 93,024	\$ 1,336,769	429.876	\$ 1,793,693 \$	753,838	10,234,825	Ś
Transportation Equipment - Heavy Trucks	\$ 22,541,844	3 Fixed O&M	\$ 682.804								\$ 3.950.546 \$			
	1 1. 1.		1	, , , ,	, . ,				,. ,	, .		,,	1- 1-	
Transportation Equipment - Cars	\$ 21,653,192	3 Fixed O&M	\$ 655,886		\$ 3,613,040			\$ 196,805			\$ 3,794,806 \$			
Transportation Equipment - Other	\$ 9,376,852	3 Fixed O&M	\$ 284,030	\$ 720,594	\$ 1,564,616	\$ 262,148 \$	2,507,715	\$ 85,226	\$ 1,224,710 \$	\$ 393,840	\$ 1,643,330 \$	690,644 \$	9,376,852	\$
Stores Equipment	\$ 696,243	3 Fixed O&M	\$ 21,090	\$ 53,505	\$ 116,175	\$ 19,465 \$	186,201	\$ 6,328	\$ 90,936	\$ 29,243	\$ 122,019 \$	51,281 \$	696,243	\$
Tools, Shop, & Garage Equipment	\$ 8.486.307	3 Fixed O&M	\$ 257.055							.,				ŝ
			\$ -				,,			,	, , , , , , , , ,	,	-,,	-
Laboratory Equipment	\$ 677,756								· ·					
Power Operated Equipment	\$ 73,253	3 Fixed O&M	\$ 2,219	+ -,	+,		/		,	-,	+, +	-, +		-
Communication Equipment	\$ 65,142	3 Fixed O&M	\$ 1,973							-,	+, +			
Communication Equipment (non telephone)	\$ 5,301,277	3 Fixed O&M	\$ 160,578	\$ 407,393	\$ 884,568	\$ 148,207 \$	1,417,756	\$ 48,183	\$ 692,399	\$ 222,661	\$ 929,070 \$	390,461 \$	5,301,277	\$
Telephone Equipment	\$ 59.554	3 Fixed O&M	\$ 1.804			\$ 1.665 \$								ŝ
Miscellaneous Equipment	\$ 2,199,156	3 Fixed O&M	1 1.	\$ 169,001				\$ 19,988		,				
	1 1 1 1 1 1 1 1 1													
Other Tangible Property	\$ 556,560	3 Fixed O&M	+,	\$ 42,771										
Transportation Equipment Capitalization	\$ 2,445,193	3 Fixed O&M	\$ 74,066	\$ 187,909	\$ 408,004	\$ 68,360 \$	653,934	\$ 22,224	\$ 319,366	\$ 102,701	\$ 428,530 \$	180,099 \$	2,445,193	\$
t Utility Plant	\$ 3,021,239,349		\$ 68,609,334	\$ 110,511,115	\$ 230,967,403	\$ 176,511,387	1,689,772,535	\$ 17,275,437	\$ 325,290,392	\$ 270,244,343	\$ 31,231,545 \$	100,825,858	3,021,239,349	\$
	internal check: 0													
ditions to Rate Base														
Cash Working Capital(STL Water)	\$ (4,917,917)	3 Fixed O&M	\$ (148,966)	\$ (377,933)	\$ (820,601)	\$ (137,490) \$	(1,315,232)	\$ (44,699)	\$ (642,329) \$	\$ (206,559)	\$ (861,884) \$	(362,225) \$	(4,917,917)	¢
Materials and Supplies(STL Water)	\$ 8,784,150	5 Net Plant (less gen. and int.)	\$ 199,479											
Pension Asset(STL Water)	\$ 21,065,567	5 Net Plant (less gen. and int.)	\$ 478,378	\$ 770,538	\$ 1,610,418	\$ 1,230,724 \$	\$ 11,781,925	\$ 120,453	\$ 2,268,085	\$ 1,884,277	\$ 217,762 \$	5 703,007 \$	21,065,567	\$
Regulatory Deferrals(STL Water)	\$ 9,641,328	5 Net Plant (less gen. and int.)	\$ 218,945	\$ 352,661	\$ 737,059	\$ 563,280 \$	5,392,374	\$ 55,129	\$ 1,038,061 \$	\$ 862,399	\$ 99,666 \$	321,754 \$	9,641,328	\$
Tank Painting Tracker(STL Water)	\$ -	F Storage	Ś -	\$ - ¹	s -	s - s	- 3	s - :	\$	\$ - :	s - s	; <u>-</u>		Ś
tal Additions	\$ 34,573,128		\$ 747,836	\$ 1,066,573	\$ 2,198,406	\$ 2,169,715 \$	20,772,023	\$ 181,111	\$ 3,609,588 \$	\$ 3,325,843	\$ (453,652) \$	955,684	34,573,128	Ś
ductions to Rate Base														
Customer Advances for Construction														
Advances for Construction - NT Mains	Ş -	K Mains	\$ - :	\$	ş -	\$-\$	-	\$	\$	\$	ş - ş	s - ş	-	\$
Advances for Construction - NT Exten	ion Deposits \$ -	K Mains	\$ - :	\$ - :	\$ -	\$-\$	- 3	\$- !	\$	\$	\$-\$; - \$		\$
Advances for Construction - NT Hydra	nts S -	J Hydrants	Ś -	\$ - :	s -	s - s	- 3	s - :	\$	\$ - :	s - s	; <u>-</u>		Ś
Advances for Construction - NT WIP	\$	G Meters	\$ -	é .	¢ .	s - s	-	s - :	s - :	s -	, , ,			ŝ
	-			· · ·	s - c -									
Advances for Construction - TAX Main		H Services		\$ - :	Ŷ	\$-\$								\$
Advances for Construction - Reclasse	to Current \$ -	K Mains	\$ -	\$	\$-	\$-\$		\$- !	\$	\$ - :	\$-\$	s - \$		\$
Allocated MAWC Corporate - Custom	er Advances \$ (56,680)	K Mains	\$ -	\$ - :	\$-	\$ (5,364) \$	(51,316)	\$	\$- !	\$	\$-\$; - ş	(56,680)	\$
CIAC														
	\$ (159,443,024)	K Mains	\$ -	¢ .	¢ .	\$ (15,000,165)	(144 352 850)	s - :	s - :	s - :	s - s		(159,443,024)	¢
CIAC-Non Taxable - Mains				Ŧ			(144,352,859)							
CIAC-Non Taxable - Ext Dep	\$ (51,954,549)	K Mains	¥ .	\$ - :	\$ -	- (.,==.,==.,			-		т т		()), .	-
CIAC-Non Taxable - Services	\$ (9,152)	H Services	\$-	\$	\$ -	\$-\$	-			(-))				
CIAC-Non Taxable - Meters	\$ (5,286,181)	G Meters	\$ -	\$ - :	\$-	\$-\$		\$- !	\$ (5,286,181) \$	\$	\$-\$; - \$	(5,286,181)	\$
CIAC-Non Taxable - Hydrants	\$ (6,227,639)	J Hydrants	s -	s -	s -	s - 9	-	s - :			s - s			
CIAC-Non Taxable - Other	\$ (1,968,056)	K Mains	ć	ė .	\$ -							- 9		
	2 (1,968,026)		\$ - I	2 - : 2	ş -									د
CIAC-Non Taxable - WIP	ş -	K Mains	\$ - :	ş - !	ş -	\$- <u>\$</u>		\$ - :				- ş		Ş
CIAC-Taxable - Mains	\$ (39,824,874)	K Mains	\$ - :	\$ - !	\$-			\$	\$- \$	\$	ş - ş	s - \$		
CIAC-Taxable - Extension Deposits	\$ (2,502,015)	K Mains	\$ - :	\$ - '	\$-	\$ (236,798) \$	(2,265,217)	\$- !	\$	\$	\$-\$; - \$	(2,502,015)	\$
CIAC-Taxable - Services	\$ (37,384,590)	H Services	s	s - 1	s -	s - (s - 1	\$ (37.384.590) !	s - s			
CIAC-Taxable - Services	\$ (334,776)	G Meters	\$ - ·		s - c -					(0.)00.)000,			(37,504,550)	
	+ (-	¥	<i>.</i>	<i>.</i>				(,,					
CIAC-Taxable - Hydrants	\$ (226,701)	J Hydrants	\$ - :	\$ - !	\$ -	· ,						())))		
CIAC-Taxable - Other	\$ (39,314)	K Mains	\$ -	\$ - :	\$ -	\$ (3,721) \$	(35,593)	\$	\$	\$- !	\$-\$; - ş	(39,314)	\$
CIAC-Taxable - WIP	s -	K Mains	s	s - '	ŝ -	s . ,	-		s - :	s - :	s - s	; <u> </u>		ŝ
CIAC-Taxable - Will	¢.	H Services	ć	ė.	¢.	e i		s - :		· ·	e v			č
	-		ə - :		- -		,				S			ç
Accum Amort CIAC	\$ 73,517,060	5 Net Plant (less gen. and int.)	\$ 1,669,499	, ,,								, ,		
	\$ (712,082)	K Mains	\$ - :	\$	\$-	\$ (67,394) \$	(644,688)	\$- \$	\$- \$	\$	\$-\$; - \$	(712,082)	\$
Allocated MAWC Corporate - CIAC														
Allocated MAWC Corporate - CIAC		5 N 1 D 1 (\$ (11,160,669)	\$ (17.976.824)	\$ (37.571.428)	\$ (28.713.077)	(274,875,011)	\$ (2.810.192)	\$ (52.914.933)	\$ (43,960,601)	\$ (5.080.430) \$	(16.401.325)	(491.464.492)	s
	\$ (491.464.492)			, (1,0,0,024) .										
Deferred Income Tax (STL Water)		5 Net Plant (less gen. and int.)		* 570 707										
Deferred Income Tax (STL Water) Pension/OPEB Tracker (STL Water)	\$ 4,929,249	4 Labor	\$ 56,857		\$ 1,266,066						\$ 182,015 \$			
Deferred Income Tax (STL Water)			\$ 56,857				5 1,504,668 5 (464,477,023)							
Deferred Income Tax (STL Water) Pension/OPEB Tracker (STL Water)	\$ 4,929,249		\$ 56,857											
Deferred Income Tax (STL Water) Pension/OPEB Tracker (STL Water)	\$ 4,929,249		\$ 56,857 \$ (9,434,313)	\$ (14,708,925)	\$ (30,685,137)	\$ (48,536,644) \$		\$ (2,359,929) \$	\$ (49,847,388) \$	\$ (74,639,917)	\$ (4,138,445) \$	(20,160,095) \$	(718,987,816)	\$

Class	CUS	L UI	Serv	ice a	stuu	y -	ALLUL	m	Det
Care	No	MA/D	202	4 02	20 0	CD	2024	0.2.	

Case No: WR-2024-0320, SR-2024-0321	Post Test Year	Alloc Description			rce of	,	Pumping		Water Treatment	Tra	insmission	Distribution	s	torage	Met	ers	Services	Customers	Hydrants		Total	Variance
Miscellaneous T&D Operating Expense	\$ 1,764,746	1 \$	-	\$		\$	-		-	\$	111,480 \$ 0.06317	\$ 1,066,423 0.60429	\$	-	\$ 5	86,842 \$.33254		\$ -	-		1,764,746 1.00000	
Miscellaneous T&D Maintenance Expense	\$ 880,721	2		\$	÷	\$	-	\$	1	\$	27,796 \$ 0.03156	\$ 265,901 0.30191		37,024 0.04204		78,873 \$.08956	5 171,094 0.19427	\$ - -	\$ 300,033 0.34067	\$	880,721 1.00000	
Fixed O&M	\$ 38,543,149	3			,185,028 0.03029	\$	3,006,461 0.07685	\$	6,527,891 0.16686	\$	1,093,734 \$ 0.02796	\$ 10,462,684 0.26744		355,578 0.00909		09,732 \$.13061	5 1,643,179 0.04200	\$ 6,856,299 0.17525	2,881,506 0.07365	\$	39,122,092 1.00000	
Labor	\$ 30,338,984	4			210,561 0.01153	\$	2,143,465 0.11742	\$	4,688,715 0.25685	\$	582,514 \$ 0.03191	\$ 5,572,347 0.30525		110,706 0.00606		62,990 \$.15683	512,766 0.02809	\$ 674,071 0.03693	896,707 0.04912	\$	18,254,842 1.00000	
Net Plant	\$ 3,021,239,349	5			,570,821 0.02271	\$ 1	10,449,081 0.03658	\$ 2	230,837,752 0.07645		76,412,305 \$ 0.05842	\$ 1,688,824,000 0.55930		,265,740 0.00572		07,793 \$.10767	270,092,644 0.08945	\$ 31,214,014 0.01034	.00,769,260 0.03337	\$ 3,0	19,543,410 1.00000	
Rate Base	\$ 2,336,824,661	6			,922,857 0.02564	\$	96,868,764 0.04145	\$ 2	202,480,672 0.08665	\$ 1	30,144,458 \$ 0.05569	\$ 1,246,067,535 0.53323		,096,620 0.00646		52,591 \$.11942	198,930,269 0.08513	\$ 26,639,448 0.01140	81,621,446 0.03493	\$ 2,3	36,824,661 1.00000	
Variable Cost	\$ 25,891,454			\$5	,209,136	\$	3,404,675	\$	17,277,643	\$	- Ş	\$-	\$	-	\$	- 9	- S	\$ -	\$ -	\$	25,891,454	
Fuel and Power				\$ 4	,760,420	\$	3,406,240	\$	704,839	\$	35,751 \$	\$ 341,996	\$	185	\$ 1	87,860 \$	856	\$ 3,570	\$ 1,500	\$	9,443,217	

MIEC St. Louis County Class Cost of Service Study Case No: WR-2024-0320, SR 2024-0321 Tab: Usage Statistics

Missouri-American Water Company

Cost of Service Study - Usage Statistics Case No: WR-2024-0320, SR-2024-0321

		Non				Rate F			
	Residential	Residential	Rate J	Rate B	Contracts	Private Fire	Public Fire	Tota	I
Total Usage	228,746,333	78,676,166	49,615,703	18,144,716	27,526,028	522,548		403,231,495	hundred gallons
Average Day Usage	626,702	215,551	135,933	49,712	75,414	1,432	-	1,104,744	hundred gallons
Max Day Capacity Factor	2.00	2.12	1.48	1.61	1.44				
Max Day Usage	1,254,297	457,150	201,015	80,104	108,732	26,743	93,257	2,221,299	hundred gallons
Extra Capacity	627,595	241,599	65,082	30,392	33,318	25,311	93,257	1,116,555	hundred gallons
Fire Allocator						0.2229	0.7771	1.0000	20,000 gpm for 10 hours
Distribution Multiplier	1.00	1.00	0.01	0.21		1.00	1.00	N/A	
Average Hourly Usage	26,113	8,981	66	431	-	60	-	35,650	hundred gallons
Max Hour Capacity Factor	4.47	2.59	1.64	1.61	1.44				
Max Hour Usage	116,802	23,227	109	694	-	4,011	13,989	158,832	hundred gallons
Extra Capacity	90,689	14,246	43	263	-	3,952	13,989	123,181	hundred gallons
Customers	323,252	18,448	160	4	2	7,667		349,533	
Hydrants						39	33,301	33,340	
Revenue	\$ 219,196,203	\$ 68,531,934	\$ 11,296,485	\$ 4,931,008	\$ 4,684,084	\$ 4,998,343	ç	313,638,057	

		Non				Rate F		Meter	Service
	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Weighting	Weighting
5/8-METER	286,221	7,696	1	-	-	-		1.0	1.0
3/4-METER	24,510	3,064	-	-	-	-		1.5	1.0
1-METER	10,179	2,207	1	-	-	-		2.5	2.9
1.5-METER	821	1,122	1	-	-	-		5.0	4.0
2-METER	979	3,326	29	-	-	143		8.0	5.6
3-METER	14	330	18	-	-	3		16.0	5.6
4-METER	15	234	39	-	-	544		25.0	6.4
6-METER	16	221	39	-	-	2,308		50.0	9.9
8-METER	30	258	34	-	-	1,373		80.0	9.9
10-METER	2	55	21	-	-	46		115.0	9.9
12-METER	-	-	-	-	-	74		215.0	12.2
14-METER	-	-	-	-	-	-		320.0	12.2

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MIEC St. Louis County Class Cost of Service Study Case No: WR-2024-0320, SR 2024-0321 Tab: Usage Statistics

Missouri-American Water Company Cost of Service Study - Usage Statistics Case No: WR-2024-0320, SR-2024-0321

System Load Factor:
System Load Factor (fire):
System Load Factor (Hourly)
System Load Factor (Hourly fire)

1,986,949 max day - thousand gallons per day
2,105,518 max day with fire - thousand gallons per day
95,373 max hour - thousand gallons per day
113,313 max hour with fire - thousand gallons per day

Average system hourly flow on max day Average system hourly flow on max day

Mains Statistics

Storage Statistics

Total Capacity

Fire Allocation

Non-Fire Allocation

Туре	
Transmission	5,244,060
Distribution	19,254,897
Total	24,498,957

0.5560

0.5247

0.3738

0.3146

1,034,700 hundred gallons (2023 annual report)0.1146 percentage of storage needed for maximum fire protection day0.8854

Pct 0.09464 9.5%

0.90536 90.5%

1.0000

MIEC St. Louis County Class Cost of Service Study Case No: WR-2024-0320, SR 2024-0321 Tab: Class Allocator

Missouri-American Water Company Cost of Service Study - Class Allocators Case No: WR-2024-0320, SR-2024-0321

1. VARIABLE COST

		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Units
Total Usage	228,746,333	78,676,166	49,615,703	18,144,716	27,526,028	522,548	-	403,231,495	hundred gallons
Allocator	0.5673	0.1951	0.1230	0.0450	0.0683	0.0013	-	1.0000	

2. BASE/EXTRA DAILY

		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Units
Average Daily Use	626,702	215,551	135,933	49,712	75,414	1,432	-	1,104,744	hundred gallons
Extra Capacity	627,595	241,599	65,082	30,392	33,318			997,986	hundred gallons
System Capacity Factor	0.5560								
Average Day Allocator	0.3154	0.1085	0.0684	0.0250	0.0380	0.0007	-	0.5560	
Extra Capacity Allocator	0.2792	0.1075	0.0290	0.0135	0.0148	-	-	0.4440	
Allocator	0.5946	0.2160	0.0974	0.0385	0.0528	0.0007	-	1.0000	

3. BASE/EXTRA DAILY (w FIRE PROTECTION)

		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Units
Average Daily Use	626,702	215,551	135,933	49,712	75,414	1,432	-	1,104,744	hundred gallons
Extra Capacity	627,595	241,599	65,082	30,392	33,318	25,311	93,257	1,116,555	hundred gallons
System Capacity Factor	0.5247 a	assuming fire prote	ction						
Average Day Allocator	0.2976	0.1024	0.0646	0.0236	0.0358	0.0007	-	0.5247	
Extra Capacity Allocator	0.2672	0.1028	0.0277	0.0129	0.0142	0.0108	0.0397	0.4753	
Combined Allocator	0.5648	0.2052	0.0923	0.0365	0.0500	0.0115	0.0397	1.0000	7

4. BASE/EXTRA HOURLY (w FIRE PROTECTION)

		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Units
Average Hourly Use	26,113	8,981	66	431	-	60	-	35,650	hundred gallons
Extra Capacity	90,689	14,246	43	263	-	3,952	13,989	123,181	hundred gallons
System Capacity Factor	0.3146 a	assuming fire prote	ction						
Average Day Allocator	0.2304	0.0793	0.0006	0.0038	-	0.0005	-	0.3146	
Extra Capacity Allocator	0.5046	0.0793	0.0002	0.0015	-	0.0220	0.0778	0.6854	
Combined Allocator	0.7350	0.1585	0.0008	0.0053	-	0.0225	0.0778	1.0000	7

MIEC St. Louis County Class Cost of Service Study Case No: WR-2024-0320, SR 2024-0321 Tab: Class Allocator

Missouri-American Water Company Cost of Service Study - Class Allocators Case No: WR-2024-0320, SR-2024-0321

5. STORAGE

		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Unit
Average Hourly Use	26,113	8,981	5,664	2,071	3,142	60		46,031	
Extra Capacity	90,689	14,246	3,649	1,266	1,388			111,239	
Fire Allocator						0.22286	0.77714	1.00000	
System Capacity Factor	0.3146	assuming fire prote	ction						
Average Day Allocator	0.1785	0.0614	0.0387	0.0142	0.0215	0.0004		0.3146	
Extra Capacity Allocator	0.5588	0.0878	0.0225	0.0078	0.0086			0.6854	
Allocator	0.7372	0.1492	0.0612	0.0220	0.0300	0.0004		1.0000	
Non-Fire Allocation of Storage	0.88541								
Fire Allocaton of Storage	0.11459								
Non-Fire Allocator	0.6528	0.1321	0.0542	0.0194	0.0266	0.0004	-	0.8854	
Fire Allocator	-	-	-	-	-	0.0255	0.0891	0.1146	
Combined Allocator	0.6528	0.1321	0.0542	0.0194	0.0266	0.0259	0.0891	1.0000	

6. MAINS

011111110									
		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Units
Factor 4	0.5648	0.2052	0.0923	0.0365	0.0500	0.0115	0.0397	1.0000	hundred gallons
Factor 5	0.7350	0.1585	0.0008	0.0053	-	0.0225	0.0778	1.0000	hundred gallons
Tranmission Weighting	0.0946	A	verage system hou	urly load					
Distribution Weighting	0.9054	A	verage system hou	urly load - max day	with fire protect	tion (incremental)			
Combined Allocator	0.7189	0.1629	0.0095	0.0082	0.0047	0.0215	0.0742	1.0000]
7. HYDRANTS									
		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Units
Total Hydrants	-	-	-	-	-	39	33,301	33,340	_
Allocator	-	-	-	-	-	0.00116	0.99884	1.00000]
									-

Tab: Class Allocator

Missouri-American Water Company Cost of Service Study - Class Allocators Case No: WR-2024-0320, SR-2024-0321

8. METERS

		Non				Rate F			
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Weighting
5/8-METER	286,221	7,696	1	-	-			293,917	1.0
3/4-METER	24,510	3,064	-	-	-			27,574	1.5
1-METER	10,179	2,207	1	-	-			12,386	2.5
1.5-METER	821	1,122	1	-	-			1,944	5.0
2-METER	979	3,326	29	-	-			4,333	8.0
3-METER	14	330	18	-	-			362	16.0
4-METER	15	234	39	-	-			287	25.0
6-METER	16	221	39	-	-			276	50.0
8-METER	30	258	34	-	-			322	80.0
10-METER	2	55	21	-	-			78	115.0
12-METER	-	-	-	-	-			-	215.0
16-METER	-	-	-	-	-			-	320.0
Total	364,402	99,171	8,560	-	-	-		472,133	
Allocator	0.77182	0.21005	0.01813	-	-	-		1.00000	

9. SERVICES

	Non				Rate F			
Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total	Weighting
286,221	7,696	1	-	-	-		293,917	1.0
24,510	3,064	-	-	-	-		27,574	1.0
10,179	2,207	1	-	-	-		12,386	2.9
821	1,122	1	-	-	-		1,944	4.0
979	3,326	29	-	-	143		4,476	5.6
14	330	18	-	-	3		365	5.6
15	234	39	-	-	544		831	6.4
16	221	39	-	-	2,308		2,584	9.9
30	258	34	-	-	1,373		1,694	9.9
2	55	21	-	-	46		125	9.9
-	-	-	-	-	74		74	12.2
-	-	-	-	-	-		-	12.2
350,037	48,834	1,444	-	-	42,144		442,458	
0.79112	0.11037	0.00326	-	-	0.09525		1.00000	
	286,221 24,510 10,179 821 979 14 15 16 30 2 - - - 350,037	286,221 7,696 24,510 3,064 10,179 2,207 821 1,122 979 3,326 14 330 15 234 16 221 30 258 2 55 - - - - 350,037 48,834	Residential Rate J 286,221 7,696 1 24,510 3,064 - 10,179 2,207 1 821 1,122 1 979 3,326 299 14 330 18 15 234 39 16 221 39 30 258 34 2 55 21 - - - - - - 350,037 48,834 1,444	Residential Rate J Rate B 286,221 7,696 1 - 24,510 3,064 - - 10,179 2,207 1 - 821 1,122 1 - 979 3,326 299 - 14 330 18 - 15 234 39 - 16 221 39 - 30 258 34 - 2 55 21 - - - - - - - - - 350,037 48,834 1,444 -	Residential Rate J Rate B Rate P 286,221 7,696 1 - - 24,510 3,064 - - - 10,179 2,207 1 - - 821 1,122 1 - - 979 3,326 29 - - 14 330 18 - - 15 234 39 - - 16 221 39 - - 30 258 34 - - - - - - - - - - - - 30 258 34 - - - - - - - - - - - - - - -	Residential Rate J Rate B Rate P Private Fire 286,221 7,696 1 - - 24,510 3,064 - - - 10,179 2,207 1 - - 821 1,122 1 - - - 979 3,326 29 - - 143 14 330 18 - - 34 15 234 39 - 2,308 34 16 221 39 - 2,308 34 30 258 34 - 1,373 35 2 55 21 - - 46 - - - - - 74 - - - - - - 42,144	Residential Rate J Rate B Rate P Private Fire Public Fire 286,221 7,696 1 - - - - 24,510 3,064 - - - - - 10,179 2,207 1 - - - - 821 1,122 1 - - - - 979 3,326 29 - - 143 - 14 330 18 - - 3 - - 15 234 39 - - 2,308 - </td <td>ResidentialResidentialRate JRate BRate PPrivate FirePublic FireTotal$286,221$$7,696$$1$$293,917$$24,510$$3,064$$27,574$$10,179$$2,207$$1$$821$$1,122$$1$$12,386$$979$$3,326$$29$$143$$4,476$$14$$330$$18$$3$$365$$15$$234$$39$$544$$831$$16$$221$$39$$2,308$$2,584$$30$$258$$34$$46$$125$$350,037$$48,834$$1,444$$42,144$$442,458$</td>	ResidentialResidentialRate JRate BRate PPrivate FirePublic FireTotal $286,221$ $7,696$ 1 $ 293,917$ $24,510$ $3,064$ $ 27,574$ $10,179$ $2,207$ 1 $ 821$ $1,122$ 1 $ 12,386$ 979 $3,326$ 29 $ 143$ $4,476$ 14 330 18 $ 3$ 365 15 234 39 $ 544$ 831 16 221 39 $ 2,308$ $2,584$ 30 258 34 $ 46$ 125 $ 350,037$ $48,834$ $1,444$ $ 42,144$ $442,458$

10. CUSTOMERS

		Non				Rate F		
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total
Total Customers	323,252	18,448	160	4	2	7,667		349,533
Allocator	0.92481	0.05278	0.00046	0.00001	0.00001	0.02193		1.00000

11. METERED CUSTOMERS

MIEC St. Louis County Class Cost of Service Study Case No: WR-2024-0320, SR 2024-0321 Tab: Class Allocator

Missouri-American Water Company Cost of Service Study - Class Allocators Case No: WR-2024-0320, SR-2024-0321

		Non				Rate F		
Item	Residential	Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total
Total Customers	323,252	18,448	160	4	2	7,667		349,533
Allocator	0.92481	0.05278	0.00046	0.00001	0.00001	0.02193		1.00000

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MIEC St. Louis County Class Cost of Service Study Case No: WR-2024-0320, SR 2024-0321 Tab: Allocator Summary

Missouri-American Water Company Cost of Service Study - Allocator Summary Case No: WR-2024-0320, SR-2024-0321

		Source of		Water									
Alloc	Description	Supply	Pumping	Treatment	Transmission	Distribution	Storage	Meters	Services	Customers	Hydrants	Total	Notes
A Source o	of Supply	1.00000	-	-	-	-	-	-	-	-	-	1.00000	
B Pumping	5	-	1.00000	-	-	-	-	-	-	-	-	1.00000	
C Water T	reatment	-	-	1.00000	-	-	-	-	-	-	-	1.00000	
D Transmis	ssion	-	-	-	1.00000	-	-	-	-	-	-	1.00000	
E Distribut	tion	-	-	-	-	1.00000	-	-	-	-	-	1.00000	
F Storage		-	-	-	-	-	1.00000	-	-	-	-	1.00000	
G Meters		-	-	-	-	-	-	1.00000	-	-	-	1.00000	
H Services		-	-	-	-	-	-	-	1.00000	-	-	1.00000	
I Custome	ers	-	-	-	-	-	-	-	-	1.00000	-	1.00000	
J Hydrant	s	-	-	-	-	-	-	-	-	-	1.00000	1.00000	
K Mains		-	-	-	0.09464	0.90536	-	-	-	-	-	1.00000	
1 T/D Ope	r. Expense	-	-	-	0.06317	0.60429	-	0.33254	-	-	-	1.00000	
2 T/D Mai	nt Expense	-	-	-	0.03156	0.30191	0.04204	0.08956	0.19427	-	0.34067	1.00000	
3 Fixed O8	δM	0.03029	0.07685	0.16686	0.02796	0.26744	0.00909	0.13061	0.04200	0.17525	0.07365	1.00000	
4 Labor		0.01153	0.11742	0.25685	0.03191	0.30525	0.00606	0.15683	0.02809	0.03693	0.04912	1.00000	
5 Net Plan	t (less gen. and int.)	0.02271	0.03658	0.07645	0.05842	0.55930	0.00572	0.10767	0.08945	0.01034	0.03337	1.00000	
6 Rate Bas	se	0.02564	0.04145	0.08665	0.05569	0.53323	0.00646	0.11942	0.08513	0.01140	0.03493	1.00000	

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						Rate F		
Alloc Description	Residential	Non-Residential	Rate J	Rate B	Rate P	Private Fire	Public Fire	Total
1 Total Usage	0.56728	0.19511	0.12305	0.04500	0.06826	0.00130	-	1.00000
2 Base/Extra Daily	0.59462	0.21597	0.09737	0.03854	0.05278	0.00072	-	1.00000
3 Base/Extra Daily w/ Fire	0.56481	0.20522	0.09227	0.03655	0.05000	0.01145	0.03970	1.00000
4 Base/Extra Hourly w/ Fire	0.73504	0.15853	0.00082	0.00526	-	0.02251	0.07783	1.00000
5 Storage	0.65276	0.13207	0.05418	0.01944	0.02659	0.02590	0.08905	1.00000
7 Hydrants	-	-	-	-	-	0.00116	0.99884	1.00000
8 Meters	0.77182	0.21005	0.01813	-	-	-	-	1.00000
9 Services	0.79112	0.11037	0.00326	-	-	0.09525	-	1.00000
10 Customers	0.92481	0.05278	0.00046	0.00001	0.00001	0.02193	-	1.00000
11 T/D Oper. Expense	0.73652	0.17861	0.01235	0.00549	0.00316	0.01433	0.04954	1.00000
12 T/D Maint Expense	0.48999	0.10014	0.00770	0.00356	0.00270	0.02715	0.36877	1.00000
13 Fixed O&M	0.67505	0.14900	0.03216	0.01302	0.01589	0.01553	0.09935	1.00000
14 Labor	0.64968	0.17579	0.04344	0.01753	0.02179	0.01248	0.07929	1.00000
15 Net Plant (less gen. and int.)	0.67872	0.16670	0.02797	0.01258	0.01371	0.02189	0.07842	1.00000
16 Rate Base	0.67411	0.16843	0.03052	0.01334	0.01500	0.02087	0.07774	1.00000
17 Mains	0.71893	0.16295	0.00948	0.00823	0.00473	0.02147	0.07422	1.00000

Missouri-American Water Company

Company Full Certificated Name

Do not abbreviate; include any Commission approved AKA/DBA/Fictitious Name, if applicable.

WATER and/or SEWER ANNUAL REPORT

LARGE COMPANY

(with 8,000 or more customers)

TO THE

MISSOURI PUBLIC SERVICE COMMISSION

For the calendar year of

January 1 - December 31, 2023

This filing is required pursuant to Commission Rule 20 CSR 4240-10.145 and/or Section 393.140, RSMo.

Please indicate which type of service the Company is <u>certificated</u> to provide by checking the appropriate box(es). (Check all that apply.)

☑ Water Service Provider

□ Sewer Service Provider

Please choose one of the following filing type options:

- Public Submission (NOT Confidential)
- Non-Public Submission (Confidential / Filed Under Seal) For this filing to be considered Confidential, additional submission of materials is required pursuant to Commission Rule 20 CSR 4240-2.135.

Excel Issue Date: 5/10/2023

(To be used when filing under seal.)

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FEET OF TRANSMISSION AND DISTRIBUTION MAINS St. Louis

2. New mains are those laid primarily for the pu	rpose of serving new customers; r	replacements are mains laid to serve customers	s already receiving water service, regardles	s of the size of mains replaced.
2. How mand are alloss faid primarily for allo pe	apooo or corring non castomore, i	opiacomonito are maine lala te conte casterner	o anodal) roborning nator bornibo, rogaraloo	o or the electer of maine replaced.

Kind of Pipe		In Use at		Added During the Year (in feet)		Retirements	Adjustments Debit (Credit) (in feet) (h)	In Use at
(case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	Beginning of Year (in feet) (c)	New Mains (d)	Replacements (e)	Total (f)	During the Year (in feet) (g)		End of Year (in feet) (i)
Fransmission Mains:), CI, HDPE, PVC), CI, HDPE), CI, PVC), CI, HDPE), CI HDPE), CI, AC), CI, AC), CI, AC), CI, AC), CI, AC), CI, AC), CI, AC Total Transmission Mains	16 18 20 24 30 36 42 42 48 54 54 60	1,106 813,620 399,608 264,088 1,805 277,268 70,374 87 178	72 892 2 5,295 350 6,611	9,253 1,107 8,147 25 1,100	9,325 - 1,999 8,149 26 - - - - - - - - - - - - - - - - - -	8,014 3,282 4 11 329 11,640		In Use at End of Year (in feet) (i) 463,452 1,106 812,337 407,753 264,102 1,805 263,334 70,374 87 7,348 4,938 2,316,816
Distribution Mains: DI, CJ, PVC, AC, Galv DJ, CJ, PVC, AC HDPE DJ, CJ, PVC DJ, CJ, PVC HDPE DJ, CJ, PVC, Galv Mise	4 6 8 10 12 12 3 or less	13,746	446 2,902 31,601 3,577	392 15,468 199,106 56 40,894 383 470	838 18,370 230,707 - 6 44,471 383 470 - - - - - - - - - - - - - - - - - - -	7,958 106,056 17,302 - 1,84 6,359 - 712		465,915 11,438,248 7,276,936 25,192 107,003 2,804,496 14,129 30,154 642 - - - - - - - - - - -
Total Distribution Mains		22,007,291	38,526	256,769	- 295,295	139,871	-	- 22,162,71

SERVICES								
			Utility Owned S	Services In Use				
	Size and Kind of Pipe (a)	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	Services In Us at End of Yea not Included ir Plant Accts. (f)		
" Copper /2"		14,333	12,492 9	74	26,751			
-1/2" Copper		1,016	55	-	1,071			
-1/4" Copper " Copper		53 256	17 65	- 3	70 318			
" Copper		17		-	17			
" Copper /4" Copper		7 2,287	142	- 134	7 2,295			
2" Ductile Iron		5	142	104	2,200			
0" Ductile Iron " Ductil Iron		4 73	4		4 77			
" Ductile		65	4		71			
" Ductile Iron		20			20			
" Ductil Iron		1			- 1			
					-			
Total		18,137	12,790	211	- 30,707			
			.=,					

For the calendar year of January 1 - December 31, 2023