

**BEFORE THE  
PUBLIC SERVICE COMMISSION OF WISCONSIN**

Application of Madison Gas and Electric  
Company for Authority to Change  
Electric and Natural Gas Rates

Docket No. 3270-UR-124

**APPLICATION FOR APPROVAL  
OF A SETTLEMENT AGREEMENT UNDER WIS. STAT. § 196.026**

**INTRODUCTION**

Madison Gas and Electric Company (MGE or the Company) submits this Application for approval of a Settlement Agreement under Wis. Stat. § 196.026 (the “Settlement Agreement Application”). The Settlement Agreement incorporates all audit adjustments made by Public Service Commission of Wisconsin (Commission or PSCW) staff, and also contains additional reductions in operations and maintenance expenses for MGE. Moreover, the Settlement Agreement is signed, at least in part, by all parties in the docket.

On May 3, 2021, MGE filed an application for authority to change electric and natural gas rates with the Commission (the “Initial Application”). (PSC REF # 410748.) MGE filed the Initial Application, and accompanying direct testimony and exhibits, in order to comply with Order Point 38 in the Commission’s Final Decision in Docket No. 3270-UR-123, which required MGE to, among other things, “file a full rate case by no later than May 1, 2021 . . . .”<sup>1</sup> (PSC REF # 402247 at 77-78.) MGE maintains that its Initial Application satisfied Order Point 38.

After filing its Initial Application, MGE had numerous meetings with the six intervening parties in this docket: Clean Wisconsin, Citizens Utility Board (CUB), RENEW Wisconsin

<sup>1</sup> The Commission granted MGE’s request to file the Initial Application on May 3, 2021 instead of May 1, 2021. (PSC REF # 408585.)

(RENEW), Sierra Club, the Board of Regents of the University of Wisconsin System (UW), and the Wisconsin Industrial Energy Group (WIEG) (along with MGE, the “Settling Parties”). Based on these productive meetings, it became apparent that the parties may be able to reach a settlement, which is encouraged under Wis. Stat. § 196.026(1), on many issues. Further, MGE responded to Commission staff’s Initial Data Requests for a full rate case, both before and after the filing of the Initial Application.

The result of the meetings, collaboration, and information sharing is a comprehensive Settlement Agreement signed, at least in part, by all Settling Parties.<sup>2</sup> The Settlement Agreement is attached to this application, and incorporates an Attachment A (Settlement Terms), Attachment B (electric cost of service study and rate design), Attachment C (natural gas cost of service study and rate design), and Attachment D (Basic Customer Charge Methodology) (collectively, the “Settlement Agreement”). The Settlement Agreement is a carefully constructed agreement generated by the Settling Parties based on rounds of negotiation and compromise, and was facilitated by a full and complete audit by Commission staff.<sup>3</sup>

MGE respectfully requests that the Commission approve the Settlement Agreement in its entirety, without modification, because:

- The Settling Parties adequately represent the public interest;
- The Settlement Agreement represents a fair and reasonable resolution in this rate case docket;

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<sup>2</sup> The fact MGE filed the Initial Application in May does not prohibit the Settling Parties from pursuing a settlement under Wis. Stat. § 196.026. In Docket No. 5-UR-109, Wisconsin Electric Power Company and Wisconsin Gas LLC initially filed a rate application in March 2019, but then, after Commission staff completed its audit, pursued a settlement with intervening parties under Wis. Stat. § 196.026. (PSC REF # 381305).

<sup>3</sup> As stated in the Settlement Agreement, Sierra Club opposes the terms reflected in Attachment A, Section G, Paragraphs 1 and 2, and, as a result, does not join the other parties as to the terms reflected in Attachment A, Section G or Attachments B or C. However, Sierra Club joins the Settling Parties on the other terms of the Settlement Agreement, including the agreement on the revenue requirement.

- The Settlement Agreement is supported by substantial evidence on the record as a whole;
- The Settlement Agreement complies with applicable law;
- The rates resulting from the Settlement Agreement are just and reasonable; and
- All parties in the docket will be given a reasonable opportunity to present evidence and arguments in opposition to the Settlement Agreement, to the extent applicable.

## **OVERVIEW OF SETTLEMENT AGREEMENT TERMS AND CONDITIONS**

Over the past four months, Commission staff has conducted a full and complete audit of MGE's Initial Application. Significantly, all of Commission staff's audit adjustments are incorporated into the Settlement Agreement. In addition, MGE's operating and maintenance expenses have been further reduced based on the compromises reached by the Settling Parties during negotiations. MGE's electric operating expenses are further reduced by \$900,000 as part of the settlement, and its natural gas operating expenses are further reduced by \$200,000, providing a great financial benefit to MGE's customers.

The Settlement Agreement also includes a number of other significant terms and conditions. For example, the Settlement Agreement:

- Reduces the electric residential customer charge to \$17 per month in 2022 and to \$15 per month in 2023;
- Incorporates the electric and natural gas cost of service studies and rate designs agreed to by the majority of the Settling Parties;<sup>4</sup> and
- Seeks to increase the participation limit of smart thermostats in the Bring Your Own Device Service Rider (BYOD-1) to 4,000 customers in 2022 and 6,000 customers in 2023.

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<sup>4</sup> As noted in the Settlement Agreement, Sierra Club opposes the terms reflected in Attachment A, Section G, Paragraphs 1 and 2, which paragraphs contain the terms and conditions on the electric residential customer charge and the electric and natural gas cost of service studies and rate designs.

Moreover, the unique procedural nature of this docket provides volumes of support for the Settlement Agreement. The direct testimony and exhibits filed by MGE in May and the numerous responses to Commission staff and intervenor data requests in this docket all support the negotiated terms and conditions contained in the Settlement Agreement.

#### **SETTLEMENT AGREEMENT SATISFIES STATUTORY CRITERIA FOR APPROVAL**

The Settlement Agreement is presented to the Commission for approval. MGE submits that the standards identified in Wis. Stat. § 196.026(7) are met and asks the Commission to approve the Settlement Agreement in its entirety, without modification.

Section 196.026(7) states:

The commission may approve a settlement agreement under sub. (4) if all of following conditions are met:

- (a) All of the following have been given a reasonable opportunity to present evidence and arguments in opposition to the settlement agreement:
  - 1. Each party that has filed an objection or nonobjection to the settlement agreement under sub. (6).
  - 2. Each party whose failure to respond in writing constitutes a nonobjection to the settlement agreement under sub. (6).
- (b) The commission finds that the public interest is adequately represented by the parties who entered into the settlement agreement.
- (c) The commission finds that the settlement agreement represents a fair and reasonable resolution to the docket, is supported by substantial evidence on the record as a whole, and complies with applicable law, including that any rates resulting from the settlement agreement are just and reasonable.

All Settling Parties have executed the Settlement Agreement, at least in part. The intervening parties in this docket blanket the spectrum of customer interests and adequately represent the public interest. Resulting from rounds of negotiations and compromise by all parties, the Settlement Agreement represents a fair and reasonable resolution in this rate case docket. The Settlement Agreement is supported by the substantial evidence contained in the

attachments,<sup>5</sup> it complies with applicable law, and the rates contained in the agreement are just and reasonable. Indeed, this docket again demonstrates that the settlement process identified in Wis. Stat. § 196.026 can work efficiently and effectively to resolve matters before the Commission.

Consequently, MGE respectfully requests that the Commission approve the Settlement Agreement in its entirety, without modification.

Dated: September 2, 2021.

STAFFORD ROSENBAUM LLP

*/s/ Bryan Kleinmaier*

By \_\_\_\_\_  
Bryan Kleinmaier  
Attorney for Applicant,  
Madison Gas and Electric Company

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<sup>5</sup> Concurrent with the filing of this Application, Scott Smith and Stacy Rhone of MGE are filing supplemental direct testimony in support of the Settlement Agreement, including verifying all of the information and schedules contained in the attachments.

## SETTLEMENT AGREEMENT

This settlement agreement (Agreement) is entered into as of this 2<sup>nd</sup> day of September, 2021, by and among the following parties: Madison Gas and Electric Company (MGE), Clean Wisconsin (CLEAN), Citizens Utility Board (CUB), RENEW Wisconsin (RENEW), Sierra Club (SIERRA CLUB), the Board of Regents of the University of Wisconsin System (UW), and Wisconsin Industrial Energy Group (WIEG) (collectively, the “Parties” and individually a “Party”).

### RECITALS

- A. MGE is an investor-owned public utility, as defined in Wis. Stat. § 196.01(5), which is engaged in the generation and distribution of electricity to approximately 157,000 customers in Dane County, and in the purchase, transportation and distribution of natural gas to approximately 166,000 customers in Columbia, Crawford, Dane, Iowa, Juneau, Monroe and Vernon Counties.
- B. MGE has initiated Docket No. 3270-UR-124 with the Public Service Commission of Wisconsin (PSCW or Commission), which docket is titled the Application of Madison Gas and Electric Company for Authority to Change Electric and Natural Gas Rates (Proceeding). The Proceeding is for test years 2022 and 2023 for natural gas rates, and for test year 2022 for electric rates, with a limited re-opener for test year 2023 for electric rates consistent with this Agreement.
- C. CLEAN, CUB, RENEW, SIERRA CLUB, UW, and WIEG have full party status in the Proceeding as intervenors pursuant to Wis. Admin. Code ch. PSC 2.21, and they constitute all of the intervening parties in the Proceeding.
- D. The Parties acknowledge that fully litigating the Proceeding would require a substantial investment of time, effort, and expense by each Party in pursuit of its respective interest in the Proceeding.
- E. The Parties agree that they may avoid the time, effort, expense, and uncertainty associated with a fully contested Proceeding by entering into this Agreement pursuant to Wis. Stat. § 196.026.
- F. This Agreement has resulted from arms’ length negotiations between and among the Parties and represents a complex, interdependent set of compromises among divergent and substantial utility, customer, and stakeholder interests.
- G. The Parties have been advised by counsel and are satisfied that the terms and conditions of this Agreement, taken together, represent a fair, adequate, and reasonable resolution to the issue of MGE’s electric and natural gas rates, and agree that the material modification of terms may change a Party’s satisfaction with the settlement.

- H. The Parties are informed that MGE has in good faith shared with the other Parties all relevant information necessary to an informed negotiation, such that no Party's decision to enter into this Agreement was compromised by a lack of available information.

NOW THEREFORE, in consideration of the promises and the mutual agreements contained in this Agreement, and other good and valuable consideration, the sufficiency of which the Parties acknowledge, the Parties agree as follows:

1. Settlement Terms. The settlement terms contained in Attachments A, B (electric cost of service study and rate design), C (natural gas cost of service study and rate design), and D (Basic Customer Charge Methodology) attached hereto (Settlement Terms) comprise the Parties' substantive agreement as to MGE's base revenue requirements and rate design for test year 2022 for electric rates and for test years 2022 and 2023 for natural gas rates, except that SIERRA CLUB opposes the terms reflected in Attachment A, Section G, Paragraphs 1 and 2; and as a result does not join the other parties as to the terms reflected in Attachment A, Section G or Attachments B or C. The Settlement Terms include MGE's monitored fuel costs for 2022 pursuant to Wis. Admin Code ch. PSC 116, subject to the standard updates made for a utility fuel plan (*see* Attachment A, Section C.1.). The Settlement Terms represent the Parties' negotiated settlement of issues outstanding in the Proceeding, and are incorporated into, and are part of, this Agreement. The Settlement Terms are intended to address all issues in the Proceeding, subject to the standard updates made for a utility fuel plan (*see* Attachment A, Section C.1.). Further, the Settlement Terms include a provision that electric retail rates for 2023 will be subject to a limited reopener filing for generation assets, including purchased power agreements (PPA), and any changes that may occur in the federal tax code. MGE will propose the Settlement Terms as support for the Commission's findings of fact, conclusions of law, order points, and opinion (as applicable) in the Proceeding.
2. Scheduled Hearings. Notwithstanding this Agreement, the Parties agree and understand that a Hearing: Public Session will occur starting at 1 p.m. and 6 p.m. on September 21, 2021 and that a Hearing: Party Session will occur starting at 10 a.m. on September 22, 2021 pursuant to the Scheduling Order issued in this Proceeding (PSC REF # 418284). For avoidance of doubt, this Agreement is not intended to, and does not, modify any provisions of the Scheduling Order.
3. Commission Staff Audit. The Parties agree that at the time of the filing of this Agreement, Commission Staff will not yet have filed its testimony and exhibits in this Proceeding, which testimony and exhibits will support adjustments made by Commission Staff in its audit. Notwithstanding that fact, the Parties agree that the Settlement Terms are intended to incorporate, and do incorporate, all adjustments made by Commission Staff in its audit. Further, in addition to adjustments made by Commission Staff in its audit, the Settlement Terms also include a further reduction in operation and maintenance expenses for electric of \$900,000 and for gas of \$200,000. The Parties have made a good faith effort to incorporate known Commission Staff audit changes in the Settlement Terms. To the extent that the audit results identified in Commission staff's testimony and exhibits filed on Friday, September 3, 2021 result in a \$1,000,000 or greater cumulative change in the revenue requirement across test years 2022 and 2023 for both electric and natural gas, the Parties shall work in good faith to determine whether and to what extent the Parties support the adjustments and, if so, to negotiate a mutually acceptable amendment to this

Agreement to reflect or incorporate those changes into the Settlement Terms. For avoidance of doubt, the previous sentence shall not apply to standard updates made by Commission staff in a rate case docket, like updates to fuel costs or transmission expenses. To the extent any updates to the Settlement Terms are required to reflect the Commission Staff audit after Commission Staff files its testimony and exhibits in this Proceeding, MGE shall address the updates in rebuttal testimony, and the Parties agree to support the updates to the Settlement Terms, except that SIERRA CLUB is not required to support the terms reflected in Attachment A, Section G or Attachments B or C.

4. Cooperation of the Parties.<sup>1</sup> MGE will file an application with the PSCW in the Proceeding (Application) attaching this Agreement and its attachments as an exhibit and seeking an order from the Commission consistent with this Agreement. The Parties will support the Application as reasonably requested by MGE, including by filing supportive testimony, briefing, or correspondence for, or otherwise advocating in favor of, the terms of this Agreement in the Proceeding. Subject to the requirement that the Parties support the Agreement, each Party determines for itself the language it will use in doing so. No Party will oppose, directly or indirectly, any aspect of this Agreement in any venue. If the Commission adopts part, but not all of this Agreement, or imposes one or more conditions on its approval of the Agreement, each Party will, within five business days of the relevant Commission open meeting, notify all of the other Parties whether the Party is willing to accept the Commission's decision. If one or more Parties indicate that they are not willing to accept the Commission's decision, all of the Parties will jointly or individually file a request for Commission rehearing or, alternatively should all the Parties agree, for a contested case evidentiary hearing. In either case, the Parties shall zealously advocate for the Commission's adoption of those portions of the Agreement that the Commission rejected and for the elimination of any conditions that the Commission imposed. If one or more Parties files a motion for rehearing, and such motion is rejected or otherwise denied, then all of the Parties, jointly or individually, will file a motion for a contested case hearing on the rejected portions of the Agreement and the conditions imposed by the Commission, and in such proceeding, shall support the Commission's adoption of those portions of the Agreement and deletion of the imposed conditions in an amended Commission order. Subject to the requirement that the Parties support the Agreement as specified in this Paragraph 2, each Party shall determine in its sole discretion the language contained in its submissions to the Commission or any other venue.

5. Precedential Effect of Settlement Terms. The Parties expressly intend that this Agreement is entered into solely for purposes of settling the outstanding issues in the Proceeding. The Parties agree that the substantive details of this Agreement will have no precedential effect on the Parties in later PSCW proceedings or bind the Commission's future decisions in any way except insofar as necessary to effectuate or enforce the terms of this Agreement.

6. Entire Agreement. This Agreement contains the entire agreement between the Parties with respect to the subjects addressed herein and on a going forward basis supersedes all prior agreements and understandings, express or implied. In entering into this Agreement, no Party is

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<sup>1</sup> For avoidance of doubt, this Section 4 does not require SIERRA CLUB to join the other parties as to the terms reflected in Attachment A, Section G or Attachments B or C and, in fact, SIERRA CLUB does not join the other parties as to the terms reflected in Attachment A, Section G or Attachments B or C.



relying on any representation or consideration not expressed herein. Any modification of this Agreement may be made only by an instrument in writing signed by or on behalf of all the Parties hereto.

7. Signature by Counterparts. The Parties agree that this Agreement may be executed in counterparts and a signature by copy, facsimile, or PDF is as binding as an original signature.

8. Authority. The Parties represent and warrant that the individuals signing below for each Party have full power and authority to execute this Agreement.

9. Preamble. The Preamble and Recitals hereto are intended to be an integral part of this Agreement. The Preamble and Recitals hereto (including the definitions set forth therein) are hereby incorporated by reference.

[Signature pages follow]

MADISON GAS AND ELECTRIC COMPANY

A handwritten signature in black ink, appearing to be 'S. R. Smith', written over a horizontal line.

By:

Name: Scott R. Smith

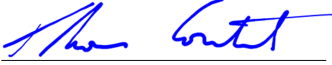
Title: Vice President

Business and Regulatory Strategy

CLEAN WISCONSIN

By: Mark Redsten  
Name: Mark Redsten  
Title: President & CEO

CITIZENS UTILITY BOARD

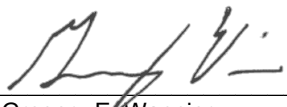
By:   
Name: \_\_\_\_\_ Thomas Content  
Title: \_\_\_\_\_ Executive Director

RENEW WISCONSIN

By:   
Name: Heather Allen  
Title: Executive Director

**September 2, 2021**

SIERRA CLUB

By:   
Name: Gregory E. Wannier  
Title: Staff Attorney

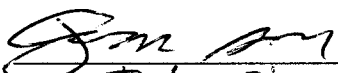
BOARD OF REGENTS OF THE  
UNIVERSITY OF WISCONSIN SYSTEM

By: 

Name: Robert G Cramer

Title: Vice Chancellor (Interim)

WISCONSIN INDUSTRIAL ENERGY GROUP

By:   
Name: Todd Stuart  
Title: Executive Director  
9-2-21



## **ATTACHMENT A**

### **SETTLEMENT TERMS: PSCW DOCKET NO. 3270-UR-124**

#### **A. MGE's Retail Electric Revenue Requirements Generally**

1. Overall rate changes for the test year ending December 31, 2022, are authorized consisting of a \$20,526,000 annual increase for retail electric operations, a 5.16 percent increase. Any adjustments for fuel and transmission expenses will be updated in October/November, consistent with the Commissions past practice.
2. MGE's electric operating income statement, net investment rate base, and required return on net investment rate base for test year 2022, as adjusted by Commission staff and a further operations and maintenance (O&M) adjustment of \$900,000 consistent with this settlement, are reasonable.
3. Overall rate changes for the test year ending December 31, 2023, will utilize the adjustments from test year 2022. In addition, electric retail rates for 2023 will be subject to a limited reopener filing for generation assets, including purchased power agreements (PPA), and any changes that may occur in the federal tax code. For avoidance of doubt, MGE's 2023 monitored fuel plan shall be incorporated in the reopener filing.

#### **B. MGE's Retail Natural Gas Revenue Requirements Generally**

1. Overall rate changes for the test year ending December 31, 2022, are authorized consisting of a \$4,155,000 annual increase for retail natural gas operations, a 2.15 percent increase.
2. Overall rate changes for the test year ending December 31, 2023, are authorized consisting of a \$1,845,000 annual increase for retail natural gas operations, a 0.96 percent increase.
3. MGE's natural gas operating income statement, net investment rate base, and required return on net investment rate base for test years 2022 and 2023, as adjusted by Commission staff and a further O&M adjustment of \$200,000 consistent with this settlement, are reasonable.

#### **C. MGE's Monitored Fuel Costs for 2022**

1. It is reasonable that MGE's revenue requirements under this settlement agreement reflect 2022 monitored fuel costs as audited by Commission staff and then updated closer to the Commission's decision, consistent with the Commissions past practice. These updates will include:
  - a. Incorporate market prices for natural gas, oil, Locational Marginal Prices (LMP), Wisconsin Electric Power Company Purchased Power Agreement (PPA) volumes and prices, and anticipated gains or losses on hedging

instruments as of a date determined by the Commission.

- b. Reflect an update to delivered coal prices and heat content for Columbia and Elm Road.
- c. Reflect an update to Commission staff's audit adjustment to West Campus Cogeneration Facility (WCCF) generation based items a. and b. above.
- d. Reflect an outage of the Forward Energy Center (FEC) wind farm during spring/summer 2022 due to planned transmission system work.

(collectively, the "Fuel Cost Plan Updates").

Any change based on the Fuel Cost Plan Updates approved by the Commission will be reflected in the overall revenue requirement authorized for 2022 monitored fuel costs, and the 2022 monitored fuel cost plan will utilize an annual bandwidth of plus or minus one percent, as provided in Wis. Admin. Code §116.06(3).

2. It is reasonable that, if requested, MGE provide additional information supporting its 2022 monitored fuel cost plan in accordance with Wis. Adm. Code Ch. PSC 116.

**D. Material Operating Changes Affecting Revenue Requirements Since MGE's Last Rate Proceeding**

1. It is reasonable for MGE to accept all adjustments made by Commission staff during the audit.
2. It is reasonable for MGE to further reduce O&M expenses for electric by \$900,000 and gas by \$200,000 consistent with this settlement.
3. It is reasonable for MGE to continue to defer uncollectible (bad debt expenses) and late-payment fees due to the Public Health Emergency per docket 5-AF-105 PSC REF # 389500 to a future rate proceeding.
4. It is reasonable for MGE to continue to utilize escrow accounting for transmission, Elm Road Generating Station and Pension and Other Post Retirements costs.
5. It is reasonable for MGE to reflect the depreciation rates approved in 3270-DU-105 PSC REF # 417073.

**E. MGE's Operating Income Statement**

1. Overall rate changes for the test year ending December 31, 2022, are authorized consisting of a \$20,526,000 annual increase for retail electric operations, a 5.16 percent increase. Any adjustments for fuel and transmission expenses will be updated in October/November, consistent with the Commissions past practice.

2. Presently authorized rates for MGE's retail electric utility operations will produce total operating revenues of \$409,315,000 in test year ending December 31, 2022, which results in an adjusted net operating income of \$60,050,000, which is insufficient.
3. For MGE's retail electric operations, the estimated rate of return on average net investment rate base of \$1,044,362,000 at current rates subject to the Commission's jurisdiction for the test year is 5.75 percent, which is insufficient.
4. A reasonable increase in operating revenue for test year 2022 to produce a return of 7.18 percent return on MGE's average net investment rate base for MGE's retail electric operations is \$20,526,000.
5. MGE's Retail Electric Operating Income Statement for test year 2022, to this Agreement is reasonable.
6. Overall rate changes for the test year ending December 31, 2022, are authorized consisting of a \$4,155,000 annual increase for retail natural gas operations, a 2.15 percent increase.
7. Presently authorized rates for MGE's retail gas utility operations will produce total operating revenues of \$193,605,000 in test year ending December 31, 2022, which results in an adjusted net operating income of \$18,683,000, which is insufficient.
8. For MGE's retail gas operations, the estimated rate of return on average net investment rate base of \$299,319,000 at current rates in the test year ending 2022, subject to the Commission's jurisdiction for the test year is 6.24 percent, which is insufficient.
9. A reasonable increase in operating revenue for the test year to produce a return of 7.25 percent return on MGE's average net investment rate base for MGE's retail gas operations for the test year ending 2022 is \$4,155,000.
10. Overall rate changes for the test year ending December 31, 2023, are authorized consisting of a \$1,845,000 annual increase for retail natural gas operations, a 0.96 percent increase.
11. When compared to settled 2022 rates, MGE's retail gas utility operations will produce total operating revenues of \$192,032,000 in test year ending December 31, 2023, which result in an adjusted net operating income of \$21,134,000, which is insufficient.
12. For MGE's retail gas operations, the estimated rate of return on average net investment rate base of \$312,270,000 at current rates in the test year ending 2023, subject to the Commission's jurisdiction for the test year is 6.77 percent, which is insufficient.
13. A reasonable increase in operating revenue for the test year to produce a return of

7.20 percent return on MGE's average net investment rate base for MGE's retail gas operations for the test year ending 2023 is \$1,845,000.

14. MGE's Retail Gas Operating Income Statements for test year 2022 and 2023 to this Agreement is reasonable.
15. The fuel cost data for monitored fuel costs as audited by Commission staff will be used to monitor MGE's 2022 fuel costs. This amount is subject to change based only on the Fuel Cost Plan Updates approved by the Commission.
16. It is reasonable that MGE's revenue requirements under this settlement agreement reflect estimated 2022 monitored fuel costs that will be updated based on the Fuel Cost Plan Updates approved by the Commission. Any change between the estimate and the final approved fuel cost plan will be reflected in the overall revenue requirement authorized for 2022. Monitored fuel costs will utilize an annual bandwidth of plus or minus one percent, as provided in Wis. Admin. Code §116.06 (3).
17. It is reasonable that, if requested, MGE provide additional information supporting its 2022 fuel cost plan in accordance with Wis. Adm. Code Ch. PSC 116.
18. MGE's O&M expenses as filed, as adjusted by Commission staff and further adjustment of \$1,100,000 consistent with this settlement are, reasonable.
19. As part of the \$1,100,000 reduction identified in Section E.18. above, MGE shall remove from its revenue requirement any portion of dues and other amounts not already removed by Staff's audit paid to the following entities: Edison Electric Institute, American Gas Association, Wisconsin Utilities Association, Wisconsin Manufacturers and Commerce, Wisconsin Utility Investors, and chambers of commerce.
20. It is reasonable to maintain escrow treatment for the retail share of all MGE's transmission costs in Account 565.
21. It is reasonable to maintain escrow treatment for Pension and OPEB Costs in Account 926.
22. It is reasonable to continue to defer uncollectible (bad debt expenses) and late-payment fees due to the Public Health Emergency per docket 5-AF-105 PSC REF # 389500 to a future rate proceeding.
23. Regulatory asset and liability amortizations as adjusted by Commission staff and updated with the transmission expense update in October/November, are reasonable.

**F. MGE’s Capital Structure, Return on Equity, and Dividend Restriction**

1. It is reasonable for MGE to maintain its currently authorized Return on Equity of 9.80 percent.
2. It is reasonable for MGE to maintain an average regulatory capital structure for the 2022 and 2023 test years consisting of 55.63 percent common equity.
3. It is reasonable for MGE to maintain an authorized financial capital structure to include common equity of 55.00 percent, with a long-term range of 55.00 percent to 60.00 percent, consistent with past cases.
4. It is reasonable that MGE’s dividend restrictions be based on the financial capital structure in this proceeding.
5. A reasonable weighted average cost of capital (WACC) is 7.29 percent for the 2022 and 2023 test years.

**G. Rate and Service Changes with Associated Revenue Adjustments**

1. It is reasonable to implement the electric cost of service study and rate design changes proposed in Attachment B, Schedule 1 based on the range of electric cost of service study results shown in Attachment B, Schedule 11, and it is reasonable to implement the natural gas cost of service study and rate design changes proposed in Attachment C, Schedule 1.
2. It is reasonable that the Electric Residential Customer Charge be set at the daily equivalent of \$17 per month in 2022 and \$15 per month in 2023 with no changes to any of the current customer charges for gas in 2022 and 2023.
3. It is reasonable that Electric rates for 2023 will be subject to a limited re-opener filing for generation assets, including purchased power agreements (PPA), and any changes that may occur in the federal tax code.
4. It is reasonable that MGE will support a low-income thermostat pilot program that will be designed to include low-income customers residing in single family housing in the Bring Your Own Thermostat demand response program.
5. It is reasonable the MGE will file a small commercial economic development rate designed to incentivize small commercial economic recovery in Madison. MGE will support discounting the per-kWh Distribution Service Rate available to new customers who qualify for Cg-5 service and begin service in 2022. It will apply to each qualifying customer for a term of one year. (See Attachment B, Schedule 2.)
6. It is reasonable for MGE to work with CUB and Sierra Club to develop new, innovative ways designed to help low-income customers achieve lower overall energy bills.

7. It is reasonable for MGE to modify its Electric Vehicle Fleet Pilot 1 (EVF) and establish a capacity limit of 20 MW-DC, establish a term limit of ten years, and add clarifying language regarding the availability of the program. (See Attachment B, Schedule 3.)
8. It is reasonable for MGE to continue to work with PSCW Staff to develop reporting metrics for its EVF program.
9. It is reasonable for MGE to increase its electric reconnection charges during standard hours and all other times to \$42 and \$63 to be consistent with the current reconnection charges in gas. (See Attachment B, Schedule 4.)
10. It is reasonable for MGE to establish electric reconnection charges at the pole to the amounts of \$84 during standard hours and \$168 during all other times. (See Attachment B, Schedule 4.)
11. It is reasonable for MGE to remove outdated pricing language from its Backup Generation Service Rider (BGS) and to increase the minimum firm demand requirement to 150 kW. (See Attachment B, Schedule 5.)
12. It is reasonable for MGE to clarify language in its Cg-4 availability clause designating that customers with demand of 50 kW or more at any time (but less than the demand qualifying for service under Cg-2) will receive service under the Cg-4 rate schedule. (See Attachment B, Schedule 6.)
13. It is reasonable for MGE to increase the participation limit of smart thermostats in its Bring Your Own Device Service Rider (BYOD-1) to 4,000 customers in 2022 and 6,000 customers in 2023. (See Attachment B, Schedule 7.)
14. It is reasonable for MGE to change the Renewable Flat Bill rate schedule to clarify language in the Rate Provision section of the tariff. (See Attachment B, Schedule 8.)
15. Subject to Section G.2. above, it is reasonable for MGE to revise the Customer and Grid Connection Charge structure in rate schedule Cg-3 to move to a single Customer and Grid Connection Charge based on the proposed Cg-5 Customer and Grid Connection Charge. (See Attachment B, Schedule 9.)
16. Subject to Section G.2. above, it is reasonable for MGE to revise the Customer and Grid Connection Charge structure in rate schedule Cg-8 to move to a single Customer and Grid Connection Charge. (See Attachment B, Schedule 10.)
17. It is reasonable for MGE to increase its volumetric Primary Voltage Discount in its Primary Voltage Provision (PVP-1) from \$0.001/kWh to \$0.0018/kWh.
18. It is reasonable for MGE to adjust the DBS-1 procedure to allow for manual calculation of a weekly weighted average price for the purpose of calculating DBS-

1 monthly cash-out pricing if one of the required weekly averages posted by Gas Daily is not available. (See Attachment C, Schedule 2.)

19. It is reasonable for MGE to modify language in its tariffed natural gas refund provision to increase the dollar per therm amount that prompts customer notification of a pipeline refund from \$0.001 per therm to \$.010 per therm. (See Attachment C, Schedule 3.)
20. It is reasonable for MGE to support creating or increasing incentives for utility-controllable load-modifying technologies or resources similar to smart thermostats as part of the Focus on Energy Quadrennial Planning Process IV (Docket 5-FE-104).
21. It is reasonable for MGE to collaborate with RENEW Wisconsin, Clean Wisconsin, and other interested settling parties on expanding the BYOD program to include additional cost-effective demand response or load modifying resources such as, but not limited to, controlled water heaters, heat pumps, and battery electric storage. MGE shall work with interested settling parties to evaluate, develop, and file for approval of any agreed-upon proposals as part of TE docket on or before July 1, 2022 or a mutually agreed upon date.
22. It is reasonable that at such time that MGE proposes to increase the monthly fixed charge for its standard residential tariffs (Rg-1, Rg-2, Rg-2A), MGE shall provide as part of its application filing the results of a class cost of service study that includes a “basic customer cost” allocation methodology. This commitment will not require MGE to support the basic customer charge methodology. MGE has worked with RENEW Wisconsin, Clean Wisconsin, and CUB to define the “basic customer cost” allocation methodology for inclusion in the terms of this settlement agreement. These basic customer cost terms are defined in Attachment D of this settlement agreement. The obligations contained in the preceding sentences are not triggered by and do not prevent MGE from seeking Commission approval of a pilot program (or programs) whereby customers volunteer to have an increased fixed charge. Further, for avoidance of doubt, MGE shall not create new standard residential tariffs as a mechanism to avoid the obligations contained in this paragraph. This paragraph is not intended to mean that MGE will seek an increase to the monthly fixed charge for its standard residential tariffs.

## ATTACHMENT B

### Electric Cost of Service Study and Rate Design



**MADISON GAS & ELECTRIC COMPANY  
ESTIMATED ELECTRIC RETAIL REVENUE SUMMARY  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022  
3270-UR-124**

RATE CLASS		Service Sales KWH	PRESENT REVENUES	2022 COSS	2022 PROPOSED REVENUES	PROPOSED DOLLAR INCREASE	PROPOSED PERCENT INCREASE
<b>Rg-1</b>	Residential	834,596,779	\$142,583,011		\$149,496,507	\$6,913,496	4.8%
<b>Rg-2</b>	Residential Time-of-Use	11,975,921	\$1,708,398		\$1,792,907	\$84,509	4.9%
<b>Rg-2A</b>	Residential Time-of-Use	216,547	\$30,206		\$31,685	\$1,479	4.9%
<b>Rw-1</b>	Residential Controlled Water Heating (Closed)	61,611	\$6,366		\$6,680	\$314	4.9%
<b>Rg-7</b>	Residential Partial Requirements with PV	160,292	\$27,394		\$28,732	\$1,338	4.9%
<b>TOTAL RESIDENTIAL REVENUE</b>		847,011,151	\$144,355,376	\$151,964,860	\$151,356,511	\$7,001,136	4.8%
<b>Cg-5</b>	Small C&I Lighting and Power (<20 kW)	194,696,509	\$27,318,708		\$27,997,422	\$678,713	2.5%
<b>Cg-5d</b>	Discounted Small C&I Lighting and Power (<20 kW)	2,664,220	\$357,382		\$296,670	(\$60,712)	-17.0%
<b>Cg-3</b>	Small C&I Optional Time-of-Use (<20 kW)	9,470,848	\$1,198,895		\$1,224,864	\$25,970	2.2%
<b>Cg-7</b>	Small Commercial Partial Requirements with PV	83,156	\$11,456		\$11,708	\$252	2.2%
<b>TOTAL SMALL COMMERCIAL &amp; INDUSTRIAL REVENUE</b>		206,914,733	\$28,886,441	29,484,692	\$29,530,664	\$644,223	2.2%
<b>Cg-8</b>	Medium Commercial Partial Requirements with PV	847,025	\$140,384		\$149,998	\$9,615	6.8%
<b>Cg-4</b>	C&I Time-of-Use (20-200 kW)	641,629,812	\$80,840,853		\$86,467,557	\$5,626,704	7.0%
<b>Cg-2</b>	C&I Lighting and Power Time-of-Use (>200 kW)	785,018,628	\$86,168,854		\$92,072,531	\$5,903,677	6.9%
<b>Cg-6</b>	C&I Lighting and Power Large Annual High Load Factor (>1000 kW)	200,496,323	\$16,981,655		\$18,139,438	\$1,157,783	6.8%
<b>TOTAL MEDIUM &amp; LARGE COMMERCIAL &amp; INDUSTRIAL REVENUE</b>		1,627,991,787	\$184,131,746	198,223,109	\$196,829,525	\$12,697,779	6.9%
<b>Cp-1</b>	C&I High Load Factor Direct Control Interruptible - Transmission Volt.	99,044,029	\$4,936,982	4,881,299	\$4,936,977	(\$5)	0.0%
<b>Sp-3</b>	University of Wisconsin Time-of-Use	322,300,355	\$30,629,670	30,584,003	\$30,629,574	(\$96)	0.0%
<b>TOTAL CONTRACT SERVICES REVENUE</b>		421,344,384	\$35,566,652	35,465,302	\$35,566,551	(\$101)	0.0%
	Primary Voltage Discount (kW)		(\$48,778)		(\$48,778)	\$0	0.0%
	Primary Voltage Discount (kWh)		(\$181,613)		(\$326,904)	(\$145,291)	80.0%
	Transformer Equipment Discount (kW)		(\$16,548)		(\$16,548)	\$0	0.0%
<b>TOTAL DISCOUNTS [1]</b>			(\$246,939)		(\$392,230)	(\$145,291)	58.8%
<b>Cs-1</b>	Community Shared Solar Electricity Service and Transmission Revenue	7,009,747	\$717,368		\$717,368	\$0	0.0%
<b>RER-1</b>	Renewable Resource Revenue	78,017,397	\$4,789,944		\$4,789,944	\$0	0.0%
<b>RWE-1</b>	Green Power Tomorrow (Residential)	58,125,789	\$581,258		\$581,258	\$0	0.0%
<b>BWE-1</b>	Green Power Tomorrow (Commercial/Industrial, Interdepartmental)	17,446,653	\$174,467		\$174,467	\$0	0.0%
<b>TOTAL GPT, SS &amp; RER REVENUE [2]</b>		160,599,586	\$6,263,037		\$6,263,037		
<b>Is-3</b>	Interruptible Service Rider		(\$586,581)		(\$586,581)	\$0	0.0%
<b>Is-4</b>	Direct Control Interruptible Service Rider		(\$440,110)		(\$440,110)	\$0	0.0%
<b>SCS</b>	Summer Curtailable Service		\$0		\$0	\$0	0.0%
<b>TOTAL INTERRUPTIBLE CREDITS [1]</b>			(\$1,026,691)		(\$1,026,691)	\$0	0.0%
<b>Rfb-1</b>	Renewable Flat Rate Pilot	204,528	\$35,773		\$38,322	\$2,549	7.1%
<b>Gf-1</b>	General Flat Rate	1,539,083	\$199,055		\$212,815	\$13,760	6.9%
<b>Mg-2</b>	Secondary Service for Municipal Defense Sirens	0	\$1,079		\$1,153	\$74	6.9%
<b>MLS</b>	Athletic Field Lighting	463,070	\$65,490		\$70,643	\$5,154	7.9%
<b>OL-1</b>	Outdoor Overhead Lighting Service - Private Unmetered	1,796,890	\$585,078		\$625,443	\$40,365	6.9%
<b>EV-1</b>	Home Electric Vehicle Charging Stations		\$33,305		\$33,305	\$0	0.0%
<b>EV-2</b>	Electric Vehicle Public Charging Pilot Rider		\$27,555		\$27,555	\$0	0.0%
<b>TOTAL MISCELLANEOUS AND LIGHTING</b>		4,003,571	\$947,334		\$1,009,236	\$61,902	6.5%
<b>SL-1</b>	Streetlighting Service - Company-Owned and Company-Maintained	649,155	\$194,108		\$200,872	\$6,764	3.5%
<b>SL-2</b>	Streetlighting Service - Customer-Owned and Customer-Maintained	3,441,817	\$426,276		\$456,624	\$30,348	7.1%
<b>SL-3</b>	Streetlighting Service - Customer-Owned and Company-Maintained	4,615,495	\$802,452		\$863,800	\$61,348	7.6%
<b>TOTAL STREETLIGHTING SERVICE</b>		8,706,467	\$1,422,836		\$1,521,296	\$98,460	6.9%
<b>BGS</b>	Backup Generation Service		\$1,893,947		\$1,893,947	\$0	0.0%
<b>AGS</b>	Alternative Generation Schedule		\$0		\$0	\$0	0.0%
<b>TOTAL ELECTRIC RETAIL REVENUE</b>		3,115,972,092	\$397,204,331		\$417,707,730	\$20,503,399	5.2%
	Interdepartmental Lighting & Misc.	2,477,447	\$342,411	2,934,603	\$364,981	\$22,570	6.6%
<b>TOTAL ELECTRIC RETAIL REVENUE W/ INTERDEPART.</b>		3,118,449,539	<b>\$397,546,742</b>	<b>\$418,072,567</b>	<b>\$418,072,711</b>	<b>\$20,525,969</b>	<b>5.16%</b>

[1] Discounts and interruptible credits are listed here for reference. They are already subtracted from the appropriate Commercial and Industrial Class revenue totals.

[2] Residential and Business Wind Energy and Community Solar electric service rate revenues are included in their rate class totals and are represented here for reference.

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
RESIDENTIAL SERVICE Rg-1								
CUSTOMER CHARGE	Bills Days	1,689,918 365	\$0.62466 per bill per day \$19.00 per bill per month	\$32,108,569	\$0.55891 per bill per day \$17.00 per bill per month	\$28,728,719		
DISTRIBUTION SERVICE								
Distribution Charge	kWh	834,596,779	\$0.03378 per kWh	\$28,193,848	\$0.05017 per kWh	\$41,871,720		
DISTRIBUTION SERVICE TOTAL				\$28,193,848		\$41,871,720		
ELECTRICITY SERVICE								
Winter Electricity	kWh	511,071,302	\$0.09355 per kWh	\$47,810,720	\$0.09376 per kWh	\$47,918,045		
Summer Electricity	kWh	318,668,602	\$0.10472 per kWh	\$33,370,976	\$0.09376 per kWh	\$29,878,368		
Shared Solar Transmission Revenue		4,856,875	\$0.00800 per kWh	\$38,855	\$0.00800 per kWh	\$38,855		
Renewable Resource Revenue - Shared Solar	kWh		\$0.10100 per kWh	\$490,544	\$0.10100 per kWh	\$490,544		
25-Year Levelized Rate (Net of Transmission)	kWh		\$0.07600 per kWh	\$369,123	\$0.07600 per kWh	\$369,123		
25-Year Locked-in Standby Rate	kWh		\$0.02500 per kWh	\$121,422	\$0.02500 per kWh	\$121,422		
GPT	kWh	57,025,465	\$0.01000 per kWh	\$570,255	\$0.01000 per kWh	\$570,255		
Act 141 Fixed Charge	Fixed			\$11		\$0		
Act 141 Credit		0	(\$0.00242)	(\$768)		\$0		
ELECTRICITY SERVICE TOTAL		829,739,904		\$82,280,594		\$78,896,068		
TOTAL Rg-1		834,596,779		\$142,583,011		\$149,496,507	\$6,913,496	4.85%

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>RESIDENTIAL TIME OF USE Rg-2</b>								
CUSTOMER CHARGE	Bills	7,998	\$0.62466 per bill per day	\$151,963	\$0.55891 per bill per day	\$135,967		
	Days	365	\$19.00 per bill per month		\$17.00 per bill per month			
<b>DISTRIBUTION SERVICE</b>								
Distribution Charge	kWh	11,975,921	\$0.03378 per kWh	\$404,547	\$0.05017 per kWh	\$600,832		
<b>DISTRIBUTION SERVICE TOTAL</b>		<b>11,975,921</b>		<b>\$404,547</b>		<b>\$600,832</b>		
<b>ELECTRICITY SERVICE</b>								
On-Peak 1 Energy Adder								
Winter	kWh	522,947	\$0.14546 per kWh	\$76,068	\$0.12291 per kWh	\$64,275		
Summer	kWh	330,191	\$0.18522 per kWh	\$61,158	\$0.15651 per kWh	\$51,678		
On-Peak 1 Energy Adder Subtotal		853,138		\$137,226		\$115,953		
On-Peak 2 Energy Adder								
Winter	kWh	947,407	\$0.13800 per kWh	\$130,742	\$0.11661 per kWh	\$110,477		
Summer	kWh	644,548	\$0.22088 per kWh	\$142,368	\$0.18664 per kWh	\$120,298		
On-Peak 2 Energy Adder Subtotal		1,591,954		\$273,110		\$230,775		
On-Peak 3 Energy Adder								
Winter	kWh	752,306	\$0.17167 per kWh	\$129,148	\$0.14506 per kWh	\$109,129		
Summer	kWh	460,131	\$0.18320 per kWh	\$84,296	\$0.15480 per kWh	\$71,228		
On-Peak 3 Energy Adder Subtotal		1,212,436		\$213,444		\$180,357		
Base Energy								
Winter	kWh	7,164,270	\$0.04122 per kWh	\$295,311	\$0.04122 per kWh	\$295,311		
Summer	kWh	4,446,948	\$0.04122 per kWh	\$183,303	\$0.04122 per kWh	\$183,303		
Base Energy Subtotal		11,611,218		\$478,614		\$478,614		
Shared Solar Transmission Revenue		364,703	\$0.00800 per kWh	\$2,918	\$0.00800 per kWh	\$2,918		
Renewable Resource Revenue - Shared Sol kWh			\$0.10100 per kWh	\$36,835	\$0.10100 per kWh	\$36,835		
25-Year Levelized Rate (Net of Transmissior kWh			\$0.07600 per kWh		\$0.07600 per kWh	\$27,717		
25-Year Locked-in Standby Rate	kWh		\$0.02500 per kWh		\$0.02500 per kWh	\$9,118		
GPT	kWh	1,065,619	\$0.01000 per kWh	\$10,656	\$0.01000 per kWh	\$10,656		
Act 141 Fixed Charge	Fixed			\$16		\$0		
Act 141 Credit	kWh	0	(\$0.00242) per kWh	(\$931)	\$0.00000	\$0		
<b>ELECTRICITY SERVICE TOTAL</b>		<b>11,611,218</b>		<b>\$1,151,888</b>		<b>\$1,056,108</b>		
<b>TOTAL Rg-2</b>		<b>11,975,921</b>		<b>\$1,708,398</b>		<b>\$1,792,907</b>	<b>\$84,509</b>	<b>4.95%</b>

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>RESIDENTIAL TIME OF USE Rg-2A</b>								
CUSTOMER CHARGE	Bills	168	\$0.62466 per bill per day	\$3,192	\$0.55891 per bill per day	\$2,856		
	Days	365	\$19.00 per bill per month		\$17.00 per bill per month			
<b>DISTRIBUTION SERVICE</b>								
Distribution Charge	kWh	216,547	\$0.03378 per kWh	\$7,315	\$0.05017 per kWh	\$10,864		
<b>DISTRIBUTION SERVICE TOTAL</b>		<b>216,547</b>		<b>\$7,315</b>		<b>\$10,864</b>		
<b>ELECTRICITY SERVICE</b>								
On-Peak 1 Energy Adder								
Winter	kWh	8,419	\$0.11196 per kWh	\$943	\$0.09093 per kWh	\$766		
Summer	kWh	4,706	\$0.11328 per kWh	\$533	\$0.09116 per kWh	\$429		
On-Peak 1 Energy Adder Subtotal		13,125		\$1,476		\$1,195		
				\$0.11245				
On-Peak 2 Energy Adder								
Winter	kWh	15,879	\$0.11003 per kWh	\$1,747	\$0.08819 per kWh	\$1,400		
Summer	kWh	9,573	\$0.12292 per kWh	\$1,177	\$0.10042 per kWh	\$961		
On-Peak 2 Energy Adder Subtotal		25,452		\$2,924		\$2,361		
On-Peak 3 Energy Adder								
Winter	kWh	13,306	\$0.11377 per kWh	\$1,514	\$0.09233 per kWh	\$1,229		
Summer	kWh	7,605	\$0.11587 per kWh	\$881	\$0.09526 per kWh	\$724		
On-Peak 3 Energy Adder Subtotal		20,911		\$2,395		\$1,953		
Base Energy								
Winter	kWh	137,319	\$0.05959 per kWh	\$8,183	\$0.05752 per kWh	\$7,899		
Summer	kWh	79,228	\$0.05959 per kWh	\$4,721	\$0.05752 per kWh	\$4,557		
Base Energy Subtotal		216,547		\$12,904		\$12,456		
Shared Solar Transmission Revenue			\$0.00800 per kWh	\$0	\$0.00800 per kWh	\$0		
Renewable Resource Revenue - Shared SolakWh			\$0.10170 per kWh	\$0	\$0.10170 per kWh	\$0		
25-Year Levelized Rate (Net of Transmission) kWh			\$0.07600 per kWh	\$0	\$0.07600 per kWh	\$0		
25-Year Locked-in Standby Rate	kWh		\$0.02500 per kWh	\$0	\$0.02500 per kWh	\$0		
GPT	kWh		\$0.01000 per kWh	\$0	\$0.01000 per kWh	\$0		
Act 141 Fixed Charge	Fixed							
Act 141 Credit	kWh		(\$0.00242) per kWh					
<b>ELECTRICITY SERVICE TOTAL</b>		<b>216,547</b>		<b>\$19,699</b>		<b>\$17,965</b>		
<b>TOTAL Rg-2A</b>		<b>216,547</b>		<b>\$30,206</b>		<b>\$31,685</b>	<b>\$1,479</b>	<b>4.90%</b>

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
<u>RESIDENTIAL CONTROLLED WATER HEATING Rw-1</u>								
CUSTOMER CHARGE	Bills	282	\$0.28000 per bill per day	\$2,402	\$0.28000 per bill per day	\$2,402		
	Day	365	\$8.52 per bill per month		\$8.52 per bill per month			
DISTRIBUTION SERVICE								
Distribution Charge	kWh	61,611	\$0.02985 per kWh	\$1,839	\$0.05017 per kWh	\$3,091		
DISTRIBUTION SERVICE TOTAL		61,611		\$1,839		\$3,091		
ELECTRICITY SERVICE								
Winter Energy	kWh	43,054	\$0.03033 per kWh	\$1,306	\$0.01698 per kWh	\$731		
Summer Energy	kWh	18,557	\$0.03654 per kWh	\$678	\$0.01698 per kWh	\$315		
GPT		14,074	\$0.01000 per kWh	\$141	\$0.01000 per kWh	\$141		
ELECTRICITY SERVICE TOTAL		61,611		\$2,125		\$1,187		
TOTAL Rw-1		61,611		\$6,366		\$6,680	\$314	4.93%

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
<b>RESIDENTIAL PARTIAL REQUIREMENTS WITH PV</b>								
CUSTOMER CHARGE	Bills	338	\$0.35512 per day per bill	\$3,651	\$0.35512 per day per bill	\$3,651		
	Days	365	\$10.80 per bill per month		\$10.80 per bill per month			
DISTRIBUTION SERVICE								
Distribution Charge	kWh	160,292	\$0.03208 per kWh	\$5,142	\$0.05017 per kWh	\$8,042		
<b>DISTRIBUTION SERVICE TOTAL</b>		<b>160,292</b>		<b>\$5,142</b>		<b>\$8,042</b>		
<b>ELECTRICITY SERVICE</b>								
Winter	kWh	136,260	\$0.11258 per kWh	\$15,340	\$0.10501 per kWh	\$14,309		
Summer	kWh	24,032	\$0.12711 per kWh	\$3,055	\$0.10501 per kWh	\$2,524		
<b>Base Energy</b>		<b>160,292</b>		<b>\$18,395</b>		<b>\$16,833</b>		
GPT		20,630	\$0.01000 per kWh	\$206	\$0.01000 per kWh	\$206		
<b>ELECTRICITY SERVICE TOTAL</b>		<b>160,292</b>		<b>\$18,601</b>		<b>\$17,039</b>		
<b>TOTAL Rg-7</b>		<b>160,292</b>		<b>\$27,394</b>		<b>\$28,732</b>	<b>\$1,338</b>	<b>4.88%</b>

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>SMALL C// LIGHTING AND POWER Cg-5 (0-20 kW)</b>								
CUSTOMER CHARGE	Bills Day	183,332 365	\$0.78669 per day per bill \$23.93 per bill per month	\$4,386,857	\$0.78584 per day per bill \$23.90 per bill per month	\$4,382,093		
DISTRIBUTION SERVICE								
Distribution Charge	kWh	194,696,509	\$0.02295 per kWh	\$4,468,285	\$0.02947 per kWh	\$5,737,706		
<b>DISTRIBUTION SERVICE TOTAL</b>		<b>194,696,509</b>		<b>\$4,468,285</b>		<b>\$5,737,706</b>		
<b>ELECTRICITY SERVICE</b>								
Winter Electricity	kWh	126,899,296	\$0.09082 per kWh	\$11,524,994	\$0.09175 per kWh	\$11,643,010		
Summer Electricity	kWh	67,443,332	\$0.10224 per kWh	\$6,895,406	\$0.09175 per kWh	\$6,187,926		
Shared Solar Transmission Revenue		353,881	\$0.00800 per kWh	\$2,831	\$0.00800 per kWh	\$2,831		
Renewable Resource Revenue - Shared Solar	kWh		\$0.10170 per kWh	\$35,742	\$0.10170 per kWh	\$35,742		
25-Year Levelized Rate (Net of Transmission)	kWh		\$0.07600 per kWh	\$26,895	\$0.07600 per kWh	\$26,895		
25-Year Locked-in Standby Rate	kWh		\$0.02500 per kWh	\$8,847	\$0.02500 per kWh	\$8,847		
GPT	kWh	2,185,802	\$0.01000 per kWh	\$21,858	\$0.01000 per kWh	\$21,858		
Act 141 Fixed Charge	Fixed			\$ 296		\$ 289		
Act 141 Credit	kWh	5,896,496	(\$0.00229) per kWh	(\$17,961)	(\$0.00238)	(\$14,034)		
<b>ELECTRICITY SERVICE TOTAL</b>		<b>194,342,628</b>		<b>\$19,463,566</b>		<b>\$17,877,623</b>		
<b>TOTAL Cg-5</b>				<b>\$27,318,708</b>		<b>\$27,997,422</b>	<b>\$678,713</b>	<b>2.48%</b>

DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
<u>Discounted SMALL C/L LIGHTING AND POWER Cg-5d (0-20 kW)</u>								
CUSTOMER CHARGE								
Customers from Cg-5	Bills	876	\$0.78669 per day per bill	\$20,961	\$0.78584 per day per bill	\$20,939		
Customers from Cg-3	Day	365	\$23.93 per bill per month		\$23.90 per bill per month			
	Single Phase	Bills	\$0.73249 per day per bill	\$25,934	\$0.78584	\$27,823		
	Day	365	\$22.28 per bill per month					
	Three Phase	Bills	\$1.00249 per day per bill	\$4,421	\$0.78584	\$3,466		
	Day	365	\$30.49 per bill per month					
DISTRIBUTION SERVICE								
	Sales from Cg-5	kWh	\$0.02295 per kWh	\$36,898	\$0.00000 per kWh	\$0		
	Sales from Cg-3	kWh	\$0.02295 per kWh	\$24,243	\$0.00000 per kWh	\$0		
DISTRIBUTION SERVICE TOTAL		2,664,220		\$61,141		\$0		
		1,768,075						
		896,145						
ELECTRICITY SERVICE								
From Cg-5:	Winter Electricity From Cg-5	kWh	\$0.09082 per kWh	\$95,327	\$0.09175 per kWh	\$96,303		
	Summer Electricity from Cg-5	kWh	\$0.10224 per kWh	\$57,065	\$0.09175 per kWh	\$51,210		
		1,607,775						
From Cg-3:								
On-Peak 1 Energy Adder	Winter	kWh	\$0.13067 per kWh	\$6,381	\$0.00000 per kWh	\$0		
	Summer	kWh	\$0.16932 per kWh	\$4,193	\$0.00000 per kWh	\$0		
Subtotal On-Peak 1		73,597						
On-Peak 2 Energy Adder	Winter	kWh	\$0.12032 per kWh	\$10,552	\$0.00000 per kWh	\$0		
	Summer	kWh	\$0.17719 per kWh	\$7,506	\$0.00000 per kWh	\$0		
Subtotal On-Peak 2		130,058						
On-Peak 3 Energy Adder	Winter	kWh	\$0.15257 per kWh	\$11,240	\$0.00000 per kWh	\$0		
	Summer	kWh	\$0.15239 per kWh	\$4,350	\$0.00000 per kWh	\$0		
Subtotal On-Peak 3		102,213						
Base Energy	Winter	kWh	\$0.04573 per kWh	\$32,849	\$0.09175 per kWh	\$65,907		
	Summer	kWh	\$0.04573 per kWh	\$15,462	\$0.09175 per kWh	\$31,022		
Subtotal Base Energy		1,056,445						
Shared Solar Transmission Revenue		0	\$0.00800 per kWh	\$0	\$0.00800 per kWh	\$0		
Renewable Resource Revenue - Shared Solar	kWh		\$0.10170 per kWh	\$0	\$0.10170 per kWh	\$0		
25-Year Levelized Rate (Net of Transmission)	kWh		\$0.07600 per kWh	\$0	\$0.07600 per kWh	\$0		
25-Year Locked-in Standby Rate	kWh		\$0.02500 per kWh	\$0	\$0.02500 per kWh	\$0		
GPT	kWh	0	\$0.01000 per kWh	\$0	\$0.01000 per kWh	\$0		
Act 141 Fixed Charge	Fixed							
Act 141 Credit	kWh		(\$0.00229) per kWh		(\$0.00238)	\$0		
ELECTRICITY SERVICE TOTAL		2,664,220		\$244,925		\$244,442		
TOTAL Cg-5d				\$357,382		\$296,670	(\$60,712)	-16.99%



MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT PERCENT
<u>SMALL C/I OPTIONAL TIME OF USE Cg-3 (&lt;20 kW)</u>							
CUSTOMER CHARGE (1 PHASE)	Bills	5,877	\$0.73249 per day per bill	\$130,939	\$0.78584 per day per bill	\$140,475	
	Days	365	\$22.28 per bill per month		\$23.90 per bill per month		
CUSTOMER CHARGE (3 PHASE)	Bills	724	\$1.00249 per day per bill	\$22,077	\$0.78584 per day per bill	\$17,305	
	Days	365	\$30.49 per bill per month		\$23.90 per bill per month		
TOTAL CUSTOMER		6,601		\$153,016		\$157,780	
		2,409,365					
DISTRIBUTION SERVICE							
Distribution Charge	kWh	9,470,848	\$0.02295 per kWh	\$217,337	\$0.02947 per kWh	\$279,106	
DISTRIBUTION SERVICE TOTAL		9,470,848		\$217,337		\$279,106	
ELECTRICITY SERVICE							
On-Peak 1 Energy Adder							
	Winter	kWh	434,654	\$0.13067 per kWh	\$56,796	\$0.11656 per kWh	\$50,663
	Summer	kWh	221,068	\$0.16932 per kWh	\$37,431	\$0.15103 per kWh	\$33,388
On-Peak Energy 1 Adder Subtotal		655,722		\$94,227		\$84,051	
On-Peak 2 Energy Adder							
	Winter	kWh	781,957	\$0.12032 per kWh	\$94,085	\$0.10733 per kWh	\$83,927
	Summer	kWh	378,292	\$0.17719 per kWh	\$67,030	\$0.15805 per kWh	\$59,789
On-Peak 2 Energy Adder Subtotal		1,160,249		\$161,115		\$143,716	
On-Peak 3 Energy Adder							
	Winter	kWh	660,126	\$0.15257 per kWh	\$100,715	\$0.13609 per kWh	\$89,837
	Summer	kWh	255,721	\$0.15239 per kWh	\$38,969	\$0.13593 per kWh	\$34,760
On-Peak 3 Energy Adder Subtotal		915,847		\$139,684		\$124,597	
Base Energy							
	Winter	kWh	6,425,211	\$0.04573 per kWh	\$293,825	\$0.04573 per kWh	\$293,825
	Summer	kWh	3,026,327	\$0.04573 per kWh	\$138,394	\$0.04573 per kWh	\$138,394
Base Energy Subtotal		9,451,538		\$432,219		\$432,219	
Shared Solar Transmission Revenue		19,310	0.00800 per kWh	\$154	0.00800 per kWh	\$154	
Renewable Resource Revenue - Shared Solar			0.10170 per kWh	\$ 1,950	0.10170 per kWh	\$ 1,950	
25-Year Levelized Rate (Net of Transmission)			0.07600 per kWh	\$ 1,468	0.07600 per kWh	\$ 1,468	
25-Year Locked-in Standby Rate			0.02500 per kWh	\$ 483	0.02500 per kWh	\$ 483	
	GPT	kWh	129,080	\$0.01000 per kWh	\$1,291	\$0.01000 per kWh	\$1,291
Act 141 Fixed Charge		Fixed		\$ 38			
Act 141 Credit		kWh	0	(\$0.00229) per kWh	(\$2,136)	(\$0.00238) per kWh	
ELECTRICITY SERVICE TOTAL		9,451,538		\$828,542		\$787,978	
TOTAL Cg-3		9,470,848		\$1,198,895		\$1,224,864	\$25,970 2.17%

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>SMALL COMMERCIAL PARTIAL REQUIREMENTS WITH PV</u>								
CUSTOMER CHARGE	Bills	48	\$0.34308 per day per bill	\$501	\$0.34308 per day per bill	\$501		
	Days	365	\$10.44 per bill per month		\$10.44 per bill per month			
DISTRIBUTION SERVICE								
Distribution Charge	kWh	83,156	\$0.01780 per kWh	\$1,480	\$0.02083 per kWh	\$1,732		
DISTRIBUTION SERVICE TOTAL		83,156		\$1,480		\$1,732		
<u>ELECTRICITY SERVICE</u>								
Winter	kWh	56,888	\$0.10856 per kWh	\$6,176	\$0.11220 per kWh	\$6,383		
Summer	kWh	26,268	\$0.12007 per kWh	\$3,154	\$0.11220 per kWh	\$2,947		
Base Energy		83,156		\$9,330		\$9,330		
GPT		14,506	\$0.01000 per kWh	\$145	\$0.01000 per kWh	\$145		
ELECTRICITY SERVICE TOTAL		83,156		\$9,475		\$9,475		
TOTAL Cg-7		83,156		\$11,456		\$11,708	\$252	2.20%

**MADISON GAS AND ELECTRIC COMPANY**  
**DOCKET 3270-UR-124**  
**SUMMARY OF ESTIMATED**  
**ELECTRIC BILLING STATISTICS AND REVENUES**  
**FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
<b>MEDIUM COMMERCIAL PARTIAL REQUIREMENTS WITH PV</b>								
CUSTOMER CHARGE								
Single Phase	Bills	12	\$1.63742 per day per bill	\$598	\$1.74658 per day per bill	\$638		
	Day	365	\$49.80 per bill per month		\$53.13 per bill per month			
Three Phase	Bills	84	\$1.76215 per day per bill	\$4,502	\$1.74658 per day per bill	\$4,463		
	Day	365	\$53.60 per bill per month		\$53.13 per bill per month			
<b>TOTAL CUSTOMER</b>		<b>96</b>		<b>\$5,100</b>		<b>\$5,101</b>		
<b>DISTRIBUTION SERVICE</b>								
Transitional Customer Maximum Demand	kW	5,947	\$0.08533 per kW per day \$2.60 per kW	\$15,434	\$0.08533 per kW per day \$2.60 per kW	\$15,434		
Distribution Charge	kWh	847,025	\$0.01135 per kWh	\$9,614	\$0.02270 per kWh	\$19,227		
<b>DISTRIBUTION SERVICE TOTAL</b>		<b>847,025</b>		<b>\$25,048</b>		<b>\$34,661</b>		
<b>ELECTRICITY SERVICE</b>								
Maximum Monthly On-Peak Demand:								
Winter	kW	2,940	\$0.34794 per kW per day \$10.58 per kW	\$31,120	\$0.34794 per kW per day \$10.58 per kW	\$31,120		
Summer	kW	1,714	\$0.42677 per kW per day \$12.98 per kW	\$22,256	\$0.42677 per kW per day \$12.98 per kW	\$22,256		
Maximum Monthly On-Peak Demand: Subtotal		4,655		\$53,376		\$53,376		
On-Peak 1 Energy Adder								
Winter	kWh	53,331	\$0.05092 per kWh	\$2,716	\$0.05092 per kWh	\$2,716		
Summer	kWh	30,314	\$0.05758 per kWh	\$1,745	\$0.05758 per kWh	\$1,745		
On-Peak 1 Energy Adder Subtotal		83,645		\$4,461		\$4,461		
On-Peak 2 Energy Adder								
Winter	kWh	94,575	\$0.05044 per kWh	\$4,770	\$0.05044 per kWh	\$4,770		
Summer	kWh	53,349	\$0.06270 per kWh	\$3,345	\$0.06270 per kWh	\$3,345		
On-Peak 2 Energy Adder Subtotal		147,925		\$8,115		\$8,115		
On-Peak 3 Energy Adder								
Winter	kWh	55,481	\$0.05118 per kWh	\$2,839	\$0.05118 per kWh	\$2,839		
Summer	kWh	33,832	\$0.05758 per kWh	\$1,948	\$0.05758 per kWh	\$1,948		
On-Peak 3 Energy Adder Subtotal		89,313		\$4,787		\$4,787		
Base Energy								
Winter	kWh	538,534	\$0.04646 per kWh	\$25,020	\$0.04646 per kWh	\$25,020		
Summer	kWh	308,490	\$0.04646 per kWh	\$14,332	\$0.04646 per kWh	\$14,332		
Base Energy Subtotal		847,025		\$39,352		\$39,352		
GPT		14,472	\$0.01000 per kWh	\$145	\$0.01000 per kWh	\$145		
Pg-1 Revenues		0	\$0.03150 per kWh	\$0	\$0.03150 per kWh	\$0		
<b>ELECTRICITY SERVICE TOTAL</b>		<b>847,025</b>		<b>\$110,236</b>		<b>\$110,236</b>		
<b>TOTAL MEDIUM COMMERCIAL PARTIAL REQUIREMENTS WITH PV</b>		<b>847,025</b>		<b>\$140,384</b>		<b>\$149,998</b>	<b>\$9,615</b>	<b>6.85%</b>

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>C/LIGHTING AND POWER TIME-OF-USE SERVICE Cg-4</u>								
CUSTOMER CHARGE								
Single Phase	Bills	3,223	\$6.19251 per day per bill	\$607,070	\$6.31090 per day per bill	\$618,676		
	Day	365	\$188.36 per bill per month		\$191.96 per bill per month			
Three Phase	Bills	40,043	\$6.32048 per day per bill	\$7,698,184	\$6.31090 per day per bill	\$7,686,516		
	Day	365	\$192.25 per bill per month		\$191.96 per bill per month			
<b>TOTAL CUSTOMER</b>		<b>43,266</b>	<b>\$6.31095</b>	<b>\$8,305,254</b>	<b>\$6.31090</b>	<b>\$8,305,192</b>		
<b>DISTRIBUTION SERVICE</b>								
Customer Maximum Demand	kW	2,624,633	\$0.08480 per kW per day \$2.58 per kW	\$6,769,804	\$0.08480 per kW per day \$2.58 per kW	\$6,769,804		
Distribution Charge	kWh	641,629,812	\$0.01001 per kWh	\$6,422,714	\$0.01590 per kWh	\$10,201,914		
Primary Voltage Discount	kW	-	(\$0.00328) per kW per day \$0.00000 per kW	\$0	(\$0.00328) per kW per day (\$0.10000) per kW	\$0		
Primary Voltage Discount	kWh	-	(\$0.00100) per kWh	\$0	(\$0.00180) per kWh	\$0		
Transformer Equipment Discount	kW	-	(\$0.00328) per kW per day \$0.00000 per kW	\$0	(\$0.00328) per kW per day (\$0.10000) per kW	\$0		
<b>DISTRIBUTION SERVICE TOTAL</b>				<b>\$13,192,518</b>		<b>\$16,971,718</b>		
				<b>\$21,497,772</b>		<b>\$25,276,910</b>		
<b>ELECTRICITY SERVICE</b>								
Maximum Monthly On-Peak Demand:								
Winter	kW	1,181,535	\$0.34931 per kW per day \$10.62 per kW	\$12,553,630	\$0.34931 per kW per day \$10.62 per kW	\$12,553,630		
Summer	kW	706,901	\$0.42653 per kW per day \$12.97 per kW	\$9,171,068	\$0.42653 per kW per day \$12.97 per kW	\$9,171,068		
Maximum Monthly On-Peak Demand: Subtotal		1,888,436	\$0.37822	\$21,724,698	\$0.37822	\$21,724,698		
On-Peak 1 Energy Adder								
Winter	kWh	44,521,759	\$0.04245 per kWh	\$1,889,949	\$0.01826 per kWh	\$812,967		
Summer	kWh	25,922,884	\$0.05545 per kWh	\$1,437,424	\$0.01849 per kWh	\$479,314		
On-Peak 1 Energy Adder Subtotal		70,444,643		\$3,327,373		\$1,292,281		
On-Peak 2 Energy Adder								
Winter	kWh	71,335,038	\$0.04175 per kWh	\$2,978,238	\$0.01552 per kWh	\$1,107,120		
Summer	kWh	43,024,369	\$0.06177 per kWh	\$2,657,615	\$0.02775 per kWh	\$1,193,926		
On-Peak 2 Energy Adder Subtotal		114,359,407		\$5,635,853		\$2,301,046		
On-Peak 3 Energy Adder								
Winter	kWh	37,867,227	\$0.04631 per kWh	\$1,753,631	\$0.01966 per kWh	\$744,470		
Summer	kWh	21,441,044	\$0.05402 per kWh	\$1,158,245	\$0.02259 per kWh	\$484,353		
On-Peak 3 Energy Adder Subtotal		59,308,270		\$2,911,876		\$1,228,823		
Maximum Monthly On-Peak Demand Discount for LLF Customers								
Winter	kW	28,118	(\$0.17466) per kW	(\$149,379)	(\$0.17466) per kW	(\$149,379)		
Summer	kW	16,872	(\$0.21327) per kW	(\$109,450)	(\$0.21327) per kW	(\$109,450)		
Base Energy								
Winter	kWh	399,132,357	\$0.04148 per kWh	\$16,556,010	\$0.05570 per kWh	\$22,231,672		
Summer	kWh	225,907,521	\$0.04148 per kWh	\$9,370,644	\$0.05570 per kWh	\$12,583,049		
Base Energy Subtotal		625,039,878		\$25,926,654		\$34,814,721		
Interruptible Credit								
IS-4 Demand	kW	5,133	(\$0.13151) per kW per day (\$4.00) per kW	(\$20,534)	(\$0.13151) per kW per day (\$4.00) per kW	(\$20,534)		
SCS Demand	kW	0	\$0.00000 per kW per day \$0.00 per kW	\$0	\$0.00000 per kW per day \$0.00 per kW	\$0		
Interruptible Credit Subtotal		5,133		(\$20,534)		(\$20,534)		
Shared Solar Transmission Revenue		1,414,977	\$0.00000 per kWh	\$0	\$0.00000 per kWh	\$0		
Renewable Resource Revenue - Shared Solar	kWh		\$0.07600 per kWh	\$107,538	\$0.07600 per kWh	\$107,538		
25-Year Levelized Rate (Net of Transmission)	kWh		\$0.07600 per kWh	\$107,538	\$0.07600 per kWh	\$107,538		
25-Year Locked-in Standby Rate	kWh		\$0.00000 per kWh	\$0	\$0.00000 per kWh	\$0		
RER Renewable Resource Revenue - Assigned kWh	kWh	15,174,957	Variable per project	\$0	Variable per project	\$0		
IR Renewable Resource Revenue - Unassigned kWh	kWh	785,093	Variable per project	\$1,003,335	Variable per project	\$1,003,335		
GPT	kWh	9,419,752	\$0.01000 per kWh	\$94,198	\$0.01000 per kWh	\$94,198		
Act 141 Fixed Charge	Fixed			\$1,145		\$1,132		
Act 141 Credit	kWh	39,675,218	(\$0.00222)	(\$106,891)	(\$0.00238)	(\$94,427)		
<b>ELECTRICITY SERVICE TOTAL</b>		<b>625,039,878</b>		<b>\$60,346,416</b>		<b>\$62,193,983</b>		
				<b>\$106,891</b>				
TOTAL C/LIGHTING AND POWER TIME-OF-USE SERVICE Cg-4		625,039,878		\$81,844,189	\$149,998	\$87,470,893	\$5,626,704	6.87%
Shared Solar		1,414,977		\$107,538				
Assigned RER		15,174,957		\$0				
		641,629,812						
Rev without RER				\$80,840,853		\$86,467,557	\$5,626,704	

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>C/LIGHTING AND POWER SERVICE TIME-OF-USE CG-2 (OVER 200 kW)</u>								
CUSTOMER CHARGE	Bills Days	4,850 365	\$14.50000 per day per bill \$441.04 per bill per month	\$2,139,052	\$14.50000 per day per bill \$441.04 per bill per month	\$2,139,052		
DISTRIBUTION SERVICE								
Customer Maximum Demand	kW	2,587,664	\$0.10600 per kW per day \$3.22 per kW	\$8,343,061	\$0.10600 per kW per day \$3.22 per kW	\$8,343,061		
Distribution Charge	kWh	814,373,033	\$0.01022 per kWh	\$8,322,892	\$0.01470 per kWh	\$11,971,284		
Primary Voltage Discount	kW	310,395	(\$0.00328) per kW per day \$0.00000 per kW	(\$30,967)	(\$0.00328) per kW per day (\$0.10000) per kW	(\$30,967)		
Primary Voltage Discount	kWh	98,428,055	(\$0.00100) per kWh	(\$98,428)	(\$0.00180) per kWh	(\$177,170)		
Transformer Equipment Discount	kW	78,687	(\$0.00328) per kW per day \$0.00000 per kW	(\$7,850)	(\$0.00328) per kW per day (\$0.10000) per kW	(\$7,850)		
DISTRIBUTION SERVICE TOTAL				\$16,528,708		\$20,098,358		
				\$16,667,760		\$22,237,410		
ELECTRICITY SERVICE								
Maximum Monthly On-Peak Demand:	Winter kW	1,166,318	\$0.37362 per kW per day \$11.36 per kW	\$13,254,360	\$0.39230 per kW per day \$11.93 per kW	\$13,917,043		
	Summer kW	732,780	\$0.45203 per kW per day \$13.75 per kW	\$10,075,170	\$0.47463 per kW per day \$14.44 per kW	\$10,578,895		
Maximum Monthly On-Peak Demand: Subtotal		1,899,098	\$0.40388	\$23,329,530	\$0.42407	\$24,495,938		
On-Peak 1 Energy Adder	Winter kWh	48,027,691	\$0.01747 per kWh	\$839,044	\$0.02154 per kWh	\$1,034,516		
	Summer kWh	29,329,417	\$0.02802 per kWh	\$821,810	\$0.02177 per kWh	\$638,501		
On-Peak Energy Subtotal		77,357,108		\$1,660,854		\$1,673,017		
On-Peak 2 Energy Adder	Winter kWh	81,077,678	\$0.01596 per kWh	\$1,294,000	\$0.01880 per kWh	\$1,524,260		
	Summer kWh	50,593,929	\$0.04595 per kWh	\$2,324,791	\$0.03103 per kWh	\$1,569,930		
On-Peak 2 Energy Adder Subtotal		131,671,607		\$3,618,791		\$3,094,190		
On-Peak 3 Energy Adder	Winter kWh	45,536,477	\$0.02270 per kWh	\$1,033,678	\$0.02294 per kWh	\$1,044,607		
	Summer kWh	27,865,577	\$0.02668 per kWh	\$743,454	\$0.02587 per kWh	\$720,882		
On-Peak 3 Energy Adder Subtotal		73,402,054		\$1,777,132		\$1,765,489		
Maximum Monthly On-Peak Demand Discount for LLF Customers	Winter kW	20,657	(\$0.18681)	(\$117,377)	(\$0.19615)	(\$123,246)		
	Summer kW	20,174	(\$0.22602)	(\$138,690)	(\$0.23732)	(\$145,624)		
Base Energy	Winter kWh	485,957,491	\$0.04930 per kWh	\$23,957,704	\$0.05159 per kWh	\$25,070,547		
	Summer kWh	299,061,137	\$0.04930 per kWh	\$14,743,714	\$0.05159 per kWh	\$15,428,564		
Base Energy Subtotal		785,018,628		\$38,701,418		\$40,499,111		
Interruptible Credit	IS-3 Demand kW	85,212	\$7.101,03333 (\$0.12329) per kW per day (\$3.75) per kW	(\$319,553)	(\$0.12329) per kW per day (\$3.75) per kW	(\$319,553)		
	IS-4 Demand kW	66,927	(\$0.13151) per kW per day (\$4.00) per kW	(\$267,716)	(\$0.13151) per kW per day (\$4.00) per kW	(\$267,716)		
	SCS Demand kW	0	\$0.00000 per kW per day \$0.00 per kW	\$0	\$0.00000 per kW per day \$0.00 per kW	\$0		
Interruptible Credit Subtotal		152,140	\$12,678.33	(\$587,269)		(\$587,269)		
RER Renewable Resource Revenue - Assigned kWh	kWh	29,354,405	Variable by project	\$0	Variable by project	\$0		
RER Renewable Resource Revenue - Unassigned kWh	kWh	1,221,110	Variable by project	\$1,914,987	Variable by project	\$1,914,987		
GPT	kWh	4,044,873	\$0.01000 per kWh	\$40,449	\$0.01000 per kWh	\$40,449		
Act 141 Fixed Charge	Fixed			\$ 9,310		\$ 9,297		
Act 141 Credit	kWh	372,366,029	(\$0.00229) per kWh	(\$793,055)	(\$0.00238)	(\$886,231)		
ELECTRICITY SERVICE TOTAL				\$69,416,080		\$71,750,108		
TOTAL C/LIGHTING AND POWER SERVICE TIME-OF-USE CG-2 (OVER 200 kW)				\$88,083,840		\$93,987,517	\$5,903,677	6.70%
Rev without RER				\$6,168,854		\$2,072,531	\$5,903,677	

MADISON GAS AND ELECTRIC COMPANY  
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SUMMARY OF ESTIMATED  
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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	AMOUNT	PROPOS INCREASE PERCENT
<u>C/I LIGHTING AND POWER SERVICE TIME-OF-USE HLF CG-6 (OVER 1,000 kW)</u>								
CUSTOMER CHARGE	Bills Days	212 365	\$25.35000 per day per bill \$771.06 per bill per month	\$163,465	\$25.35000 per day per bill \$771.06 per bill per month	\$163,465		
DISTRIBUTION SERVICE								
Customer Maximum Demand	kW	417,636	\$0.10600 per kW per day \$3.22 per kW	\$1,346,529	\$0.10600 per kW per day \$3.22 per kW	\$1,346,529		
Distribution Charge	kWh	200,496,323	\$0.00549 per kWh	\$1,100,725	\$0.00864 per kWh	\$1,732,288		
Primary Voltage Discount	kW	178,530	(\$0.00328) per kW per day \$0.00000 per kW	(\$17,811)	(\$0.00328) per kW per day \$0.00000 per kW	(\$17,811)		
Primary Voltage Discount	kWh	83,185,345	(\$0.00100) per kWh	(\$83,185)	(\$0.00180) per kWh	(\$149,734)		
Transformer Equipment Discount	kW	87,175	(\$0.00328) per kW per day \$0.00000 per kW	(\$8,697)	(\$0.00328) per kW per day \$0.00000 per kW	(\$8,697)		
DISTRIBUTION SERVICE TOTAL				\$2,337,561 \$2,501,026		\$2,902,575 \$3,066,040		
ELECTRICITY SERVICE								
Maximum Monthly On-Peak Demand:								
Winter	kW	229,449	\$0.37362 per kW per day \$11.36 per kW	\$2,607,520	\$0.39604 per kW per day \$12.05 per kW	\$2,763,991		
Summer	kW	128,408	\$0.45203 per kW per day \$13.75 per kW	\$1,765,511	\$0.48367 per kW per day \$14.71 per kW	\$1,889,088		
Maximum Monthly On-Peak Demand: Subtotal		357,857	\$0.40176	\$4,373,031		\$4,653,079		
On-Peak 1 Energy Adder								
Winter	kWh	10,924,120	\$0.01927 per kWh	\$210,508	\$0.01999 per kWh	\$218,373		
Summer	kWh	6,116,239	\$0.03319 per kWh	\$202,998	\$0.02022 per kWh	\$123,670		
On-Peak 1 Energy Adder Subtotal		17,040,359		\$413,506		\$342,043		
On-Peak 2 Energy Adder								
Winter	kWh	18,354,624	\$0.01796 per kWh	\$329,649	\$0.01725 per kWh	\$316,617		
Summer	kWh	10,189,540	\$0.03776 per kWh	\$384,757	\$0.02948 per kWh	\$300,388		
On-Peak 2 Energy Adder Subtotal		28,544,165		\$714,406		\$617,005		
On-Peak 3 Energy Adder								
Winter	kWh	11,458,490	\$0.02588 per kWh	\$296,546	\$0.02139 per kWh	\$245,097		
Summer	kWh	6,308,243	\$0.02707 per kWh	\$170,764	\$0.02432 per kWh	\$153,416		
On-Peak 3 Energy Adder Subtotal		17,766,733		\$467,310		\$398,513		
Base Energy								
Winter	kWh	122,133,993	\$0.04935 per kWh	\$6,027,313	\$0.05213 per kWh	\$6,366,845		
Summer	kWh	67,346,363	\$0.04935 per kWh	\$3,323,543	\$0.05213 per kWh	\$3,510,766		
Base Energy Subtotal		189,480,356		\$9,350,856		\$9,877,611		
Interruptible Credit								
IS-3 Demand	kW	71,206	(\$0.12329) per kW per day (\$3.75) per kW	(\$267,028)	(\$0.12329) per kW per day (\$3.75) per kW	(\$267,028)		
IS-4 Demand	kW	25,964	(\$0.13151) per kW per day (\$4.00) per kW	(\$103,859)	(\$0.13151) per kW per day (\$4.00) per kW	(\$103,859)		
SCS Demand	kW	0	\$0.00000 per kW per day \$0.00 per kW	\$0	\$0.00000 per kW per day \$0.00 per kW	\$0		
Interruptible Credit Subtotal		97,170		(\$370,887)		(\$370,887)		
GPT	kWh	365,095	\$0.01000 per kWh	\$3,651	\$0.01000 per kWh	\$3,651		
Renewable Resource Revenue - Assigned kWh	kWh	11,015,967	Variable per project	\$0	Variable per project	\$0		
Renewable Resource Revenue - Unassigned kWh	kWh	711,207	Variable per project	\$725,817	Variable per project	\$725,817		
Act 141 Fixed Charge	Fixed			\$ 3,022		\$ 3,346		
Act 141 Credit	kWh	189,480,356	(\$0.00229) per kWh	\$ (474,266)	(\$0.00238)	(\$450,963)		
ELECTRICITY SERVICE TOTAL		189,480,356		\$15,206,445		\$15,799,215	\$592,769	
SERVICE TIME-OF-USE HLF CG-6 (OVER 1,000 kW)		200,496,323		\$17,707,471 \$17,707,471		\$18,865,255	\$1,157,783	6.54%
Rev without RER				\$16,981,655		\$18,139,438	\$1,157,783	

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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>C/I HIGH LOAD FACTOR DIRECT CONTROL INTERRUPTIBLE SERVICE - TRANSMISSION VOLTAGE Cp-1</u>								
CUSTOMER CHARGE	Bills	12	\$31.82000 per day per bill	\$11,614	\$31.82000 per day per bill	\$11,614		
	Days	365	\$967.86 per bill per month		\$967.86 per bill per month			
ELECTRICITY SERVICE								
Monthly Maximum Demand	Winter kW	91,774	\$0.13300 per kW per day \$4.05 per kW	\$371,264	\$0.13300 per kW per day \$4.05 per kW	\$371,264		
	Summer kW	46,677	\$0.15600 per kW per day \$4.75 per kW	\$221,482	\$0.15600 per kW per day \$4.75 per kW	\$221,482		
Monthly Maximum Demand Subtotal		138,451	\$4.28127	\$592,746		\$592,746		
On-Peak 1 Energy Adder	Winter kWh	5,644,512	\$0.01317 per kWh	\$74,338	\$0.01317 per kWh	\$74,338		
	Summer kWh	2,936,691	\$0.02240 per kWh	\$65,782	\$0.02240 per kWh	\$65,782		
On-Peak1 Energy Adder Subtotal		8,581,203		\$140,120		\$140,120		
On-Peak 2 Energy Adder	Winter kWh	9,418,665	\$0.01274 per kWh	\$119,994	\$0.01274 per kWh	\$119,994		
	Summer kWh	4,889,243	\$0.02496 per kWh	\$122,035	\$0.02496 per kWh	\$122,035		
On-Peak 2 Energy Adder Subtotal		14,307,908		\$242,029		\$242,029		
On-Peak 3 Energy Adder	Winter kWh	5,670,835	\$0.01755 per kWh	\$99,523	\$0.01755 per kWh	\$99,523		
	Summer kWh	2,929,839	\$0.01824 per kWh	\$53,440	\$0.01824 per kWh	\$53,440		
On-Peak 3 Energy Adder Subtotal		8,600,675		\$152,963		\$152,963		
Base Energy	Winter kWh	65,497,101	\$0.03833 per kWh	\$2,510,504	\$0.03833 per kWh	\$2,510,504		
	Summer kWh	33,546,928	\$0.03833 per kWh	\$1,285,854	\$0.03833 per kWh	\$1,285,854		
Base Energy Subtotal		99,044,029		\$3,796,358		\$3,796,358		
Buy-Through Revenue				\$0		\$0		
Act 141 Fixed Charge				1,152		\$1,147		
ELECTRICITY SERVICE TOTAL		99,044,029		\$4,925,368		\$4,925,363		
TOTAL C/I HIGH LOAD FACTOR DIRECT CONTROL INTERRUPTIBLE SERVICE - TRANSMISSION VOLTAGE Cp-1								
		99,044,029		\$4,936,982		\$4,936,977	(\$5)	0.00%

MADISON GAS AND ELECTRIC COMPANY  
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UNIVERSITY OF WISCONSIN TIME-OF-USE SP-3

Rate Component (1)	Present			Proposed		
	Rate (2)	Units (3)	Revenue (4)	Rate (5)	Revenue (7)	Difference (8)
Customer Charge	\$ 34.931	365	\$ 12,749,815	\$ 34.246	\$ 12,499,790	\$ (250,025)
Grid Connection Service	\$ -	365	\$ -	\$ -	\$ -	\$ -
Distribution Service Demand	\$ 0.12968	680,283	\$ 2,683,329	\$ 0.14176	\$ 2,933,287	\$ 249,958
Winter On-Peak Demand	\$ 0.46681	369,155	\$ 5,241,557	\$ 0.46681	\$ 5,241,557	\$ -
Summer On-Peak Demand	\$ 0.46681	197,028	\$ 2,797,567	\$ 0.46681	\$ 2,797,567	\$ -
Generation Credit	\$ (0.46681)	108,000	\$ (1,533,471)	\$ (0.46681)	\$ (1,533,471)	\$ -
Interruptible Credit	\$ (0.13151)	12,000	\$ (48,001)	\$ (0.13151)	\$ (48,001)	\$ -
Subtotal Demand and Customer			\$ 21,890,797		\$ 21,890,730	\$ (67)
UW Energy						
Winter On-Peak Energy	\$ 0.03672	62,558,766	\$ 2,297,158	\$ 0.03672	\$ 2,297,158	\$ -
Summer On-Peak Energy	\$ 0.03822	32,754,489	\$ 1,251,874	\$ 0.03822	\$ 1,251,874	\$ -
Off-Peak Energy	\$ 0.02462	178,549,601	\$ 4,395,891	\$ 0.02462	\$ 4,395,891	\$ -
Total UW Energy		273,862,776	\$ 7,944,923		\$ 7,944,923	\$ -
REB On-Peak Energy		10,578,073				
REB Off-Peak Energy		9,177,193				
Chiller Energy-January Heating	\$ 0.03392	8,667	\$ 294	\$ 0.03392	\$ 294	\$ -
Winter On-Peak Energy	\$ 0.02462	9,762	\$ 240	\$ 0.02462	\$ 240	\$ -
Winter Off-Peak Energy						
Total Chiller Energy-January Heating		18,429	\$ 534		\$ 534	\$ -
Chiller Energy-February Heating						
Winter On-Peak Energy	\$ 0.03392	7,689	\$ 261	\$ 0.03392	\$ 261	\$ -
Winter Off-Peak Energy	\$ 0.02462	9,429	\$ 232	\$ 0.02462	\$ 232	\$ -
Total Chiller Energy-February Heating		17,118	\$ 493		\$ 493	\$ -
Chiller Energy-March Heating						
Winter On-Peak Energy	\$ 0.03392	310,589	\$ 10,535	\$ 0.03392	\$ 10,535	\$ -
Winter Off-Peak Energy	\$ 0.02462	44,829	\$ 1,105	\$ 0.02462	\$ 1,105	\$ -
Total Chiller Energy-March Heating		355,468	\$ 11,640		\$ 11,640	\$ -
Chiller Energy-April Heating						
Winter On-Peak Energy	\$ 0.03392	284,663	\$ 9,656	\$ 0.03392	\$ 9,656	\$ -
Winter Off-Peak Energy	\$ 0.02462	1,174,149	\$ 28,908	\$ 0.02462	\$ 28,908	\$ -
Total Chiller Energy-April Heating		1,458,812	\$ 38,563		\$ 38,563	\$ -
Chiller Energy-April Cooling						
Winter On-Peak Energy	\$ 0.03362	-	\$ -	\$ 0.03362	\$ -	\$ -
Winter Off-Peak Energy	\$ 0.02462	-	\$ -	\$ 0.02462	\$ -	\$ -
Total Chiller Energy-April Cooling		-	\$ -		\$ -	\$ -
Chiller Energy-May Cooling						
Winter On-Peak Energy	\$ 0.03362	1,689,851	\$ 56,813	\$ 0.03362	\$ 56,813	\$ -
Winter Off-Peak Energy	\$ 0.02462	2,302,019	\$ 56,676	\$ 0.02462	\$ 56,676	\$ -
Total Chiller Energy-May Cooling		3,991,870	\$ 113,488		\$ 113,488	\$ -
Chiller Energy-June Cooling						
Winter On-Peak Energy	\$ 0.03362	1,415,391	\$ 47,585	\$ 0.03362	\$ 47,585	\$ -
Summer Off-Peak Energy	\$ 0.02462	2,433,059	\$ 59,901	\$ 0.02462	\$ 59,901	\$ -
Total Chiller Energy-June Cooling		3,848,450	\$ 107,487		\$ 107,487	\$ -
Chiller Energy-July Cooling						
Winter On-Peak Energy	\$ 0.03362	1,573,639	\$ 5,300	\$ 0.03362	\$ 5,300	\$ -
Summer Off-Peak Energy	\$ 0.02462	784,631	\$ 19,318	\$ 0.02462	\$ 19,318	\$ -
Total Chiller Energy-July Cooling		942,270	\$ 24,617		\$ 24,617	\$ -

MADISON GAS AND ELECTRIC COMPANY  
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ELECTRIC BILLING STATISTICS AND REVENUES  
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UNIVERSITY OF WISCONSIN TIME-OF-USE SP-3

Rate Component (1)	Present			Proposed		
	Rate (2)	Units (3)	Revenue (4)	Rate (5)	Revenue (7)	Difference (8)
Chiller Energy-August Cooling						
Summer On-Peak Energy	\$ 0.03362	880,713	\$ 29,610	\$ 0.03362	\$ 29,610	\$ -
Summer Off-Peak Energy	\$ 0.02462	3,741,963	\$ 92,127	\$ 0.02462	\$ 92,127	\$ -
Total Chiller Energy-August Cooling		4,622,676	\$ 121,737		\$ 121,737	\$ -
Chiller Energy-September Cooling						
Summer On-Peak Energy	\$ 0.03362	1,088,562	\$ 36,597	\$ 0.03362	\$ 36,597	\$ -
Summer Off-Peak Energy	\$ 0.02462	6,680,147	\$ 164,465	\$ 0.02462	\$ 164,465	\$ -
Total Chiller Energy-September Cooling		7,768,709	\$ 201,063		\$ 201,063	\$ -
Chiller Energy-October Cooling						
Winter On-Peak Energy	\$ 0.03362	-	\$ -	\$ 0.03362	\$ -	\$ -
Winter Off-Peak Energy	\$ 0.02462	-	\$ -	\$ 0.02462	\$ -	\$ -
Total Chiller Energy-October Cooling		-	\$ -		\$ -	\$ -
Chiller Energy-October Heating						
Winter On-Peak Energy	\$ 0.03392	2,086,141	\$ 70,762	\$ 0.03392	\$ 70,762	\$ -
Winter Off-Peak Energy	\$ 0.02462	1,849,147	\$ 45,526	\$ 0.02462	\$ 45,526	\$ -
Total Chiller Energy-October Heating		3,935,288	\$ 116,288		\$ 116,288	\$ -
Chiller Energy-November Heating						
Winter On-Peak Energy	\$ 0.03392	870,115	\$ 29,514	\$ 0.03392	\$ 29,514	\$ -
Winter Off-Peak Energy	\$ 0.02462	820,329	\$ 20,196	\$ 0.02462	\$ 20,196	\$ -
Total Chiller Energy-November Heating		1,690,444	\$ 49,711		\$ 49,711	\$ -
Chiller Energy-December Heating						
Winter On-Peak Energy	\$ 0.03392	8,755	\$ 297	\$ 0.03392	\$ 297	\$ -
Winter Off-Peak Energy	\$ 0.02462	24,063	\$ 592	\$ 0.02462	\$ 592	\$ -
Total Chiller Energy-December Heating		32,798	\$ 889		\$ 889	\$ -
Total Chiller		28,682,313	\$ 786,510		\$ 786,510	\$ -
Sp-3 Energy		302,545,089	\$ 8,731,433		\$ 8,731,433	\$ -
Renewable Resource Revenue - Assigned	\$ 0.05800	19,755,266	\$ 1,145,805	\$ 0.05800	\$ 1,145,805	\$ -
Renewable Resource Revenue - Unassigned	\$ 0.05800		\$ -	\$ 0.05800	\$ -	\$ -
Act 141 Fixed Charge			\$ 7,440		\$ 7,410	\$ (29)
Total			\$ 31,775,475		\$ 31,775,379	\$ (96)
			\$ 31,775,475		\$ -	\$ -
Rev without RER			\$ 30,629,670		\$ 30,629,574	\$ (96)



MADISON GAS AND ELECTRIC COMPANY  
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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
<u>ATHLETIC FIELD LIGHTING MLS</u>								
CUSTOMER CHARGE	Bills	305	\$0.78669 per day per bill	\$7,298	\$0.78584 per day per bill	\$7,290		
	Days	365	\$23.93		\$23.90			
DISTRIBUTION CHARGE	kWh	463,070	\$0.0300 per kWh	\$13,892	\$0.0405 per kWh	\$18,736		
ELECTRICITY CHARGE	kWh	463,070	\$0.09656 per kWh	\$44,714	\$0.09656 per kWh	\$44,714		
Act 141 Fixed Charge	Fixed			\$ 5		\$2		
Act 141 Credit	kWh	41,734	(\$0.00229) per kWh	\$ (419)	(\$0.00238)	(\$99)		
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TOTAL MLS		463,070		\$65,490		\$70,643	\$5,154	7.87%

MADISON GAS AND ELECTRIC COMPANY  
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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES		BILLING KWH	PRESENT REVENUES	2022 PROPOSED RATES		2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>RENEWABLE FLAT BILL PILOT - RFB-1</u>											
Tranche Billable kWh											
	100	100	1	\$33.50 per month	1,200	\$402	\$34.50 per month		\$414	\$12	2.99%
	200	200	3	\$47.50 per month	7,200	\$1,710	\$49.50 per month		\$1,782	\$72	4.21%
	300	300	4	\$61.50 per month	14,400	\$2,952	\$65.00 per month		\$3,120	\$168	5.69%
	400	400	4	\$75.50 per month	19,200	\$3,624	\$80.00 per month		\$3,840	\$216	5.96%
	500	500	4	\$90.00 per month	24,000	\$4,320	\$95.00 per month		\$4,560	\$240	5.56%
	600	600	4	\$104.00 per month	28,800	\$4,992	\$110.50 per month		\$5,304	\$312	6.25%
	700	700	3	\$118.00 per month	25,200	\$4,248	\$125.50 per month		\$4,518	\$270	6.36%
	800	800	2	\$132.00 per month	19,200	\$3,168	\$140.50 per month		\$3,372	\$204	6.44%
	900	900	2	\$146.00 per month	21,600	\$3,504	\$156.00 per month		\$3,744	\$240	6.85%
	1000	1000	1	\$160.00 per month	12,000	\$1,920	\$171.00 per month		\$2,052	\$132	6.88%
	Over 1000	1322	2	\$205.53 per month	31,728	\$4,933	\$234.00 per month		\$5,616	\$683	13.85%
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TOTAL Rfb-1 REVENUES		30			204,528	\$ 35,773			\$ 38,322	\$ 2,549	7.13%

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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>GENERAL FLAT RATES Gf-1</u>								
LEVEL II CATV Amplifiers	Each	0	\$76.50 each per bill	\$0	\$76.50 each per bill	\$0		
LEVEL II CATV Amplifiers Total		0		\$0		\$0		
LEVEL III Unmetered Service								
Customer Charge	Bills	659	\$0.65420 per bill per day	\$13,113	\$0.65420 per bill per day	\$13,113		
	Days	365	\$19.90		\$19.90			
Distribution Service	kWh	1,539,083	\$0.0300 per kWh	\$46,172	\$0.0389 per kWh	\$59,932		
Electricity Service	kWh	1,539,083	\$0.09082 per kWh	\$139,780	\$0.09082 per kWh	\$139,780		
Act 141 Credit	Each	4,380	(\$0.00229) per kWh	(\$10)	(\$0.00238) per kWh	(\$10)		
LEVEL III Unmetered Service TOTAL				\$199,055		\$212,815		
TOTAL Gf-1 REVENUES				\$199,055		\$212,815	\$13,760	6.91%

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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
							AMOUNT	PERCENT
<u>SECONDARY SERVICE FOR MUNICIPAL DEFENSE SIRENS Mg-2</u>								
MOTOR-DRIVEN SIRENS (2 Hp)	siren	58	\$4.05 each	\$235	\$4.42 each	\$256	\$21	8.94%
ELECTRONIC SIRENS	siren	144	\$5.86 each	\$844	\$6.23 each	\$897	\$53	6.28%
TOTAL Mg-2 REVENUES				\$1,079		\$1,153	\$74	6.86%

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS (LAMPS)	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>OUTDOOR OVERHEAD LIGHTING SERVICE - PRIVATE UNMETERED OL-1</b>								
<b>DUSK-TO-DAWN YARD LIGHTING</b>								
70 WATT HPS LAMPS	Lamps	1,608	\$12.61 per lamp	\$20,277	\$14.14 per lamp	\$22,735		
100 WATT HPS LAMPS	Lamps	2,100	\$13.67 per lamp	\$28,707	\$15.20 per lamp	\$31,917		
150 WATT HPS LAMPS	Lamps	8,184	\$15.50 per lamp	\$126,852	\$17.03 per lamp	\$139,362		
<b>SUBTOTAL HPS LAMPS</b>		<b>11,892</b>		<b>\$175,836</b>		<b>\$194,014</b>		
175 WATT MV LAMPS (CLOSED)	Lamps	384	\$15.20 per lamp	\$5,837	\$16.73 per lamp	\$6,424		
250 WATT MV LAMPS (CLOSED)	Lamps	24	\$17.12 per lamp	\$411	\$18.65 per lamp	\$448		
400 WATT MV LAMPS (CLOSED)	Lamps	108	\$21.25 per lamp	\$2,295	\$22.78 per lamp	\$2,460		
<b>SUBTOTAL MV LAMPS</b>		<b>516</b>		<b>\$8,543</b>		<b>\$9,332</b>		
<b>TOTAL DUSK-TO-DAWN LIGHTING</b>		<b>12,408</b>		<b>\$184,379</b>		<b>\$203,346</b>		
<b>OUTDOOR OVERHEAD LIGHTING</b>								
70 WATT HPS LAMPS	Lamps	1,692	\$14.44 per lamp	\$24,432	\$15.97 per lamp	\$27,019		
150 WATT HPS LAMPS	Lamps	4,824	\$17.70 per lamp	\$85,385	\$19.23 per lamp	\$92,759		
250 WATT HPS LAMPS	Lamps	3,144	\$20.67 per lamp	\$64,986	\$22.20 per lamp	\$69,792		
400 WATT HPS LAMPS	Lamps	948	\$24.90 per lamp	\$23,605	\$26.43 per lamp	\$25,054		
<b>SUBTOTAL HPS LAMPS</b>		<b>10,608</b>		<b>\$198,408</b>		<b>\$214,624</b>		
70 WATT MH LAMPS	Lamps	0	\$15.20 per lamp	\$0	\$16.73 per lamp	\$0		
150 WATT MH LAMPS	Lamps	0	\$17.60 per lamp	\$0	\$19.13 per lamp	\$0		
250 WATT MH LAMPS	Lamps	468	\$20.39 per lamp	\$9,543	\$21.92 per lamp	\$10,258		
400 WATT MH LAMPS	Lamps	684	\$24.32 per lamp	\$16,635	\$25.85 per lamp	\$17,680		
<b>SUBTOTAL MH LAMPS</b>		<b>1,152</b>		<b>\$26,178</b>		<b>\$27,938</b>		
70 WATT EQUIVALENT LED LAMPS	Lamps	336	\$15.50 per lamp	\$5,208	\$17.03 per lamp	\$5,722		
150 WATT EQUIVALENT LED LAMPS	Lamps	432	\$16.08 per lamp	\$6,947	\$17.61 per lamp	\$7,607		
250 WATT EQUIVALENT LED LAMPS	Lamps	1,056	\$18.56 per lamp	\$19,599	\$20.09 per lamp	\$21,214		
400 WATT EQUIVALENT LED LAMPS	Lamps	456	\$23.17 per lamp	\$10,566	\$24.70 per lamp	\$11,263		
<b>SUBTOTAL LED LAMPS</b>		<b>2,280</b>		<b>\$42,320</b>		<b>\$45,806</b>		
<b>TOTAL OUTDOOR OVERHEAD LIGHTING</b>		<b>14,040</b>		<b>\$266,906</b>		<b>\$288,368</b>		
Act 141 Fixed Charge	Fixed			\$ 10		\$ 10		
Act 141 Credit	KWH	120,828	(\$0.00229) per kWh	(\$238)				
Act 141 Credit	Lamps	2,280	per lamp		-0.13252 per lamp	\$ (302)		
WOOD POLES	Poles	11,028	\$8.85 per pole	\$97,598	\$8.85 per pole	\$97,598		
NONWOOD POLES	Poles	2,556	\$14.25 per pole	\$36,423	\$14.25 per pole	\$36,423		
<b>TOTAL POLES</b>		<b>13,584</b>		<b>\$134,021</b>		<b>\$134,021</b>		
<b>TOTAL OL-1</b>		<b>26,448</b>		<b>\$585,078</b>		<b>\$625,507</b>	<b>\$40,365</b>	<b>6.90%</b>

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS (LAMPS)	DISTRIBUTION SERVICE		ELECTRICITY SERVICE				FACILITIES FEE		TOTAL PRESENT MONTHLY RATE		DISTRIBUTION REVENUE	ELECTRICITY REVENUE	FACILITIES FEE REVENUE	PRESENT REVENUES	PROPOSED REVENUE INCREASE	
			PRESENT DISTRIBUTION SERVICE RATE	BILLING UNITS	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (MO. KWH)	TOTAL PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	PRESENT FACILITIES RATE	BILLING UNITS	PRESENT RATES					BILLING UNITS	AMOUNT
STREETLIGHTING SERVICE - COMPANY OWNED AND COMPANY MAINTAINED SL-1																		
OVERHEAD SERVICE																		
175 WATT MV ANEN (CLOSED)	Lamp	1,716	\$3.20	Lamp	\$0.07280	/KWh/lamp	67	\$4.88	Lamp	\$7.90	Lamp	\$15.98	Lamp	\$5,491	\$8,374	\$13,556	\$27,421	
250 WATT MV ANEN (CLOSED)	Lamp	339	\$3.20	Lamp	\$0.07280	/KWh/lamp	95	\$6.92	Lamp	\$8.00	Lamp	\$18.12	Lamp	\$2,712	\$2,468	\$2,712	\$6,143	
400 WATT MV ANEN (CLOSED)	Lamp	576	\$3.20	Lamp	\$0.07280	/KWh/lamp	153	\$11.14	Lamp	\$8.40	Lamp	\$22.74	Lamp	\$1,843	\$6,417	\$4,838	\$13,098	
SUBTOTAL MV ANEN		2,631					315							\$8,419	\$17,137	\$21,108	\$46,662	
400 WATT MV MN	Lamp	30	\$3.20	Lamp	\$0.07280	/KWh/lamp	77	\$5.61	Lamp	\$8.40	Lamp	\$17.21	Lamp	\$96	\$168	\$252	\$516	
SUBTOTAL MV MN		30					77							\$96	\$168	\$252	\$516	
70 WATT HPS ANEN	Lamp	636	\$3.20	Lamp	\$0.07280	/KWh/lamp	26	\$1.89	Lamp	\$7.60	Lamp	\$12.69	Lamp	\$2,035	\$1,202	\$4,834	\$8,071	
100 WATT HPS ANEN	Lamp	3,168	\$3.20	Lamp	\$0.07280	/KWh/lamp	38	\$2.77	Lamp	\$7.60	Lamp	\$13.57	Lamp	\$10,138	\$8,775	\$24,077	\$42,990	
150 WATT HPS ANEN	Lamp	1,848	\$3.20	Lamp	\$0.07280	/KWh/lamp	58	\$4.22	Lamp	\$7.60	Lamp	\$15.02	Lamp	\$5,914	\$7,799	\$14,045	\$27,758	
200 WATT HPS ANEN	Lamp	24	\$3.20	Lamp	\$0.07280	/KWh/lamp	77	\$5.61	Lamp	\$7.60	Lamp	\$16.61	Lamp	\$77	\$135	\$187	\$399	
250 WATT HPS ANEN	Lamp	228	\$3.20	Lamp	\$0.07280	/KWh/lamp	95	\$6.92	Lamp	\$8.40	Lamp	\$19.52	Lamp	\$750	\$1,578	\$1,915	\$4,223	
SUBTOTAL HPS ANEN		5,904					294							\$18,894	\$19,489	\$45,058	\$83,441	
300 WATT SUSP TYPE ANEN (CL)	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	115	\$8.37	Lamp	\$7.70	Lamp	\$19.27	Lamp	\$0	\$0	\$0	\$0	
100 WATT EQUIV. LED ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	10	\$0.73	Lamp	\$12.50	Lamp	\$16.43	Lamp	\$0	\$0	\$0	\$0	
150 WATT EQUIV. LED ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	17	\$1.24	Lamp	\$14.40	Lamp	\$19.39	Lamp	\$0	\$0	\$0	\$0	
250 WATT EQUIV. LED ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	33	\$2.40	Lamp	\$16.60	Lamp	\$22.20	Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL HPS ANEN		0					175							\$0	\$0	\$0	\$0	
TOTAL OVERHEAD SERVICE		8,565					801							\$27,409	\$36,794	\$66,416	\$130,819	
UNDERGROUND SERVICE																		
70 WATT HPS ANEN	Lamp	576	\$3.20	Lamp	\$0.07280	/KWh/lamp	26	\$1.89	Lamp	\$12.50	Lamp	\$17.59	Lamp	\$1,843	\$1,089	\$7,200	\$10,132	
100 WATT HPS ANEN	Lamp	1,656	\$3.20	Lamp	\$0.07280	/KWh/lamp	38	\$2.77	Lamp	\$12.60	Lamp	\$18.57	Lamp	\$5,299	\$4,587	\$20,866	\$30,752	
150 WATT HPS ANEN	Lamp	1,056	\$3.20	Lamp	\$0.07280	/KWh/lamp	58	\$4.22	Lamp	\$12.70	Lamp	\$20.12	Lamp	\$3,379	\$4,456	\$13,411	\$21,246	
200 WATT HPS ANEN	Lamp	60	\$3.20	Lamp	\$0.07280	/KWh/lamp	77	\$5.61	Lamp	\$13.00	Lamp	\$21.81	Lamp	\$192	\$337	\$780	\$1,309	
250 WATT HPS ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	95	\$6.92	Lamp	\$13.40	Lamp	\$23.52	Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL HPS ANEN		3,348					294							\$10,713	\$10,469	\$42,257	\$63,439	
39 WATT EQUIV. LED ANEN	Lamp	12	\$3.20	Lamp	\$0.07280	/KWh/lamp	13	\$1.06	Lamp	\$16.90	Lamp	\$21.16	Lamp	\$38	\$13	\$203	\$254	
100 WATT EQUIV. LED ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	10	\$0.73	Lamp	\$16.90	Lamp	\$20.83	Lamp	\$0	\$0	\$0	\$0	
150 WATT EQUIV. LED ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	17	\$1.24	Lamp	\$18.70	Lamp	\$23.14	Lamp	\$0	\$0	\$0	\$0	
250 WATT EQUIV. LED ANEN	Lamp	0	\$3.20	Lamp	\$0.07280	/KWh/lamp	33	\$2.40	Lamp	\$21.00	Lamp	\$26.60	Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL LED ANEN		12					73							\$38	\$13	\$203	\$254	
TOTAL UNDERGROUND SERVICE		3,380					367							\$10,751	\$10,482	\$42,460	\$63,693	
Act 141 Fixed Charge															\$5	\$	-	
Act 141 Credit		13,606	KWh				(\$0.00222)	per KWh							(\$263)		(\$204)	
Fuel Credit																		
TOTAL PRESENT SL-1		11,925	Lamps					14,016						\$38,160	\$47,018	\$108,876	\$194,108	

MADISON GAS AND ELECTRIC COMPANY  
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SUMMARY OF ESTIMATED  
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TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS (LAMPS)	DISTRIBUTION SERVICE		ELECTRICITY SERVICE				FACILITIES FEE		TOTAL PROPOSED MONTHLY RATE		DISTRIBUTION REVENUE	ELECTRICITY REVENUE	FACILITIES FEE REVENUE	2021 PROPOSED REVENUES	PROPOSED REVENUE INCREASE		
			PROPOSED DISTRIBUTION SERVICE RATE	BILLING UNITS	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (MO. KWH)	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	PROPOSED FACILITIES RATE	BILLING UNITS	2021 PROPOSED RATES					BILLING UNITS	AMOUNT	PERCENT
STREETLIGHTING SERVICE - COMPANY OWNED AND COMPANY MAINTAINED SL-1																			
OVERHEAD SERVICE																			
175 WATT MV ANEN (CLOSED)	/Lamp	1,716	\$3.75	/Lamp	\$0.07280	/KWh/lamp	67	\$4.88	/Lamp	\$7.90	/Lamp	\$16.53	/Lamp	\$6,440	\$8,374	\$13,556	\$28,370		
250 WATT MV ANEN (CLOSED)	/Lamp	339	\$3.75	/Lamp	\$0.07280	/KWh/lamp	95	\$6.92	/Lamp	\$8.00	/Lamp	\$18.67	/Lamp	\$1,272	\$2,346	\$2,712	\$6,330		
400 WATT MV ANEN (CLOSED)	/Lamp	576	\$3.75	/Lamp	\$0.07280	/KWh/lamp	153	\$11.14	/Lamp	\$8.40	/Lamp	\$23.29	/Lamp	\$2,162	\$6,417	\$4,838	\$13,417		
SUBTOTAL MV ANEN		2,631					315							\$9,874	\$17,137	\$21,108	\$48,117		
400 WATT MV MN (CLOSED)	/Lamp	30	\$3.75	/Lamp	\$0.07280	/KWh/lamp	77	\$5.61	/Lamp	\$8.40	/Lamp	\$17.76	/Lamp	\$113	\$168	\$252	\$533		
SUBTOTAL MV MN		30					77							\$113	\$168	\$252	\$533		
70 WATT HPS ANEN	/Lamp	636	\$3.75	/Lamp	\$0.07280	/KWh/lamp	26	\$1.89	/Lamp	\$7.60	/Lamp	\$13.24	/Lamp	\$2,387	\$1,202	\$4,834	\$8,423		
100 WATT HPS ANEN	/Lamp	3,168	\$3.75	/Lamp	\$0.07280	/KWh/lamp	38	\$2.77	/Lamp	\$7.60	/Lamp	\$14.12	/Lamp	\$11,888	\$8,775	\$24,077	\$44,740		
150 WATT HPS ANEN	/Lamp	1,848	\$3.75	/Lamp	\$0.07280	/KWh/lamp	58	\$4.22	/Lamp	\$7.60	/Lamp	\$15.57	/Lamp	\$6,935	\$7,799	\$14,045	\$28,779		
200 WATT HPS ANEN	/Lamp	24	\$3.75	/Lamp	\$0.07280	/KWh/lamp	77	\$5.61	/Lamp	\$7.60	/Lamp	\$17.16	/Lamp	\$90	\$135	\$187	\$412		
250 WATT HPS ANEN	/Lamp	228	\$3.75	/Lamp	\$0.07280	/KWh/lamp	95	\$6.92	/Lamp	\$8.40	/Lamp	\$19.07	/Lamp	\$556	\$1,578	\$1,915	\$4,349		
SUBTOTAL HPS ANEN		5,904					294							\$22,156	\$19,489	\$45,058	\$86,703		
300 WATT SUSP TYPE ANEN (CL)	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	115	\$8.37	/Lamp	\$7.70	/Lamp	\$19.82	/Lamp	\$0	\$0	\$0	\$0		
100 WATT EQUIV. LED ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	10	\$0.73	/Lamp	\$12.50	/Lamp	\$16.98	/Lamp	\$0	\$0	\$0	\$0		
150 WATT EQUIV. LED ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	17	\$1.24	/Lamp	\$14.40	/Lamp	\$19.39	/Lamp	\$0	\$0	\$0	\$0		
250 WATT EQUIV. LED ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	33	\$2.40	/Lamp	\$16.60	/Lamp	\$22.75	/Lamp	\$0	\$0	\$0	\$0		
SUBTOTAL HPS ANEN		0					175							\$0	\$0	\$0	\$0		
TOTAL OVERHEAD SERVICE		8,565					976							\$32,143	\$36,794	\$66,416	\$135,353		
UNDERGROUND SERVICE																			
70 WATT HPS ANEN	/Lamp	576	\$3.75	/Lamp	\$0.07280	/KWh/lamp	26	\$1.89	/Lamp	\$12.50	/Lamp	\$18.14	/Lamp	\$2,162	\$1,089	\$7,200	\$10,451		
100 WATT HPS ANEN	/Lamp	1,656	\$3.75	/Lamp	\$0.07280	/KWh/lamp	38	\$2.77	/Lamp	\$12.60	/Lamp	\$19.12	/Lamp	\$6,214	\$4,587	\$20,866	\$31,667		
150 WATT HPS ANEN	/Lamp	1,056	\$3.75	/Lamp	\$0.07280	/KWh/lamp	58	\$4.22	/Lamp	\$12.70	/Lamp	\$20.67	/Lamp	\$3,963	\$4,456	\$13,411	\$21,830		
200 WATT HPS ANEN	/Lamp	60	\$3.75	/Lamp	\$0.07280	/KWh/lamp	77	\$5.61	/Lamp	\$13.00	/Lamp	\$22.36	/Lamp	\$225	\$337	\$780	\$1,342		
250 WATT HPS ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	95	\$6.92	/Lamp	\$13.40	/Lamp	\$24.07	/Lamp	\$0	\$0	\$0	\$0		
SUBTOTAL HPS ANEN		3,348					294							\$12,564	\$10,469	\$42,257	\$65,290		
39 WATT EQUIV. LED ANEN	/Lamp	12	\$3.75	/Lamp	\$0.07280	/KWh/lamp	13	\$1.06	/Lamp	\$16.90	/Lamp	\$21.71	/Lamp	\$45	\$13	\$203	\$261		
100 WATT EQUIV. LED ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	10	\$0.73	/Lamp	\$16.90	/Lamp	\$21.38	/Lamp	\$0	\$0	\$0	\$0		
150 WATT EQUIV. LED ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	17	\$1.24	/Lamp	\$18.70	/Lamp	\$23.69	/Lamp	\$0	\$0	\$0	\$0		
250 WATT EQUIV. LED ANEN	/Lamp	0	\$3.75	/Lamp	\$0.07280	/KWh/lamp	33	\$2.40	/Lamp	\$21.00	/Lamp	\$27.15	/Lamp	\$0	\$0	\$0	\$0		
SUBTOTAL LED ANEN		12					73							\$45	\$13	\$203	\$261		
TOTAL UNDERGROUND SERVICE		3,360					367							\$12,609	\$10,482	\$42,460	\$65,551		
Ad 141 Fixed Charge														\$	1	\$	1		
Ad 141 Credit		13,606	Units															(\$32)	
(\$0.00230) per kWh																			
TOTAL PROPOSED SL-1																			
		11,925	Lamps											\$44,752	\$47,277	\$108,876	\$200,872	\$6,764	3.48%

MADISON GAS AND ELECTRIC COMPANY  
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FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS (LAMPS)	DISTRIBUTION SERVICE		ELECTRICITY SERVICE					TOTAL PRESENT MONTHLY RATE		DISTRIBUTION REVENUE	ELECTRICITY REVENUE	PRESENT REVENUES	PROPOSED REVENUE INCREASE AMOUNT PERCENT	
			PRESENT DISTRIBUTION SERVICE RATE	BILLING UNITS	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (MO. KWH)	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	PRESENT RATES	BILLING UNITS					
STREETLIGHTING SERVICE - CUSTOMER OWNED AND CUSTOMER MAINTAINED SL-2																
100 WATT MV ANEN (CLOSED)	Lamps	324	\$3.20	/Lamp	\$0.07280	/kWh/lamp	38	\$2.77	/Lamp	\$5.97	/Lamp	\$1,037	\$897	\$1,934		
175 WATT MV ANEN (CLOSED)	Lamps	286	\$3.20	/Lamp	\$0.07280	/kWh/lamp	67	\$4.88	/Lamp	\$8.08	/Lamp	\$922	\$1,405	\$2,327		
250 WATT MV ANEN (CLOSED)	Lamps	528	\$3.20	/Lamp	\$0.07280	/kWh/lamp	95	\$6.92	/Lamp	\$10.12	/Lamp	\$1,690	\$3,654	\$5,344		
400 WATT MV ANEN (CLOSED)	Lamps	6	\$3.20	/Lamp	\$0.07280	/kWh/lamp	153	\$11.14	/Lamp	\$14.34	/Lamp	\$19	\$67	\$86		
SUBTOTAL MV ALLNIGHT SCHEDULE		1,146					353					\$3,668	\$6,023	\$9,691		
250 WATT MV MN (CLOSED)	Lamps	36	\$3.20	/Lamp	\$0.07280	/kWh/lamp	48	\$3.49	/Lamp	\$6.69	/Lamp	\$115	\$126	\$241		
400 WATT MV MN (CLOSED)	Lamps	18	\$3.20	/Lamp	\$0.07280	/kWh/lamp	77	\$5.61	/Lamp	\$8.81	/Lamp	\$58	\$101	\$159		
SUBTOTAL MV MIDNIGHT SCHEDULE		54					125					\$173	\$227	\$400		
400 WATT MV 10:30 (CLOSED)	Lamps	120	\$3.20	/Lamp	\$0.07280	/kWh/lamp	55	\$4.00	/Lamp	\$7.20	/Lamp	\$384	\$480	\$864		
SUBTOTAL MV 10:30 SCHEDULE		120					55					\$384	\$480	\$864		
100 WATT MV 3AM (CLOSED)	Lamps	48	\$3.20	/Lamp	\$0.07280	/kWh/lamp	29	\$2.11	/Lamp	\$5.31	/Lamp	\$154	\$101	\$255		
SUBTOTAL MV 3AM SCHEDULE		48					29					\$154	\$101	\$255		
TOTAL MV LAMPS		1,368					562					\$4,379	\$6,831	\$11,210		
70 WATT HPS ANEN	Lamps	976	\$3.20	/Lamp	\$0.07280	/kWh/lamp	26	\$1.89	/Lamp	\$5.09	/Lamp	\$3,123	\$1,845	\$4,968		
100 WATT HPS ANEN	Lamps	3,924	\$3.20	/Lamp	\$0.07280	/kWh/lamp	38	\$2.77	/Lamp	\$5.97	/Lamp	\$12,557	\$10,869	\$23,426		
150 WATT HPS ANEN	Lamps	18,093	\$3.20	/Lamp	\$0.07280	/kWh/lamp	58	\$4.22	/Lamp	\$7.42	/Lamp	\$57,898	\$76,352	\$134,250		
100 WATT HPS UG ANEN	Lamps	72	\$3.20	/Lamp	\$0.07280	/kWh/lamp	38	\$2.77	/Lamp	\$5.97	/Lamp	\$230	\$199	\$429		
150 WATT HPS UG ANEN	Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/lamp	58	\$4.22	/Lamp	\$7.42	/Lamp	\$38	\$51	\$89		
200 WATT HPS ANEN	Lamps	2,583	\$3.20	/Lamp	\$0.07280	/kWh/lamp	77	\$5.61	/Lamp	\$8.81	/Lamp	\$8,265	\$14,490	\$22,755		
250 WATT HPS ANEN	Lamps	8,852	\$3.20	/Lamp	\$0.07280	/kWh/lamp	95	\$6.92	/Lamp	\$10.12	/Lamp	\$28,326	\$61,256	\$89,582		
400 WATT HPS ANEN	Lamps	3,263	\$3.20	/Lamp	\$0.07280	/kWh/lamp	153	\$11.14	/Lamp	\$14.34	/Lamp	\$10,442	\$36,350	\$46,792		
SUTOTAL HPS ALLNIGHT SCHEDULE		37,775					543					\$120,879	\$201,412	\$322,291		
70 WATT HPS MN	Lamps	636	\$3.20	/Lamp	\$0.07280	/kWh/lamp	14	\$1.02	/Lamp	\$4.22	/Lamp	\$2,035	\$649	\$2,684		
100 WATT HPS MN	Lamps	720	\$3.20	/Lamp	\$0.07280	/kWh/lamp	20	\$1.46	/Lamp	\$4.66	/Lamp	\$2,304	\$1,051	\$3,355		
150 WATT HPS MN	Lamps	5,619	\$3.20	/Lamp	\$0.07280	/kWh/lamp	29	\$2.11	/Lamp	\$5.31	/Lamp	\$17,981	\$11,856	\$29,837		
200 WATT HPS MN	Lamps	120	\$3.20	/Lamp	\$0.07280	/kWh/lamp	38	\$2.77	/Lamp	\$5.97	/Lamp	\$384	\$332	\$716		
250 WATT HPS MN	Lamps	1,092	\$3.20	/Lamp	\$0.07280	/kWh/lamp	48	\$3.49	/Lamp	\$6.69	/Lamp	\$3,494	\$3,811	\$7,305		
400 WATT HPS MN	Lamps	732	\$3.20	/Lamp	\$0.07280	/kWh/lamp	77	\$5.61	/Lamp	\$8.81	/Lamp	\$2,342	\$4,107	\$6,449		
SUBTOTAL HPS MIDNIGHT SCHEDULE		8,919					226					\$28,540	\$21,806	\$50,346		
70 WATT HPS 10:30	Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/lamp	9	\$0.66	/Lamp	\$3.86	/Lamp	\$0	\$0	\$0		
100 WATT HPS 10:30	Lamps	24	\$3.20	/Lamp	\$0.07280	/kWh/lamp	14	\$1.02	/Lamp	\$4.22	/Lamp	\$77	\$24	\$101		
150 WATT HPS 10:30	Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/lamp	21	\$1.53	/Lamp	\$4.73	/Lamp	\$38	\$18	\$56		
200 WATT HPS 10:30	Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/lamp	28	\$2.04	/Lamp	\$5.24	/Lamp	\$0	\$0	\$0		
250 WATT HPS 10:30	Lamps	48	\$3.20	/Lamp	\$0.07280	/kWh/lamp	35	\$2.55	/Lamp	\$5.75	/Lamp	\$154	\$122	\$276		
400 WATT HPS 10:30	Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/lamp	55	\$4.00	/Lamp	\$7.20	/Lamp	\$0	\$0	\$0		
SUBTOTAL HPS 10:30 SCHEDULE		84					162					\$269	\$164	\$433		
70 WATT HPS 3AM	Lamps	624	\$3.20	/Lamp	\$0.07280	/kWh/lamp	21	\$1.53	/Lamp	\$4.73	/Lamp	\$1,997	\$955	\$2,952		
100 WATT HPS 3AM	Lamps	48	\$3.20	/Lamp	\$0.07280	/kWh/lamp	29	\$2.11	/Lamp	\$5.31	/Lamp	\$154	\$101	\$255		
150 WATT HPS 3AM	Lamps	1,278	\$3.20	/Lamp	\$0.07280	/kWh/lamp	44	\$3.20	/Lamp	\$6.40	/Lamp	\$4,090	\$4,090	\$8,180		
200 WATT HPS 3AM	Lamps	495	\$3.20	/Lamp	\$0.07280	/kWh/lamp	58	\$4.22	/Lamp	\$7.42	/Lamp	\$1,698	\$1,975	\$3,673		
250 WATT HPS 3AM	Lamps	420	\$3.20	/Lamp	\$0.07280	/kWh/lamp	72	\$5.24	/Lamp	\$8.44	/Lamp	\$1,344	\$2,201	\$3,545		
400 WATT HPS 3AM	Lamps	495	\$3.20	/Lamp	\$0.07280	/kWh/lamp	115	\$8.37	/Lamp	\$11.57	/Lamp	\$1,884	\$4,143	\$5,727		
SUBTOTAL HPS 3AM SCHEDULE		3,333					339					\$10,667	\$13,465	\$24,132		
TOTAL HPS LAMPS		50,111					1,270					\$160,355	\$236,847	\$397,202		

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	NUMBER OF BILLING UNITS (LAMPS)	DISTRIBUTION SERVICE		ELECTRICITY SERVICE				TOTAL PRESENT MONTHLY RATE		DISTRIBUTION REVENUE	ELECTRICITY REVENUE	PRESENT REVENUES	PROPOSED REVENUE	
		PRESENT DISTRIBUTION SERVICE RATE	BILLING UNITS	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (MO. KWH)	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	PRESENT RATES				BILLING UNITS	INCREASE AMOUNT
STREETLIGHTING SERVICE - CUSTOMER OWNED AND CUSTOMER MAINTAINED SL-2														
35 WATT LPS ANEN	Lamps	113	\$3.20 /Lamp	\$0.07280 /kWh/lamp	14	\$1.02 /Lamp	\$4.22 /Lamp	\$362	\$115	\$477				
55 WATT LPS ANEN	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	20	\$1.46 /Lamp	\$4.66 /Lamp	\$0	\$0	\$0				
90 WATT LPS ANEN	Lamps	252	\$3.20 /Lamp	\$0.07280 /kWh/lamp	35	\$2.55 /Lamp	\$5.75 /Lamp	\$806	\$643	\$1,449				
SUBTOTAL LPS ALL-NIGHT SCHEDULE		365			69			\$1,168	\$758	\$1,926				
35 WATT LPS MN	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	7	\$0.51 /Lamp	\$3.71 /Lamp	\$0	\$0	\$0				
55 WATT LPS MN	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	9	\$0.66 /Lamp	\$3.86 /Lamp	\$0	\$0	\$0				
90 WATT LPS MN	Lamps	156	\$3.20 /Lamp	\$0.07280 /kWh/lamp	17	\$1.24 /Lamp	\$4.44 /Lamp	\$499	\$193	\$692				
SUBTOTAL LPS MIDNIGHT SCHEDULE		156			33			\$499	\$193	\$692				
TOTAL LPS LAMPS		521			102			\$1,667	\$951	\$2,618				
50 WATT MH ANEN	Lamps	360	\$3.20 /Lamp	\$0.07280 /kWh/lamp	20	\$1.46 /Lamp	\$4.66 /Lamp	\$1,152	\$526	\$1,678				
70 WATT MH ANEN	Lamps	912	\$3.20 /Lamp	\$0.07280 /kWh/lamp	26	\$1.89 /Lamp	\$5.09 /Lamp	\$2,918	\$1,724	\$4,642				
100 WATT MH ANEN	Lamps	234	\$3.20 /Lamp	\$0.07280 /kWh/lamp	38	\$2.77 /Lamp	\$5.97 /Lamp	\$749	\$648	\$1,397				
175 WATT MH ANEN	Lamps	360	\$3.20 /Lamp	\$0.07280 /kWh/lamp	67	\$4.88 /Lamp	\$8.08 /Lamp	\$1,152	\$1,757	\$2,909				
250 WATT MH ANEN	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	95	\$6.92 /Lamp	\$10.12 /Lamp	\$0	\$0	\$0				
SUBTOTAL MH ALL-NIGHT SCHEDULE		1,866			246			\$5,971	\$4,655	\$10,626				
50 WATT MH MN	Lamps	204	\$3.20 /Lamp	\$0.07280 /kWh/lamp	9	\$0.66 /Lamp	\$3.86 /Lamp	\$653	\$135	\$788				
70 WATT MH MN	Lamps	696	\$3.20 /Lamp	\$0.07280 /kWh/lamp	14	\$1.02 /Lamp	\$4.22 /Lamp	\$2,227	\$710	\$2,937				
100 WATT MH MN	Lamps	12	\$3.20 /Lamp	\$0.07280 /kWh/lamp	20	\$1.46 /Lamp	\$4.66 /Lamp	\$38	\$18	\$56				
175 WATT MH MN	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	33	\$2.40 /Lamp	\$5.60 /Lamp	\$0	\$0	\$0				
SUBTOTAL MH MIDNIGHT SCHEDULE		708			67			\$2,918	\$663	\$3,581				
70 WATT MH 3AM	Lamps	48	\$3.20 /Lamp	\$0.07280 /kWh/lamp	21	\$1.53 /Lamp	\$4.73 /Lamp	\$154	\$73	\$227				
100 WATT MH 3AM	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	29	\$2.11 /Lamp	\$5.31 /Lamp	\$0	\$0	\$0				
175 WATT MH 3AM	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	61	\$3.71 /Lamp	\$6.91 /Lamp	\$0	\$0	\$0				
SUBTOTAL MH 3AM SCHEDULE		48			101			\$154	\$73	\$227				
TOTAL MH LAMPS		2,622			414			\$9,043	\$5,591	\$14,634				
10 WATT LED-underground All Night	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	3	\$0.220 /Lamp	\$3.42 /Lamp	\$0	\$0	\$0				
84 WATT LED ANEN	Lamps	24	\$3.20 /Lamp	\$0.07280 /kWh/lamp	28	\$2.040 /Lamp	\$5.24 /Lamp	\$77	\$49	\$126				
133 WATT LED All Night	Lamps	36	\$3.20 /Lamp	\$0.07280 /kWh/lamp	44	\$3.200 /Lamp	\$6.40 /Lamp	\$115	\$115	\$230				
150 WATT LED-underground All Night	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	50	\$3.640 /Lamp	\$6.84 /Lamp	\$0	\$0	\$0				
156 WATT LED-underground All Night	Lamps	0	\$3.20 /Lamp	\$0.07280 /kWh/lamp	52	\$3.790 /Lamp	\$6.99 /Lamp	\$0	\$0	\$0				
95 WATT LED ANEN	Lamps	84	\$3.20 /Lamp	\$0.07280 /kWh/lamp	32	\$2.330 /Lamp	\$5.53 /Lamp	\$269	\$196	\$465				
TOTAL LED LAMPS		144	\$3.20 /Lamp	0.0728 /kWh/lamp	208	15.22 /Lamp	\$18.420 /Lamp	\$461	\$360	\$821				
Act 141 Fixed Charge												(\$3)		
Act 141 Credit												(\$206)		
TOTAL PRESENT SL-2 REVENUE		54,766				30,684		\$175,905	\$250,580	\$426,276				



MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

			DISTRIBUTION SERVICE		ELECTRICITY SERVICE				TOTAL PROPOSED MONTHLY RATE							
TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS (LAMPS)	PROPOSED DISTRIBUTION SERVICE RATE	BILLING UNITS	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (MO. KWH)	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	2021 PROPOSED RATES	BILLING UNITS	DISTRIBUTION REVENUE	ELECTRICITY REVENUE	2021 PROPOSED REVENUES	PROPOSED REVENUE INCREASE	
															AMOUNT	PERCENT
STREETLIGHTING SERVICE - CUSTOMER OWNED AND CUSTOMER MAINTAINED SL-2																
100 WATT MV ANEN	Lamps	324	\$3.75	/Lamp	\$0.07280	/kWh/lamp	38	\$2.770	/Lamp	\$6.52	/Lamp	\$1,216	\$897	\$2,113		
175 WATT MV ANEN	Lamps	288	\$3.75	/Lamp	\$0.07280	/kWh/lamp	67	\$4.860	/Lamp	\$8.63	/Lamp	\$1,081	\$1,405	\$2,486		
250 WATT MV ANEN	Lamps	528	\$3.75	/Lamp	\$0.07280	/kWh/lamp	95	\$6.920	/Lamp	\$10.67	/Lamp	\$1,981	\$3,654	\$5,635		
400 WATT MV ANEN	Lamps	6	\$3.75	/Lamp	\$0.07280	/kWh/lamp	153	\$11.140	/Lamp	\$14.89	/Lamp	\$23	\$67	\$90		
SUBTOTAL MV ALLNIGHT SCHEDULE		1,146					353					\$4,301	\$6,023	\$10,324		
250 WATT MV MN	Lamps	36	\$3.75	/Lamp	\$0.07280	/kWh/lamp	48	\$3.490	/Lamp	\$7.24	/Lamp	\$135	\$126	\$261		
400 WATT MV MN	Lamps	18	\$3.75	/Lamp	\$0.07280	/kWh/lamp	77	\$5.610	/Lamp	\$9.36	/Lamp	\$68	\$101	\$169		
SUBTOTAL MV MIDNIGHT SCHEDULE		54					125					\$203	\$227	\$430		
400 WATT MV 10:30	Lamps	120	\$3.75	/Lamp	\$0.07280	/kWh/lamp	55	\$4.000	/Lamp	\$7.75	/Lamp	\$450	\$480	\$930		
SUBTOTAL MV 10:30 SCHEDULE		120					55					\$450	\$480	\$930		
100 WATT MV 3AM	Lamps	48	\$3.75	/Lamp	\$0.07280	/kWh/lamp	29	\$2.110	/Lamp	\$5.86	/Lamp	\$180	\$101	\$281		
SUBTOTAL MV 3AM SCHEDULE		48					29					\$180	\$101	\$281		
TOTAL MV LAMPS		1,368					562					\$5,134	\$6,831	\$11,965		
70 WATT HPS ANEN	Lamps	976	\$3.75	/Lamp	\$0.07280	/kWh/lamp	26	\$1.890	/Lamp	\$5.64	/Lamp	\$3,663	\$1,845	\$5,508		
100 WATT HPS ANEN	Lamps	3,924	\$3.75	/Lamp	\$0.07280	/kWh/lamp	38	\$2.770	/Lamp	\$6.52	/Lamp	\$14,725	\$10,889	\$25,594		
150 WATT HPS ANEN	Lamps	18,093	\$3.75	/Lamp	\$0.07280	/kWh/lamp	58	\$4.220	/Lamp	\$7.97	/Lamp	\$67,896	\$76,352	\$144,248		
100 WATT HPS UG ANEN	Lamps	72	\$3.75	/Lamp	\$0.07280	/kWh/lamp	38	\$2.770	/Lamp	\$6.52	/Lamp	\$270	\$199	\$469		
150 WATT HPS UG ANEN	Lamps	12	\$3.75	/Lamp	\$0.07280	/kWh/lamp	58	\$4.220	/Lamp	\$7.97	/Lamp	\$45	\$51	\$96		
200 WATT HPS ANEN	Lamps	2,583	\$3.75	/Lamp	\$0.07280	/kWh/lamp	77	\$5.610	/Lamp	\$9.36	/Lamp	\$9,693	\$14,480	\$24,183		
250 WATT HPS ANEN	Lamps	8,852	\$3.75	/Lamp	\$0.07280	/kWh/lamp	95	\$6.920	/Lamp	\$10.67	/Lamp	\$33,218	\$61,256	\$94,474		
400 WATT HPS ANEN	Lamps	3,263	\$3.75	/Lamp	\$0.07280	/kWh/lamp	153	\$11.140	/Lamp	\$14.89	/Lamp	\$12,245	\$36,350	\$48,595		
SUTOTAL HPS ALLNIGHT SCHEDULE		37,775					543					\$141,755	\$201,412	\$343,167		
70 WATT HPS MN	Lamps	636	\$3.75	/Lamp	\$0.07280	/kWh/lamp	14	\$1.020	/Lamp	\$4.77	/Lamp	\$2,387	\$649	\$3,036		
100 WATT HPS MN	Lamps	720	\$3.75	/Lamp	\$0.07280	/kWh/lamp	20	\$1.460	/Lamp	\$5.21	/Lamp	\$2,702	\$1,051	\$3,753		
150 WATT HPS MN	Lamps	5,619	\$3.75	/Lamp	\$0.07280	/kWh/lamp	29	\$2.110	/Lamp	\$5.86	/Lamp	\$21,086	\$11,856	\$32,942		
200 WATT HPS MN	Lamps	120	\$3.75	/Lamp	\$0.07280	/kWh/lamp	38	\$2.770	/Lamp	\$6.52	/Lamp	\$450	\$332	\$782		
250 WATT HPS MN	Lamps	1,092	\$3.75	/Lamp	\$0.07280	/kWh/lamp	48	\$3.490	/Lamp	\$7.24	/Lamp	\$4,098	\$3,611	\$7,909		
400 WATT HPS MN	Lamps	732	\$3.75	/Lamp	\$0.07280	/kWh/lamp	77	\$5.610	/Lamp	\$9.36	/Lamp	\$2,747	\$4,107	\$6,854		
SUBTOTAL HPS MIDNIGHT SCHEDULE		8,919					226					\$33,470	\$21,806	\$55,276		
70 WATT HPS 10:30	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	9	\$0.660	/Lamp	\$4.41	/Lamp	\$0	\$0	\$0		
100 WATT HPS 10:30	Lamps	24	\$3.75	/Lamp	\$0.07280	/kWh/lamp	14	\$1.020	/Lamp	\$4.77	/Lamp	\$90	\$24	\$114		
150 WATT HPS 10:30	Lamps	12	\$3.75	/Lamp	\$0.07280	/kWh/lamp	21	\$1.530	/Lamp	\$5.28	/Lamp	\$45	\$18	\$63		
200 WATT HPS 10:30	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	28	\$2.040	/Lamp	\$5.79	/Lamp	\$0	\$0	\$0		
250 WATT HPS 10:30	Lamps	48	\$3.75	/Lamp	\$0.07280	/kWh/lamp	35	\$2.550	/Lamp	\$6.30	/Lamp	\$180	\$122	\$302		
400 WATT HPS 10:30	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	55	\$4.000	/Lamp	\$7.75	/Lamp	\$0	\$0	\$0		
SUBTOTAL HPS 10:30 SCHEDULE		84					162					\$315	\$164	\$479		
70 WATT HPS 3AM	Lamps	624	\$3.75	/Lamp	\$0.07280	/kWh/lamp	21	\$1.530	/Lamp	\$5.28	/Lamp	\$2,342	\$955	\$3,297		
100 WATT HPS 3AM	Lamps	48	\$3.75	/Lamp	\$0.07280	/kWh/lamp	29	\$2.110	/Lamp	\$5.86	/Lamp	\$180	\$101	\$281		
150 WATT HPS 3AM	Lamps	1,278	\$3.75	/Lamp	\$0.07280	/kWh/lamp	44	\$3.200	/Lamp	\$6.95	/Lamp	\$4,796	\$4,090	\$8,886		
200 WATT HPS 3AM	Lamps	468	\$3.75	/Lamp	\$0.07280	/kWh/lamp	58	\$4.220	/Lamp	\$7.97	/Lamp	\$1,756	\$1,975	\$3,731		
250 WATT HPS 3AM	Lamps	420	\$3.75	/Lamp	\$0.07280	/kWh/lamp	72	\$5.240	/Lamp	\$8.99	/Lamp	\$1,576	\$2,201	\$3,777		
400 WATT HPS 3AM	Lamps	495	\$3.75	/Lamp	\$0.07280	/kWh/lamp	115	\$8.370	/Lamp	\$12.12	/Lamp	\$1,858	\$4,143	\$6,001		
SUBTOTAL HPS 3AM SCHEDULE		3,333					339					\$12,508	\$13,465	\$25,973		
TOTAL HPS LAMPS		50,111					1,270					\$188,048	\$236,847	\$424,895		

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS (LAMPS)	DISTRIBUTION SERVICE		ELECTRICITY SERVICE					TOTAL PROPOSED MONTHLY RATE		DISTRIBUTION REVENUE	ELECTRICITY REVENUE	PROPOSED REVENUES	PROPOSED REVENUE INCREASE		
			PROPOSED DISTRIBUTION SERVICE RATE	BILLING UNITS	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (MO. KWH)	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	2021 PROPOSED RATES	BILLING UNITS				AMOUNT	PERCENT	
STREETLIGHTING SERVICE - CUSTOMER OWNED AND CUSTOMER MAINTAINED SL-2																	
35 WATT LPS ANEN	Lamps	113	\$3.75	/Lamp	\$0.07280	/kWh/lamp	14	\$1.020	/Lamp	\$4.77	/Lamp	\$424	\$115	\$539			
55 WATT LPS ANEN	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	20	\$1.460	/Lamp	\$5.21	/Lamp	\$0	\$0	\$0			
90 WATT LPS ANEN	Lamps	252	\$3.75	/Lamp	\$0.07280	/kWh/lamp	35	\$2.550	/Lamp	\$6.30	/Lamp	\$946	\$643	\$1,589			
SUBTOTAL LPS ALL-NIGHT SCHEDULE		365					69					\$1,370	\$758	\$2,128			
35 WATT LPS MN	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	7	\$0.510	/Lamp	\$4.26	/Lamp	\$0	\$0	\$0			
55 WATT LPS MN	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	9	\$0.660	/Lamp	\$4.41	/Lamp	\$0	\$0	\$0			
90 WATT LPS MN	Lamps	156	\$3.75	/Lamp	\$0.07280	/kWh/lamp	17	\$1.240	/Lamp	\$4.99	/Lamp	\$585	\$193	\$778			
SUBTOTAL LPS MIDNIGHT SCHEDULE		156					33					\$585	\$193	\$778			
TOTAL LPS LAMPS		521					102					\$1,955	\$951	\$2,906			
50 WATT MH ANEN	Lamps	360	\$3.75	/Lamp	\$0.07280	/kWh/lamp	20	\$1.460	/Lamp	\$5.21	/Lamp	\$1,351	\$526	\$1,877			
70 WATT MH ANEN	Lamps	912	\$3.75	/Lamp	\$0.07280	/kWh/lamp	26	\$1.890	/Lamp	\$5.64	/Lamp	\$3,422	\$1,724	\$5,146			
100 WATT MH ANEN	Lamps	234	\$3.75	/Lamp	\$0.07280	/kWh/lamp	38	\$2.770	/Lamp	\$6.52	/Lamp	\$678	\$648	\$1,526			
175 WATT MH ANEN	Lamps	360	\$3.75	/Lamp	\$0.07280	/kWh/lamp	67	\$4.880	/Lamp	\$8.63	/Lamp	\$1,351	\$1,757	\$3,108			
250 WATT MH ANEN	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	95	\$6.920	/Lamp	\$10.67	/Lamp	\$0	\$0	\$0			
SUBTOTAL MH ALL-NIGHT SCHEDULE		1,866					246					\$7,002	\$4,655	\$11,657			
50 WATT MH MN	Lamps	204	\$3.75	/Lamp	\$0.07280	/kWh/lamp	9	\$0.660	/Lamp	\$4.41	/Lamp	\$766	\$135	\$901			
70 WATT MH MN	Lamps	696	\$3.75	/Lamp	\$0.07280	/kWh/lamp	14	\$1.020	/Lamp	\$4.77	/Lamp	\$2,612	\$710	\$3,322			
100 WATT MH MN	Lamps	12	\$3.75	/Lamp	\$0.07280	/kWh/lamp	20	\$1.460	/Lamp	\$5.21	/Lamp	\$45	\$16	\$63			
175 WATT MH MN	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	33	\$2.400	/Lamp	\$6.15	/Lamp	\$0	\$0	\$0			
SUBTOTAL MH MIDNIGHT SCHEDULE		912					67					\$3,423	\$863	\$4,286			
70 WATT MH 3AM	Lamps	48	\$3.75	/Lamp	\$0.07280	/kWh/lamp	21	\$1.530	/Lamp	\$5.28	/Lamp	\$180	\$73	\$253			
100 WATT MH 3AM	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	29	\$2.110	/Lamp	\$5.86	/Lamp	\$0	\$0	\$0			
175 WATT MH 3AM	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	51	\$3.710	/Lamp	\$7.46	/Lamp	\$0	\$0	\$0			
SUBTOTAL MH 3AM SCHEDULE		48					101					\$180	\$73	\$253			
TOTAL MH LAMPS		2,826					414					\$10,605	\$5,591	\$16,196			
10 WATT LED-underground All Night	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	3	\$0.220	/Lamp	\$3.97	/Lamp	\$0	\$0	\$0			
84 WATT LED ANEN	Lamps	24	\$3.75	/Lamp	\$0.07280	/kWh/lamp	28	\$2.040	/Lamp	\$5.79	/Lamp	\$90	\$49	\$139			
133 WATT LED All Night	Lamps	36	\$3.75	/Lamp	\$0.07280	/kWh/lamp	44	\$3.200	/Lamp	\$6.95	/Lamp	\$135	\$115	\$250			
150 WATT LED-underground All Night	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	50	\$3.640	/Lamp	\$7.39	/Lamp	\$0	\$0	\$0			
156 WATT LED-underground All Night	Lamps	0	\$3.75	/Lamp	\$0.07280	/kWh/lamp	52	\$3.790	/Lamp	\$7.54	/Lamp	\$0	\$0	\$0			
96 WATT LED ANEN	Lamps	84	\$3.75	/Lamp	\$0.07280	/kWh/lamp	32	\$2.330	/Lamp	\$6.08	/Lamp	\$315	\$196	\$511			
TOTAL LED LAMPS		144			\$	0.07280	/kWh/lamp	209	\$	15.220	/Lamp	\$18,970	\$540	\$360	\$900		
Act 141 Fixed Charge														\$	3		
Act 141 Credit												101,623 Units			\$	(242)	
TOTAL PROPOSED SL-2 REVENUE		54,970					30,684					\$206,282	\$250,580	\$456,624	30,348	7.12%	

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

			DISTRIBUTION SERVICE		ELECTRICITY SERVICE				MAINTENANCE SERVICE		TOTAL PRESENT MONTHLY RATE									
			PRESENT DISTRIBUTION SERVICE RATE	BILLING UNITS	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF BILLING UNITS (KWH)	PRESENT ELECTRICITY SERVICE RATE	BILLING UNITS	PRESENT MAINTENANCE RATE	BILLING UNITS	PRESENT RATES	BILLING UNITS	DISTRIBUTION REVENUE	ELECTRICITY REVENUE	MAINTENANCE FEE REVENUE	PRESENT REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT	
STREETLIGHTING SERVICE - CUSTOMER OWNED AND COMPANY MAINTAINED SL-3																				
OVERHEAD SERVICE																				
70 WATT HPS ANEN			Lamps	9,000	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	26	\$1.89	/Lamp	\$1.00	/Lamp	\$6.09	/Lamp	\$28,800	\$17,010	\$9,000	\$54,810	
100 WATT HPS ANEN			Lamps	35,665	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	58	\$2.77	/Lamp	\$1.00	/Lamp	\$6.97	/Lamp	\$114,768	\$99,346	\$35,665	\$249,979	
150 WATT HPS ANEN			Lamps	5,456	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	58	\$4.22	/Lamp	\$1.00	/Lamp	\$9.42	/Lamp	\$17,459	\$23,024	\$5,456	\$45,339	
200 WATT HPS ANEN			Lamps	48	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	77	\$5.61	/Lamp	\$1.00	/Lamp	\$9.81	/Lamp	\$154	\$269	\$48	\$471	
250 WATT HPS ANEN			Lamps	488	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	95	\$6.92	/Lamp	\$1.00	/Lamp	\$11.12	/Lamp	\$1,498	\$3,239	\$488	\$5,205	
SUBTOTAL HPS ALLNIGHT SCHEDULE				50,637											\$162,679	\$142,687	\$50,637	\$336,403		
70 WATT HPS MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	14	\$1.02	/Lamp	\$1.00	/Lamp	\$5.22	/Lamp	\$0	\$0	\$0	\$0	
100 WATT HPS MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	20	\$1.46	/Lamp	\$1.00	/Lamp	\$5.66	/Lamp	\$0	\$0	\$0	\$0	
150 WATT HPS MN			Lamps	252	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	29	\$2.11	/Lamp	\$1.00	/Lamp	\$6.31	/Lamp	\$806	\$932	\$252	\$1,590	
200 WATT HPS MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	38	\$2.77	/Lamp	\$1.00	/Lamp	\$6.97	/Lamp	\$0	\$0	\$0	\$0	
250 WATT HPS MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	48	\$3.49	/Lamp	\$1.00	/Lamp	\$7.69	/Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL HPS MIDNIGHT SCHEDULE				252											\$806	\$932	\$252	\$1,590		
70 WATT MH ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	26	\$1.89	/Lamp	\$1.00	/Lamp	\$6.09	/Lamp	\$0	\$0	\$0	\$0	
150 WATT MH ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	95	\$4.22	/Lamp	\$1.00	/Lamp	\$8.42	/Lamp	\$0	\$0	\$0	\$0	
250 WATT MH ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	95	\$6.92	/Lamp	\$1.00	/Lamp	\$11.12	/Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL MH ALLNIGHT SCHEDULE				0											\$0	\$0	\$0	\$0		
70 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	14	\$1.02	/Lamp	\$1.00	/Lamp	\$5.22	/Lamp	\$0	\$0	\$0	\$0	
150 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	29	\$2.11	/Lamp	\$1.00	/Lamp	\$6.31	/Lamp	\$0	\$0	\$0	\$0	
250 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	48	\$3.49	/Lamp	\$1.00	/Lamp	\$7.69	/Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL MH MIDNIGHT SCHEDULE				0											\$0	\$0	\$0	\$0		
29 WATT LED ANEN			Lamps	33	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	9	\$0.66	/Lamp	\$1.00	/Lamp	\$4.86	/Lamp	\$106	\$22	\$33	\$161	
30 WATT LED ANEN			Lamps	48	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	10	\$0.73	/Lamp	\$1.00	/Lamp	\$4.93	/Lamp	\$154	\$35	\$48	\$237	
34 WATT LED ANEN			Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	11	\$0.80	/Lamp	\$1.00	/Lamp	\$5.00	/Lamp	\$38	\$10	\$12	\$60	
36 WATT LED ANEN			Lamps	24	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	13	\$0.95	/Lamp	\$1.00	/Lamp	\$5.15	/Lamp	\$77	\$23	\$24	\$124	
53 WATT LED ANEN			Lamps	36	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	18	\$1.31	/Lamp	\$1.00	/Lamp	\$5.51	/Lamp	\$115	\$47	\$36	\$198	
56 WATT LED ANEN			Lamps	132	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	19	\$1.38	/Lamp	\$1.00	/Lamp	\$5.58	/Lamp	\$422	\$182	\$132	\$736	
64 WATT LED ANEN			Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	21	\$1.53	/Lamp	\$1.00	/Lamp	\$5.73	/Lamp	\$38	\$18	\$12	\$68	
73 WATT LED ANEN			Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	24	\$1.75	/Lamp	\$1.00	/Lamp	\$5.95	/Lamp	\$38	\$21	\$12	\$71	
76 WATT LED ANEN			Lamps	264	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	25	\$1.82	/Lamp	\$1.00	/Lamp	\$6.02	/Lamp	\$845	\$480	\$264	\$1,589	
82 WATT LED ANEN			Lamps	36	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	27	\$1.97	/Lamp	\$1.00	/Lamp	\$6.17	/Lamp	\$115	\$71	\$36	\$222	
95 WATT LED ANEN			Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	32	\$2.33	/Lamp	\$1.00	/Lamp	\$6.53	/Lamp	\$38	\$28	\$12	\$78	
100 WATT LED ANEN			Lamps	96	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	33	\$2.40	/Lamp	\$1.00	/Lamp	\$6.60	/Lamp	\$307	\$230	\$96	\$633	
110 WATT LED ANEN			Lamps	60	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	37	\$2.69	/Lamp	\$1.00	/Lamp	\$6.89	/Lamp	\$192	\$161	\$60	\$413	
150 WATT LED ANEN			Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	50	\$3.64	/Lamp	\$1.00	/Lamp	\$7.84	/Lamp	\$38	\$44	\$12	\$64	
SUBTOTAL LED ALLNIGHT SCHEDULE				789											\$2,523	\$1,372	\$789	\$4,684		
TOTAL OVERHEAD				51,878											\$166,008	\$144,792	\$51,878	\$362,678		
UNDERGROUND SERVICE																				
70 WATT HPS ANEN			Lamps	3,360	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	26	\$1.89	/Lamp	\$1.00	/Lamp	\$6.09	/Lamp	\$10,752	\$6,350	\$3,360	\$20,482	
71.2 WATT HPS ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	28	\$2.04	/Lamp	\$1.00	/Lamp	\$6.24	/Lamp	\$0	\$0	\$0	\$0	
76 WATT HPS ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	29	\$2.11	/Lamp	\$1.00	/Lamp	\$6.31	/Lamp	\$0	\$0	\$0	\$0	
82 WATT HPS ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	31	\$2.28	/Lamp	\$1.00	/Lamp	\$6.46	/Lamp	\$0	\$0	\$0	\$0	
100 WATT HPS ANEN			Lamps	30,475	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	38	\$2.77	/Lamp	\$1.00	/Lamp	\$6.97	/Lamp	\$97,520	\$84,416	\$30,475	\$212,411	
150 WATT HPS ANEN			Lamps	11,064	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	58	\$4.22	/Lamp	\$1.00	/Lamp	\$9.42	/Lamp	\$38,285	\$50,488	\$11,064	\$100,737	
200 WATT HPS ANEN			Lamps	206	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	77	\$5.61	/Lamp	\$1.00	/Lamp	\$9.81	/Lamp	\$2,995	\$5,251	\$206	\$9,382	
250 WATT HPS ANEN			Lamps	1,088	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	95	\$6.92	/Lamp	\$1.00	/Lamp	\$11.12	/Lamp	\$3,802	\$8,221	\$1,088	\$13,211	
400 WATT HPS ANEN			Lamps	96	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	153	\$11.14	/Lamp	\$1.00	/Lamp	\$15.34	/Lamp	\$307	\$1,069	\$96	\$1,472	
SUBTOTAL HPS ALLNIGHT SCHEDULE				48,019											\$153,691	\$155,795	\$48,019	\$337,475		
100 WATT HPS MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	20	\$1.46	/Lamp	\$1.00	/Lamp	\$5.66	/Lamp	\$0	\$0	\$0	\$0	
150 WATT HPS MN			Lamps	420	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	29	\$2.11	/Lamp	\$1.00	/Lamp	\$6.31	/Lamp	\$1,344	\$886	\$420	\$2,650	
250 WATT HPS MN			Lamps	12	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	48	\$3.49	/Lamp	\$1.00	/Lamp	\$7.69	/Lamp	\$38	\$42	\$12	\$62	
SUBTOTAL HPS MIDNIGHT SCHEDULE				432											\$1,382	\$928	\$432	\$2,742		
175 WATT MV ANEN			Lamps	2,400	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	67	\$4.88	/Lamp	\$1.00	/Lamp	\$9.08	/Lamp	\$7,680	\$11,712	\$2,400	\$21,792	
250 WATT MV ANEN			Lamps	462	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	95	\$6.92	/Lamp	\$1.00	/Lamp	\$11.12	/Lamp	\$1,478	\$3,197	\$462	\$5,137	
SUBTOTAL MV ALLNIGHT SCHEDULE				2,862											\$9,158	\$14,909	\$2,862	\$26,929		
70 WATT MH ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	26	\$1.89	/Lamp	\$1.00	/Lamp	\$6.09	/Lamp	\$0	\$0	\$0	\$0	
100 WATT MH ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	38	\$2.77	/Lamp	\$1.00	/Lamp	\$6.97	/Lamp	\$0	\$0	\$0	\$0	
150 WATT MH ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	58	\$4.22	/Lamp	\$1.00	/Lamp	\$9.42	/Lamp	\$0	\$0	\$0	\$0	
175 WATT MH ANEN			Lamps	1,068	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	67	\$4.88	/Lamp	\$1.00	/Lamp	\$9.08	/Lamp	\$3,418	\$5,212	\$1,068	\$9,698	
250 WATT MH ANEN			Lamps	108	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	95	\$6.92	/Lamp	\$1.00	/Lamp	\$11.12	/Lamp	\$346	\$747	\$108	\$1,201	
SUBTOTAL MH ALLNIGHT SCHEDULE				1,176											\$3,764	\$5,959	\$1,176	\$10,696		
70 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	14	\$1.02	/Lamp	\$1.00	/Lamp	\$5.22	/Lamp	\$0	\$0	\$0	\$0	
100 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	20	\$1.46	/Lamp	\$1.00	/Lamp	\$5.66	/Lamp	\$0	\$0	\$0	\$0	
150 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	29	\$2.11	/Lamp	\$1.00	/Lamp	\$6.31	/Lamp	\$0	\$0	\$0	\$0	
175 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	33	\$2.40	/Lamp	\$1.00	/Lamp	\$6.60	/Lamp	\$0	\$0	\$0	\$0	
250 WATT MH MN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	48	\$3.49	/Lamp	\$1.00	/Lamp	\$7.69	/Lamp	\$0	\$0	\$0	\$0	
SUBTOTAL MH MIDNIGHT SCHEDULE				0											\$0	\$0	\$0	\$0		
29 WATT LED ANEN			Lamps	312	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	9	\$0.66	/Lamp	\$1.00	/Lamp	\$4.86	/Lamp	\$998	\$206	\$312	\$1,516	
30 WATT LED ANEN			Lamps	72	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	10	\$0.73	/Lamp	\$1.00	/Lamp	\$4.93	/Lamp	\$230	\$53	\$72	\$355	
34 WATT LED ANEN			Lamps	0	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	11	\$0.80	/Lamp	\$1.00	/Lamp	\$5.00	/Lamp	\$0	\$0	\$0	\$0	
36 WATT LED ANEN			Lamps	240	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	13	\$0.95	/Lamp	\$1.00	/Lamp	\$5.15	/Lamp	\$768	\$228	\$240	\$1,236	
42 WATT LED ANEN			Lamps	168	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	14	\$1.02	/Lamp	\$1.00	/Lamp	\$5.22	/Lamp	\$538	\$171	\$168	\$877	
48 WATT LED ANEN			Lamps	312	\$3.20	/Lamp	\$0.07280	/kWh/Lamp	16	\$1.16	/Lamp	\$1.00	/							

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

			DISTRIBUTION SERVICE		ELECTRICITY SERVICE				MAINTENANCE SERVICE		TOTAL PROPOSED MONTHLY RATE		DISTRIBUTION ELECTRICITY MAINTENANCE FEE		PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT PERCENT		
TYPE OF SERVICE	BILLING UNITS	NUMBER OF (LAMPS)	PROPOSED DISTRIBUTION SERVICE RATE	BILLING UNITS	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	NUMBER OF PROPOSED BILLING UNITS (MO. KWH)	PROPOSED ELECTRICITY SERVICE RATE	BILLING UNITS	PROPOSED MAINTENANCE RATE	BILLING UNITS	PROPOSED RATES	BILLING UNITS	REVENUE	REVENUE	REVENUE		
STREETLIGHTING SERVICE - CUSTOMER OWNED AND COMPANY MAINTAINED SL-3																		
OVERHEAD SERVICE																		
70 WATT HPS ANEN	Lamps	9,000	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	26	\$1.89 /Lamp	\$1.00 /Lamp	\$6.64 /Lamp	\$33.774	\$17,010	\$9,000	\$59.784						
100 WATT HPS ANEN	Lamps	35,865	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	38	\$2.77 /Lamp	\$1.00 /Lamp	\$7.52 /Lamp	\$134,588	\$99,346	\$35,865	\$269,799						
150 WATT HPS ANEN	Lamps	5,456	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	58	\$4.22 /Lamp	\$1.00 /Lamp	\$8.97 /Lamp	\$20,474	\$23,024	\$5,456	\$48.954						
200 WATT HPS ANEN	Lamps	48	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	77	\$5.61 /Lamp	\$1.00 /Lamp	\$10.36 /Lamp	\$180	\$269	\$48	\$487						
250 WATT HPS ANEN	Lamps	488	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	95	\$6.92 /Lamp	\$1.00 /Lamp	\$11.67 /Lamp	\$1,758	\$3,236	\$488	\$5,483						
SUBTOTAL HPS ALLNIGHT SCHEDULE		50,837							\$190,772	\$142,888	\$50,837	\$384,497						
70 WATT HPS MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	14	\$1.02 /Lamp	\$1.00 /Lamp	\$5.77 /Lamp	\$0	\$0	\$0	\$0						
100 WATT HPS MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	20	\$1.46 /Lamp	\$1.00 /Lamp	\$6.21 /Lamp	\$0	\$0	\$0	\$0						
150 WATT HPS MN	Lamps	252	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	29	\$2.11 /Lamp	\$1.00 /Lamp	\$6.86 /Lamp	\$946	\$532	\$252	\$1,730						
200 WATT HPS MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	38	\$2.77 /Lamp	\$1.00 /Lamp	\$7.52 /Lamp	\$0	\$0	\$0	\$0						
250 WATT HPS MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	48	\$3.49 /Lamp	\$1.00 /Lamp	\$8.24 /Lamp	\$0	\$0	\$0	\$0						
SUBTOTAL HPS MIDNIGHT SCHEDULE		252							\$946	\$532	\$252	\$1,730						
70 WATT MH ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	26	\$1.89 /Lamp	\$1.00 /Lamp	\$6.64 /Lamp	\$0	\$0	\$0	\$0						
150 WATT MH ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	58	\$4.22 /Lamp	\$1.00 /Lamp	\$8.97 /Lamp	\$0	\$0	\$0	\$0						
250 WATT MH ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	95	\$6.92 /Lamp	\$1.00 /Lamp	\$11.67 /Lamp	\$0	\$0	\$0	\$0						
SUBTOTAL MH ALLNIGHT SCHEDULE		0							\$0	\$0	\$0	\$0						
70 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	14	\$1.02 /Lamp	\$1.00 /Lamp	\$5.77 /Lamp	\$0	\$0	\$0	\$0						
150 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	29	\$2.11 /Lamp	\$1.00 /Lamp	\$6.86 /Lamp	\$0	\$0	\$0	\$0						
250 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	48	\$3.49 /Lamp	\$1.00 /Lamp	\$8.24 /Lamp	\$0	\$0	\$0	\$0						
SUBTOTAL MH MIDNIGHT SCHEDULE		0							\$0	\$0	\$0	\$0						
29 WATT LED ANEN	Lamps	33	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	9	\$0.66 /Lamp	\$1.00 /Lamp	\$5.41 /Lamp	\$124	\$22	\$33	\$179						
30 WATT LED ANEN	Lamps	48	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	10	\$0.73 /Lamp	\$1.00 /Lamp	\$5.48 /Lamp	\$180	\$35	\$48	\$263						
34 WATT LED ANEN	Lamps	12	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	11	\$0.80 /Lamp	\$1.00 /Lamp	\$5.55 /Lamp	\$145	\$10	\$12	\$67						
39 WATT LED ANEN	Lamps	24	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	13	\$0.95 /Lamp	\$1.00 /Lamp	\$5.70 /Lamp	\$90	\$23	\$24	\$137						
53 WATT LED ANEN	Lamps	36	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	18	\$1.31 /Lamp	\$1.00 /Lamp	\$6.06 /Lamp	\$135	\$47	\$36	\$218						
56 WATT LED ANEN	Lamps	132	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	19	\$1.38 /Lamp	\$1.00 /Lamp	\$6.13 /Lamp	\$495	\$192	\$132	\$809						
64 WATT LED ANEN	Lamps	12	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	21	\$1.53 /Lamp	\$1.00 /Lamp	\$6.28 /Lamp	\$445	\$18	\$12	\$75						
73 WATT LED ANEN	Lamps	12	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	24	\$1.75 /Lamp	\$1.00 /Lamp	\$6.50 /Lamp	\$445	\$21	\$12	\$78						
76 WATT LED ANEN	Lamps	264	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	25	\$1.82 /Lamp	\$1.00 /Lamp	\$6.57 /Lamp	\$991	\$480	\$264	\$1,735						
82 WATT LED ANEN	Lamps	36	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	27	\$1.97 /Lamp	\$1.00 /Lamp	\$6.72 /Lamp	\$135	\$71	\$36	\$242						
95 WATT LED ANEN	Lamps	12	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	32	\$2.33 /Lamp	\$1.00 /Lamp	\$7.08 /Lamp	\$45	\$28	\$12	\$85						
100 WATT LED ANEN	Lamps	96	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	33	\$2.40 /Lamp	\$1.00 /Lamp	\$7.15 /Lamp	\$360	\$300	\$96	\$696						
110 WATT LED ANEN	Lamps	60	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	37	\$2.69 /Lamp	\$1.00 /Lamp	\$7.44 /Lamp	\$225	\$161	\$60	\$446						
150 WATT LED ANEN	Lamps	12	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	50	\$3.64 /Lamp	\$1.00 /Lamp	\$8.39 /Lamp	\$45	\$44	\$12	\$101						
SUBTOTAL LED ALLNIGHT SCHEDULE		788							\$2,989	\$1,372	\$788	\$5,151						
TOTAL OVERHEAD		51,878							\$194,678	\$144,792	\$51,878	\$391,348						
UNDERGROUND SERVICE																		
70 WATT HPS ANEN	Lamps	3,360	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	26	\$1.89 /Lamp	\$1.00 /Lamp	\$6.64 /Lamp	\$12,609	\$6,350	\$3,360	\$22,319						
71.2 WATT HPS ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	29	\$2.04 /Lamp	\$1.00 /Lamp	\$6.79 /Lamp	\$0	\$0	\$0	\$0						
76 WATT HPS ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	29	\$2.11 /Lamp	\$1.00 /Lamp	\$6.86 /Lamp	\$0	\$0	\$0	\$0						
82 WATT HPS ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	31	\$2.26 /Lamp	\$1.00 /Lamp	\$7.01 /Lamp	\$0	\$0	\$0	\$0						
100 WATT HPS ANEN	Lamps	30,475	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	38	\$2.77 /Lamp	\$1.00 /Lamp	\$7.52 /Lamp	\$114,361	\$84,416	\$30,475	\$229,252						
150 WATT HPS ANEN	Lamps	11,964	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	58	\$4.22 /Lamp	\$1.00 /Lamp	\$8.97 /Lamp	\$44,896	\$50,488	\$11,964	\$107,348						
200 WATT HPS ANEN	Lamps	936	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	77	\$5.61 /Lamp	\$1.00 /Lamp	\$10.36 /Lamp	\$3,512	\$5,251	\$936	\$9,699						
250 WATT HPS ANEN	Lamps	1,188	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	95	\$6.92 /Lamp	\$1.00 /Lamp	\$11.67 /Lamp	\$4,458	\$6,221	\$1,188	\$13,867						
400 WATT HPS ANEN	Lamps	96	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	153	\$11.14 /Lamp	\$1.00 /Lamp	\$15.89 /Lamp	\$360	\$1,069	\$96	\$1,525						
SUBTOTAL HPS ALLNIGHT SCHEDULE		48,019							\$180,196	\$155,795	\$48,019	\$384,010						
100 WATT HPS MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	20	\$1.46 /Lamp	\$1.00 /Lamp	\$6.21 /Lamp	\$0	\$0	\$0	\$0						
150 WATT HPS MN	Lamps	420	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	29	\$2.11 /Lamp	\$1.00 /Lamp	\$6.86 /Lamp	\$1,576	\$886	\$420	\$2,882						
250 WATT HPS MN	Lamps	12	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	48	\$3.49 /Lamp	\$1.00 /Lamp	\$8.24 /Lamp	\$4,008	\$5,212	\$12	\$89						
SUBTOTAL HPS MIDNIGHT SCHEDULE		432							\$1,621	\$928	\$432	\$2,881						
175 WATT MV ANEN	Lamps	2,400	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	67	\$4.88 /Lamp	\$1.00 /Lamp	\$9.63 /Lamp	\$8,006	\$11,712	\$2,400	\$23,118						
250 WATT MV ANEN	Lamps	462	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	95	\$6.92 /Lamp	\$1.00 /Lamp	\$11.67 /Lamp	\$1,734	\$3,197	\$462	\$5,393						
SUBTOTAL MV ALLNIGHT SCHEDULE		2,862							\$10,740	\$14,909	\$2,862	\$28,511						
70 WATT MH ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	26	\$1.89 /Lamp	\$1.00 /Lamp	\$6.64 /Lamp	\$0	\$0	\$0	\$0						
100 WATT MH ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	38	\$2.77 /Lamp	\$1.00 /Lamp	\$7.52 /Lamp	\$0	\$0	\$0	\$0						
150 WATT MH ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	58	\$4.22 /Lamp	\$1.00 /Lamp	\$8.97 /Lamp	\$0	\$0	\$0	\$0						
175 WATT MH ANEN	Lamps	1,068	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	67	\$4.88 /Lamp	\$1.00 /Lamp	\$9.63 /Lamp	\$4,008	\$5,212	\$1,068	\$10,288						
250 WATT MH ANEN	Lamps	108	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	95	\$6.92 /Lamp	\$1.00 /Lamp	\$11.67 /Lamp	\$405	\$747	\$108	\$1,280						
SUBTOTAL MH ALLNIGHT SCHEDULE		1,176							\$4,413	\$5,959	\$1,176	\$11,548						
70 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	14	\$1.02 /Lamp	\$1.00 /Lamp	\$5.77 /Lamp	\$0	\$0	\$0	\$0						
100 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	20	\$1.46 /Lamp	\$1.00 /Lamp	\$6.21 /Lamp	\$0	\$0	\$0	\$0						
150 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	29	\$2.11 /Lamp	\$1.00 /Lamp	\$6.86 /Lamp	\$0	\$0	\$0	\$0						
175 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	33	\$2.40 /Lamp	\$1.00 /Lamp	\$7.15 /Lamp	\$0	\$0	\$0	\$0						
250 WATT MH MN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	48	\$3.49 /Lamp	\$1.00 /Lamp	\$8.24 /Lamp	\$0	\$0	\$0	\$0						
SUBTOTAL MH MIDNIGHT SCHEDULE		0							\$0	\$0	\$0	\$0						
29 WATT LED ANEN	Lamps	312	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	9	\$0.66 /Lamp	\$1.00 /Lamp	\$5.41 /Lamp	\$1,171	\$206	\$312	\$1,689						
30 WATT LED ANEN	Lamps	72	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	10	\$0.73 /Lamp	\$1.00 /Lamp	\$5.48 /Lamp	\$370	\$53	\$72	\$395						
34 WATT LED ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	11	\$0.80 /Lamp	\$1.00 /Lamp	\$5.55 /Lamp	\$0	\$0	\$0	\$0						
39 WATT LED ANEN	Lamps	240	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	13	\$0.95 /Lamp	\$1.00 /Lamp	\$5.70 /Lamp	\$901	\$228	\$240	\$1,369						
42 WATT LED ANEN	Lamps	168	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	14	\$1.02 /Lamp	\$1.00 /Lamp	\$5.77 /Lamp	\$630	\$171	\$168	\$969						
48 WATT LED ANEN	Lamps	312	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	16	\$1.16 /Lamp	\$1.00 /Lamp	\$5.91 /Lamp	\$1,171	\$362	\$312	\$1,845						
51 WATT LED ANEN	Lamps	24	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	17	\$1.24 /Lamp	\$1.00 /Lamp	\$5.99 /Lamp	\$90	\$30	\$24	\$144						
53 WATT LED ANEN	Lamps	132	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	18	\$1.31 /Lamp	\$1.00 /Lamp	\$6.06 /Lamp	\$496	\$173	\$132	\$880						
56 WATT LED ANEN	Lamps	0	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	19	\$1.38 /Lamp	\$1.00 /Lamp	\$6.13 /Lamp	\$0	\$0	\$0	\$0						
64 WATT LED ANEN	Lamps	120	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	21	\$1.53 /Lamp	\$1.00 /Lamp	\$6.28 /Lamp	\$270	\$110	\$120	\$452						
66 WATT LED ANEN	Lamps	78	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	22	\$1.60 /Lamp	\$1.00 /Lamp	\$6.35 /Lamp	\$675	\$288	\$180	\$1,143						
70 WATT LED ANEN	Lamps	444	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	23	\$1.67 /Lamp	\$1.00 /Lamp	\$6.42 /Lamp	\$1,666	\$741	\$444	\$2,851						
71.2 WATT LED ANEN	Lamps	264	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	24	\$1.75 /Lamp	\$1.00 /Lamp	\$6.50 /Lamp	\$991	\$462	\$264	\$1,717						
76 WATT LED ANEN	Lamps	36	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	25	\$1.82 /Lamp	\$1.00 /Lamp	\$6.57 /Lamp	\$135	\$68	\$36	\$237						
80 WATT LED ANEN	Lamps	132	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	27	\$1.97 /Lamp	\$1.00 /Lamp	\$6.72 /Lamp	\$405	\$200	\$132	\$887						
82 WATT LED ANEN	Lamps	48	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	27	\$1.97 /Lamp	\$1.00 /Lamp	\$6.72 /Lamp	\$180	\$95	\$48	\$323						
92 WATT LED ANEN	Lamps	744	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	31	\$2.26 /Lamp	\$1.00 /Lamp	\$7.01 /Lamp	\$2,792	\$1,681	\$744	\$5,217						
100 WATT LED ANEN	Lamps	216	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	33	\$2.40 /Lamp	\$1.00 /Lamp	\$7.15 /Lamp	\$811	\$518	\$216	\$1,545						
101 WATT LED ANEN	Lamps	948	\$3.75 /Lamp	\$0.07280 /kWh/Lamp	34	\$2.48 /Lamp	\$1.00 /Lamp	\$7.23 /Lamp	\$3,557	\$2,351	\$948	\$6,856						
120 WATT LED ANEN	L																	

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES		PRESENT REVENUES	2021 PROPOSED RATES		2021 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
CG-2										
RER Renewable Resource Revenue - Assigned	kWh	29,354,405	NA	variable per kWh	NA	NA	variable per kWh	\$1,914,987	NA	NA
RER Renewable Resource Revenue - Unassigned	kWh	1,221,110								
CG-4										
RER Renewable Resource Revenue - Assigned	kWh	4,340,931	NA	variable per kWh	NA	NA	variable per kWh	\$286,993	NA	NA
RER Renewable Resource Revenue - Unassigned	kWh	239,222								
CG-4										
RER Renewable Resource Revenue - Assigned	kWh	10,834,025	NA	variable per kWh	NA	NA	variable per kWh	\$716,343	NA	NA
RER Renewable Resource Revenue - Unassigned	kWh	545,871								
CG-6										
RER Renewable Resource Revenue - Assigned	kWh	11,015,967	NA	variable per kWh	NA	NA	variable per kWh	\$725,817	NA	NA
RER Renewable Resource Revenue - Unassigned	kWh	710,599								
SP-3										
RER Renewable Resource Revenue - Assigned	kWh	19,755,266	NA	variable per kWh	NA	NA	variable per kWh	\$1,145,805	NA	NA
RER Renewable Resource Revenue - Unassigned	kWh	0								
<b>TOTAL</b>		<b>78,017,397</b>			<b>\$4,789,944</b>			<b>4,789,944</b>		
Total Cs-1 Electricity Service Revenue Assigned		75,300,594			\$4,789,944			\$4,789,944		0.00%

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>ALTERNATIVE GENERATION SCHEDULE - AGS</b>								
<b>SUMMER</b>								
<b>Firm Standby</b>								
Maximum Monthly Demand	kW/day	0	\$0.45203 per kW per day	\$0	\$0.47463 per kW per day	\$0		
On-Peak 2 Energy Adder	kWh	0	\$0.04595 per kWh	\$0	\$0.03103 per kWh	\$0		
On-Peak 1 and 3 Energy Adder	kWh	0	\$0.02668 per kWh	\$0	\$0.02587 per kWh	\$0		
Base Energy	kWh	0	\$0.04930 per kWh	\$0	\$0.05159 per kWh	\$0		
<b>Interruptible Standby Charge</b>								
Maximum Monthly Demand	kW/day	0	\$0.32052 per kW per day	\$0	\$0.34312 per kW per day	\$0		
On-Peak 2 Energy Adder	kWh	0	\$0.04595 per kWh	\$0	\$0.03103 per kWh	\$0		
On-Peak 1 and 3 Energy Adder	kWh	0	\$0.02668 per kWh	\$0	\$0.02587 per kWh	\$0		
Base Energy	kWh	0	\$0.04930 per kWh	\$0	\$0.05159 per kWh	\$0		
<b>WINTER</b>								
<b>Firm Standby</b>								
Maximum Monthly Demand	kW/day	0	\$0.37362 per kW per day	\$0	\$0.39230 per kW per day	\$0		
On-Peak 2 Energy Adder	kWh	0	\$0.01596 per kWh	\$0	\$0.01880 per kWh	\$0		
On-Peak 1 and 3 Energy Adder	kWh	0	\$0.02270 per kWh	\$0	\$0.02294 per kWh	\$0		
Base Energy	kWh	0	\$0.04930 per kWh	\$0	\$0.05159 per kWh	\$0		
<b>Interruptible Standby Charge</b>								
Maximum Monthly Demand	kW/day	0	\$0.24211 per kW per day	\$0	\$0.26079 per kW per day	\$0		
On-Peak 2 Energy Adder	kWh	0	\$0.01596 per kWh	\$0	\$0.01880 per kWh	\$0		
On-Peak 1 and 3 Energy Adder	kWh	0	\$0.02270 per kWh	\$0	\$0.02294 per kWh	\$0		
Base Energy	kWh	0	\$0.04930 per kWh	\$0	\$0.05159 per kWh	\$0		
<b>Firm Maintenance - Winter Only</b>								
Maximum Monthly Demand	kW/day	0	\$0.37362 per kW per day	\$0	\$0.39230 per kW per day	\$0		
On-Peak 2 Energy Adder	kWh	0	\$0.01596 per kWh	\$0	\$0.01880 per kWh	\$0		
On-Peak 1 and 3 Energy Adder	kWh	0	\$0.02270 per kWh	\$0	\$0.02294 per kWh	\$0		
Base Energy	kWh	0	\$0.04930 per kWh	\$0	\$0.05159 per kWh	\$0		
<b>Interruptible Maintenance - Winter Only</b>								
Maximum Monthly Demand	kW/day	0	\$0.24211 per kW per day	\$0	\$0.26079 per kW per day	\$0		
On-Peak 2 Energy Adder	kWh	0	\$0.01596 per kWh	\$0	\$0.01880 per kWh	\$0		
On-Peak 1 and 3 Energy Adder	kWh	0	\$0.02270 per kWh	\$0	\$0.02294 per kWh	\$0		
Base Energy	kWh	0	\$0.04930 per kWh	\$0	\$0.05159 per kWh	\$0		
<b>TOTAL ALTERNATIVE GENERATION SCHEDULE - AGS</b>				\$0		\$0	\$0	0.00%

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2021 PROPOSED RATES	2021 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
RG-1								
Shared Solar Transmission Revenue					\$0.00800	\$38,855		
Renewable Resource Revenue - Shared Solar		4,856,875	NA	NA	\$0.10100 Variable per kWh	\$490,544		
25-Year Levelized Rate (Net of Transmission)					\$0.07600	\$369,123		
25-Year Locked-in Standby Rate					\$0.02500	\$121,422		
RG-2								
Shared Solar Transmission Revenue					\$0.00800	\$2,918		
Renewable Resource Revenue - Shared Solar		364,703			\$0.10100 Variable per kWh	\$36,835		
25-Year Levelized Rate (Net of Transmission)					\$0.07600	\$27,717		
25-Year Locked-in Standby Rate					\$0.02500	\$9,118		
CG-3								
Shared Solar Transmission Revenue					\$0.00800	\$154		
Renewable Resource Revenue - Shared Solar		19,310			\$0.10170 Variable per kWh	\$1,950		
25-Year Levelized Rate (Net of Transmission)					\$0.07600	\$1,468		
25-Year Locked-in Standby Rate					\$0.02500	\$483		
CG-4								
Renewable Resource Revenue - Shared Solar		864,200			\$0.00000	\$0		
25-Year Levelized Rate (Net of Transmission)					\$0.07600 Variable per kWh	\$65,679		
25-Year Locked-in Standby Rate					\$0.07600	\$65,679		
					\$0.00000	\$0		
CG-4								
Renewable Resource Revenue - Shared Solar		550,777			\$0.00000	\$0		
25-Year Levelized Rate (Net of Transmission)					\$0.07600 Variable per kWh	\$41,859		
25-Year Locked-in Standby Rate					\$0.07600	\$41,859		
					\$0.00000	\$0		
CG-5								
Shared Solar Transmission Revenue					\$0.00800	\$2,831		
Renewable Resource Revenue - Shared Solar		353,881			\$0.10170 Variable per kWh	\$35,742		
25-Year Levelized Rate (Net of Transmission)					\$0.07600	\$26,895		
25-Year Locked-in Standby Rate					\$0.02500	\$8,847		
Shared Solar Transmission Revenue						\$44,758		
Shared Solar Renewable Resource Revenue						\$672,610		
<b>TOTAL</b>		<b>7,009,747</b>		<b>\$717,368</b>		<b>\$717,368</b>		<b>0.00%</b>

Total Cs-1 Electricity Service Revenue

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>BACK-UP GENERATION SERVICE (BGS)</b>								
DIESEL GENERATORS								
Continuing Contract	kW	0	\$0.04932 per kW per day	\$0	\$0.04932 per kW per day	\$0		
	365 days		\$1.50 per kW		\$1.50 per kW			
Renewed Contracts Prior to 1/1/2010		0	\$0.06575 per kW per day	\$0	\$0.06575 per kW per day	\$0		
			\$2.00 per kW		\$2.00 per kW			
Renewed Contracts On or After 1/1/2010		631,316	\$0.09863 per kW per day	\$1,893,947	\$0.09863 per kW per day	\$1,893,947		
			\$3.00 per kW		\$3.00 per kW			
NATURAL GAS GENERATORS								
Renewed Contracts On or After 1/1/2010		0	\$0.16438 per kW per day	\$0	\$0.16438 per kW per day	\$0		
			\$5.00 per kW		\$5.00 per kW			
<b>TOTALS</b>		<b>631,316</b>		<b>\$1,893,947</b>		<b>\$1,893,947</b>	<b>\$0</b>	<b>0.00%</b>



MADISON GAS AND ELECTRIC COMPANY  
#REF!  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
#REF!

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>HOME ELECTRIC VEHICLE CHARGING RIDER: EV-1</u>								
CUSTOMER CHARGE	Bills	1,707	\$0.64145 per bill per day	\$33,305	\$0.64145 per bill per day	\$33,305		
	Days	365	\$19.51 per bill per month		\$19.51 per bill per month			
TOTALS EV-1		365		\$33,305		\$33,305	\$0	0.00%

MADISON GAS AND ELECTRIC COMPANY  
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SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>ELECTRIC VEHICLE PUBLIC CHARGING PILOT RIDER: EV-2</u>								
Level 1 and 2 Charging								
Subscribers	Hours	4,631	\$0.0167 per Minute	\$4,640	\$0.0167 per Minute	\$4,640		
Non-Subscribers	Hours	6,838	\$0.0333 per Minute	\$13,662	\$0.0333 per Minute	\$13,662		
DC Fast Charging								
Subscribers	Hours	656	\$0.0415 per Minute	\$1,633	\$0.0415 per Minute	\$1,633		
Non-Subscribers	Hours	1,530	\$0.0830 per Minute	\$7,620	\$0.0830 per Minute	\$7,620		
<b>TOTAL EV-2</b>				<b>\$27,555</b>		<b>\$27,555</b>	<b>\$0</b>	<b>0.00%</b>

MADISON GAS AND ELECTRIC COMPANY  
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ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>INTERDEPARTMENTAL RESIDENTIAL SERVICE Rg-1</u>								
CUSTOMER CHARGE	Bills	0	\$0.62466 per bill per day	\$0	\$0.55891 per bill per day	\$0		
	Days	365	\$19.00 per bill per month		\$17.00 per bill per month			
DISTRIBUTION SERVICE								
Distribution Charge	kWh	0	\$0.03356 per kWh	\$0	\$0.05017 per kWh	\$0		
<u>DISTRIBUTION SERVICE TOTAL</u>				<u>\$0</u>		<u>\$0</u>		
ELECTRICITY SERVICE								
Winter Electricity	kWh	0	\$0.00000 per kWh	\$0	\$0.00000 per kWh	\$0		
Summer Electricity	kWh	0	\$0.00800 per kWh	\$0	\$0.00800 per kWh	\$0		
Act 141 Fixed Charge	Fixed			\$0		\$0		
Act 141 Credit	kWh	0	\$0.00000 per kWh	\$0	\$0.00000 per kWh	\$0		
<u>ELECTRICITY SERVICE TOTAL</u>				<u>\$0</u>		<u>\$0</u>		
TOTAL Rg-1 (Interdepartmental)		0		\$0		\$0	\$0	

MADISON GAS AND ELECTRIC COMPANY  
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SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>INTERDEPARTMENTAL SMALL C/I LIGHTING AND POWER Cg-5 (0-20 kW)</u>								
CUSTOMER CHARGE	Bills	806	\$0.78669 per day per bill	\$19,286	\$0.78584 per day per bill	\$19,265		
	Day	365	\$23.93 per bill per month		\$23.90 per bill per month			
DISTRIBUTION SERVICE								
Distribution Charge	kWh	241,429	\$0.02295 per kWh	\$5,541	\$0.02947 per kWh	\$7,115		
DISTRIBUTION SERVICE TOTAL		241,429		\$5,541		\$7,115		
ELECTRICITY SERVICE								
Winter Electricity	kWh	176,647	\$0.09082 per kWh	\$16,043	\$0.09175 per kWh	\$16,207		
Summer Electricity	kWh	64,782	\$0.10224 per kWh	\$6,623	\$0.09175 per kWh	\$5,944		
GPT		12,724	\$0.01000 per kWh	\$127	\$0.01000	\$127		
Act 141 Fixed Charge	Fixed							
Act 141 Credit	kWh	0	(\$0.00238) per kWh	\$0	per kWh	\$0		
ELECTRICITY SERVICE TOTAL								
		241,429		\$22,793		\$22,278		
TOTAL Cg-5 INTERDEPARTMENTAL								
		241,429		\$47,620		\$48,658	\$1,038	2.18%

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
INTERDEPARTMENTAL C/I LIGHTING AND POWER TIME-OF-USE SERVICE Cg-4 LEVEL A (20-75 kW)								
CUSTOMER CHARGE								
Single Phase	Bills	0	\$6.19251 per day per bill	\$0	\$6.31090 per day per bill	\$0		
	Day	365	\$188.36 per bill per month		\$191.96 per bill per month			
Three Phase	Bills	96	\$6.32048 per day per bill	\$18,456	\$6.31090 per day per bill	\$18,428		
	Day	365	\$192.25 per bill per month		\$191.96 per bill per month			
TOTAL CUSTOMER		96		\$18,456		\$18,428		
DISTRIBUTION SERVICE								
Customer Maximum Demand	kW	3,511	\$0.08480 per kW per day \$2.50 per kW	\$9,056	\$0.08480 per kW per day \$2.58 per kW	\$9,056		
Distribution Charge	kWh	1,265,343	\$0.01001 per kWh	\$12,666	\$0.01590 per kWh	\$20,119		
DISTRIBUTION SERVICE TOTAL		1,265,343		\$21,722		\$29,175		
ELECTRICITY SERVICE								
Maximum Monthly On-Peak Demand:								
Winter	kW	1,718	\$0.34931 per kW per day \$10.62 per kW	\$18,251	\$0.34931 per kW per day \$10.62 per kW	\$18,251		
Summer	kW	1,122	\$0.42653 per kW per day \$12.97 per kW	\$14,551	\$0.42653 per kW per day \$12.97 per kW	\$14,551		
Maximum Monthly On-Peak Demand: Subtotal		2,839		\$32,802		\$32,802		
On-Peak 1 Energy Adder								
Winter	kWh	80,796	\$0.04245 per kWh	\$3,430	\$0.01826 per kWh	\$1,475		
Summer	kWh	47,339	\$0.05545 per kWh	\$2,625	\$0.01849 per kWh	\$875		
On-Peak 1 Energy Adder Subtotal		128,135		\$6,055		\$2,350		
On-Peak 2 Energy Adder								
Winter	kWh	133,408	\$0.04175 per kWh	\$5,570	\$0.01552 per kWh	\$2,070		
Summer	kWh	80,130	\$0.06177 per kWh	\$4,950	\$0.02775 per kWh	\$2,224		
On-Peak 2 Energy Adder Subtotal		213,538		\$10,520		\$4,294		
On-Peak 3 Energy Adder								
Winter	kWh	66,599	\$0.04631 per kWh	\$3,084	\$0.01966 per kWh	\$1,309		
Summer	kWh	38,063	\$0.05402 per kWh	\$2,056	\$0.02259 per kWh	\$860		
On-Peak 3 Energy Adder Subtotal		104,662		\$5,140		\$2,169		
Base Energy								
Winter	kWh	798,818	\$0.04148 per kWh	\$33,135	\$0.05570 per kWh	\$44,494		
Summer	kWh	466,525	\$0.04148 per kWh	\$19,351	\$0.05570 per kWh	\$25,985		
Base Energy Subtotal		1,265,343		\$52,486		\$70,479		
Act 141 Fixed Charge	Fixed							
Act 141 Credit	kWh	0	(\$0.00229) per kWh	\$0	(\$0.00238) per kWh	\$0		
ELECTRICITY SERVICE TOTAL		1,265,343		\$107,003		\$112,094		
TOTAL INTERDEPARTMENTAL INTERDEPARTMENTAL C/I LIGHTING AND POWER TIME-OF-USE SERVICE Cg-4 LEVEL A (20-75 kW)		1,265,343		\$147,181		\$159,697	\$12,516	8.50%

**MADISON GAS AND ELECTRIC COMPANY**  
**DOCKET 3270-UR-124**  
**SUMMARY OF ESTIMATED**  
**ELECTRIC BILLING STATISTICS AND REVENUES**  
**FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<b>INTERDEPARTMENTAL C/I LIGHTING AND POWER SERVICE TIME-OF-USE CG-2 (OVER 200 kW)</b>								
CUSTOMER CHARGE	Bills Days	12 365	\$14.50000 per day per bill \$441.04 per bill per month	\$5,293	\$14.50000 per day per bill \$441.04 per bill per month	\$5,293		
DISTRIBUTION SERVICE								
Customer Maximum Demand	kW	3,368	\$0.10600 per kW per day \$3.22 per kW	\$10,860	\$0.10600 per kW per day \$3.22 per kW	\$10,860		
Distribution Charge	kWh	918,805	\$0.01022 per kWh	\$9,390	\$0.01470 per kWh	\$13,506		
Primary Voltage Discount	kW	0	(\$0.00328) per kW per day \$0.00000 per kW	\$0	(\$0.00328) per kW per day (\$0.10000) per kW	\$0		
Primary Voltage Discount	kWh	0	(\$0.00100) per kWh	\$0	(\$0.00180) per kWh	\$0		
Transformer Equipment Discount	kW	0	(\$0.00328) per kW per day \$0.00000 per kW	\$0	(\$0.00328) per kW per day (\$0.10000) per kW	\$0		
Transition Distribution Charge	kWh		\$0.00000 per kWh	\$0	\$0.00000 per kWh	\$0		
<b>DISTRIBUTION SERVICE TOTAL</b>				<b>\$20,250</b>		<b>\$24,366</b>		
<b>ELECTRICITY SERVICE</b>								
Maximum Monthly On-Peak Demand:								
Winter	kW	1,278	\$0.37362 per kW per day \$11.36 per kW	\$14,529	\$0.39230 per kW per day \$11.93 per kW	\$15,255		
Summer	kW	1,028	\$0.45203 per kW per day \$13.75 per kW	\$14,133	\$0.47463 per kW per day \$14.44 per kW	\$14,839		
Maximum Monthly On-Peak Demand: Subtotal		2,306		\$28,662		\$30,094		
On-Peak 1 Energy Adder								
Winter	kWh	59,923	\$0.01747 per kWh	\$1,047	\$0.02154 per kWh	\$1,291		
Summer	kWh	38,973	\$0.02802 per kWh	\$1,092	\$0.02177 per kWh	\$848		
On-Peak Energy Subtotal		98,896		\$2,139		\$2,139		
On-Peak 2 Energy Adder								
Winter	kWh	101,736	\$0.01596 per kWh	\$1,624	\$0.01880 per kWh	\$1,913		
Summer	kWh	67,363	\$0.04595 per kWh	\$3,095	\$0.03103 per kWh	\$2,090		
On-Peak 2 Energy Adder Subtotal		169,099		\$4,719		\$4,003		
On-Peak 3 Energy Adder								
Winter	kWh	49,920	\$0.02270 per kWh	\$1,133	\$0.02294 per kWh	\$1,145		
Summer	kWh	30,501	\$0.02668 per kWh	\$814	\$0.02587 per kWh	\$789		
On-Peak 3 Energy Adder Subtotal		80,422		\$1,947		\$1,934		
Base Energy								
Winter	kWh	563,103	\$0.04930 per kWh	\$27,761	\$0.05159 per kWh	\$29,050		
Summer	kWh	355,702	\$0.04930 per kWh	\$17,536	\$0.05159 per kWh	\$18,351		
Base Energy Subtotal		918,805		\$45,297		\$47,401		
Interruptible Credit								
IS-3 Demand	kW	0	(\$0.12329) per kW per day (\$3.75) per kW	\$0	(\$0.12329) per kW per day (\$3.75) per kW	\$0		
IS-4 Demand	kW	0	(\$0.13151) per kW per day (\$4.00) per kW	\$0	(\$0.13151) per kW per day (\$4.00) per kW	\$0		
SCS Demand	kW	0	\$0.00000 per kW per day \$0.00 per kW	\$0	\$0.00000 per kW per day \$0.00 per kW	\$0		
Interruptible Credit Subtotal		0		\$0		\$0		
GPT	kWh	1,260,348	\$0.01000	\$12,603	\$0.01000	\$12,603		
Act 141 Fixed Charge	Fixed					\$0		
Act 141 Credit	kWh	0	(\$0.00229) per kWh	\$0	(\$0.00238) per kWh	\$0		
<b>ELECTRICITY SERVICE TOTAL</b>		<b>918,805</b>		<b>\$95,367</b>		<b>\$98,174</b>		
<b>TOTAL INTERDEPARTMENTAL</b>								
INTERDEPARTMENTAL C/I LIGHTING AND POWER SERVICE TIME-OF-USE CG-2 (OVER 200 kW)		918,805		\$120,910		\$127,833	\$6,923	5.73%

MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
SUMMARY OF ESTIMATED  
ELECTRIC BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022

TYPE OF SERVICE	BILLING UNITS	NUMBER OF BILLING UNITS	PRESENT RATES	PRESENT REVENUES	2022 PROPOSED RATES	2022 PROPOSED REVENUES	PROPOSED REVENUE INCREASE AMOUNT	PERCENT
<u>INTERDEPARTMENTAL OUTDOOR OVERHEAD LIGHTING SERVICE - PRIVATE UNMETERED OL-1</u>								
<u>DUSK-TO-DAWN YARD LIGHTING</u>								
70 WATT HPS LAMPS	Lamps	0	\$12.61 per lamp	\$0	\$14.14 per lamp	\$0		
100 WATT HPS LAMPS	Lamps	24	\$13.67 per lamp	\$328	\$15.20 per lamp	\$365		
150 WATT HPS LAMPS	Lamps	228	\$15.50 per lamp	\$3,534	\$17.03 per lamp	\$3,883		
SUBTOTAL HPS LAMPS		252		\$3,862		\$4,248		
175 WATT MV LAMPS (CLOSED)	Lamps	108	\$15.20 per lamp	\$1,642	\$16.73 per lamp	\$1,807		
250 WATT MV LAMPS (CLOSED)	Lamps	168	\$17.12 per lamp	\$2,876	\$18.65 per lamp	\$3,133		
400 WATT MV LAMPS (CLOSED)	Lamps	300	\$21.25 per lamp	\$6,375	\$22.78 per lamp	\$6,834		
SUBTOTAL MV LAMPS		576		\$10,893		\$11,774		
TOTAL DUSK-TO-DAWN LIGHTING		828		\$14,755		\$16,022		
<u>OUTDOOR OVERHEAD LIGHTING</u>								
70 WATT HPS LAMPS	Lamps	0	\$14.44 per lamp	\$0	\$15.97 per lamp	\$0		
150 WATT HPS LAMPS	Lamps	216	\$17.70 per lamp	\$3,823	\$19.23 per lamp	\$4,153		
250 WATT HPS LAMPS	Lamps	48	\$20.67 per lamp	\$992	\$22.20 per lamp	\$1,066		
400 WATT HPS LAMPS	Lamps	36	\$24.90 per lamp	\$896	\$26.43 per lamp	\$951		
SUBTOTAL HPS LAMPS		300		\$5,711		\$6,170		
70 WATT MH LAMPS	Lamps	0	\$15.20 per lamp	\$0	\$16.73 per lamp	\$0		
150 WATT MH LAMPS	Lamps	0	\$17.60 per lamp	\$0	\$19.13 per lamp	\$0		
250 WATT MH LAMPS	Lamps	60	\$20.39 per lamp	\$1,223	\$21.92 per lamp	\$1,315		
400 WATT MH LAMPS	Lamps	12	\$24.32 per lamp	\$292	\$25.85 per lamp	\$310		
SUBTOTAL MH LAMPS		72		\$1,515		\$1,625		
70 WATT EQUIVALENT LED LAMPS	Lamps	0	\$15.50 per lamp	\$0	\$17.03 per lamp	\$0		
150 WATT EQUIVALENT LED LAMPS	Lamps	168	\$16.08 per lamp	\$2,701	\$17.61 per lamp	\$2,958		
250 WATT EQUIVALENT LED LAMPS	Lamps	0	\$18.56 per lamp	\$0	\$20.09 per lamp	\$0		
400 WATT EQUIVALENT LED LAMPS	Lamps	0	\$23.17 per lamp	\$0	\$24.70 per lamp	\$0		
SUBTOTAL LED LAMPS		168		\$2,701		\$2,958		
TOTAL OUTDOOR OVERHEAD LIGHTING		540		\$9,927		\$10,753		
Act 141 Credit	KWH		0 per kWh	\$0	0 per kWh	\$0		
WOOD POLES	Poles	228	\$8.85 per pole	\$2,018	\$8.85 per pole	\$2,018		
NONWOOD POLES	Poles	0	\$14.25 per pole	\$0	\$14.25 per pole	\$0		
TOTAL POLES		228		\$2,018		\$2,018		
TOTAL OL-1 (INTERDEPARTMENTAL)		1,368		\$26,700		\$28,793	\$2,093	7.84%



## **Small Commercial Industrial Economic Development Electrical Service**

### **AVAILABILITY**

To any commercial customer using single-phase, 60-cycle alternating current for lighting, heating, and small motors (individual motors 7.5 horsepower or less) and all other appliances (including ranges) which do not interfere with lighting service; and for combined lighting and three-phase, 60-cycle, alternating current power service provided the single-phase load is distributed between the phases so that it will not unbalance the current per phase more than 10 percent.

This rate schedule applies to customers whose demand is 20 kW or less and who initiate service in 2022. During this year, a new customer initiating service with less than an estimated or actual demand of 50 kW will initially be placed on this rate schedule in 2022 until the customer's demand exceeds the required demand for Cg-4, Cg-2 or Cg-6 in at least four out of 12 months, exceeds 50 kW of demand in any billing period, or otherwise qualifies for Cg-4, Cg-2 or Cg-6. The term of service for Cg-5D will be one year for each customer and this service will not be available after each customer's one-year term of service. Once each customer's term of service ends on this rate schedule, the customer will be moved to the open rate schedule that they qualify for based on the level of demand they had since initiating service.

### **RATE**

Grid connection and customer service charge per day.....	Cg-5 Charge -
Distribution service: All kWh, per kWh .....	Discounted to zero
Electricity charge: All kWh, per kWh .....	Cg-5 Electricity Charge

Summer rates are effective from June 1 through September 30. All other times of the year winter rates are effective.

### **PAYMENT**

Payment is due not later than the due date shown on the bill. Any Company billing charges unpaid after the due date will be subject to a late payment charge as described in the Company's electric service rules under Late Payment Charge.

### **MINIMUM MONTHLY CHARGE**

The minimum monthly charge will be the grid connection and customer service charge multiplied by the number of days in the billing period.

### **COMMERCIAL TEMPORARY SERVICE**

When supplying service for a short period of time to commercial customers, such as carnivals, fairs, and festivals, the following terms and provisions apply:

1. Customer will deposit in advance of starting installation or construction work the estimated cost thereof plus the estimated cost of electrical energy to be consumed.
2. Customer will be charged for cost, including labor and materials used, plus usual charge for overhead, of making and removing the temporary connections.
3. Energy used may be measured or estimated at the option of the Company. If energy used is estimated, the estimate will be determined by multiplying the connected load by the probable number of hours' use.
4. Final adjustment of charge to customer will be made after removal of temporary construction.





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## Small Commercial and Industrial Lighting and Power Service

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### **SPECIAL TERMS AND PROVISIONS**

Customers who have their meters turned off and back on within a 12-month period will pay the minimum monthly charges, applicable to the customer, for the months while service was not being used.



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## Electric Vehicle Fleet Pilot 1

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### AVAILABILITY

Service under this voluntary schedule is available to both new and existing customers on Rate Schedules Cg-4 and Cg-2 who have a dedicated meter(s) for the new and existing plug-in electric vehicles (EV) charging infrastructure utilized by the customer to exclusively ~~fuel~~charge its customer-owned and/or leased electric vehicles. Assets not dedicated to the process of charging vehicles shall not be taking service from said dedicated meter. Participation in this program will be limited to EV charging infrastructure with a total nameplate capacity of 20 MW-DC. This pilot will be available to new and existing customers for a period of ten years commencing January 1<sup>st</sup>, 2021.

### RATE

All the provisions of the otherwise applicable rate schedule(s) will apply with the exception that a customer served on this rider will have a reduction to both the maximum monthly on-peak 15-minute demand and the customer maximum 15-minute demand charges for a period of five years based on when service commences at the meter.

Customers taking service under this schedule will have a reduction in demand charges on the following schedule:

1. Year 1 reduction: 80%
2. Year 2 reduction: 60%
3. Year 3 reduction: 40%
4. Year 4 reduction: 20%
5. Year 5 reduction: 0%

### PAYMENT

Payment is due not later than the due date shown on the bill. Any Company billing charges unpaid after the due date will be subject to a late payment charge as described in the Company's electric service rules under Late Payment Charge.

### CONDITIONS OF DELIVERY

1. A customer receiving service under this rider must contact the Company to review charging configuration to ensure service is dedicated exclusively to charging infrastructure.
2. The availability of service under this rate may be limited at the discretion of the Company. Service under this rate may be refused if the Company believes the load is serving load not dedicated to the charging electric vehicles.
3. The customer will, at customer's expense, install all apparatus and materials necessary for the proper utilization of power furnished by the Company.
4. The customer will pay, in advance of construction, all costs estimated by the Company for facilities to serve the charging load.
5. The Company will not be liable for any damages sustained by the customer because of interruptions, deficiencies, or imperfections of electric service provided under this rate.
6. Service under this rate will be furnished only in accordance with the Electric Service Rules and Regulations of the Company.
7. Energy furnished under this rate will not be resold.
8. Service under this schedule may not be combined with service under Is-3, Is-4, the Low Load Factor Provision, or combined metering.



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## Electric Vehicle Fleet Pilot 1

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## Miscellaneous Service Charges

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**Distribution Extension Embedded Cost Allowances:**

Per customer billed on an energy-only basis .....	\$886.00
Per kW of demand for energy and demand billed customers .....	\$134.00
Per fixture for streetlighting installations.....	\$60.00

**Insufficient Funds Charge** ..... \$20.00

**Low-Voltage Network System Service Lateral Charge per Foot** ..... \$50.00

**Preferred Service Charges:**

After regular working hours or within the same half working day..... \$30.00

**Reconnection Charges:**

During regular business hours .....	<del>\$364</del> 2.00
All other times, regular fee plus overtime not to exceed .....	<del>\$546</del> 3.00
<u>Reconnection at pole during regular business hours.....</u>	<u>\$84.00</u>
<u>Reconnection at pole all other times.....</u>	<u>\$168.00</u>

**Reserve Capacity Charge (per contracted kW per day)** ..... \$0.04553

**Stray-Voltage Isolator Lease Rate (per month)** ..... \$35.00

**Temporary Service Charge** ..... \$111.00



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## Backup Generation Service Rider

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### AVAILABILITY

Service under this voluntary schedule is available to customers on demand-metered Rate Schedules Cg-2, Cg-4, Cg-6, Cg-8, Sp-3, and Sp-4 who contract for service for an initial period of five or more years. Participation in this program will be limited to a 50 MW total customer load.

If the customer maximum 15-minute demand level falls below 75 kW, the Company will determine if it is reasonable to remove the BGS generator from the customer and discontinue BGS at that site or retain BGS at the customer site and charge for BGS based on the minimum demand volume determined in the rate provision below. Factors such as generator size, potential use of the generator elsewhere, future customer demand, and special usage circumstances will be considered in making this decision. If the Company determines it is appropriate to keep the BGS generator at the customer location, the customer may choose to continue BGS service but must agree to the minimum demand charge as described under the rate provision below.

### RATE

All the provisions of the applicable Cg-2, Cg-4, Cg-6, Cg-8, Sp-3, and Sp-4 rate schedules will apply. In addition:

1. Customers taking firm service under this schedule will have an additional charge for backup service applied to the customer maximum 15-minute demand as follows:
  - a. Customers who initiated service prior to July 1, 2006, will have the charge designated below applied to the greater of the customer maximum 15-minute demand or 75 kW.
  - b. Customers who initiated service on and after July 1, 2006 but prior to January 1, 2022, will have the charge designated below applied to the greater of the customer maximum 15-minute demand, 50 percent of the highest customer maximum 15-minute demand experienced by the customer during the time period the customer is served under this rate schedule, or 75 kW.
  - c. Customers who initiated service on or after January 1, 2022, will have the charge designated below applied to the greater of the customer maximum 15-minute demand, 50 percent of the highest customer maximum 15-minute demand experienced by the customer during the time period the customer is served under this rate schedule, or 150 kW.
  - d. Customers who request redundant on-site BGS capacity, and such added capacity is available to the Company under the existing terms of the tariff, will have the charge designated below applied to the standby-rated capacity of the redundant generator. Redundant on-site BGS capacity in this rate schedule means any BGS generator(s) in addition to the generator(s) deemed appropriate by the Company to supply the customer maximum 15-minute demand at the time of installation.
2. Customers taking interruptible or supplemental service will have an additional charge for backup service applied to the minimum contract firm demand level.
3. The firm demand level charges are ~~as follows: \$0.09863 per kW per day.~~
  - a. ~~For diesel fueled generators, \$0.06575 per kW per day for agreements that became effective on or after March 1, 2003, and prior to January 1, 2010.~~
  - b. ~~For diesel fueled generators, \$0.09863 per kW per day for agreements that became effective on or after January 1, 2010.~~
  - c. ~~For natural gas fueled generators, \$0.16438 per kW per day for agreements that became effective on or after January 1, 2010.~~



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## Backup Generation Service Rider

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### CONDITIONS OF DELIVERY

1. A customer receiving service under this rider must enter into a contract that identifies the size of the generator specified and installed by the Company and the customer's expected annual maximum load.
2. A customer that receives electric service through more than one distribution service feed at a single location (premise) may choose to take backup service under this schedule for all or only some of the service feeds at that location. The Company may require the customer to pay in advance of installation for any additional metering or measurement equipment necessary for the customer to take backup service for less than the entire premise.
  - a. For firm service customers, backup generation service must be taken for the entire load at each distribution service chosen. For purposes of this schedule, the customer maximum 15-minute demand will be the greatest rate at which electrical energy has been used for the distribution service feeds chosen during any 15 consecutive minutes in the current or preceding 11 billing months.
  - b. For interruptible and supplemental service customers, backup generation service must be taken for the full amount of the customer's minimum contract firm demand level. For purposes of this schedule, the contract firm demand level will be the customer's contract firm demand level in effect at the time the customer enters into the BGS contract with the Company.
3. The contract will have an initial term in accordance with the Availability Clause of this schedule. At the end of the initial term the contract will be automatically renewed on an annual basis unless written notice from either party is delivered to the other party no later than 180 days prior to the end of the contract term.
4. The authorized rate in effect at the time the initial contract term begins for a customer will remain fixed for that customer for the entire initial contract term, regardless of other changes that may from time to time be approved by the Public Service Commission of Wisconsin. At the end of the initial term, service will be charged at the authorized rate in effect at the time.
5. The Company will work with the customer to determine where to install the generator and associated equipment. The facilities will comply with Wisconsin State Electrical Code, local ordinances, and accepted engineering and planning practices and will be connected to the Company's system over the most direct route as determined by the Company. The Company is responsible for maintaining facilities in compliance with applicable regulations and ordinances that may change over the term of the contract.
6. The customer will provide or will be responsible for the cost of all right-of-way easements and building permits necessary for the Company to connect the generator to the Company's system and to install, maintain, or replace distribution facilities where necessary.
7. The customer will supply the space for the generator and a concrete pad as specified by the Company. The customer will either clear and grade such property and pour the pad or pay the Company to clear and grade such property and pour the pad.
8. The Company is responsible for installation and backfilling, as necessary. The customer is responsible for the cost of restoration of the property after the Company has completed installation and backfilling where applicable.



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## **Backup Generation Service Rider**

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9. If the generator installation requires nonstandard service facilities or if the customer requests nonstandard facilities or design, including but not limited to aesthetics, noise attenuation, exhaust ventilation, or location on the customer's premise, the Company will require the customer to pay a contribution in advance of construction for the cost of the facilities in excess of standard design.
10. The customer will be required to make the Company equipment available and permit entry upon the property by Company personnel at reasonable times for the purposes of testing, maintenance, and replacement of the equipment. The Company will be responsible for testing the generator at least once a year to ensure the equipment is in proper working condition.
11. The Company reserves the right to operate the generator to meet system load requirements.
12. The availability of service under this schedule may be limited at the discretion of the Company. Service under this schedule may be refused if the Company believes the customer presents an unacceptable credit risk or cannot provide or meet suitable generator siting requirements, including physical and environmental restrictions and liability limitations.
13. Service under this schedule will be furnished only in accordance with the Electric Service Rules and Regulations of the Company.
14. Energy furnished under this schedule will not be resold by the Customer.



## Commercial and Industrial Time-of-Use Rate

### AVAILABILITY

#### Mandatory Service Provision:

This rate schedule is mandatory to new commercial and industrial customers with a maximum 15-minute demand in excess of 20 kW but no more than 200 kW as determined in the Availability Clause of Schedule Cg-2.

If a customer's demand fluctuates above and below 20 kW, the Cg-4 rate schedule is mandatory if the 15-minute demand exceeds 20 kW in at least four out of the last 12 months. In addition, a new customer initiating service with an estimated demand of 50 kW or greater ~~(within the first 12 months of service)~~ will be placed on this rate. If a customer at any time has a demand of 50 kW or greater, they will be placed on this rate schedule. Once the customer is on this rate, the customer will remain on this rate as long as they have at least one month in the last 12 months where their 15-minute demand is greater than 20 kW. If the customer's 15-minute demand remains below 20 kW for 12 consecutive months, the customer will be notified that they can opt to stay on the Cg-4 rate or be moved to the Cg-5 rate at their option as long as their demand remains below the level requiring mandatory service on this rate schedule. Customers that do not choose to be moved to Cg-5 service when they can opt to do so will be subject to the Optional Service Provision.

#### Optional Service Provision:

Customers who do not qualify for service under the mandatory provision of this service, or service availability requirements of other rate schedules (such as Cg-2 or Cg-6 for example), who wish to select this rate schedule as a service option may do so. All such customers (including those who qualify for Cg-5 service or are on closed Cg-3, Cg-7 or Cg-8 service) who opt in this rate schedule will be required to have meters installed that are capable of measuring KW demand and will be required to pay all charges on this rate schedule including demand charges. A customer selecting this rate schedule under this option thereby waives all rights to any billing adjustments arising from a claim that the bill for the customer's service would be cheaper on any alternative rate schedule for any period of time, including any rights under Wis. Admin. Code § PSC 113.0406(4), Reg. January 2004, No. 577.

### RATE

	Summer	Winter
Grid connection and customer service charge per day	<del>\$6.19251</del>	<del>\$6.19254</del>
<del>Three-phase service per day</del>	<del>\$6.32048</del>	<del>\$6.32048</del>
	<u>Note 1</u>	<u>Note 1</u>
Distribution service:		
Customer maximum 15-minute demand per kW per day	\$0.08480	\$0.08480
Distribution charge, per kWh	<del>\$0.01001</del>	<del>\$0.01001</del>
	<u>Note 1</u>	<u>Note 1</u>
Electricity service:		
Maximum monthly on-peak 15-minute demand per kW per day	\$0.42653	\$0.34931
On-peak period 1 energy adder, per kWh	<del>\$0.05545</del>	<del>\$0.04245</del>
	<u>Note 1</u>	<u>Note 1</u>
On-peak period 2 energy adder, per kWh	<del>\$0.06177</del>	<del>\$0.04175</del>
	<u>Note 1</u>	<u>Note 1</u>
On-peak period 3 energy adder, per kWh	<del>\$0.05402</del>	<del>\$0.04634</del>
	<u>Note 1</u>	<u>Note 1</u>
Base energy: All kWh, per kWh	<del>\$0.04148</del>	<del>\$0.04148</del>
	<u>Note 1</u>	<u>Note 1</u>

Summer rates are effective from June 1 through September 30. Winter rates are all times of the year other than the defined summer season.

Note 1: See Attachment B, Schedule 1 for Proposed Rates





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## Commercial and Industrial Time-of-Use Rate

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### RATE PROVISIONS

If a new customer satisfies the availability requirements for any or all of the following provisions, and service under such provision(s) would reduce the customer's bill, then the customer will automatically be served on such provision(s).

Provision	Sheet
Low Load Factor Provision.....	E-9.1
Primary Voltage Provision.....	E-9.2



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## Commercial and Industrial Time-of-Use Rate

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### MINIMUM MONTHLY CHARGE

The minimum monthly charge will be the grid connection and customer service charge plus the demand charge for the customer maximum 15-minute demand multiplied by the number of days in the billing period.

### PAYMENT

Payment is due not later than the due date shown on the bill. Any Company billing charges unpaid after the due date will be subject to a late payment charge as described in the Company's electric service rules under Late Payment Charge.

### PRICING PERIOD DEFINITIONS

On-Peak Period 1	10 a.m. through 1 p.m.: Monday through Friday, excluding holidays.
On-Peak Period 2	1 p.m. through 6 p.m.: Monday through Friday, excluding holidays.
On-Peak Period 3	6 p.m. through 9 p.m.: Monday through Friday, excluding holidays.
Base Energy Period	Includes all hours of all days.
Holidays	New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas.

### DETERMINATION OF DEMAND

1. All monthly demand and energy usage will be measured by meters installed and maintained by the Company. Estimates made by the Company, based on historic records plus known load characteristics, will be used for billing purposes if meter failure occurs.
2. The customer maximum 15-minute demand will be the greatest rate at which electrical energy has been used during any period of 15 consecutive minutes in the current or preceding 11 months.
3. The maximum on-peak 15-minute demand will be the greatest rate at which electrical energy has been used in 15 consecutive minutes during on-peak periods of the billing month.

### CHARACTER OF SERVICE

For lighting and power service, 60-cycle, alternating current is provided at the voltage levels specified in the Company's electric service rules and regulations.

### SPECIAL TERMS AND PROVISIONS

1. This rate schedule will remain in effect for a minimum of one year from the date consumption is initiated.
2. The meter must be located outside or in a location that is readily accessible by Company personnel during normal working hours.
3. Customers who have their meters turned off and back on within a 12-month period will pay the minimum monthly charges, applicable to the customer, for the months while service was not being used.



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## Bring Your Own Device Service Rider

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### AVAILABILITY

This is an optional rate schedule available to customers on Rate Schedules Rg-1, ~~and Rg-2~~, and ~~Rg-2A~~ who have installed a "Qualified Device."

### QUALIFIED DEVICE

For the purposes of this tariff, a Qualified Device is defined as a device that satisfies each of the following criteria:

1. The device is compatible and enrolled with the Company's energy management platform (the "Platform"). A list of compatible devices is made available on the Company's website.
2. The device is owned by the customer responsible for the electric account from which the device is served.
3. The device is connected to a reliable Internet connection.
4. The device meets all the applicable Additional Qualifications listed in this schedule.

### ADDITIONAL QUALIFICATIONS

Option 1: Smart Thermostat:

1. ~~There is a participation limit of 2,500 devices under this option.~~ Under this option, there is a participation limit of 4,000 devices until December 31, 2022. Effective January 1, 2023 there is a participation limit of 6,000 devices under this option.
2. The thermostat controls a functioning central air-conditioning system.
3. Customers may enroll multiple thermostats, but incentives will be provided per air-conditioning unit controlled. Customers with multiple air-conditioning units may be eligible for multiple incentives.

### RATE

All deliveries from the Company to the customer will be billed in accordance with the customer's otherwise applicable rate schedules.

The customer will receive an incentive for each Qualified Device enrolled in the Platform according to the following rates:

Option 1: Smart Thermostat:

One-time enrollment, per device .....	\$50.00
Summer participation, per device per summer* .....	\$25.00

\*The one-time enrollment incentive includes the first summer participation incentive. A summer participation incentive will not be provided separately for the first summer of enrollment.

### INTERNET ACCESS

Communication between Qualified Devices and the Company is achieved via the Platform by using the customer's Internet connection, which the customer will maintain.



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## Bring Your Own Device Service Rider

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### EQUIPMENT CONTROL

The customer agrees to provide the Company with the ability to control the Qualified Device, via the Platform, in order to reduce electrical demand during high electricity demand periods ("Events").

Option 1: Smart Thermostat:

1. Events will typically take place during peak hours on non-holiday weekdays between June 1 and September 30.
2. Mandatory Events may take place in other months and/or at other times of the day.
3. Some events may be preceded by a decrease in the thermostat in order to pre-cool the customer's home.
4. No more than 20 events will be called per customer per year.
5. An event will last no more than four hours.
6. Customers may opt-out of an event at any time unless the event is a Mandatory Event as defined below.

### MANDATORY EVENT

The Company will only dispatch a Mandatory Event if the North American Electric Reliability Corporation ("NERC") declares Level 2 Alerts for the Company's service territory, as defined by NERC's Reliability Standard EOP-002-2.

### SPECIAL TERMS AND PROVISIONS

Option 1: Smart Thermostat:

1. This option will apply for a minimum of 12 months, starting with the first full billing month after the customer enrolls via the Platform.
2. If a customer has previously enrolled in this option and withdrawn, they may not reenroll until 12 full billing months after they last withdrew.
3. The one-time enrollment incentive will be provided once per customer per residence. Customers with multiple air-conditioning units may be eligible for multiple incentives.
4. For the purposes of this option, summer is defined as June 1 through September 30. Customers are eligible for the summer participation credit if they enrolled on or before September 30 and remained enrolled until October 1. The summer participation incentive will not be provided or prorated for customers that withdraw from the rate schedule before October 1.
5. The Company, in its sole discretion, may remove the customer from this option in the case of poor performance, whether the performance in question was intentional or due to equipment malfunction.
6. The Company, in its sole discretion, may terminate this option at any time.



## Renewable Flat Bill Pilot

### AVAILABILITY

This schedule is available to residential customers that voluntarily wish to pay a flat monthly rate for electricity powered by renewable energy resources. To be eligible, customers must have electric service at their premise for a minimum of 12 consecutive prior billing months. Participation is limited to customers in good standing with the Company. Customers must be eligible to receive service under Rate Schedule Rg-1.

This is a voluntary pilot program. Availability is capped at 30 accepted Renewable Flat Bill amount bill offers. Offers will be made at the sole discretion of the Company. This program can be modified by the Company subject to approval by the Public Service Commission of Wisconsin.

### RATE

Customers will pay a monthly Flat Bill in lieu of the Grid Connection and Customer Service Charge, the Distribution Service Charge, and the Electricity Service Charge under Rate Schedule Rg-1 for a 12-month period. Customers electing to take service under this program will automatically be enrolled in the Company's Residential Renewable Energy Program and will pay the associated incremental Renewable Energy Charge for the maximum kWh of their Service Category. Customers taking service under this program are not subject to additional fuel adjustments ~~s-surcharges~~ otherwise applicable under Rate Schedule Rg-1. All other terms of service for Rate Schedule Rg-1 are applicable.

### MONTHLY FLAT BILL

A Monthly Flat Bill amount bill offer will be tailored in consideration of the individual customer's historic usage characteristics and applicable Rg-1 Residential Service rates. Eligible residential customers will be placed into a specific service category for the duration of a 12-month period. On a yearly basis, the Company will reanalyze each customer's usage, which will then be used to determine the Flat Bill Service Category the participating customers will belong to in the coming year.

### FLAT BILL SERVICE CATEGORIES AND MONTHLY RATES – 2022\*

Proposed 2022 Rates are included in Attachment B, Schedule 1

\*Rates above are applicable for RFB-1 service that begins on or after January 1, 2022

### FLAT BILL SERVICE CATEGORIES AND MONTHLY RATES – 2021\*\*

Average kWh	Average kWh	Average kWh	Average kWh	Average kWh	Average kWh	Average kWh	Average kWh	Average kWh	Average kWh
0-100	101-200	201-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1,000
\$33.50	\$47.50	\$61.50	\$75.50	\$90.00	\$104.00	\$118.00	\$132.00	\$146.00	\$160.50

Rates above are applicable for RFB-1 service beginning prior to January 1, 2022

### HIGH-USAGE CUSTOMERS

Customers with monthly usage in excess of the Flat Bill Service Categories may participate in the Voluntary Pilot Program at the discretion of the Company. A Monthly Flat Bill will be personalized in consideration of individual historic usage characteristics, applicable rates, and risk profile as determined at the Company's discretion. The Monthly Flat Bill will be developed using the following factors.

- Qm = Weather normalized usage
- Qf = Usage deviation risk adjustment
- Ec = Standard Electricity Service charge from Rate Schedule Rg-1
- Dc = Distribution Service charge from Rate Schedule Rg-1
- Rc = Renewable Energy Charge from Rate Schedule RWE-1



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## Renewable Flat Bill Pilot

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- f. CGc = Daily Customer Service and Grid Connection charges from Rate Schedule Rg-1
- g. Rp = Guaranteed amount adder at a maximum value of 10 percent or less



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## Renewable Flat Bill Pilot

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Formula:

$$\text{Flat Bill} = \frac{[(\sum_{Mo 1}^{Mo 12} \{ [Qm(1 + Qf)] \times (Ec + Dc + Rc) \}) + 365(CGc)] \times (1 + Rp)}{12}$$

### CONTRACT DURATION AND RENEWAL

Contract terms will be for a period of 12 consecutive billing months. All contracts will be evaluated and updated on an annual basis, and customers that are eligible for a renewal contract offer will automatically be enrolled in the following consecutive contract term unless they notify the Company of their option to terminate service under this program within 30 days of receiving the renewal contract offer.

### SPECIAL TERMS AND PROVISIONS

1. Customers that move from their service address prior to the end of the contract term will be trued up to the difference between their actual usage under Rate Schedule Rg-1 and the amount billed under this program. If customers overpaid, they will be refunded. If customers underpaid, they will be billed the difference.
2. Customers who remain at their service address who wish to withdraw from the program prior to the end of the contract term may do so. They will be placed on Rg-1 service and be required to pay an administrative fee of \$30. Their bills for the time they were on the annual contract prior to withdrawal from the program will be trued up to the difference between their actual usage under Rate Schedule Rg-1 and the amount billed under this program. If customers overpaid, they will be refunded. If customers underpaid, they will be billed the difference.
3. If customer's recorded kWh use at the end of six (6) months exceeds expected usage by at least 50 percent, the Company may at its discretion remove the customer from the program and place the customer on RG-1 service prior to the end of the contract term. The customer will be required to pay an administrative fee of \$30. Their bills for the time they were on the annual contract prior to being removed from the program will be trued up to the difference between their actual usage under Rate Schedule Rg-1 and the amount billed under this program. Customers that underpaid will be billed the difference.
4. In the 11th month of the program, customers will be notified on their new monthly Flat Bill amount and will have the option of declining enrollment for the upcoming year.
5. This program is subject to the Special Terms and Provisions specified in Rate Schedule RWE-1.

### WAIVER

Any customer choosing to be served under this program thereby waives all rights to any billing adjustments arising from a claim that a bill for a customer's service would be cheaper on any alternative rate schedule for any period of time, including any rights under Wisconsin Administrative Code PSC 113.



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## Small Commercial and Industrial Optional Time-of-Use Rate (Closed)

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### AVAILABILITY

This rate schedule is optional to commercial and industrial customers with a maximum monthly 15-minute demand of 20 kW or less who would otherwise qualify for Rate Schedule Cg-5. This rate schedule is closed to new customers on and after January 1, 2021. Customers who had been taking service on this schedule on that date and continue to qualify for service on this schedule may continue to do so or take service on Rate Schedules Cg-4 or Cg-5. Customers who discontinue service on or after January 1, 2021, will not be eligible for service on this schedule thereafter.

### RATE

	Summer	Winter
Grid connection and customer service charge per day .....	<del>\$0.73249</del>	<del>\$0.73249</del>
<del>—Three-phase service per day.....</del>	<del>\$1.00249</del>	<del>\$1.00249</del>
	Cg-5 Rate	Cg-5 Rate

Proposed Rates are in Attachment B, Schedule 1

Summer rates are effective from June 1 through September 30. Winter rates are all times of the year other than the defined summer season.

### MINIMUM MONTHLY CHARGE

The minimum monthly charge will be the grid connection and customer service charge multiplied by the number of days in the billing period.

### PAYMENT

Payment is due not later than the due date shown on the bill. Any Company billing charges unpaid after the due date will be subject to a late payment charge as described in the Company's electric service rules under Late Payment Charge.

### PRICING PERIOD DEFINITIONS

On-Peak Period 1	10 a.m. through 1 p.m.: Monday through Friday, excluding holidays.
On-Peak Period 2	1 p.m. through 6 p.m.: Monday through Friday, excluding holidays.
On-Peak Period 3	6 p.m. through 9 p.m.: Monday through Friday, excluding holidays.
Base Energy Period	Includes all hours of all days.
Holidays:	New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas.





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## Small Commercial and Industrial Optional Time-of-Use Rate (Closed)

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### CHARACTER OF SERVICE

A customer will be classified as commercial in accordance with the Company's standard classifications set forth in its rates and rules and will receive service in conformance with all rules and regulations pertaining to that classification.

### SPECIAL TERMS AND PROVISIONS

1. Any customer choosing to be served on this rate schedule thereby waives all rights to any billing adjustments arising from a claim that the bill for the customer's service would be cheaper on any alternative rate schedule for any period of time, including any rights under Wis. Admin. Code § PSC 113.0406(4), Reg. July 2014, No. 703.
2. The meter must be located outside or in a location that is readily accessible by Company personnel during normal working hours.
3. Customers who have their meters turned off and back on within a 12-month period will pay the minimum monthly charges, applicable to the customer, for the months while service was not being used. Thereafter, the customer will no longer be eligible to receive service under this rate schedule but may choose to be served under other rate schedules they qualify to receive service under at the time service is resumed.



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**Medium Commercial and Industrial Renewable Generation Net Metering Rate (Closed)**

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**AVAILABILITY**

This rate schedule is available to medium commercial and industrial customers (20 to 200 kW) with renewable generating facilities who want to connect such facilities in parallel with the Company's system and have a fully executed Distributed Generation Interconnection Agreement effective on or before December 31, 2014. Eligible customers wanting to be served under this rate must notify the Company prior to January 1, 2016, of their intent. As of January 1, 2016, this rate schedule is closed to any additional customer participation. As of December 31, 2026, this rate will be canceled and all customers on this rate will be transferred to a different rate schedule that the customer is eligible to be served under.

**RATE**

Deliveries from the Company to the customer will be billed in accordance with the following rates.

Grid connection and customer service charge:

	<u>Summer</u>	<u>Winter</u>
<del>Single-phase service per day</del>	<del>\$1.63742</del>	<del>\$1.63742</del>
<del>Three-phase service per day</del>	<del>\$1.76215</del>	<del>\$1.76215</del>
	<u>\$1.74658</u>	<u>\$1.74658</u>

[Other Proposed Rates for 2022 are included in Attachment B, Schedule 1]

Summer rates are effective from June 1 through September 30. Winter rates are all times of the year other than the defined summer season.

**MINIMUM MONTHLY CHARGE**

The minimum monthly charge will be the grid connection and customer service charge plus the demand charge for the customer maximum 15-minute demand multiplied by the number of days in the billing period.

**PAYMENT**

Payment is due not later than the due date shown on the bill. Any Company billing charges unpaid after the due date will be subject to a late payment charge as described in the Company's electric service rules under Late Payment Charge.



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**Medium Commercial and Industrial Renewable Generation Net Metering Rate (Closed)**

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**PRICING PERIOD DEFINITIONS**

On-Peak Period 1	10 a.m. through 1 p.m.: Monday through Friday, excluding holidays.
On-Peak Period 2	1 p.m. through 6 p.m.: Monday through Friday, excluding holidays.
On-Peak Period 3	6 p.m. through 9 p.m.: Monday through Friday, excluding holidays.
Base Energy Period	Includes all hours of all days.
Holidays	New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas.

**DETERMINATION OF DEMAND**

1. All monthly demand and energy usage will be measured by meters installed and maintained by the Company. Estimates made by the Company, based on historic records plus known load characteristics, will be used for billing purposes if meter failure occurs.
2. The customer maximum 15-minute demand will be the greatest rate at which electrical energy has been used during any period of 15 consecutive minutes in the current or preceding 11 months.
3. The maximum on-peak 15-minute demand will be the greatest rate at which electrical energy has been used in 15 consecutive minutes during on-peak periods of the billing month.

**SPECIAL TERMS AND PROVISIONS**

1. Service on this rate schedule will commence with the first regular meter reading following approval of the customer's application by the Company.
2. Any customer choosing to be served on this rate schedule thereby waives all rights to any billing adjustments arising from a claim that the bill for the customer's service would be cheaper on any alternative rate schedule for any period of time, including any rights under Wis. Admin. Code § PSC 113.0406(4), Reg. July 2014, No. 703.
3. Customers who have their meters turned off and back on within a 12-month period will pay the minimum monthly charges, applicable to the customer, for the months while service was not being used.

**SERVICE COMPATIBILITY**

The customer must generate electric power at the same characteristic, voltage, current and frequency, and number of phases as the customer receives service from the Company and will be subject to the same electric service rules as are the general service customers of the Company.

Safety of the physical well-being of all persons will be paramount under all considerations and aspects of the construction, operation, and maintenance of generating equipment operated in parallel with the Company's system.



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## Medium Commercial and Industrial Renewable Generation Net Metering Rate (Closed)

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### METERING AND SERVICE FACILITIES

The customer will pay for the cost of rebuilding any Company facilities required to adequately accommodate the parallel generation system and will provide proof of compliance with all applicable local, state, and national electrical and safety codes in writing. These costs may be paid by the customer over a time period not to exceed 24 months from billing by the Company. A finance charge will be added to all amounts not paid within 30 days of billing.

If a second meter is required for net billing, the customer must pay the cost of the second meter. The cost of the second meter, including financing costs, may initially be borne by the Company but must be repaid by the customer within two years of initiation of service with a second meter.

### INTERCONNECTION FACILITIES

The customer will furnish, install, operate, and maintain facilities such as manual lockable disconnect(s), relays, switches, synchronizing equipment, monitoring equipment, and control and protective devices designated by the Company as suitable for parallel operation with the Company system. Such facilities and schemes will be reviewed and approved by the Company prior to interconnection. Interconnection equipment designed to isolate the customer's generation from the Company's system will be accessible at all times to authorized Company personnel. All other equipment will be accessible to the Company periodically for routine testing.

Customer generation equipment will be of such design as to prevent undesirable effects upon the operation of standard services or equipment of the Company, its customers, or other utilities or agencies (for example, telephone, radio, or television interference, etc.).

In all respects, the generation equipment and its connection to the Company's system will conform to the guidelines and interconnection rules in Wis. Admin. Code § PSC 119.04.

### CONTRACT

The Company will require a contract specifying technical and operating aspects of parallel generation. Customers have the right to appeal to the PSCW if they believe the contract required by the Company is unreasonable.

### LIABILITY OF THE PARTIES

Customer will secure liability insurance that provides protection against claims for damages resulting from (1) bodily injury, including wrongful death and (2) property damage arising out of customer's ownership and/or operation of the facility. The limits of the policy will be at least \$300,000 per occurrence or prove financial responsibility by another method acceptable, and approved in writing, by the Company. The failure of the customer or the Company to enforce the minimum levels of insurance does not relieve the customer from maintaining such levels of insurance or relieve the customer of any liability. The customer will provide the Company with a certificate of insurance containing a minimum 30-day notice of cancellation prior to execution of this agreement.

Each of the parties will indemnify and save harmless the other party against any and all damages to persons or property occasioned, without the negligence of such other party, by the maintenance and operation by such parties of their respective lines and other electrical equipment.

### ENERGY CREDITS

All renewable energy credits and benefits, emissions allowances, or other renewable energy, air emissions, or environmental benefits for which the customer's generation project qualifies under any existing or future applicable law relating to the project will remain the property of the customer for any energy for which the customer receives a net energy credit on its monthly bill.

Attachment B, Schedule 10

**Embedded Cost of Service Study, 3270-UR-124**  
**12 CP COSS Result**

	<b>Total Electric Utility</b>	<b>GENERAL SERVICES</b>			<b>BUSINESS SERVICES</b>	<b>CONTRACT SERVICES</b>	
		<b><u>Residential</u></b>	<b><u>Small C&amp;I</u></b>	<b><u>Lighting/Misc</u></b>	<b><u>Med &amp; Large C&amp;I</u></b>	<b><u>Cp-1</u></b>	<b><u>Sp-3</u></b>
Total Rate Base	1,044,362,357	421,731,316	76,601,951	8,222,138	472,090,990	5,597,826	60,118,136
Total Revenues	409,314,896	149,042,022	29,849,917	2,799,813	190,675,137	5,166,916	31,781,091
Total Expenses	349,264,702	123,128,196	24,076,448	2,413,470	168,547,812	4,626,086	26,472,690
Net Operating Income	60,050,194	25,913,826	5,773,468	386,343	22,127,325	540,830	5,308,401
Rate of Return	5.75%	6.14%	7.54%	4.70%	4.69%	9.66%	8.83%
Required ROR	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%
ROR (Excess) \ Deficiency	1.43%	1.04%	-0.36%	2.48%	2.49%	-2.48%	-1.65%
Revenue (Excess) \ Deficiency	20,525,821	7,028,996	469,576	227,002	13,075,653	(55,684)	(219,723)
Est. Rev. at Present Rates	397,546,746	144,935,864	29,015,116	2,707,602	185,147,456	4,936,982	30,803,726
<b>Percent (Decrease) \ Increase</b>	<b>5.16%</b>	<b>4.85%</b>	<b>1.62%</b>	<b>8.38%</b>	<b>7.06%</b>	<b>-1.13%</b>	<b>-0.71%</b>

**MADISON GAS AND ELECTRIC**  
**Embedded Cost of Service Study, 3270-UR-124**  
**4 CP COSS Result**

	<b>Total Electric <u>Utility</u></b>	<b>GENERAL SERVICES</b>			<b>BUSINESS SERVICES</b>	<b>CONTRACT SERVICES</b>	
		<b><u>Residential</u></b>	<b><u>Small C&amp;I</u></b>	<b><u>Lighting/Misc</u></b>	<b><u>Med &amp; Large C&amp;I</u></b>	<b><u>Cp-1</u></b>	<b><u>Sp-3</u></b>
Total Rate Base	1,044,362,357	434,290,521	75,496,139	7,630,281	465,488,350	5,482,084	55,974,982
Total Revenues	409,314,896	149,141,316	29,841,099	2,795,119	190,622,393	5,166,785	31,748,183
Total Expenses	349,264,702	132,999,501	23,239,996	1,954,670	163,596,351	4,191,412	23,282,773
Net Operating Income	60,050,194	16,141,814	6,601,104	840,450	27,026,042	975,374	8,465,410
Rate of Return	5.75%	3.72%	8.74%	11.01%	5.81%	17.79%	15.12%
Required ROR	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%
ROR (Excess) \ Deficiency	1.43%	3.46%	-1.56%	-3.83%	1.37%	-10.61%	-7.94%
Revenue (Excess) \ Deficiency	20,525,821	15,217,560	(226,610)	(154,042)	8,951,346	(391,847)	(2,870,587)
Est. Rev. at Present Rates	397,546,746	145,016,851	29,007,914	2,703,771	185,104,362	4,936,982	30,776,865
<b>Percent (Decrease) \ Increase</b>	<b>5.16%</b>	<b>10.49%</b>	<b>-0.78%</b>	<b>-5.70%</b>	<b>4.84%</b>	<b>-7.94%</b>	<b>-9.33%</b>

**MADISON GAS AND ELECTRIC**  
**Embedded Cost of Service Study, 3270-UR-124**  
**1 CP COSS Result**

	<b>Total Electric <u>Utility</u></b>	<b>GENERAL SERVICES</b>			<b>BUSINESS SERVICES</b>	<b>CONTRACT SERVICES</b>	
		<b><u>Residential</u></b>	<b><u>Small C&amp;I</u></b>	<b><u>Lighting/Misc</u></b>	<b><u>Med &amp; Large C&amp;I</u></b>	<b><u>Cp-1</u></b>	<b><u>Sp-3</u></b>
Total Rate Base	1,044,362,357	439,626,660	75,349,685	7,556,083	462,154,829	5,439,213	54,235,888
Total Revenues	409,314,896	149,183,499	29,839,920	2,794,531	190,595,830	5,166,737	31,734,379
Total Expenses	349,264,702	137,195,633	23,134,232	1,897,207	161,067,557	4,030,407	21,939,668
Net Operating Income	60,050,194	11,987,866	6,705,689	897,324	29,528,274	1,136,330	9,794,711
Rate of Return	5.75%	2.73%	8.90%	11.88%	6.39%	20.89%	18.06%
Required ROR	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%
ROR (Excess) \ Deficiency	1.43%	4.45%	-1.72%	-4.70%	0.79%	-13.71%	-10.88%
Revenue (Excess) \ Deficiency	20,525,821	18,698,242	(315,009)	(201,770)	6,847,145	(516,363)	(3,986,425)
Est. Rev. at Present Rates	397,546,746	145,051,257	29,006,949	2,703,291	185,082,668	4,936,982	30,765,599
<b>Percent (Decrease) \ Increase</b>	<b>5.16%</b>	<b>12.89%</b>	<b>-1.09%</b>	<b>-7.46%</b>	<b>3.70%</b>	<b>-10.46%</b>	<b>-12.96%</b>

**MADISON GAS AND ELECTRIC**  
**Embedded Cost of Service Study, 3270-UR-124**  
**TOU COSS Result**

	<b>Total Electric <u>Utility</u></b>	<b>GENERAL SERVICES</b>			<b>BUSINESS SERVICES</b>	<b>CONTRACT SERVICES</b>	
		<b><u>Residential</u></b>	<b><u>Small C&amp;I</u></b>	<b><u>Lighting/Misc</u></b>	<b><u>Med &amp; Large C&amp;I</u></b>	<b><u>Cp-1</u></b>	<b><u>Sp-3</u></b>
Total Rate Base	1,044,362,357	418,581,552	76,543,176	8,020,288	473,285,053	7,494,422	60,437,867
Total Revenues	409,314,896	149,036,641	29,849,816	2,799,468	190,677,177	5,170,157	31,781,637
Total Expenses	349,264,702	122,556,530	24,065,781	2,376,836	168,764,528	4,970,308	26,530,719
Net Operating Income	60,050,194	26,480,111	5,784,035	422,633	21,912,649	199,848	5,250,918
Rate of Return	5.75%	6.33%	7.56%	5.27%	4.63%	2.67%	8.69%
Required ROR	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%
ROR (Excess) \ Deficiency	1.43%	0.85%	-0.38%	1.91%	2.55%	4.51%	-1.51%
Revenue (Excess) \ Deficiency	20,525,821	6,401,482	457,867	186,788	13,313,541	322,168	(156,024)
Est. Rev. at Present Rates	397,546,746	144,935,864	29,015,116	2,707,602	185,147,456	4,936,982	30,803,726
<b>Percent (Decrease) \ Increase</b>	<b>5.16%</b>	<b>4.42%</b>	<b>1.58%</b>	<b>6.90%</b>	<b>7.19%</b>	<b>6.53%</b>	<b>-0.51%</b>



**MADISON GAS AND ELECTRIC**  
**Embedded Cost of Service Study, 3270-UR-124**  
**CAPACITY TOU COSS Result**

	<b>Total Electric Utility</b>	<b>GENERAL SERVICES</b>			<b>BUSINESS SERVICES</b>	<b>CONTRACT SERVICES</b>	
		<b><u>Residential</u></b>	<b><u>Small C&amp;I</u></b>	<b><u>Lighting/Misc</u></b>	<b><u>Med &amp; Large C&amp;I</u></b>	<b><u>Cp-1</u></b>	<b><u>Sp-3</u></b>
Total Rate Base	1,044,362,357	417,267,302	76,252,145	8,002,754	471,013,981	11,782,377	60,043,799
Total Revenues	409,314,896	149,034,933	29,849,438	2,799,445	190,674,225	5,175,730	31,781,125
Total Expenses	349,264,702	122,366,072	24,023,605	2,374,295	168,435,409	5,591,709	26,473,612
Net Operating Income	60,050,194	26,668,861	5,825,833	425,151	22,238,816	(415,979)	5,307,513
Rate of Return	5.75%	6.39%	7.64%	5.31%	4.72%	-3.53%	8.84%
Required ROR	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%
ROR (Excess) \ Deficiency	1.43%	0.79%	-0.46%	1.87%	2.46%	10.71%	-1.66%
Revenue (Excess) \ Deficiency	20,525,821	6,787,337	543,311	191,936	13,001,649	89,916	(88,328)
Est. Rev. at Present Rates	397,546,746	144,935,864	29,015,116	2,707,602	185,147,456	4,936,982	30,803,726
<b>Percent (Decrease) \ Increase</b>	<b>5.16%</b>	<b>4.68%</b>	<b>1.87%</b>	<b>7.09%</b>	<b>7.02%</b>	<b>1.82%</b>	<b>-0.29%</b>

**MADISON GAS AND ELECTRIC**  
**Embedded Cost of Service Study, 3270-UR-124**  
**CAPACITY LOCATION COSS Result**

	<b>Total Electric Utility</b>	<b>GENERAL SERVICES</b>			<b>BUSINESS SERVICES</b>	<b>CONTRACT SERVICES</b>	
		<b><u>Residential</u></b>	<b><u>Small C&amp;I</u></b>	<b><u>Lighting/Misc</u></b>	<b><u>Med &amp; Large C&amp;I</u></b>	<b><u>Cp-1</u></b>	<b><u>Sp-3</u></b>
Total Rate Base	1,044,362,357	407,134,347	75,569,280	7,266,835	481,673,362	11,782,281	60,936,252
Total Revenues	409,314,896	149,025,134	29,848,777	2,798,752	190,684,536	5,175,730	31,781,967
Total Expenses	349,264,702	120,084,751	23,870,469	2,191,450	170,832,443	5,591,689	26,693,901
Net Operating Income	60,050,194	28,940,384	5,978,308	607,302	19,852,093	(415,959)	5,088,065
Rate of Return	5.75%	7.11%	7.91%	8.36%	4.12%	-3.53%	8.35%
Required ROR	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%	7.18%
ROR (Excess) \ Deficiency	1.43%	0.07%	-0.73%	-1.18%	3.06%	10.71%	-1.17%
Revenue (Excess) \ Deficiency	20,525,821	4,428,223	384,787	7,601	15,481,196	89,895	134,119
Est. Rev. at Present Rates	397,546,746	144,935,864	29,015,116	2,707,602	185,147,456	4,936,982	30,803,726
<b>Percent (Decrease) \ Increase</b>	<b>5.16%</b>	<b>3.06%</b>	<b>1.33%</b>	<b>0.28%</b>	<b>8.36%</b>	<b>1.82%</b>	<b>0.44%</b>

SUMMARY:						
			Madison Gas and Electric Co. "Unbundling" Total Costs			Attachment Schedule
Standard (12 CP) Cost Study with Staff Audit and Settlement Adjustments - Residential			Summary of Cost Categories			Standard Study Page 1 of 2
PSCW Account	Total Costs	Customer Costs	Grid Connection	Dist Demand Costs	Gen Tran Demand	Energy Costs
			Distribution		Generation and Transmission	
Production Plant - Net Value						
Steam Plant	\$52,503,550					
Other Plant	\$15,275,041					
Renewable Plant - Wind	\$34,459,817					
Renewable Plant - Solar	\$38,997,292					
Distribution Plant - Net Value						
Customer Related	\$59,414,485					
Demand Related	\$213,820,980					
Other Plant - Net Value	\$41,823,200					
Return on Plant (allocated based on Plant)						
Production Return Steam Plant	\$3,484,206				\$3,484,206	\$0
Production Return Other Plant	\$1,013,672				\$1,013,672	\$0
Production Return Renewable Plant - Wind	\$2,286,800				\$228,680	\$2,058,120
Production Return Renewable Plant - Solar	\$2,587,913				\$1,293,957	\$1,293,957
Distribution Return (Customer Related)	\$3,942,825		\$3,942,825			
Distribution Return (Demand Related)	\$14,189,448			\$14,189,448		
Other Plant, Material and Supplies, Cust Adv and Def Taxes	\$2,775,444	\$1,082,476	\$491,066	\$769,201	\$361,284	\$71,416
Depreciation Expense (allocated based on Plant)						
Production Depreciation Exp Steam Plant	\$4,932,733	\$0	\$0	\$0	\$4,932,733	\$0
Production Depreciation Exp Other Plant	\$1,076,667	\$0	\$0	\$0	\$1,076,667	\$0
Production Depreciation Exp Renewable Plant - Wind	\$2,430,075	\$0	\$0	\$0	\$278,607	\$2,151,468
Production Depreciation Exp Renewable Plant - Solar	\$1,498,868	\$0	\$0	\$0	\$806,699	\$692,169
Distribution Depreciation Exp (Customer Related)	\$2,827,589	\$0	\$2,827,589	\$0	\$0	\$0
Distribution Depreciation Exp (Demand Related)	\$5,735,570	\$0	\$0	\$5,735,570	\$0	\$0
Other Plant Depreciation Exp	\$4,760,616	\$170,185	\$697,088	\$2,351,772	\$1,003,335	\$538,235
Operation and Maintenance Expense						
Fuel	\$12,797,536	\$0	\$0	\$0	\$0	\$12,797,536
Other	\$32,185,571	\$0	\$0	\$0	\$23,986,008	\$8,199,563
Production O&M Expense	\$44,983,106	\$0	\$0	\$0	\$23,986,008	\$20,997,099
Transmission O&M Expense	\$13,143,113	\$0	\$0	\$0	\$13,143,113	\$0
Distribution O&M Expense	\$8,231,467	\$0	\$2,933,971	\$5,297,497	\$0	\$0
Other Costs and Revenues						
Other Operating Revenues	(\$4,106,158)	\$0	\$0	\$0	\$0	(\$4,106,158)
Customer Account Expense	\$8,913,855	\$8,913,855	\$0	\$0	\$0	\$0
Customer Service Expense	\$4,823,595	\$4,823,595	\$0	\$0	\$0	\$0
Administrative & General Expense	\$13,388,262	\$4,869,299	\$2,140,278	\$3,368,807	\$2,330,497	\$679,381
Taxes						
Taxes Other Than Income	\$6,573,398	\$2,563,751	\$1,163,047	\$1,821,786	\$855,670	\$169,143
Deferred Taxes	\$6,262,040	\$825,876	\$659,573	\$1,557,312	\$2,227,342	\$991,936
Federal and State Income Taxes	(\$6,302,867)	(\$831,261)	(\$663,873)	(\$1,567,466)	(\$2,241,864)	(\$998,403)
Total Investment Tax Credit	(\$149,892)	(\$19,769)	(\$15,788)	(\$37,277)	(\$53,315)	(\$23,744)
Incremental Income Tax (with Revenue Change)	\$2,662,514	\$351,149	\$280,439	\$662,143	\$947,029	\$421,754
Grand Total	\$151,964,860	\$22,749,156	\$14,456,215	\$34,148,794	\$55,674,321	\$24,936,374
60% G&T to be recovered through fixed rates / 40% thru variable rates					\$33,404,592	\$22,269,729
Recovered through on-peak demand rates						
Remainder of Fixed G/T in On-Peak Adder Rates (if negative value, reduction in Energy Base adder)					\$33,404,592	\$0
Net G&T to be added to Base Energy Rates						\$22,269,729

	Customer Costs	Grid Connection	Demand Costs	Gen Tran Demand	Energy Costs
		Distribution		Generation and Transmission	
Per Day charges (Individual)	<u>\$0.44053</u>	<u>\$0.27994</u>			
Individual Customer and Grid Connection Charges shown as Monthly	\$13.40	\$8.51			
Total Customer and Grid Connection (monthly)		\$21.91			
Distribution Demand Costs: (Cost Based Customer Max Demand)			\$ 3.13593		
Distribution Demand Costs: (If recovered entirely through per kWh charge)			<u>\$0.04032</u>		
Generation / Transmission Costs through On-Peak Demand Charges				<u>\$6.57999</u>	
Generation / Transmission Costs (if recovered entirely through per kWh charges)				<u>\$0.06573</u>	
<u>Energy (with 40% Fixed G&amp;T in Base)</u>					
Base Energy Cost				\$	0.02944
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.02629
Fixed G&T not in Base, if recovered on total Energy				\$ 0.03944	
Base Energy Rate				\$	0.05573
<u>Energy if Trans 100% Base and G 40% Base</u>					
Base Energy Cost				\$	0.02944
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.03560
Fixed G&T not in Base, if recovered on total Energy				\$ 0.03013	
Base Energy Rate (Alt 2)				\$	0.06504
<u>Cost above Average LMP during On Peak hours:</u>					
OP 1 Winter				\$	0.00633
OP 1 Summer				\$	0.00656
OP 2 Winter				\$	0.00359
OP 2 Summer				\$	0.01582
OP 3 Winter				\$	0.00773
OP 3 Summer				\$	0.01066

Bill Statistics	Customers	Customers	Ratchet Demand	On Peak Demand	KWH (000)
	141,559	141,559	10,889,525	8,461,161	847,011

SUMMARY:						
Madison Gas and Electric Co. Electric Unbundled Cost of Service 1 CP Standard Cost of Service Study - Residential <b>Summary of Cost Categories</b>					Attachment Schedule 1 CP Study Page 1 of 2	
PSCW Account	Total Costs	Customer Costs	Grid Connection	Dist Demand Costs	Gen Tran Demand	Energy Costs
			Distribution		Generation and Transmission	
Production Plant - Net Value						
Steam Plant	\$62,940,452					
Other Plant	\$18,311,485					
Renewable Plant - Wind	\$35,245,176					
Renewable Plant - Solar	\$43,169,496					
Distribution Plant - Net Value						
Customer Related	\$59,414,485					
Demand Related	\$213,820,980					
Other Plant - Net Value	\$44,080,132					
Return on Plant (allocated based on Plant)						
Production Return Steam Plant	\$4,165,203				\$4,165,203	\$0
Production Return Other Plant	\$1,211,797				\$1,211,797	\$0
Production Return Renewable Plant - Wind	\$2,332,416				\$233,242	\$2,099,174
Production Return Renewable Plant - Solar	\$2,856,823				\$1,428,412	\$1,428,412
Distribution Return (Customer Related)	\$3,931,865		\$3,931,865			
Distribution Return (Demand Related)	\$14,150,005			\$14,150,005		
Other Plant, Material and Supplies, Cust Adv and Def Taxes	\$2,917,086	\$1,101,448	\$495,431	\$807,163	\$440,377	\$72,668
Depreciation Expense (allocated based on Plant)						
Production Depreciation Exp Steam Plant	\$5,913,285	\$0	\$0	\$0	\$5,913,285	\$0
Production Depreciation Exp Other Plant	\$1,290,692	\$0	\$0	\$0	\$1,290,692	\$0
Production Depreciation Exp Renewable Plant - Wind	\$2,485,457	\$0	\$0	\$0	\$333,990	\$2,151,468
Production Depreciation Exp Renewable Plant - Solar	\$1,659,228	\$0	\$0	\$0	\$967,058	\$692,169
Distribution Depreciation Exp (Customer Related)	\$2,827,589	\$0	\$2,827,589	\$0	\$0	\$0
Distribution Depreciation Exp (Demand Related)	\$5,735,570	\$0	\$0	\$5,735,570	\$0	\$0
Other Plant Depreciation Exp	\$5,017,625	\$175,087	\$703,766	\$2,377,602	\$1,188,872	\$572,299
Operation and Maintenance Expense						
Fuel	\$12,797,536	\$0	\$0	\$0	\$0	\$12,797,536
Other	\$36,982,538	\$0	\$0	\$0	\$28,780,394	\$8,202,144
Production O&M Expense	\$49,780,073	\$0	\$0	\$0	\$28,780,394	\$20,999,679
Transmission O&M Expense	\$15,846,162	\$0	\$0	\$0	\$15,846,162	\$0
Distribution O&M Expense	\$8,352,677	\$0	\$2,904,758	\$5,447,920	\$0	\$0
Other Costs and Revenues						
Other Operating Revenues	(\$4,132,242)	\$0	\$0	\$0	\$0	(\$4,132,242)
Customer Account Expense	\$8,913,855	\$8,913,855	\$0	\$0	\$0	\$0
Customer Service Expense	\$4,823,595	\$4,823,595	\$0	\$0	\$0	\$0
Administrative & General Expense	\$14,186,405	\$4,963,051	\$2,164,457	\$3,541,807	\$2,824,172	\$692,918
Taxes						
Taxes Other Than Income	\$6,909,721	\$2,609,006	\$1,173,531	\$1,911,931	\$1,043,123	\$172,129
Deferred Taxes	\$6,527,758	\$805,659	\$639,439	\$1,524,271	\$2,588,332	\$970,057
Federal and State Income Taxes	(\$2,915,738)	(\$359,862)	(\$285,617)	(\$680,842)	(\$1,156,124)	(\$433,293)
Total Investment Tax Credit	(\$158,324)	(\$19,540)	(\$15,509)	(\$36,969)	(\$62,777)	(\$23,528)
Incremental Income Tax (with Revenue Change)	(\$879,086)	(\$108,497)	(\$86,113)	(\$205,272)	(\$348,568)	(\$130,636)
Grand Total	\$163,749,500	\$22,903,801	\$14,453,598	\$34,573,185	\$66,687,641	\$25,131,274
						\$30
60% G&T to be recovered through fixed rates / 40% thru variable rates					\$40,012,585	\$26,675,056
Recovered through on-peak demand rates						
Remainder of Fixed G/T in On-Peak Adder Rates (if negative value, reduction in Energy Base adder)					\$40,012,585	\$0
Net G&T to be added to Base Energy Rates						\$26,675,056

	Customer Costs	Grid Connection	Demand Costs	Gen Tran Demand	Energy Costs
		Distribution		Generation and Transmission	
Per Day charges (Individual)	<u>\$0.44352</u>	<u>\$0.27989</u>			
Individual Customer and Grid Connection Charges shown as Monthly	\$13.49	\$8.51			
Total Customer and Grid Connection (monthly)		<u>\$22.00</u>			
Distribution Demand Costs: (Cost Based Customer Max Demand)			\$ 3.17490		
Distribution Demand Costs: (If recovered entirely through per kWh charge)			<u>\$0.04082</u>		
Generation / Transmission Costs through On-Peak Demand Charges				<u>\$7.88162</u>	
Generation / Transmission Costs (if recovered entirely through per kWh charges)				<u>\$0.07873</u>	
<u>Energy (with 40% Fixed G&amp;T in Base)</u>					
Base Energy Cost				\$	0.02967
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.03149
Fixed G&T not in Base, if recovered on total Energy				<u>\$ 0.04724</u>	
Base Energy Rate				\$	0.06116
<u>Energy if Trans 100% Base and G 40% Base</u>					
Base Energy Cost				\$	0.02967
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.04272
Fixed G&T not in Base, if recovered on total Energy				<u>\$ 0.03601</u>	
Base Energy Rate (Alt 2)				\$	0.07239
<u>Cost above Average LMP during On Peak hours:</u>					
OP 1 Winter				\$	0.00633
OP 1 Summer				\$	0.00656
OP 2 Winter				\$	0.00359
OP 2 Summer				\$	0.01582
OP 3 Winter				\$	0.00773
OP 3 Summer				\$	0.01066

Bill Statistics	Customers	Customers	Ratchet Demand	On Peak Demand	KWH (000)
	141,559	141,559	10,889,525	8,461,161	847,011

SUMMARY:						
Madison Gas and Electric Co. Electric Unbundled Cost of Service 4 CP Standard Cost of Service Study - Residential <b>Summary of Cost Categories</b>					Attachment Schedule 4 CP Study Page 1 of 2	
<u>PSCW Account</u>	<u>Total Costs</u>	<u>Customer Costs</u>	<u>Grid Connection</u>	<u>Dist Demand Costs</u>	<u>Gen Tran Demand</u>	<u>Energy Costs</u>
			Distribution		Generation and Transmission	
Production Plant - Net Value						
Steam Plant	\$59,828,594					
Other Plant	\$17,406,141					
Renewable Plant - Wind	\$35,011,014					
Renewable Plant - Solar	\$41,925,515					
Distribution Plant - Net Value						
Customer Related	\$59,414,485					
Demand Related	\$213,820,980					
Other Plant - Net Value	\$43,406,671					
Return on Plant (allocated based on Plant)						
Production Return Steam Plant	\$3,962,459				\$3,962,459	\$0
Production Return Other Plant	\$1,152,812				\$1,152,812	\$0
Production Return Renewable Plant - Wind	\$2,318,786				\$231,879	\$2,086,907
Production Return Renewable Plant - Solar	\$2,776,735				\$1,388,368	\$1,388,368
Distribution Return (Customer Related)	\$3,935,032		\$3,935,032			
Distribution Return (Demand Related)	\$14,161,403			\$14,161,403		
Other Plant, Material and Supplies, Cust Adv and Def Taxes	\$2,874,832	\$1,095,919	\$494,177	\$795,868	\$416,564	\$72,303
Depreciation Expense (allocated based on Plant)						
Production Depreciation Exp Steam Plant	\$5,620,925	\$0	\$0	\$0	\$5,620,925	\$0
Production Depreciation Exp Other Plant	\$1,226,879	\$0	\$0	\$0	\$1,226,879	\$0
Production Depreciation Exp Renewable Plant - Wind	\$2,468,945	\$0	\$0	\$0	\$317,477	\$2,151,468
Production Depreciation Exp Renewable Plant - Solar	\$1,611,415	\$0	\$0	\$0	\$919,246	\$692,169
Distribution Depreciation Exp (Customer Related)	\$2,827,589	\$0	\$2,827,589	\$0	\$0	\$0
Distribution Depreciation Exp (Demand Related)	\$5,735,570	\$0	\$0	\$5,735,570	\$0	\$0
Other Plant Depreciation Exp	\$4,940,935	\$173,653	\$701,828	\$2,370,046	\$1,133,279	\$562,129
Operation and Maintenance Expense						
Fuel	\$12,797,536	\$0	\$0	\$0	\$0	\$12,797,536
Other	\$35,551,959	\$0	\$0	\$0	\$27,350,574	\$8,201,384
Production O&M Expense	\$48,349,494	\$0	\$0	\$0	\$27,350,574	\$20,998,920
Transmission O&M Expense	\$15,039,482	\$0	\$0	\$0	\$15,039,482	\$0
Distribution O&M Expense	\$8,316,504	\$0	\$2,913,260	\$5,403,245	\$0	\$0
Other Costs and Revenues						
Other Operating Revenues	(\$4,124,464)	\$0	\$0	\$0	\$0	(\$4,124,464)
Customer Account Expense	\$8,913,855	\$8,913,855	\$0	\$0	\$0	\$0
Customer Service Expense	\$4,823,595	\$4,823,595	\$0	\$0	\$0	\$0
Administrative & General Expense	\$13,948,266	\$4,935,690	\$2,157,483	\$3,490,299	\$2,675,879	\$688,915
Taxes						
Taxes Other Than Income	\$6,809,411	\$2,595,825	\$1,170,523	\$1,885,117	\$986,687	\$171,259
Deferred Taxes	\$6,448,524	\$811,381	\$645,150	\$1,533,522	\$2,482,278	\$976,193
Federal and State Income Taxes	(\$3,926,078)	(\$493,996)	(\$392,789)	(\$933,660)	(\$1,511,294)	(\$594,339)
Total Investment Tax Credit	(\$155,810)	(\$19,605)	(\$15,588)	(\$37,053)	(\$59,977)	(\$23,587)
Incremental Income Tax (with Revenue Change)	\$177,315	\$22,311	\$17,740	\$42,167	\$68,255	\$26,842
Grand Total	\$160,234,411	\$22,858,628	\$14,454,403	\$34,446,525	\$63,401,771	\$25,073,084
						\$30
60% G&T to be recovered through fixed rates / 40% thru variable rates					\$38,041,062	\$25,360,709
Recovered through on-peak demand rates						
Remainder of Fixed G/T in On-Peak Adder Rates (if negative value, reduction in Energy Base adder)					\$38,041,062	\$0
Net G&T to be added to Base Energy Rates						\$25,360,709

	Customer Costs	Grid Connection	Demand Costs	Gen Tran Demand	Energy Costs
		Distribution		Generation and Transmission	
Per Day charges (Individual)	<u>\$0.44265</u>	<u>\$0.27990</u>			
Individual Customer and Grid Connection Charges shown as Monthly	\$13.46	\$8.51			
Total Customer and Grid Connection (monthly)		\$21.98			
Distribution Demand Costs: (Cost Based Customer Max Demand)			\$ 3.16327		
Distribution Demand Costs: (If recovered entirely through per kWh charge)			<u>\$0.04067</u>		
Generation / Transmission Costs through On-Peak Demand Charges				<u>\$7.49327</u>	
Generation / Transmission Costs (if recovered entirely through per kWh charges)				<u>\$0.07485</u>	
<u>Energy (with 40% Fixed G&amp;T in Base)</u>					
Base Energy Cost				\$	0.02960
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.02994
Fixed G&T not in Base, if recovered on total Energy				<u>\$ 0.04491</u>	
Base Energy Rate				\$	0.05954
<u>Energy if Trans 100% Base and G 40% Base</u>					
Base Energy Cost				\$	0.02960
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.04059
Fixed G&T not in Base, if recovered on total Energy				<u>\$ 0.03426</u>	
Base Energy Rate (Alt 2)				\$	0.07020
<u>Cost above Average LMP during On Peak hours:</u>					
OP 1 Winter				\$	0.00633
OP 1 Summer				\$	0.00656
OP 2 Winter				\$	0.00359
OP 2 Summer				\$	0.01582
OP 3 Winter				\$	0.00773
OP 3 Summer				\$	0.01066

Bill Statistics	Customers	Customers	Ratchet Demand	On Peak Demand	KWH (000)
	141,559	141,559	10,889,525	8,461,161	847,011



SUMMARY:						
Madison Gas and Electric Co. Electric Unbundled Cost of Service Time of Use Cost of Service Study - Residential <b>Summary of Cost Categories</b>					Attachment Schedule TOU Study Page 1 of 2	
PSCW Account	Total Costs	Customer Costs	Grid Connection	Dist Demand Costs	Gen Tran Demand	Energy Costs
			Distribution		Generation and Transmission	
Production Plant - Net Value						
Steam Plant	\$49,521,904					
Other Plant	\$14,407,580					
Renewable Plant - Wind	\$34,459,817					
Renewable Plant - Solar	\$38,997,292					
Distribution Plant - Net Value						
Customer Related	\$59,414,485					
Demand Related	\$213,820,980					
Other Plant - Net Value	\$41,828,393					
Return on Plant (allocated based on Plant)						
Production Return Steam Plant	\$3,289,507				\$3,289,507	\$0
Production Return Other Plant	\$957,028				\$957,028	\$0
Production Return Renewable Plant - Wind	\$2,289,004				\$228,900	\$2,060,104
Production Return Renewable Plant - Solar	\$2,590,407				\$1,295,204	\$1,295,204
Distribution Return (Customer Related)	\$3,946,625		\$3,946,625			
Distribution Return (Demand Related)	\$14,203,122			\$14,203,122		
Other Plant, Material and Supplies, Cust Adv and Def Taxes	\$2,778,463	\$1,083,654	\$491,600	\$770,038	\$361,677	\$71,494
Depreciation Expense (allocated based on Plant)						
Production Depreciation Exp Steam Plant	\$4,652,606	\$0	\$0	\$0	\$4,652,606	\$0
Production Depreciation Exp Other Plant	\$1,015,524	\$0	\$0	\$0	\$1,015,524	\$0
Production Depreciation Exp Renewable Plant - Wind	\$2,430,075	\$0	\$0	\$0	\$278,607	\$2,151,468
Production Depreciation Exp Renewable Plant - Solar	\$1,498,868	\$0	\$0	\$0	\$806,699	\$692,169
Distribution Depreciation Exp (Customer Related)	\$2,827,589	\$0	\$2,827,589	\$0	\$0	\$0
Distribution Depreciation Exp (Demand Related)	\$5,735,570	\$0	\$0	\$5,735,570	\$0	\$0
Other Plant Depreciation Exp	\$4,760,616	\$171,652	\$703,020	\$2,371,767	\$971,367	\$542,810
Operation and Maintenance Expense						
Fuel	\$12,797,536	\$0	\$0	\$0	\$0	\$12,797,536
Other	\$32,185,571	\$0	\$0	\$0	\$23,986,008	\$8,199,563
Production O&M Expense	\$44,983,106	\$0	\$0	\$0	\$23,986,008	\$20,997,099
Transmission O&M Expense	\$13,143,113	\$0	\$0	\$0	\$13,143,113	\$0
Distribution O&M Expense	\$8,231,467	\$0	\$2,933,971	\$5,297,497	\$0	\$0
Other Costs and Revenues						
Other Operating Revenues	(\$4,100,777)	\$0	\$0	\$0	\$0	(\$4,100,777)
Customer Account Expense	\$8,913,855	\$8,913,855	\$0	\$0	\$0	\$0
Customer Service Expense	\$4,823,595	\$4,823,595	\$0	\$0	\$0	\$0
Administrative & General Expense	\$13,374,114	\$4,869,186	\$2,140,231	\$3,368,686	\$2,317,744	\$678,267
Taxes						
Taxes Other Than Income	\$6,539,819	\$2,550,654	\$1,157,106	\$1,812,480	\$851,299	\$168,279
Deferred Taxes	\$6,215,271	\$822,962	\$657,585	\$1,553,043	\$2,192,868	\$988,813
Federal and State Income Taxes	(\$6,440,601)	(\$852,798)	(\$681,425)	(\$1,609,348)	(\$2,272,369)	(\$1,024,661)
Total Investment Tax Credit	(\$148,057)	(\$19,604)	(\$15,665)	(\$36,996)	(\$52,237)	(\$23,555)
Incremental Income Tax (with Revenue Change)	\$2,827,437	\$374,380	\$299,147	\$706,507	\$997,575	\$449,828
Grand Total	\$151,337,346	\$22,737,536	\$14,459,784	\$34,172,367	\$55,021,119	\$24,946,540
	\$151,337,346					\$29
60% G&T to be recovered through fixed rates / 40% thru variable rates					\$33,012,671	\$22,008,448
Recovered through on-peak demand rates						
Remainder of Fixed G/T in On-Peak Adder Rates (if negative value, reduction in Energy Base adder)					\$33,012,671	\$0
Net G&T to be added to Base Energy Rates						\$22,008,448

	Customer Costs	Grid Connection	Demand Costs	Gen Tran Demand	Energy Costs
		Distribution		Generation and Transmission	
Per Day charges (Individual)	<u>\$0.44030</u>	<u>\$0.28001</u>			
Individual Customer and Grid Connection Charges shown as Monthly	\$13.39	<u>\$8.52</u>			
Total Customer and Grid Connection (monthly)		\$21.91			
Distribution Demand Costs: (Cost Based Customer Max Demand)			\$ 3.13810		
Distribution Demand Costs: (If recovered entirely through per kWh charge)			<u>\$0.04034</u>		
Generation / Transmission Costs through On-Peak Demand Charges				<u>\$6.50279</u>	
Generation / Transmission Costs (if recovered entirely through per kWh charges)				<u>\$0.06496</u>	
<u>Energy (with 40% Fixed G&amp;T in Base)</u>					
Base Energy Cost				\$	0.02945
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.02598
Fixed G&T not in Base, if recovered on total Energy				\$ 0.03898	
Base Energy Rate				\$	0.05544
<u>Energy if Trans 100% Base and G 40% Base</u>					
Base Energy Cost				\$	0.02945
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.03529
Fixed G&T not in Base, if recovered on total Energy				\$ 0.02967	
Base Energy Rate (Alt 2)				\$	0.06475
<u>Cost above Average LMP during On Peak hours:</u>					
OP 1 Winter				\$	0.00633
OP 1 Summer				\$	0.00656
OP 2 Winter				\$	0.00359
OP 2 Summer				\$	0.01582
OP 3 Winter				\$	0.00773
OP 3 Summer				\$	0.01066

Bill Statistics	Customers	Customers	Ratchet Demand	On Peak Demand	KWH (000)
	141,559	141,559	10,889,525	8,461,161	847,011

SUMMARY:						
Madison Gas and Electric Co. Electric Unbundled Cost of Service Capacity / Time of Use Cost of Service Study - Residential <b>Summary of Cost Categories</b>				Attachment Schedule Capacity TOU Study Page 1 of 2		
PSCW Account	Total Costs	Customer Costs	Grid Connection	Dist Demand Costs	Gen Tran Demand	Energy Costs
			Distribution		Generation and Transmission	
Production Plant - Net Value						
Steam Plant	\$48,803,299					
Other Plant	\$14,198,514					
Renewable Plant - Wind	\$34,369,694					
Renewable Plant - Solar	\$38,518,516					
Distribution Plant - Net Value						
Customer Related	\$59,414,485					
Demand Related	\$213,820,980					
Other Plant - Net Value	\$41,830,041					
Return on Plant (allocated based on Plant)						
Production Return Steam Plant	\$3,242,308				\$3,242,308	\$0
Production Return Other Plant	\$943,296				\$943,296	\$0
Production Return Renewable Plant - Wind	\$2,283,393				\$228,339	\$2,055,054
Production Return Renewable Plant - Solar	\$2,559,026				\$1,279,513	\$1,279,513
Distribution Return (Customer Related)	\$3,947,275		\$3,947,275			
Distribution Return (Demand Related)	\$14,205,463			\$14,205,463		
Other Plant, Material and Supplies, Cust Adv and Def Taxes	\$2,779,031	\$1,083,875	\$491,701	\$770,195	\$361,751	\$71,509
Depreciation Expense (allocated based on Plant)						
Production Depreciation Exp Steam Plant	\$4,585,093	\$0	\$0	\$0	\$4,585,093	\$0
Production Depreciation Exp Other Plant	\$1,000,788	\$0	\$0	\$0	\$1,000,788	\$0
Production Depreciation Exp Renewable Plant - Wind	\$2,423,719	\$0	\$0	\$0	\$272,251	\$2,151,468
Production Depreciation Exp Renewable Plant - Solar	\$1,480,466	\$0	\$0	\$0	\$788,297	\$692,169
Distribution Depreciation Exp (Customer Related)	\$2,827,589	\$0	\$2,827,589	\$0	\$0	\$0
Distribution Depreciation Exp (Demand Related)	\$5,735,570	\$0	\$0	\$5,735,570	\$0	\$0
Other Plant Depreciation Exp	\$4,760,616	\$172,228	\$705,354	\$2,379,635	\$962,173	\$541,226
Operation and Maintenance Expense						
Fuel	\$12,797,536	\$0	\$0	\$0	\$0	\$12,797,536
Other	\$32,797,286	\$0	\$0	\$0	\$24,597,723	\$8,199,563
Production O&M Expense	\$45,594,822	\$0	\$0	\$0	\$24,597,723	\$20,997,099
Transmission O&M Expense	\$13,143,113	\$0	\$0	\$0	\$13,143,113	\$0
Distribution O&M Expense	\$8,231,467	\$0	\$2,933,971	\$5,297,497	\$0	\$0
Other Costs and Revenues						
Other Operating Revenues	(\$4,099,069)	\$0	\$0	\$0	\$0	(\$4,099,069)
Customer Account Expense	\$8,913,855	\$8,913,855	\$0	\$0	\$0	\$0
Customer Service Expense	\$4,823,595	\$4,823,595	\$0	\$0	\$0	\$0
Administrative & General Expense	\$13,369,514	\$4,869,140	\$2,140,210	\$3,368,630	\$2,314,257	\$677,276
Taxes						
Taxes Other Than Income	\$6,525,808	\$2,545,190	\$1,154,627	\$1,808,597	\$849,475	\$167,919
Deferred Taxes	\$6,195,757	\$821,528	\$656,541	\$1,550,705	\$2,180,824	\$986,159
Federal and State Income Taxes	(\$6,486,510)	(\$860,080)	(\$687,351)	(\$1,623,476)	(\$2,283,166)	(\$1,032,437)
Total Investment Tax Credit	(\$147,474)	(\$19,554)	(\$15,627)	(\$36,911)	(\$51,909)	(\$23,473)
Incremental Income Tax (with Revenue Change)	\$2,884,690	\$382,496	\$305,680	\$721,994	\$1,015,373	\$459,147
Grand Total	\$151,723,200	\$22,732,272	\$14,459,969	\$34,177,900	\$55,429,502	\$24,923,559
	\$151,723,201					\$29
Transmission Costs	(\$0)				\$13,143,113	
60% G&T to be recovered through fixed rates / 40% thru variable rates					\$33,257,701	\$22,171,801
Recovered through on-peak demand rates						
Remainder of Fixed G/T in On-Peak Adder Rates (if negative value, reduction in Energy Base adder)					\$33,257,701	\$0
Net G&T to be added to Base Energy Rates						\$22,171,801

	Customer Costs	Grid Connection	Demand Costs	Gen Tran Demand	Energy Costs
		Distribution		Generation and Transmission	
Per Day charges (Individual)	<u>\$0.44020</u>	<u>\$0.28001</u>			
Individual Customer and Grid Connection Charges shown as Monthly	\$13.39	<u>\$8.52</u>			
Total Customer and Grid Connection (monthly)		\$21.91			
Distribution Demand Costs: (Cost Based Customer Max Demand)			\$ 3.13860		
Distribution Demand Costs: (If recovered entirely through per kWh charge)			<u>\$0.04035</u>		
Generation / Transmission Costs through On-Peak Demand Charges				<u>\$6.55105</u>	
Generation / Transmission Costs (if recovered entirely through per kWh charges)				<u>\$0.06544</u>	
<u>Energy (with 40% Fixed G&amp;T in Base)</u>					
Base Energy Cost				\$	0.02943
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.02618
Fixed G&T not in Base, if recovered on total Energy				<u>\$ 0.03926</u>	
Base Energy Rate				\$	0.05560
<u>Energy if Trans 100% Base and G 40% Base</u>					
Base Energy Cost				\$	0.02943
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.03549
Fixed G&T not in Base, if recovered on total Energy				<u>\$ 0.02995</u>	
Base Energy Rate (Alt 2)				\$	0.06491
<u>Cost above Average LMP during On Peak hours:</u>					
OP 1 Winter				\$	0.00633
OP 1 Summer				\$	0.00656
OP 2 Winter				\$	0.00359
OP 2 Summer				\$	0.01582
OP 3 Winter				\$	0.00773
OP 3 Summer				\$	0.01066

Bill Statistics	Customers	Customers	Ratchet Demand	On Peak Demand	KWH (000)
	141,559	141,559	10,889,525	8,461,161	847,011

SUMMARY:						
Madison Gas and Electric Co. Electric Unbundled Cost of Service Capacity Location Cost of Service Study - Residential <b>Summary of Cost Categories</b>				Attachment Schedule Capacity / Location Study Page 1 of 2		
<u>PSCW Account</u>	<u>Total Costs</u>	<u>Customer Costs</u>	<u>Grid Connection</u>	<u>Dist Demand Costs</u>	<u>Gen Tran Demand</u>	<u>Energy Costs</u>
			Distribution		Generation and Transmission	
Production Plant - Net Value						
Steam Plant	\$48,803,299					
Other Plant	\$14,198,514					
Renewable Plant - Wind	\$34,369,694					
Renewable Plant - Solar	\$38,518,516					
Distribution Plant - Net Value						
Customer Related	\$50,484,514					
Demand Related	\$213,771,843					
Other Plant - Net Value	\$40,654,935					
Return on Plant (allocated based on Plant)						
Production Return Steam Plant	\$3,236,447				\$3,236,447	\$0
Production Return Other Plant	\$941,591				\$941,591	\$0
Production Return Renewable Plant - Wind	\$2,279,266				\$227,927	\$2,051,339
Production Return Renewable Plant - Solar	\$2,554,400				\$1,277,200	\$1,277,200
Distribution Return (Customer Related)	\$3,347,939		\$3,347,939			
Distribution Return (Demand Related)	\$14,176,526			\$14,176,526		
Other Plant, Material and Supplies, Cust Adv and Def Taxes	\$2,696,079	\$1,069,819	\$444,967	\$753,651	\$357,060	\$70,581
Depreciation Expense (allocated based on Plant)						
Production Depreciation Exp Steam Plant	\$4,585,093	\$0	\$0	\$0	\$4,585,093	\$0
Production Depreciation Exp Other Plant	\$1,000,788	\$0	\$0	\$0	\$1,000,788	\$0
Production Depreciation Exp Renewable Plant - Wind	\$2,423,719	\$0	\$0	\$0	\$272,251	\$2,151,468
Production Depreciation Exp Renewable Plant - Solar	\$1,480,466	\$0	\$0	\$0	\$788,297	\$692,169
Distribution Depreciation Exp (Customer Related)	\$2,376,807	\$0	\$2,376,807	\$0	\$0	\$0
Distribution Depreciation Exp (Demand Related)	\$5,734,010	\$0	\$0	\$5,734,010	\$0	\$0
Other Plant Depreciation Exp	\$4,627,134	\$169,340	\$600,374	\$2,363,278	\$956,099	\$538,042
Operation and Maintenance Expense						
Fuel	\$12,797,536	\$0	\$0	\$0	\$0	\$12,797,536
Other	\$32,797,286	\$0	\$0	\$0	\$24,597,723	\$8,199,563
Production O&M Expense	\$45,594,822	\$0	\$0	\$0	\$24,597,723	\$20,997,099
Transmission O&M Expense	\$13,143,113	\$0	\$0	\$0	\$13,143,113	\$0
Distribution O&M Expense	\$7,724,883	\$0	\$2,471,914	\$5,252,969	\$0	\$0
Other Costs and Revenues						
Other Operating Revenues	(\$4,089,271)	\$0	\$0	\$0	\$0	(\$4,089,271)
Customer Account Expense	\$8,913,855	\$8,913,855	\$0	\$0	\$0	\$0
Customer Service Expense	\$4,823,595	\$4,823,595	\$0	\$0	\$0	\$0
Administrative & General Expense	\$13,028,864	\$4,816,932	\$1,939,112	\$3,302,783	\$2,296,322	\$673,713
Taxes						
Taxes Other Than Income	\$6,377,148	\$2,530,489	\$1,052,500	\$1,782,642	\$844,569	\$166,949
Deferred Taxes	\$6,045,298	\$812,913	\$556,819	\$1,532,604	\$2,163,895	\$979,067
Federal and State Income Taxes	(\$7,038,999)	(\$946,536)	(\$648,346)	(\$1,784,527)	(\$2,519,586)	(\$1,140,002)
Total Investment Tax Credit	(\$144,133)	(\$19,382)	(\$13,276)	(\$36,541)	(\$51,592)	(\$23,343)
Incremental Income Tax (with Revenue Change)	\$3,524,646	\$473,960	\$324,647	\$893,568	\$1,261,635	\$570,835
Grand Total	\$149,364,089	\$22,644,987	\$12,453,457	\$33,970,966	\$55,378,833	\$24,915,847
	\$149,364,087					\$29
60% G&T to be recovered through fixed rates / 40% thru variable rates					\$33,227,300	\$22,151,533
Recovered through on-peak demand rates						
Remainder of Fixed G/T in On-Peak Adder Rates (if negative value, reduction in Energy Base adder)					\$33,227,300	\$0
Net G&T to be added to Base Energy Rates						\$22,151,533

	Customer Costs	Grid Connection	Demand Costs	Gen Tran Demand	Energy Costs
		Distribution		Generation and Transmission	
Per Day charges (Individual)	<u>\$0.43851</u>	<u>\$0.24116</u>			
Individual Customer and Grid Connection Charges shown as Monthly	\$13.34	\$7.34			
Total Customer and Grid Connection (monthly)		\$20.67			
Distribution Demand Costs: (Cost Based Customer Max Demand)			\$ 3.11960		
Distribution Demand Costs: (If recovered entirely through per kWh charge)			<u>\$0.04011</u>		
Generation / Transmission Costs through On-Peak Demand Charges				<u>\$6.54506</u>	
Generation / Transmission Costs (if recovered entirely through per kWh charges)				<u>\$0.06538</u>	
<u>Energy (with 40% Fixed G&amp;T in Base)</u>					
Base Energy Cost				\$	0.02942
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.02615
Fixed G&T not in Base, if recovered on total Energy				\$ 0.03923	
Base Energy Rate				\$	0.05557
<u>Energy if Trans 100% Base and G 40% Base</u>					
Base Energy Cost				\$	0.02942
Fixed G&T not recovered through On-Peak Demand or On-Peak Energy Adders				\$	0.03546
Fixed G&T not in Base, if recovered on total Energy				\$ 0.02992	
Base Energy Rate (Alt 2)				\$	0.06488
<u>Cost above Average LMP during On Peak hours:</u>					
OP 1 Winter				\$	0.00633
OP 1 Summer				\$	0.00656
OP 2 Winter				\$	0.00359
OP 2 Summer				\$	0.01582
OP 3 Winter				\$	0.00773
OP 3 Summer				\$	0.01066

Bill Statistics	Customers	Customers	Ratchet Demand	On Peak Demand	KWH (000)
	141,559	141,559	10,889,525	8,461,161	847,011

## ATTACHMENT C

### Natural Gas Cost of Service Study and Rate Design

**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124**

Attachment C  
Schedule 1  
Page 1 of 5

	TOTAL COMPANY	Residential Gen. & Sphtg. <u>RD-1</u>	Small Firm Comm & Ind <u>GSD-1</u>	Medium Firm Comm & Ind <u>GSD-2</u>	Large Firm Comm & Ind <u>GSD-3</u>	Large Volume Interruptible <u>IGD</u>	Seasonal Use <u>SUDS-1</u>	Steam&Power Generation: Dist Service <u>SP-1</u>	Admin Costs Tied to All Sales <u>FS-1 &amp; IS</u>	Daily Balancing Margin Costs <u>DBS-1</u>	Telemetering Costs <u>IS-1 &amp; DBS-1</u>
NON-GAS OPERATING REVENUES											
Utility Operating Margin Revenues	93,298,780	60,672,585	14,564,557	6,562,546	4,006,831	1,910,204	388,512	1,750,351	3,054,746	278,718	109,730
Other Non-gas Operating Revenues	<u>292,723</u>	<u>263,810</u>	<u>27,228</u>	<u>1,426</u>	<u>125</u>	<u>14</u>	<u>119</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Non-gas Operating Revenues	93,591,503	60,936,395	14,591,785	6,563,972	4,006,956	1,910,218	388,631	1,750,353	3,054,746	278,718	109,730
OPERATING EXPENSES											
Production	1,624,175	457,296	148,122	64,945	40,693	22,435	5,233	21,815	858,594	4,289	753
Natural Gas Storage	0	0	0	0	0	0	0	0	0	0	0
Transmission	0	0	0	0	0	0	0	0	0	0	0
Distribution	<u>47,555,297</u>	<u>30,804,476</u>	<u>8,265,869</u>	<u>3,323,065</u>	<u>2,072,920</u>	<u>1,023,538</u>	<u>268,994</u>	<u>979,189</u>	<u>615,321</u>	<u>163,379</u>	<u>38,546</u>
Total Operating Expenses	49,179,472	31,261,771	8,413,991	3,388,010	2,113,613	1,045,973	274,227	1,001,004	1,473,915	167,668	39,298
DEPRECIATION EXPENSES	16,137,304	10,402,280	2,680,149	1,350,223	773,537	326,582	94,914	432,624	(1)	0	76,996
TAXES OTHER THAN INCOME TAXES	3,279,501	1,501,451	390,954	199,979	127,594	72,191	14,565	67,184	897,260	4,193	4,130
INCOME BEFORE INCOME TAXES	24,995,226	17,770,893	3,106,691	1,625,760	992,211	465,471	4,926	249,540	683,572	106,856	(10,694)
INCOME TAXES											
Federal and State Income Taxes	118,763	77,232	18,540	8,354	5,100	2,432	495	2,228	3,888	355	140
Provision for Deferred Income Tax	6,217,250	4,043,104	970,554	437,315	267,007	127,292	25,890	116,640	203,562	18,573	7,312
ITC Adjustment - Net	<u>(23,398)</u>	<u>(15,216)</u>	<u>(3,653)</u>	<u>(1,646)</u>	<u>(1,005)</u>	<u>(479)</u>	<u>(97)</u>	<u>(439)</u>	<u>(766)</u>	<u>(70)</u>	<u>(28)</u>
	6,312,615	4,105,120	985,441	444,023	271,103	129,245	26,287	118,429	206,685	18,858	7,424
OPERATING INCOME	18,682,611	13,665,773	2,121,250	1,181,737	721,108	336,226	(21,361)	131,111	476,887	87,998	(18,118)
RATE BASE	299,318,789	187,294,187	48,428,551	24,800,329	14,168,769	6,345,215	1,802,539	7,991,110	8,416,247	0	71,841
CURRENT RETURN ON RATE BASE	6.2417%	7.30%	4.38%	4.77%	5.09%	5.30%	-1.19%	1.64%	5.67%	0.00%	-25.22%
PROPOSED CHANGE IN REVENUE REQUIREMENT	4,154,977	624,501	1,573,778	710,492	359,948	147,905	158,892	478,599	165,260	(87,998)	23,600
TAX EFFECT OF PROPOSED REV CHANGE ON OPI	<u>(1,131,857)</u>	<u>(708,243)</u>	<u>(183,130)</u>	<u>(93,781)</u>	<u>(53,578)</u>	<u>(23,994)</u>	<u>(6,816)</u>	<u>(30,218)</u>	<u>(31,826)</u>	<u>0</u>	<u>(272)</u>
NET CHANGE IN OPERATION INCOME	3,023,120	(83,741)	1,390,648	616,711	306,370	123,911	152,076	448,381	133,434	(87,998)	23,328
PLUS CURRENT OPERATING INCOME (FROM ABI)	<u>18,682,611</u>	<u>13,665,773</u>	<u>2,121,250</u>	<u>1,181,737</u>	<u>721,108</u>	<u>336,226</u>	<u>(21,361)</u>	<u>131,111</u>	<u>476,887</u>	<u>87,998</u>	<u>(18,118)</u>
OPERATING INCOME AT PROPOSED CHANGE	21,705,731	\$13,582,032	\$3,511,898	\$1,798,448	\$1,027,478	\$460,137	\$130,715	\$579,492	\$610,322	\$0	\$5,210
RETURN ON RATE BASE @ COSS	7.2517%	7.25%	7.25%	7.25%	7.25%	7.25%	7.25%	7.25%	7.25%	0.00%	7.25%
MARGIN REVENUE REQUIREMENT @ COSS	97,746,480	61,560,896	16,165,562	7,274,465	4,366,904	2,058,122	547,524	2,228,951	3,220,006	190,720	133,330
Less Other Operating Revenues	<u>292,723</u>	<u>263,810</u>	<u>27,228</u>	<u>1,426</u>	<u>125</u>	<u>14</u>	<u>119</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>
MARGIN REVENUES FROM RATES	97,453,757	\$61,297,086	\$16,138,335	\$7,273,038	\$4,366,779	\$2,058,109	\$547,404	\$2,228,950	\$3,220,006	\$190,720	\$133,330



**MADISON GAS AND ELECTRIC COMPANY  
DOCKET 3270-UR-124  
NATURAL GAS BILLING STATISTICS AND REVENUES  
FOR THE YEAR JANUARY 1 - DECEMBER 31, 2022**

Attachment C  
Schedule 1  
Page 2 of 5

Rate Class		Volumes Therms	2022 Proposed COG Revenues	Present Margin Revenues	TOTAL Revenues	2022 Proposed COG Revenues	2022 Proposed Margin Revenues	2022 Proposed TOTAL Revenues	Proposed Dollar Adjustment	[1] Proposed Percentage Adjustment
<b>RD-1</b>	Residential Distribution - Firm Sales	111,748,054		\$62,281,757			\$64,259,698		\$1,977,941	3.18%
	Act 141 - Credit Amount			\$0						
	<b>TOTAL RESIDENTIAL DISTRIBUTION REVENUE</b>	<b>111,748,054</b>	<b>\$49,605,055</b>	<b>\$62,281,757</b>	<b>\$111,886,812</b>	<b>\$49,605,055</b>	<b>\$64,259,698</b>	<b>\$113,864,753</b>	<b>\$1,977,941</b>	<b>1.77%</b>
<b>GSD-1</b>	Firm Sales (FS-1)	56,065,318		\$15,355,072			\$16,442,739		\$1,087,667	7.08%
<b>GSD-1</b>	Interruptible Sales (IS-1)	15,454		\$3,536			\$3,836		\$300	8.48%
<b>GSD-1</b>	Daily Balancing Service (DBS-1)	108,650		\$36,052			\$38,159		\$2,107	5.84%
<b>GSD-1</b>	Interdepartmental with Firm Sales (FS-1)	109,743		\$28,261			\$30,390		\$2,129	7.53%
	Act 141 - Fixed Amount			\$1,513			\$1,280			
	Act 141 - Credit Amount			-\$35,913			-\$29,291			
	<b>TOTAL SMALL COMMERCIAL &amp; INDUSTRIAL DISTRIBUTION REVENUE</b>	<b>56,299,165</b>	<b>\$24,879,895</b>	<b>\$15,388,521</b>	<b>\$40,268,416</b>	<b>\$24,879,895</b>	<b>\$16,487,113</b>	<b>\$41,367,008</b>	<b>\$1,098,592</b>	<b>2.73%</b>
<b>GSD-2</b>	Firm Sales (FS-1)	32,735,478		\$5,674,117			\$6,057,122		\$383,005	6.75%
<b>GSD-2</b>	Interruptible Sales (IS-1)	655,650		\$107,629			\$115,300		\$7,671	7.13%
<b>GSD-2</b>	Interruptible Sales and Firm Sales Nomination - Firm	185,279		\$26,662			\$28,830		\$2,168	8.13%
<b>GSD-2</b>	Interruptible Sales and Firm Sales Nomination - Interruptible	359,242		\$64,484			\$68,687		\$4,203	6.52%
<b>GSD-2</b>	Daily Balancing Service (DBS-1)	7,779,300		\$1,407,632			\$1,498,649		\$91,017	6.47%
<b>GSD-2</b>	Interdepartmental with Firm Sales (FS-1)	67,139		\$12,376			\$13,162		\$786	6.35%
	Act 141 - Fixed Amount			\$2,065			\$1,953			
	Act 141 - Credit Amount			-\$89,867			-\$73,295			
	<b>TOTAL MEDIUM COMMERCIAL &amp; INDUSTRIAL DISTRIBUTION REVENUE</b>	<b>41,782,088</b>	<b>\$14,893,679</b>	<b>\$7,205,098</b>	<b>\$22,098,777</b>	<b>\$14,893,679</b>	<b>\$7,710,408</b>	<b>\$22,604,087</b>	<b>\$505,310</b>	<b>2.29%</b>
<b>GSD-3</b>	Firm Sales (FS-1)	4,138,015		\$532,250			\$553,768		\$21,518	4.04%
<b>GSD-3</b>	Interruptible Sales (IS-1)	1,738,669		\$207,618			\$216,659		\$9,041	4.35%
<b>GSD-3</b>	Interruptible Sales and Firm Sales Nomination - Firm	219,000		\$21,003			\$22,141		\$1,138	5.42%
<b>GSD-3</b>	Interruptible Sales and Firm Sales Nomination - Interruptible	552,200		\$63,177			\$66,049		\$2,872	4.55%
<b>GSD-3</b>	Daily Balancing Service (DBS-1)	33,777,397		\$3,558,378			\$3,734,020		\$175,642	4.94%
	Act 141 - Fixed Amount			\$1,120			\$831			
	Act 141 - Credit Amount			-\$197,169			-\$160,812			
	<b>TOTAL LARGE COMMERCIAL &amp; INDUSTRIAL DISTRIBUTION REVENUE</b>	<b>40,425,281</b>	<b>\$2,697,769</b>	<b>\$4,186,377</b>	<b>\$6,884,146</b>	<b>\$2,697,769</b>	<b>\$4,432,656</b>	<b>\$7,130,425</b>	<b>\$246,278</b>	<b>3.58%</b>
<b>GSD-3D</b>	Firm Sales (FS-1)	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Interruptible Sales (IS-1)	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Interruptible Sales and Firm Sales Nomination - Firm	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Interruptible Sales and Firm Sales Nomination - Interruptible	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Daily Balancing Service (DBS-1)	-		\$0			\$0		\$0	0.00%
	Act 141 - Fixed Amount			\$0			\$0			
	Act 141 - Credit Amount			\$0			\$0			
	<b>TOTAL LARGE COMMERCIAL &amp; INDUSTRIAL DEMAND DISTRIBUTION REVENUE</b>	<b>-</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>0.00%</b>
<b>IGD-1</b>	Interruptible Large Boiler Sales (IS-2)	558,533		\$462,342			\$464,408		\$2,066	0.45%
<b>IGD-1</b>	Daily Balancing Service (DBS-1)	38,251,525		\$1,555,816			\$1,697,347		\$141,531	9.10%
<b>IGD-1</b>	Large Annual Use Gas Sales (LS-1)	-		\$0			\$0		\$0	0.00%
	Act 141 Charge			\$9,065			\$9,065			
	<b>TOTAL INTERRUPTIBLE GENERATION DISTRIBUTION REVENUE</b>	<b>38,810,058</b>	<b>\$185,363</b>	<b>\$2,027,223</b>	<b>\$2,212,586</b>	<b>\$185,363</b>	<b>\$2,170,820</b>	<b>\$2,356,499</b>	<b>\$143,913</b>	<b>6.50%</b>
<b>SP-1</b>	Large Annual Use Gas Sales (LS-1)	19,123,010		\$1,772,187			\$1,906,048		\$133,861	7.55%
	Act 141 Charge			\$7,912			\$7,912			
	<b>TOTAL STEAM AND POWER GENERATION GAS DISTRIBUTION REVENUE</b>	<b>19,123,010</b>	<b>\$7,018,728</b>	<b>\$1,780,099</b>	<b>\$8,798,828</b>	<b>\$7,018,728</b>	<b>\$1,913,960</b>	<b>\$8,932,689</b>	<b>\$133,861</b>	<b>1.52%</b>
<b>SUDS-1</b>	Interruptible Sales (IS-1)	2,125,483		\$347,397			\$385,231		\$37,834	10.89%
<b>SUDS-1</b>	Daily Balancing Service (DBS-1)	555,250		\$88,051			\$97,936		\$9,885	11.23%
	Act 141 - Fixed Amount			\$67			\$68			
	Act 141 - Credit Amount			-\$5,810			-\$4,739			
	<b>TOTAL SEASONAL USE DISTRIBUTION REVENUES</b>	<b>2,680,733</b>	<b>\$732,496</b>	<b>\$429,705</b>	<b>\$1,162,201</b>	<b>\$732,496</b>	<b>\$478,496</b>	<b>\$1,210,991</b>	<b>\$48,791</b>	<b>4.20%</b>
	Company Use	240,339								
<b>TOTAL VOLUMES AND REVENUES</b>		<b>311,108,728</b>	<b>\$100,012,985</b>	<b>\$93,298,780</b>	<b>\$193,311,766</b>	<b>\$100,012,985</b>	<b>\$97,453,151</b>	<b>\$197,466,452</b>	<b>\$4,154,687</b>	<b>2.15%</b>

[1] The proposed percentage adjustment for individual rate class categories does not include Act 141 fixed or credit amounts. The percentage adjustment also excludes cost of gas revenues.  
The total class level revenues does include Act 141 fixed and credit amounts and cost of gas revenues.

**MADISON GAS AND ELECTRIC COMPANY**  
**Docket 3270-UR-124**  
**Proposed Rates for Test Year - 2022**

**Attachment C**  
**Schedule 1**  
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Distribution Service			Supply Options					
			Firm Sales			Interruptible Sales		
	Present Margin	Proposed Margin	FS Margin	COG <sup>(1)</sup>	Bundled	IS Margin	COG	Bundled
<b>Residential, RD-1</b>								
	\$21.88	\$21.88						
Basic Customer Charge (per day)	\$ 0.4415	\$ 0.4415			\$ 0.4415			N/A
System Connection Charge (per day)	\$ 0.2780	\$ 0.2780			\$ 0.2780			\$0.3600
Distribution Margin (per therm)	\$ 0.1796	\$ 0.1973	\$ 0.0144	\$ 0.4063	\$ 0.6180	N/A	N/A	N/A
(Winter per therm)	(Same Margin Rates)			\$ 0.4566	\$ 0.6683	N/A	N/A	N/A
Act 141 Charge	\$ 0.0094	N/A				N/A	N/A	N/A
<b>Small Commercial &amp; Indust., GSD-1</b>								
	\$24.33	\$24.33						
Basic Customer Charge (per day)	\$ 0.4400	\$ 0.4400			\$ 0.4400			\$0.4400
System Connection Charge (per day)	\$ 0.3600	\$ 0.3600			\$ 0.3600			\$0.3600
Distribution Margin (per therm)	\$ 0.1766	\$ 0.1960	\$ 0.0144	\$ 0.4063	\$ 0.6167	\$ 0.0144	\$ 0.3486 <sup>(2)</sup>	\$0.5590
(Winter per therm)	(Same Margin Rates)			\$ 0.4566	\$ 0.6670	(Same rates apply)		
Act 141 Charge	\$ 0.0141	\$ (0.0115)			\$ (0.0115)			(0.0115)
<b>Medium Commercial &amp; Indust., GSD-2</b>								
	\$113.14	\$113.14						
Basic Customer Charge (per day)	\$ 0.6413	\$ 0.6413			\$ 0.6413			\$0.6413
System Connection Charge (per day)	\$ 3.0783	\$ 3.0783			\$ 3.0783			\$3.078
Distribution Margin (per therm)	\$ 0.1320	\$ 0.1437	\$ 0.0119	\$ 0.4063	\$ 0.5619	\$ 0.0119	\$ 0.3486 <sup>(2)</sup>	\$0.5042
(Winter per therm)	(Same Margin Rates)			\$ 0.4566	\$ 0.6122	(Same rates apply)		
Act 141 Charge	\$ 0.0141	\$ (0.0115)			\$ (0.0115)			(0.0115)
<b>Large Commercial &amp; Indust., GSD-3</b>								
	\$806.04	\$806.04						
Basic Customer Charge (per day)	\$ 1.6600	\$ 1.6600			\$ 1.6600			\$ 1.6600
System Connection Charge (per day)	\$ 24.8400	\$ 24.8400			\$ 24.8400			24.8400 <sup>c</sup>
Distribution Margin (per therm)	\$ 0.0865	\$ 0.0917	\$ 0.0094	\$ 0.4063	\$ 0.5074	\$ 0.0094	\$ 0.3486 <sup>(2)</sup>	\$0.4497
(Winter per therm)	(Same Margin Rates)			\$ 0.4566	\$ 0.5577	(Same rates apply)		
Act 141 Charge	\$ 0.0141	\$ (0.0115)			\$ (0.0115)			(0.0115)
<b>Interruptible Generation, IGD-1</b>								
	\$4,562.50	\$4,562.50						
Customer Charge (per day)	\$ 150.00	\$ 150.00				\$ 50.00		\$ 200.00
Distribution Margin (per therm)	\$ 0.0377	\$ 0.0414	N/A	N/A	N/A	\$ -	\$ 0.3386	\$0.3800
Act 141 Charge	\$ -	\$ -			\$ -			\$0.0000
<b>Steam and Power Generation Gas Distribution (SP-1)</b>								
	\$76,041.68	\$76,041.68						
Customer Charge (per day)	\$ 2,500.00	\$ 2,500.00				\$ 80.00		\$ 2,580.00
Distribution Margin (per therm)	\$ 0.0434	\$ 0.0504	N/A	N/A	N/A	\$ -	\$ 0.3386 <sup>(3)</sup>	\$0.3890
Act 141 Charge	\$ -	\$ -			\$ -			\$0.0000
<b>Season Use Distribution., SUDS-1</b>								
	\$45.63	\$45.63						
Customer Charge (per day)	\$ 1.5000	\$ 1.5000						\$1.5000
NEW Distribution Margin for first 5,000 (therms per cycle bill)	\$ 0.1415	\$ 0.1593	N/A	N/A	N/A			
NEW Distribution Margin for usage > 20,000 (therms per cycle bill)	\$ 0.1265	\$ 0.1443	N/A	N/A	N/A	\$ 0.0144	\$ 0.3486	\$0.5073
On-Peak Distribution	\$ 0.1000	\$ 0.1000						
Act 141 Cost	\$ 0.0141	\$ (0.0115)			\$ (0.0115)			(0.0115)
<b>Large C&amp;I Distribution w/Demand (GSD-3D)</b>								
	\$806.04	\$806.04						
Basic Customer Charge (per day)	\$ 1.6600	\$ 1.6600			\$1.6600			\$1.6600
System Connection Charge (per day)	\$ 24.8400	\$ 24.8400			\$24.8400			\$24.8400
Distribution Margin (per therm)	\$ 0.0422	\$ 0.0422	\$ 0.0094	\$0.4063	\$0.5074	\$ 0.0094	\$ 0.3486 <sup>(3)</sup>	\$0.4002
Demand Billing Determinant	\$ 0.0148	\$ 0.0148						
(Winter per therm)	(Same Margin Rates)			\$0.4566	\$0.5577			
Act 141 Charge	\$ 0.0141	\$ (0.0115)			(0.0115)			
<b>Administrative Charges for Supply Options:</b>			<b>Cost of Gas Rate Factors:</b>					
IS-1 Administrative Charge for RD-1 and GSD-1 (per therm)	\$ 0.0144	\$ 0.0144 <sup>(2)</sup>	Base Average Annual Demand (D-1 Annual)			\$ 0.0577		
Added Margin for Firm RD-1 and GSD-1 Sales (per therm)	<u>N/A</u>	<u>N/A</u>	Base Average Seasonal Demand (D-1 Winter)			\$ 0.0503		
Total FS-1 Admin. Charge for RD-1 and GSD-1(per therm)	\$ 0.0144	\$ 0.0144	Base Average LS-1 Reservatioin			\$ 0.0237		
			Base Average Commodity			\$ 0.3386		
IS-1 Administrative Charge for GSD-2 (per therm)	\$ 0.0119	\$ 0.0119	Base Average Balancing Reservation			\$ 0.0100		
Added Margin for Firm GSD-2 Sales (per therm)	<u>N/A</u>	<u>N/A</u>						
Total FS-1 Admin. Charge for GSD-2 (per therm)	\$ 0.0119	\$ 0.0119						
IS-1 Administrative Charge for GSD-3 (per therm)	\$ 0.0094	\$ 0.0094						
Added Margin for Firm GSD-3 Sales (per therm)	<u>N/A</u>	<u>N/A</u>						
Total FS-1 Admin. Charge for GSD-3 (per therm)	\$ 0.0094	\$ 0.0094						
IS-2 Service Charge (per cust. per day)	\$ 50.00	\$ 50.00						
LS-1 Service Charge (per cust. Per day)	\$ 80.00	\$ 80.00						
Telemetry Charge (per cust. per day)	\$ 1.50	\$ 1.50						
DBS Admin. Charge (per cust. per day)	\$ 4.30	\$ 4.30						

**Notes:**

(1) The firm COG has a seasonal demand rate component, so a Summer and Winter COG are illustrated.

(2) These rates will also be adjusted through a monthly PGA

The IS-2 Commodity Cost of Gas is the system commodity cost of gas + pipeline overrun cost + Interruptible Market Reservation rate (75%).

(3) The LS-1 base cost of gas for system priced supply is similar to IS-2. It does not include gas supplied out of storage

**MADISON GAS AND ELECTRIC COMPANY**  
**DOCKET 3270-UR-124**  
**NATURAL GAS BILLING STATISTICS AND REVENUES**  
**FOR THE YEAR JANUARY 1 - DECEMBER 31, 2023**

Attachment C  
Schedule 1  
Page 4 of 5

Rate Class		Volumes Therms	2023 Proposed COG Revenues	Present Margin Revenues	TOTAL Revenues	2023 Proposed COG Revenues	2023 Proposed Margin Revenues	2023 Proposed TOTAL Revenues	Proposed Dollar Adjustment	[1] Proposed Percentage Adjustment
<b>RD-1</b>	Residential Distribution - Firm Sales	111,844,530		\$64,935,703						
	Act 141 - Credit Amount			\$0					\$425,009	0.65%
	<b>TOTAL RESIDENTIAL DISTRIBUTION REVENUE</b>	<b>111,844,530</b>	<b>\$45,018,450</b>	<b>\$64,935,703</b>	<b>\$109,954,153</b>	<b>\$45,018,450</b>	<b>\$65,360,712</b>	<b>\$110,379,162</b>	<b>\$425,009</b>	<b>0.39%</b>
<b>GSD-1</b>	Firm Sales (FS-1)	57,247,345		\$16,712,511			\$17,262,085		\$549,574	3.29%
<b>GSD-1</b>	Interruptible Sales (IS-1)	15,454		\$3,836			\$3,984		\$148	3.86%
<b>GSD-1</b>	Daily Balancing Service (DBS-1)	108,650		\$38,159			\$39,202		\$1,043	2.73%
<b>GSD-1</b>	Interdepartmental with Firm Sales (FS-1)	109,743		\$30,390			\$31,443		\$1,053	3.46%
	Act 141 - Fixed Amount			\$1,280			\$1,280			
	Act 141 - Credit Amount			-\$29,291			-\$28,272			
	<b>TOTAL SMALL COMMERCIAL &amp; INDUSTRIAL DISTRIBUTION REVENUE</b>	<b>57,481,192</b>	<b>\$23,030,462</b>	<b>\$16,756,885</b>	<b>\$39,787,347</b>	<b>\$23,030,462</b>	<b>\$17,309,722</b>	<b>\$40,340,184</b>	<b>\$552,837</b>	<b>1.39%</b>
<b>GSD-2</b>	Firm Sales (FS-1)	34,106,680		\$6,296,276			\$6,603,236		\$306,960	4.88%
<b>GSD-2</b>	Interruptible Sales (IS-1)	655,010		\$115,201			\$121,096		\$5,895	5.12%
<b>GSD-2</b>	Interruptible Sales and Firm Sales Nomination - Firm	185,042		\$28,793			\$30,458		\$1,665	5.78%
<b>GSD-2</b>	Interruptible Sales and Firm Sales Nomination - Interruptible	357,833		\$68,468			\$71,688		\$3,220	4.70%
<b>GSD-2</b>	Daily Balancing Service (DBS-1)	7,779,300		\$1,498,649			\$1,568,663		\$70,014	4.67%
<b>GSD-2</b>	Interdepartmental with Firm Sales (FS-1)	67,139		\$13,162			\$13,766		\$604	4.59%
	Act 141 - Fixed Amount			\$1,953			\$1,953			
	Act 141 - Credit Amount			-\$73,295			-\$70,746			
	<b>TOTAL MEDIUM COMMERCIAL &amp; INDUSTRIAL DISTRIBUTION REVENUE</b>	<b>43,151,004</b>	<b>\$14,041,475</b>	<b>\$7,949,207</b>	<b>\$21,990,682</b>	<b>\$14,041,475</b>	<b>\$8,340,114</b>	<b>\$22,381,589</b>	<b>\$390,907</b>	<b>1.78%</b>
<b>GSD-3</b>	Firm Sales (FS-1)	4,242,012		\$564,283			\$602,461		\$38,178	6.77%
<b>GSD-3</b>	Interruptible Sales (IS-1)	1,735,217		\$216,310			\$231,927		\$15,617	7.22%
<b>GSD-3</b>	Interruptible Sales and Firm Sales Nomination - Firm	219,000		\$22,141			\$24,112		\$1,971	8.90%
<b>GSD-3</b>	Interruptible Sales and Firm Sales Nomination - Interruptible	552,200		\$66,049			\$71,019		\$4,970	7.52%
<b>GSD-3</b>	Daily Balancing Service (DBS-1)	34,857,414		\$3,868,428			\$4,182,145		\$313,717	8.11%
	Act 141 - Fixed Amount			\$831			\$831			
	Act 141 - Credit Amount			-\$160,812			-\$155,219			
	<b>TOTAL LARGE COMMERCIAL &amp; INDUSTRIAL DISTRIBUTION REVENUE</b>	<b>41,605,843</b>	<b>\$2,477,842</b>	<b>\$4,577,230</b>	<b>\$7,055,072</b>	<b>\$2,477,842</b>	<b>\$4,957,276</b>	<b>\$7,435,118</b>	<b>\$380,046</b>	<b>5.39%</b>
<b>GSD-3D</b>	Firm Sales (FS-1)	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Interruptible Sales (IS-1)	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Interruptible Sales and Firm Sales Nomination - Firm	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Interruptible Sales and Firm Sales Nomination - Interruptible	-		\$0			\$0		\$0	0.00%
<b>GSD-3D</b>	Daily Balancing Service (DBS-1)	-		\$0			\$0		\$0	0.00%
	Act 141 - Fixed Amount			\$0			\$0			
	Act 141 - Credit Amount			\$0			\$0			
	<b>TOTAL LARGE COMMERCIAL &amp; INDUSTRIAL DEMAND DISTRIBUTION REVENUE</b>	<b>-</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>0.00%</b>
<b>IGD-1</b>	Interruptible Large Boiler Sales (IS-2)	781,127		\$473,624			\$474,483		\$859	0.18%
<b>IGD-1</b>	Daily Balancing Service (DBS-1)	38,251,525		\$1,697,347			\$1,739,424		\$42,077	2.48%
<b>IGD-1</b>	Large Annual Use Gas Sales (LS-1)	-		\$0			\$0		\$0	0.00%
	Act 141 Charge			\$9,381			\$9,381			
	<b>TOTAL INTERRUPTIBLE GENERATION DISTRIBUTION REVENUE</b>	<b>39,032,652</b>	<b>\$227,807</b>	<b>\$2,180,352</b>	<b>\$2,408,159</b>	<b>\$227,807</b>	<b>\$2,223,288</b>	<b>\$2,451,095</b>	<b>\$42,936</b>	<b>1.78%</b>
<b>SP-1</b>	Large Annual Use Gas Sales (LS-1)	23,157,399		\$2,109,381			\$2,144,117		\$34,736	1.65%
	Act 141 Charge			\$9,942			\$9,000			
	<b>TOTAL STEAM AND POWER GENERATION GAS DISTRIBUTION REVENUE</b>	<b>23,157,399</b>	<b>\$7,293,640</b>	<b>\$2,119,323</b>	<b>\$9,412,964</b>	<b>\$7,293,640</b>	<b>\$2,153,117</b>	<b>\$9,446,757</b>	<b>\$33,794</b>	<b>0.36%</b>
<b>SUDS-1</b>	Interruptible Sales (IS-1)	2,125,483		\$385,231			\$386,931		\$1,700	0.44%
<b>SUDS-1</b>	Daily Balancing Service (DBS-1)	555,250		\$97,936			\$98,379		\$443	0.45%
	Act 141 - Fixed Amount			\$68			\$68			
	Act 141 - Credit Amount			-\$4,739			-\$4,574			
	<b>TOTAL SEASONAL USE DISTRIBUTION REVENUES</b>	<b>2,680,733</b>	<b>\$658,013</b>	<b>\$478,496</b>	<b>\$1,136,509</b>	<b>\$658,013</b>	<b>\$480,804</b>	<b>\$1,138,817</b>	<b>\$2,308</b>	<b>0.20%</b>
	Company Use	240,339								
<b>TOTAL VOLUMES AND REVENUES</b>		<b>319,193,692</b>	<b>\$92,747,690</b>	<b>\$98,997,196</b>	<b>\$191,744,886</b>	<b>\$92,747,690</b>	<b>\$100,825,033</b>	<b>\$193,572,723</b>	<b>\$1,827,837</b>	<b>0.95%</b>

[1] The proposed percentage adjustment for individual rate class categories does not include Act 141 fixed or credit amounts. The percentage adjustment also excludes cost of gas revenues.  
The total class level revenues does include Act 141 fixed and credit amounts and cost of gas revenues.

**MADISON GAS AND ELECTRIC COMPANY**  
**Docket 3270-UR-124**  
**Proposed Rates for Test Year 2023**

**Attachment C**  
**Schedule 1**  
**Page 5 of 5**

Distribution Service			Supply Options								
			Firm Sales			Interruptible Sales					
	Present Margin	Proposed Margin	FS Margin	COG <sup>(1)</sup>	Bundled	IS Margin	COG	Bundled			
<b>Residential, RD-1</b>											
	\$21.88	\$21.88									
Basic Customer Charge (per day)	\$ 0.4415	\$ 0.4415			\$ 0.4415			N/A			
System Connection Charge (per day)	\$ 0.2780	\$ 0.2780			\$ 0.2780						
Distribution Margin (per therm)	\$ 0.1973	\$ 0.2011	\$ 0.0144	\$ 0.3647	\$ 0.5802	N/A	N/A	N/A			
(Winter per therm)	(Same Margin Rates)			\$ 0.4144	\$ 0.6299	N/A	N/A	N/A			
Act 141 Charge	\$ 0.0094	\$ -			\$ -	N/A	N/A	N/A			
<b>Small Commercial &amp; Indust., GSD-1</b>											
	\$24.33	\$24.33									
Basic Customer Charge (per day)	\$ 0.4400	\$ 0.4400			\$ 0.4400			\$0.4400			
System Connection Charge (per day)	\$ 0.3600	\$ 0.3600			\$ 0.3600			\$0.3600			
Distribution Margin (per therm)	\$ 0.1960	\$ 0.2056	\$ 0.0144	\$ 0.3647	\$ 0.5847	\$ 0.0144	\$ 0.3079 <sup>(2)</sup>	\$0.5279			
(Winter per therm)	(Same Margin Rates)			\$ 0.4144	\$ 0.6344	(Same rates apply)					
Act 141 Charge	\$ 0.0115	\$ 0.0111			\$ 0.0111			\$0.0111			
<b>Medium Commercial &amp; Indust., GSD-2</b>											
	\$113.14	\$113.14									
Basic Customer Charge (per day)	\$ 0.6413	\$ 0.6413			\$ 0.6413			\$0.6413			
System Connection Charge (per day)	\$ 3.0783	\$ 3.0783			\$ 3.0783			\$3.078			
Distribution Margin (per therm)	\$ 0.1437	\$ 0.1527	\$ 0.0119	\$ 0.3647	\$ 0.5293	\$ 0.0119	\$ 0.3079 <sup>(2)</sup>	\$0.4725			
(Winter per therm)	(Same Margin Rates)			\$ 0.4144	\$ 0.5790	(Same rates apply)					
Act 141 Charge	\$ 0.0115	\$ 0.0111			\$ 0.0111			\$0.0111			
<b>Large Commercial &amp; Indust., GSD-3</b>											
	\$806.04	\$806.04									
Basic Customer Charge (per day)	\$ 1.6600	\$ 1.6600			\$ 1.6600			\$ 1.6600			
System Connection Charge (per day)	\$ 24.8400	\$ 24.8400			\$ 24.8400			\$ 24.8400			
Distribution Margin (per therm)	\$ 0.0917	\$ 0.1007	\$ 0.0094	\$ 0.3647	\$ 0.4748	\$ 0.0094	\$ 0.3079 <sup>(2)</sup>	\$0.4180			
(Winter per therm)	(Same Margin Rates)			\$ 0.4144	\$ 0.5245	(Same rates apply)					
Act 141 Charge	\$ 0.0115	\$ 0.0111			\$ 0.0111			\$0.0111			
<b>Interruptible Generation, IGD-1</b>											
	\$4,562.50	\$4,562.50									
Customer Charge (per day)	\$ 150.00	\$ 150.00				\$ 50.00		\$ 200.00			
Distribution Margin (per therm)	\$ 0.0414	\$ 0.0425	N/A	N/A	N/A	\$ -	\$ 0.2980	\$0.3405			
Act 141 Charge	\$ -	\$ -			\$ -			\$0.0000			
<b>Steam and Power Generation Gas Distribution (SP-1)</b>											
	\$76,041.68	\$76,041.68									
Customer Charge (per day)	\$ 2,500.00	\$ 2,500.00				\$ 80.00		\$ 2,580.00			
Distribution Margin (per therm)	\$ 0.0504	\$ 0.0519	N/A	N/A	N/A	\$ -	\$ 0.2980 <sup>(3)</sup>	\$0.3499			
Act 141 Charge	\$ -	\$ -			\$ -			\$0.0000			
<b>Season Use Distribution., SUDS-1</b>											
	\$45.63	\$45.63									
Customer Charge (per day)	\$ 1.5000	\$ 1.5000						\$1.5000			
NEW Distribution Margin for first 5,000 (therms per cycle bill)	\$ 0.1593	\$ 0.1601	N/A	N/A	N/A						
NEW Distribution Margin for usage > 20,000 (therms per cycle bill)	\$ 0.1443	\$ 0.1451	N/A	N/A	N/A	\$ 0.0144	\$ 0.3079	\$0.4674			
On-Peak Distribution	\$ 0.1000	\$ 0.1000									
Act 141 Cost	\$ 0.0115	\$ 0.0111			\$ 0.0111			\$0.0111			
<b>Large C&amp;I Distribution w/Demand (GSD-3D)</b>											
	\$806.04	\$806.04									
Basic Customer Charge (per day)	\$ 1.6600	\$ 1.6600			\$1.6600			\$1.6600			
System Connection Charge (per day)	\$ 24.8400	\$ 24.8400			\$24.8400			\$24.8400			
Distribution Margin (per therm)	\$ 0.0422	\$ 0.0512	\$ 0.0094	\$ 0.3647	\$0.4748	\$ 0.0094	\$ 0.3079 <sup>(3)</sup>	\$0.3685			
Demand Billing Determinant	\$ 0.0148	\$ 0.0148									
(Winter per therm)	(Same Margin Rates)			\$0.4144	\$0.5245			\$0.0111			
Act 141 Charge	\$ 0.0115	\$ 0.0111			\$0.0111						
<b>Administrative Charges for Supply Options:</b>			<b>Cost of Gas Rate Factors:</b>								
IS-1 Administrative Charge for RD-1 and GSD-1 (per therm)	\$ 0.0144	\$ 0.0144	<sup>(2)</sup> Base Average Annual Demand (D-1 Annual)			\$ 0.0569					
Added Margin for Firm RD-1 and GSD-1 Sales (per therm)	N/A	N/A	Base Average Seasonal Demand (D-1 Winter)			\$ 0.0497					
Total FS-1 Admin. Charge for RD-1 and GSD-1(per therm)	\$ 0.0144	\$ 0.0144	Base Average LS-1 Reservation			\$ 0.0237					
			Base Average Commodity			\$ 0.2980					
IS-1 Administrative Charge for GSD-2 (per therm)	\$ 0.0119	\$ 0.0119	Base Average Balancing Reservation			\$ 0.0099					
Added Margin for Firm GSD-2 Sales (per therm)	N/A	N/A									
Total FS-1 Admin. Charge for GSD-2 (per therm)	\$ 0.0119	\$ 0.0119									
IS-1 Administrative Charge for GSD-3 (per therm)	\$ 0.0094	\$ 0.0094									
Added Margin for Firm GSD-3 Sales (per therm)	N/A	N/A									
Total FS-1 Admin. Charge for GSD-3 (per therm)	\$ 0.0094	\$ 0.0094									
IS-2 Service Charge (per cust. per day)	\$ 50.00	\$ 50.00									
LS-1 Service Charge (per cust. Per day)	\$ 80.00	\$ 80.00									
Telemetry Charge (per cust. per day)	\$ 1.50	\$ 1.50									
DBS Admin. Charge (per cust. per day)	\$ 4.30	\$ 4.30									
<b>Notes:</b>											
<sup>(1)</sup> The firm COG has a seasonal demand rate component, so a Summer and Winter COG are illustrated.			The IS-2 Commodity Cost of Gas is the system commodity cost of gas + pipeline overrun cost + Interruptible Market Reservation rate (75%).								
<sup>(2)</sup> These rates will also be adjusted through a monthly PGA			<sup>(3)</sup> The LS-1 base cost of gas for system priced supply is similar to IS-2. It does not include gas supplied out of storage								



## Daily Balancing Service

### CASHOUT MECHANISM (continued)

#### Cashout Price Supply Area Definitions

Several supply area prices are compared for the calculation of the Overtake Cashout Price and the Undertake Cashout Price as further described in their sections below. The descriptions for the components to be used in each supply area's pricing structure is defined as follows:

Supply Area	Index Designation <sup>(1)</sup>	Pipeline	Receipt Segment	Delivery Segment
SE	Louisiana - Onshore South - ANR, La.	ANR	Southeast Area (SE)	Northern (ML-7)
SW	Oklahoma - ANR, Okla.	ANR	Southwest Area (SW)	Northern (ML-7)
Joliet Hub	City Gates - Chicago - City Gates	ANR	Northern (ML-7)	Northern (ML-7)
NNG - Vent	Others - Northern (Ventura)	NNG	Market MID17	Market MID17
NNG - Demarc	Others - Northern (Demarc)	NNG	Market MID16B	Market MID17

<sup>(1)</sup> *Gas Daily's* "Weekly Weighted Average Prices" index identifier. In the event index changes or becomes unavailable, an industry-accepted equivalent will be substituted.

#### Overtake Charges

The Overtake Charge will be equal to the aggregated monthly imbalance volume within each Overtake Variance percentage bracket multiplied by the applicable percentage of the Cashout Price. The Overtake Variance percentage is calculated by dividing the monthly imbalance volumes by a Company-Administered Pool Customer's or Third-Party Pool's monthly confirmed natural gas nominations. Each respective Company-Administered Pool Customer or Third-Party Pooling Agent will pay the indicated percentage(s) of the Cashout Price for the quantities of Imbalance Volume that fall within each respective bracket. Cashout Charges will be billed monthly.

<u>Overtake Variance Percentage</u>	<u>Percentage of Overtake Cashout Price <sup>(1)</sup> Paid by Customer to Company</u>
> 0% and up to 3.5% .....	100%
> 3.5% and up to 10% .....	115%
> 10% and up to 15% .....	130%
> 15% and up to 20% .....	140%
> 20% .....	150%

R <sup>(1)</sup> See Sheet G-3.2 for the Overtake Cashout prices effective in the most recently completed cashout month.

For purposes of this provision, the Overtake Cashout Price is the higher of:

- R
1. The average of the highest four (4) weekly prices calculated price of all the defined supply areas for the month. Each price is calculated as follows: The price in the *Gas Daily* "Weekly Weighted Average Prices" table (of each week that ends during the billing month) reported for the Index Designation, or a calculated Weekly Weighted Average price (of each flow day Daily Price of applicable week), plus the appropriate Pipeline's Interruptible rate schedule transportation costs and surcharges and equivalent fuel costs from the Pipeline's Receipt Segment to the Pipeline's Delivery Segment plus the Company's interruptible gas supply administrative charge; or
  2. The weighted average delivered cost of gas filed in the Company's PGA plus the Company's interruptible gas supply administrative charge.



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## Purchased Gas Adjustment and Refund Provision

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### REFUND PROVISION (continued)

The Company will devise a crediting plan for prospectively returning the account balance to the customers. An outstanding refund account balance sufficient to decrease the gas rate paid by the average residential customer by the higher of \$0.00100 per therm, or \$5.00 per average residential customer, will be considered material for these purposes. This does not prohibit the Company from making refunds that would have an effect of less than \$0.004010 per therm or \$5.00 per average residential customer. The Company will inform the Commission of the crediting plan no later than the date the Company makes its first PGA filing after receiving the refund. The crediting plan will state the amount of the refund, the current refund account balance, and the distribution of the refund balance to services. In accordance with the crediting plan, each PGA filing will include a summary of the refund account balance by service category, the amount refunded through the PGA by service category for that month, and the remaining balance to be refunded to customers in future PGAs.

The following factors will be considered in determining the crediting plan as to how refund credits will be distributed to the various services.

1. Wholesale refunds will be distributed to services eligible to receive refunds on the same basis by which related costs were collected.
2. To the extent practicable, refund distributions for services provided will recognize the payment patterns authorized for those services provided over a recent full, one-year period.
3. The Company will develop an amortization schedule which appropriately distributes the refund credits for the service provided when executing multiple-month refund plans.

The following factors will be considered in determining how refund credits will be distributed to individual customers:

1. Prospective multi-month refund credits will be based on an amortization schedule and a resulting pattern of monthly refund credits which appropriately distribute the credit by the type of service and not by individual customer. Therefore, if the customer changes to another type of service during the refund credit period, the customer will then prospectively receive the refund credit level applicable to the new type of service. New active customers will receive the refund credit level applicable to the customer's type of service.
2. The Company will provide notice of the refund to customers by means of a billing message, identified credit, or insert.

The Company will credit interest to the refund account at the prevailing Federal Reserve Bank discount rate as most recently published in the weekly U.S. Financial Data prepared by the Federal Reserve Bank of St. Louis, on the outstanding average daily balance per month of the refund account, payable at the beginning of the following billing cycle.

The Company may file for approval from the Commission to offset refund proceeds with escrowed or other expenses related to Federal-level regulatory matters.

Notwithstanding the tariff provisions requiring prospective crediting of wholesale refunds, the Company may file for approval from the Commission to execute refunds by means of lump-sum payments or other means if the circumstances of the wholesale refund warrant doing so.

**Attachment D: Basic Customer Cost Methodology**  
**For Residential and Small Commercial Customers**

For any MGE electric or natural gas class cost allocation employing the “Basic Customer Cost” methodology, only the following utility accounts (and their directly related tax expense) may be classified as customer-related or varying and allocated on the basis of the number of utility customers. All other utility costs are to be allocated on a volumetric basis, whether demand or commodity (kWh or therm). Only these customer-classified costs may be used as the cost basis for determining monthly fixed charge rates (e.g. “Customer,” “Grid Connection”) for residential and small commercial customers. Pursuant to the Settlement Agreement, MGE and other settling parties are not required to support this Basic Customer Cost methodology.

<b>Electric Plant</b> <b>Distribution Plant</b> 369 Services 370 Meters 371 Installations on Customers’ Premises 372 Leased Property on Customers’ Premises  <b>Electric Expense</b> <b>Distribution Expenses</b> 586 Meter expenses 597 Maintenance of Meters	<b>Natural Gas Plant</b> <b>Distribution Plant</b> 380 Services 381 Meters 382 Meter installations 383 House Regulators 384 House Regulatory Installations 386 Other Property on Customers' Premises  <b>Natural Gas Expenses</b> <b>Distribution Expenses</b> 878 Meter and House Regulator Expenses 879 Customer Installation Expenses 892 Maintenance of Services 893 Maintenance of Meters and House Regulators
<b>Customer Accounts Expenses</b> 901 Supervision 902 Meter Reading Expenses 903 Customer Records and Collection Expenses 905 Miscellaneous Customer Accounts Expenses <b>Customer Service and Informational Expenses</b> 907 Supervision 908 Customer Assistance Expenses 909 Informational and Instructional Advertising Expenses 910 Miscellaneous Customer Service and Informational Expenses	

**Attachment D: Basic Customer Cost Methodology**  
**For Residential and Small Commercial Customers**

For any MGE electric or natural gas class cost allocation employing the “Basic Customer Cost” methodology, only the following utility accounts (and their directly related tax expense) may be classified as customer-related or varying and allocated on the basis of the number of utility customers. All other utility costs are to be allocated on a volumetric basis, whether demand or commodity (kWh or therm). Only these customer-classified costs may be used as the cost basis for determining monthly fixed charge rates (e.g. “Customer,” “Grid Connection”) for residential and small commercial customers. Pursuant to the Settlement Agreement, MGE and other settling parties are not required to support this Basic Customer Cost methodology.

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