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APPLICATION OF SOUTHWESTERN § PUBLIC UTILITY COMMISSION
PUBLIC SERVICE COMPANY TO §
ADJUST ITS ENERGY EFFICIENCY §
COST RECOVERY FACTOR § OF TEXAS

**DIRECT TESTIMONY
of
JEREMY M. LOVELADY**

on behalf of

SOUTHWESTERN PUBLIC SERVICE COMPANY

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GLOSSARY OF ACRONYMS AND DEFINED TERMS

<u>Acronym/Defined Term</u>	<u>Meaning</u>
AIP	Annual Incentive Program
Commission	Public Utility Commission of Texas
DSM	Demand-Side Management
EECRF	Energy Efficiency Cost Recovery Factor
EEPR	Energy Efficiency Plan and Report
EM&V	Evaluation, Measurement, and Verification
FERC	Federal Energy Regulatory Commission
kW	Kilowatt
kWh	Kilowatt-hour
MTP	Market-Transformation Program
MW	Megawatt
MWh	Megawatt-hour
Operating Companies	Northern States Power Company, a Minnesota corporation; Northern States Power Company, a Wisconsin corporation; Public Service Company of Colorado, a Colorado corporation; and SPS
PUHCA 1935	Public Utility Holding Company Act of 1935
PURA	Public Utility Regulatory Act
PY	Program Year
R&D	Research and Development
RCE	Rate Case Expense
Rule 25.181	16 Texas Administrative Code § 25.181
Rule 25.182	16 Texas Administrative Code § 25.182
Rule 25.245	16 Texas Administrative Code § 25.245

<u>Acronym/Defined Term</u>	<u>Meaning</u>
SIR	Savings-to-Investment Ratio
SOP	Standard Offer Program
SPS	Southwestern Public Service Company, a New Mexico corporation
Xcel Energy	Xcel Energy Inc.
XES	Xcel Energy Services Inc.

LIST OF ATTACHMENTS

<u>Attachment</u>	<u>Description</u>
JML-1	Calculation of SPS's 2022 Goal with Line Loss Details (<i>Filename: Attachment JML-1.xls</i>)
JML-2	Calculation of Net Benefits, Cost Effectiveness, and Performance Bonus for PY 2020 (<i>Filename: Attachment JML-2.xls</i>)
JML-3	Service Agreement between SPS and XES (<i>Filename: Non-Native Format</i>)
JML-4	Invoices and Receipts of Non-Labor Affiliate Expenses (<i>Filename: Non-Native Format</i>)
JML-5(USB)	Workpapers of Jeremy M. Lovelady (<i>Various files provided on USB</i>)

**DIRECT TESTIMONY
OF
JEREMY M. LOVELADY**

1 **I. WITNESS IDENTIFICATION AND QUALIFICATIONS**

2 **Q. Please state your name and business address.**

3 A. My name is Jeremy M. Lovelady. My business address is 1800 Larimer Street,
4 Denver, Colorado 80202.

5 **Q. On whose behalf are you testifying in this proceeding?**

6 A. I am filing testimony on behalf of Southwestern Public Service Company, a New
7 Mexico corporation (“SPS”) and wholly-owned electric utility subsidiary of Xcel
8 Energy Inc. (“Xcel Energy”). Xcel Energy is a utility holding company that owns
9 several electric and natural gas utility operating companies, a regulated natural
10 gas pipeline company, and three electric transmission companies.¹

11 **Q. By whom are you employed and in what position?**

12 A. I am employed by Xcel Energy Services Inc. (“XES”), the service company
13 subsidiary of Xcel Energy, as Senior Regulatory Analyst in the Policy and
14 Strategy group within the Customer and Innovation organization.

¹ Xcel Energy is the parent company of four wholly-owned electric utility operating companies: Northern States Power Company, a Minnesota corporation; Northern States Power Company, a Wisconsin corporation; Public Service Company of Colorado, a Colorado corporation; and SPS (“Operating Companies”). Xcel Energy’s natural gas pipeline company is WestGas InterState, Inc. Xcel Energy also has three transmission-only operating companies through its subsidiary Xcel Energy Transmission Holding Company, LLC: Xcel Energy Southwest Transmission Company, LLC; Xcel Energy Transmission Development Company, LLC; and Xcel Energy West Transmission Company, LLC, all of which are regulated by the Federal Energy Regulatory Commission (“FERC”).

1 **Q. Please briefly outline your responsibilities as Senior Regulatory Analyst,**
2 **Policy and Strategy.**

3 A. As a Senior Regulatory Analyst in the Policy and Strategy group within the
4 Customer and Innovation organization, my responsibilities are to: ensure that
5 Xcel Energy's energy efficiency and demand response programs in Texas, New
6 Mexico, and Colorado adhere to regulatory requirements and policies; track and
7 report on energy efficiency achievements and financial operations for SPS;
8 prepare demand side management ("DSM") regulatory reports and filings; and
9 analyze the cost-effectiveness of energy efficiency and load management
10 programs and portfolios for SPS. I am also responsible for ensuring that proper
11 measurement and verification is being conducted for all programs.

12 **Q. Please describe your educational background.**

13 A. I graduated from Amarillo College with an Associates of Science degree in
14 Business Administration in 2008 and from Wayland Baptist University with a
15 Bachelor's of Applied Science degree in Business Management in 2011.

16 **Q. Please describe your professional experience.**

17 A. I began my career as an Associate in Xcel Energy's Customer Contact Center in
18 2008 and held several positions within the Customer Care Organization until
19 December of 2010. I became the Records Specialist for SPS's Regulatory
20 Administration Department in 2011 and was promoted to the job of Regulatory
21 Administrator in 2012. In December 2013, I accepted a Case Specialist position
22 in Regulatory Administration for SPS managing all aspects of regulatory cases.

1 In August 2016, I accepted my current position as a Senior Regulatory Analyst
2 within the Customer and Innovation Department.

3 **Q. Have you testified or filed testimony before any regulatory authorities?**

4 A. Yes. I have submitted pre-filed testimony on behalf of SPS in the 2018, 2019 and
5 2020 EECRF proceedings, Docket Nos. 48324, 49495, and 50804, respectively.

1 **II. ASSIGNMENT, OVERVIEW, AND SUMMARY OF**
2 **RECOMMENDATIONS**

3 **Q. What is your assignment in this proceeding?**

4 A. I have several assignments in this proceeding. I generally describe Section 39.905
5 of the Public Utility Regulatory Act (“PURA”),² the statute requiring Texas
6 utilities to reduce demand and energy consumption by offering energy efficiency
7 programs to eligible customer classes,³ and provide an overview of 16 Tex.
8 Admin. Code §§ 25.181-.182 (“Rule 25.181” and “Rule 25.182,” respectively),
9 the Public Utility Commission of Texas’s (“Commission”) rule implementing
10 PURA’s energy efficiency mandate. I also:

- 11 (1) describe the relief sought by SPS in this proceeding and the
12 specific costs included in SPS’s EECRF, as authorized by Rule
13 25.181;
- 14 (2) present and discuss the calculation of the demand and energy
15 efficiency goals that SPS seeks to achieve in Program Year (“PY”)
16 2022;
- 17 (3) quantify the demand and energy amounts associated with industrial
18 customers who have opted out of SPS’s 2022 PY energy efficiency
19 programs in accordance with Rule 25.181(u);
- 20 (4) explain that the costs that SPS seeks to recover through the EECRF
21 are reasonable and consistent with Rule 25.182;
- 22 (5) explain that SPS’s affiliate expenses incurred from XES are
23 reasonable and appropriate for recovery under PURA Section
24 36.058;
- 25 (6) discuss SPS’s Low-Income program expenditures pursuant to Rule
26 25.181(p);

² PURA is codified at Tex. Util. Code Ann. §§ 11.001–66.016.

³ PURA § 39.905.

1 (7) discuss SPS's Evaluation, Measurement, and Verification
2 ("EM&V") costs; and

3 (8) discuss the calculation of SPS's performance bonus for 2020
4 pursuant to Rule 25.182(e).

5 I also introduce SPS's other witnesses, Bryan J. Whitson, Taylor J. Hurt, and
6 Jeremiah W. Cunningham, and I explain the scope of their testimony.

7 **Q. What does Mr. Whitson discuss in his testimony?**

8 A. Mr. Whitson describes the energy efficiency programs that SPS will offer in
9 PY 2022. He projects the costs of those programs and demonstrates those costs
10 are reasonable. He also sponsors SPS's 2021 Amended EEPR. In addition, Mr.
11 Whitson provides the estimated useful life for each measure in each program,
12 discusses SPS's relationship with energy efficiency service providers, and
13 discusses SPS's energy and demand savings achievements for PY 2020.

14 **Q. What topics does Mr. Hurt discuss in his testimony?**

15 A. Mr. Hurt: (1) supports the allocation of costs among rate classes eligible to
16 participate in the energy efficiency programs whose costs are recovered through
17 the EECRF; (2) supports the forecasted PY 2022 billing determinants and the
18 proposed EECRF rate design; (3) demonstrates SPS's compliance with the
19 customer cost caps imposed by Rule 25.182(d)(7); (4) discusses SPS's net over-
20 recovery of EECRF revenues for PY 2020; and (5) sponsors the EECRF tariff
21 rider for PY 2022.

1 **Q. What does Mr. Cunningham address in his testimony?**

2 **A.** Mr. Cunningham describes and supports the reasonableness of SPS's rate case
3 expenses ("RCEs") incurred in preparing, prosecuting, and settling Docket No.
4 50804, its 2020 EECRF application. In particular, he describes the nature and
5 scope of SPS's filing in Docket No. 50804; describes the basis for the RCEs
6 addressed in this docket; and supports the reasonableness of the RCEs being
7 reviewed.

8 **Q. Please summarize the recommendations in your testimony.**

9 **A.** I recommend the Commission find that for PY 2022:

- 10 (1) the programs proposed by SPS are cost-effective;
- 11 (2) the performance bonus earned in 2020 meets the requirements of
12 Rule 25.182(e);
- 13 (3) the affiliate costs are reasonable as set forth under PURA § 36.058;
- 14 (4) the administrative and research and development ("R&D") costs
15 are lower than the caps set forth in Rule 25.181(g);
- 16 (5) the incentives forecasted to be paid are lower than the cap in Rule
17 25.181(f); and
- 18 (6) SPS reasonably anticipates achieving the required demand and
19 energy savings reductions.

20 Based on those findings, I recommend the Commission allow SPS to implement
21 an EECRF rider sufficient to recover \$6,339,374 during PY 2022. That amount
22 includes:

- 1 • SPS's forecasted energy efficiency costs in PY 2022 (including forecasted
2 incentives, R&D, and administrative costs) of \$4,229,379;⁴
- 3 • Projected EM&V expenses for PY 2021 in the amount of \$34,163;
- 4 • \$551,568 net over-recovery, including interest,⁵ of PY 2020 energy
5 efficiency costs;
- 6 • \$22,980 of rate case expenses incurred in Docket No. 50804, SPS's 2020
7 EECRF proceeding; and
- 8 • SPS's performance bonus of \$2,604,419 earned in accordance with Rule
9 25.182(e).

10 **Q. Were Attachments JML-1, JML-2, JML-4, and JML-5(CD) prepared by you**
11 **or under your direct supervision and control?**

12 A. Yes.

13 **Q. Is Attachment JML-3 a true and correct copy of the documents you**
14 **represent them to be?**

15 A. Yes.

⁴ \$3,706,311 incentives + \$157,968 program-specific administrative costs + \$205,100 general administrative costs + \$160,000 R&D.

⁵ \$534,521 in net over-recovery + \$17,048 in interest.

1 **III. SUMMARY OF STATUTORY AND RULE-BASED ENERGY**
2 **EFFICIENCY REQUIREMENTS**

3 **Q. Please provide a brief summary of the energy efficiency requirements in**
4 **PURA § 39.905.**

5 A. PURA § 39.905 requires electric utilities in Texas to offer and administer energy
6 efficiency incentive programs in a market-neutral, non-discriminatory manner.
7 To that end, each utility must provide, through market-based Standard Offer
8 Programs (“SOP”), targeted Market-Transformation Programs (“MTP”), or self-
9 delivered programs, incentives sufficient for:

10 retail electric providers and competitive energy service providers
11 to acquire additional cost-effective energy efficiency, subject to
12 cost ceilings established by the commission, for the utility’s
13 residential and commercial customers, equivalent to:

14 (A) not less than:

15 (i) 30% of the electric utility’s annual growth in
16 demand of residential and commercial customers by
17 December 31 of each year beginning with the 2013
18 calendar year; and
19 20

21 (ii) the amount of energy efficiency to be acquired for
22 the utility’s residential and commercial customers
23 for the most recent preceding year[.]⁶
24

25 The Legislature further directed the Commission to adopt rules and procedures to
26 ensure that utilities achieve the goals set forth in PURA § 39.905, including:

- 27 • establishing an EECRF to ensure timely and reasonable cost recovery for
28 utility energy efficiency expenditures;
- 29 • establishing an incentive under PURA § 36.204 to reward utilities that
30 exceed the minimum energy efficiency goals set forth in PURA § 39.905;

⁶ PURA § 39.905(a)(3)

- 1 • ensuring that the costs associated with energy efficiency programs and any
2 shareholder bonus awarded for exceptional performance are borne by the
3 customer classes that receive the services under the program; and
- 4 • ensuring that energy efficiency programs are evaluated, measured, and
5 verified using a framework established by the Commission that promotes
6 effective program design and consistent and streamlined reporting.

7 **Q. Does PURA § 39.905 apply to SPS?**

8 A. Yes. Although Chapter 39 of PURA does not apply to SPS for the most part, a
9 few sections of that chapter have been made applicable to SPS through PURA
10 § 39.402, which applies specifically to SPS. PURA § 39.402(a) expressly
11 requires SPS to comply with PURA § 39.905.

12 **Q. Has the Commission adopted rules implementing the legislative mandates in**
13 **PURA § 39.905?**

14 A. Yes. Rules 25.181 and 25.182 set forth the framework for utilities' energy
15 efficiency programs, including not only the methods to calculate energy and
16 demand reductions, but also the EECRF mechanism by which utilities can apply
17 to recover costs incurred for energy efficiency programs.

18 **Q. Please summarize the process by which utilities can apply for recovery of**
19 **energy efficiency costs through the EECRF.**

20 A. Rule 25.182(d) requires a utility to establish an EECRF to timely recover the
21 reasonable costs of providing a portfolio of energy efficiency programs. For a
22 utility that does not recover energy efficiency costs through base rates, the
23 EECRF shall be calculated to recover four things:

- 24 1. the utility's forecasted annual energy efficiency program
25 expenditures;

2. the preceding year's over- or under-recovery, including interest and the utility's EECRF proceeding expenses;
3. any performance bonus earned under Rule 25.182(e); and
4. any EM&V costs allocated to the utility by the Commission.

A utility that does not offer customer choice, such as SPS, must file its application for an EECRF no later than May 1 of each year. The presiding officer must then set a procedural schedule that will allow the Commission to issue a final order before January 1 of the following year, which is when the new EECRF will take effect.

Q. Does Rule 25.182 prescribe the contents of the application to establish the utility's EECRF?

A. Yes. Rule 25.182(d)(10) states that "[a] utility's application to establish or adjust an EECRF shall include the utility's most recent energy efficiency plan and report, consistent with §25.181(l) and §25.183(d) of this title, as well as testimony and schedules, in Excel format with formulas intact". For both the prior program year and the program year for which the proposed EECRF will be collected, the utility must set forth thirteen categories of information, to the extent they are applicable. In Table JML-1 below, I set forth these thirteen categories and identify where each element of required information is found in SPS's testimony and attachments:

Table JML-1

Rule 25.182(d)(10) Subsection	Requirement	Location in Testimony and Attachments
25.182(d)(10)(A)	The utility's forecasted energy efficiency costs.	<i>See:</i> Direct Testimony of Bryan J. Whitson at Section IV; Attachment BJW-1 at Section IV; and Direct Testimony of Taylor J. Hurt at Section IV; Attachment TJH-2.
25.182(d)(10)(B)	The actual base rate recovery of energy efficiency costs, adjusted for changes in load and usage subsequent to the last base rate proceeding, with supporting calculations.	SPS does not currently recover energy efficiency costs in base rates. <i>See</i> Direct Testimony of Bryan J. Whitson at Section IV; and Direct Testimony of Taylor J. Hurt at Section IV.
25.182(d)(10)(C)	The energy efficiency performance bonus that it calculates to have earned for the prior year.	<i>See:</i> Direct Testimony of Jeremy M. Lovelady at Section IX; and Direct Testimony of Taylor J. Hurt at Section IV.
25.182(d)(10)(D)	Any adjustment for past over- or under-recovery of energy efficiency revenues, including interest.	<i>See.</i> Direct Testimony of Jeremy M. Lovelady at Section II; and Direct Testimony of Bryan J. Whitson at Attachment BJW-1 at Section XII; and Direct Testimony of Taylor J. Hurt at Section IV and Attachment TJH-2.
25.182(d)(10)(E)	Information concerning the calculation of billing determinants for the preceding year and for the year in which the EECRF is expected to be in effect.	<i>See:</i> Direct Testimony of Taylor J. Hurt at Section VI and Attachment TJH-2.

Rule 25.182(d)(10) Subsection	Requirement	Location in Testimony and Attachments
25.182(d)(10)(F)	The direct assignment and allocation of energy efficiency costs to the utility's eligible rate classes, including any portion of energy efficiency costs included in base rates, provided that the utility's actual EECRF expenditures by rate class may deviate from the projected expenditures by rate class, to the extent doing so does not exceed the cost caps in Rule 25.182(d)(7).	<i>See</i> : Direct Testimony of Taylor J. Hurt at Sections V and VII, and Attachment TJH-2.
25.182(d)(10)(G)	Information concerning calculations related to the requirements of Rule 25.182(d)(7).	<i>See</i> : Direct Testimony of Taylor J. Hurt at Section VII, and Attachment TJH-2.
25.182(d)(10)(H)	The incentive payments by the utility, by program, including a list of each energy efficiency administrator and/or service provider receiving more than five percent of the utility's overall incentive payments and the percentage of the utility's incentives received by these providers.	<i>See</i> : Direct Testimony of Bryan J. Whitson at Attachment BJW-3(CONF).
25.182(d)(10)(I)	The utility's administrative costs, including any affiliate costs and EECRF proceeding expenses and an explanation of both.	<i>See</i> Direct Testimony of Jeremy M. Lovelady at Sections VI -IX; and Direct Testimony of Bryan J. Whitson at Attachment BJW-1 at Sections IV; and Direct Testimony of Jeremiah W. Cunningham at Attachment JWC-1 at Sections IV.
25.182(d)(10)(J)	The actual EECRF revenues by rate class for any period	<i>See</i> : Direct Testimony of Taylor J. Hurt at Sections

Rule 25.182(d)(10) Subsection	Requirement	Location in Testimony and Attachments
	for which the utility calculates an under- or over-recovery of EECRF costs.	IV and V, and Attachment TJH-2.
25.182(d)(10)(K)	The utility's bidding and engagement process for contracting with energy efficiency service providers, including a list of all energy efficiency service providers that participated in the utility programs and contractors paid with funds collected through the EECRF.	<i>See:</i> Direct Testimony of Bryan J. Whitson at Section V, and Attachment BJW-3 (CONF).
25.182(d)(10)(L)	The estimated useful life used for each measure in each program, or a link to the information if publicly available.	<i>See</i> Direct Testimony of Jeremy M. Lovelady, Attachment JML-2; and Direct Testimony of Bryan J. Whitson at Section VI, Attachment BJW-4.
25.182(d)(10)(M)	Any other information that supports the determination of the EECRF.	<i>See:</i> Direct Testimonies of Jeremy M. Lovelady, Bryan J. Whitson, Taylor J. Hurt, and Jeremiah W. Cunningham.

1 In addition, Rule 25.182(d)(11) requires that ten more categories of
2 information be included in the application, as applicable. In Table JML-2, I
3 identify where the subsection (d)(11) items appear in SPS's testimony and
4 attachments.

Table JML-2

Rule 25.182(d)(11) Subsection	Requirement	Location in Testimony and Attachments
25.182(d)(11)(A)	The costs are less than or equal to the benefits of the programs as calculated in accordance with Rule 25.181(d).	<i>See:</i> Direct Testimony of Jeremy M. Lovelady at Section V, and Attachment JML-2.
25.182(d)(11)(B)	The program portfolio was implemented in accordance with recommendations made by the Commission's EM&V contractor and approved by the Commission, and the EM&V contractor found no material deficiencies in the utility's administration of energy efficiency programs.	<i>See</i> Direct Testimony of Jeremy M. Lovelady at Section IV.
25.182(d)(11)(C)	If a utility is in an area in which customer choice is offered and is subject to the requirements of PURA § 39.905(f), the utility met its targeted low-income energy efficiency requirements.	Not applicable. <i>See:</i> Direct Testimony of Jeremy M. Lovelady at Section IV; and Direct Testimony of Bryan J. Whitson at Attachment BJW-1 at Section VIII.
25.182(d)(11)(D)	Existing market conditions in the utility's service territory affected its ability to implement one or more of its energy efficiency programs or affected its costs.	<i>See:</i> Direct Testimony of Bryan J. Whitson at Section VII.
25.182(d)(11)(E)	The utility's costs incurred and achievements accomplished in the previous year or estimated for the year the requested EECRF will be in effect are consistent with the utility's energy efficiency program costs and achievements in previous years.	<i>See:</i> Direct Testimony of Jeremy M. Lovelady at Section V; and Direct Testimony of Bryan J. Whitson at Section IV; and Attachment -1 at Sections III – VII.
25.182(d)(11)(F)	Changed circumstances in the utility's service area since the Commission approved the utility's budget for the	<i>See.</i> Direct Testimony of Bryan J. Whitson at Section VII.

Rule 25.182(d)(11) Subsection	Requirement	Location in Testimony and Attachments
	implementation year that affect the ability of the utility to implement any of its energy efficiency programs or its energy efficiency costs.	
25.182(d)(11)(G)	The number of energy efficiency service providers operating in the utility's service territory affects the ability of the utility to implement any of its energy efficiency programs or its energy efficiency costs.	<i>See:</i> Direct Testimony of Bryan J. Whitson at Section V.
25.182(d)(11)(H)	Customer participation in the utility's prior years' energy efficiency programs affects customer participation in the utility energy efficiency programs in previous years or its proposed programs underlying its EECRF request and the extent to which program costs were expended to generate more participation or transform the market for the utility's programs.	<i>See:</i> Direct Testimony of Bryan J. Whitson at Sections III, IV and VII.
25.182(d)(11)(I)	The utility's energy efficiency costs for the previous year or estimated for the year the requested EECRF will be in effect are comparable to costs in other markets with similar conditions.	<i>See:</i> Direct Testimony of Bryan J. Whitson at Section IV.
25.182(d)(11)(J)	The utility has set its incentive payments with the objective of achieving its energy and demand goals at the lowest reasonable cost per program.	<i>See:</i> Direct Testimony of Jeremy M. Lovelady at Section V; and Direct Testimony of Bryan J. Whitson at Sections III and IV.

1 **IV. PY 2021 DEMAND AND ENERGY EFFICIENCY GOALS**

2 **A. Calculation of Demand Savings Goal**

3 **Q. Does Rule 25.181 specify the demand reduction goal that SPS must achieve in**
4 **PY 2021?**

5 A. Yes. Beginning with the 2013 PY and continuing until the “trigger” in Rule
6 25.181(e)(1)(B) was reached, Rule 25.181(e)(1)(A) required SPS to meet demand
7 reduction goals equal to at least 30% of its annual growth in demand of residential
8 and commercial customers. Rule 25.181(e)(1)(B)’s trigger provides that a utility
9 shall meet Rule 25.181(e)(1)(C)’s demand reduction goal once the utility’s goal
10 under Rule 25.181(e)(1)(A) is equivalent to at least four-tenths of 1% of its
11 summer weather-adjusted peak demand for the combined residential and
12 commercial customers for the previous PY. Under Rule 25.181(e)(1)(C), once
13 Rule 25.181(e)(1)(B)’s trigger is reached and continuing thereafter, a utility shall
14 have a demand reduction goal equal to four-tenths of 1% of its summer weather-
15 adjusted peak demand for the combined residential and commercial customers for
16 the previous PY. In addition, Rule 25.181(e)(3)(B), states that the demand
17 reduction goal under Rule 25.181(e)(1)(C) is calculated by applying the
18 percentage goal to the utility’s summer weather-adjusted five-year average peak
19 demand for the combined residential and commercial customers.

20 **Q. Has SPS met the trigger described in Rule 25.181(e)(1)(B)?**

21 A. Yes, SPS met Rule 25.181(e)(1)(B)’s trigger in 2019. Thus, in accordance with
22 Rules 25.181(e)(1)(B)-(C) and 25.181(e)(3)(B), SPS calculated its demand
23 reduction goal for PY 2022 using four-tenths of 1% of its summer weather-

1 adjusted five-year average (2016-2020) peak demand for the combined residential
2 and commercial customers. This calculation yields a goal metric of 5.988 MW;
3 lower than SPS's PY 2021 goal of 6.027 MW. Therefore, in accordance with 16
4 TAC § 25.181(e)(1)(D), SPS is using the previous PY goal of 6.027 MW for PY
5 2022.

6 **Q. Are line losses taken into account when calculating the goal?**

7 A. Yes. SPS applies demand line loss factors when calculating its retail peak shown
8 in Attachment JML-1. SPS's line loss factors were most recently approved in
9 Docket No. 47527⁷ and are included in Attachment JML-1.

10 **Q. How many industrial customers provided notice to SPS pursuant to Rule**
11 **25.181(w) to opt out of SPS's energy efficiency programs for PY 2022?**

12 A. To date, SPS has received qualifying notices from six customers, totaling 816
13 premises for PY 2022. SPS subtracts each opt-out customer premises' annual
14 peak kilowatt ("kW") demand contribution for the last five years from the weather
15 normalized Texas retail peak demand to determine SPS's yearly peak demand
16 growth. Increased opt-outs, depending on their annual peak kW contribution,
17 may reduce SPS's overall weather normalized Texas retail peak demand in
18 calculating SPS's yearly demand reduction goal.

⁷ *Application of Southwestern Public Service Company for Authorization to Change Rates*,
Docket No. 47527, Order (Dec. 10, 2018).

1 **Q. Does SPS believe it will meet its PY 2022 demand reduction goal?**

2 A. Yes. SPS projects that it will achieve 11.446 MW in demand reductions in PY
3 2022, which is greater than the minimum demand reduction goal of 6.027 MW.
4 Mr. Whitson explains why SPS expects to achieve more than the minimum goal,
5 and the calculations of these amounts appear in Table 6 of Attachment BJW-1 to
6 his direct testimony.

7 **Q. Does Rule 25.181 impose any additional requirements with respect to the**
8 **demand reduction?**

9 A. Yes. Rule 25.181(e)(3)(F) states that the savings achieved through programs for
10 hard-to-reach customers shall be no less than 5% of the utility's statutory demand
11 reduction goal. Therefore, at least 0.3 MW of the 2022 demand reduction goal of
12 6.027 MW must come from hard-to-reach customers ($6.027 \text{ kW} \times 5\% = 300 \text{ kW}$).

13 **Q. What is a "hard-to-reach" customer?**

14 A. Rule 25.181(c)(27) defines a "hard-to-reach" customer as a residential customer
15 with an annual household income at or below 200% of federal poverty guidelines.

16 **Q. Did SPS meet the requirement under Rule 25.181(e)(3)(F) for hard-to-reach**
17 **customers in 2020 and does it project to meet it in 2022?**

18 A. Yes. SPS met the requirement by achieving 0.687 MW or 11% of the 2020 goal
19 of 5.994 MW through programs for hard-to-reach customers. In 2022, SPS
20 projects to achieve 0.650 MW or 11% of the proposed goal of 6.027 MW through
21 programs for hard-to-reach customers.

1 **B. Calculation of Energy Savings Goal**

2 **Q. Does Rule 25.181 also specify the amount of energy savings that a utility must**
3 **achieve?**

4 A. Yes. Rule 25.181(e)(4) provides that a utility “shall administer a portfolio of
5 energy efficiency programs designed to meet an energy savings goal calculated
6 from its demand savings goal, using a 20% conservation load factor.” To
7 implement that calculation, the utility must multiply its demand reduction goal
8 times 8,760 (the number of hours in a year) and then multiply the product by 20%
9 to determine the number of megawatt-hours (“MWh”) of energy savings. Thus,
10 in SPS’s case, the minimum energy savings goal is the following:

11 $6.027 \text{ MW} \times 8,760 \text{ h} = 52,507 \text{ MWh} \times 20\% = 10,559 \text{ MWh}$

12 **Q. Does SPS believe it will meet its PY 2022 minimum energy savings goal?**

13 A. Yes. SPS forecasts that it will achieve energy savings of 22,928 MWh in PY
14 2022, which is greater than the minimum goal of 10,559 MWh, due to the mix of
15 energy and demand savings achievable through the programs. Some programs,
16 such as the Large Commercial SOP deliver high energy savings, but deliver
17 minimal demand savings based on the measures incented in the program.
18 Conversely, the Load Management SOP only provides demand savings and
19 minimal energy savings. In developing its programs as presented in SPS’s
20 Amended 2021 EEPR, provided as Attachment BJW-1 to Mr. Whitson’s direct
21 testimony, SPS attempted to maintain a balance of programs that will provide
22 eligible customers with multiple options for participation and ensure that both
23 energy and demand goals are met.

1 **Q. Do SPS's Low-Income PY 2022 budgeted costs meet the minimum 10%**
2 **spending requirement in Rule 25.181(p), even though SPS is not subject to**
3 **that section because it is not an unbundled transmission and distribution**
4 **utility?**

5 A. Yes. Rule 25.181(p)(1) states that each unbundled transmission and distribution
6 “utility shall ensure that annual expenditures for the targeted low-income energy
7 efficiency program are not less than 10% of the utility’s energy efficiency budget
8 for the program year.” SPS’s budgeted incentive amount for its Low-Income
9 programs in PY 2022 is \$450,000, which is greater than 10% of the total portfolio
10 budget amount of \$4,263,542 (including EM&V).

11 **Q. Did SPS's Low-Income expenditures for 2020 meet the minimum 10%**
12 **spending standard in Rule 25.181(p)?**

13 A. Yes, in 2020 SPS spent 10% of its forecasted budget on low-income programs, as
14 shown in Table 12 in Attachment BJW-1 to Mr. Whitson’s direct testimony.

15 **C. Program Modifications to Meet PY 2022 Goals**

16 **Q. Is SPS proposing any modifications or additions to its programs to meet its**
17 **PY 2022 goals?**

18 A. No.

19 **Q. Does Rule 25.182 require the utility’s portfolio to reflect recommendations**
20 **from the independent EM&V evaluator?**

21 A. Yes. Rule 25.182(d)(11)(B) requires that the utility’s portfolio be implemented in
22 accordance with the recommendations made by the Commission’s EM&V
23 contractor and that there are no material deficiencies in the utility’s administration

1 of its portfolio. SPS's 2021 and 2022 program portfolios use the most recently
2 published and approved Technical Reference Manual, which is the primary source
3 for all deemed savings values.

1 V. **ENERGY EFFICIENCY AND LOAD MANAGEMENT PROGRAM COST-**
2 **EFFECTIVENESS**

3 Q. What does Rule 25.181 require with respect to cost effectiveness of a utility's
4 energy efficiency programs?

5 A. An energy efficiency program is deemed to be cost-effective if the cost of the
6 program to the utility is less than or equal to the benefits of the program.⁸

7 Q. What costs can be included in the cost-benefit analysis?

8 A. The costs of a program include the "cost of incentives, EM&V contractor costs,
9 any shareholder bonus awarded to the utility, and actual or allocated R&D and
10 administrative costs."⁹

11 Q. How does Rule 25.181 define benefits?

12 A. The benefits of the program consist of the present value of the demand reductions
13 and energy savings, measured in accordance with the avoided costs prescribed in
14 Rule 25.181(d), over the projected life of the measures installed under the
15 program.

16 Q. How are the avoided costs of capacity and energy that you just mentioned
17 measured?

18 A. For 2020, the avoided cost of capacity was set at \$80 per kW-year and the
19 avoided cost of energy was set at \$0.113660 per kilowatt-hour ("kWh"). For
20 2021, the avoided cost of capacity was set at \$80 per kW-year and the avoided
21 cost of energy was set at \$0.10161 per kWh. Pursuant to Rule 25.181(d)(2)(A)

⁸ Rule 25.181(d).

⁹ Rule 25.181(d)(1)

1 avoided costs of capacity and energy for 2022 will be calculated by November 1,
2 2021.

3 **Q. Apart from the general guideline that the costs cannot exceed the benefits,**
4 **does Rule 25.181 prescribe any more specific standards to compare the costs**
5 **and benefits?**

6 A. Yes. Subsection (f) provides that the incentive payments for each customer class
7 shall not exceed 100% of avoided costs.

8 **Q. Are the incentive costs for PY 2022 projected to be lower than the avoided**
9 **costs in PY 2020?**

10 A. Yes. SPS has forecasted an incentive budget of \$3.706 million in PY 2022, as
11 shown in Table 7 of Attachment BJW-1 to Mr. Whitson's direct testimony. In
12 contrast, Attachment JML-2 demonstrates that the total portfolio avoided cost for
13 2020 is approximately \$30.624 million. Therefore, the incentive costs are
14 projected to be lower than the avoided costs.

15 **Q. Has SPS set the incentive payments with the objective of achieving its energy**
16 **and demand goals at the lowest reasonable cost per program?**

17 A. Yes. Mr. Whitson discusses the determination of incentives in more detail.

18 **Q. Why does SPS compare the forecasted 2022 incentives to the actual 2020**
19 **portfolio benefits?**

20 A. This comparison uses the best information available at the time of this filing.
21 Portfolio benefits for 2022 are not currently known because the avoided costs for
22 2022 are unknown and the estimated useful lives for measures implemented in
23 2022 are not known. Even if avoided cost values for 2022 are expected to be less

1 than the avoided cost values in 2020, SPS has a significant margin to ensure cost
2 effectiveness.

3 **Q. Overall, was the portfolio of programs for 2020 cost effective?**

4 A. Yes. An overall program benefit-cost ratio of 1.0 or greater is considered cost-
5 effective. For 2020, SPS's portfolio of programs produced a benefit-cost ratio of
6 6.69 as shown in Attachment JML-2. Thus, in 2020, all programs were cost-
7 effective.

8 **Q. Are exceptions to the cost-effectiveness standard provided for some**
9 **programs?**

10 A. Yes. SPS's Low-Income Weatherization program and the Retro-Commissioning
11 MTP have different requirements. The Low-Income Weatherization program is
12 evaluated for cost-effectiveness utilizing the Savings-to-Investment Ratio
13 ("SIR"), consistent with Rule 25.181(p)(2) and the settlement in Docket No.
14 40293, a previous SPS EECRF proceeding.¹⁰ Pursuant to Rule 25.181(i), MTPs
15 such as the Retro-Commissioning MTP may demonstrate cost effectiveness over a
16 period greater than one year.

¹⁰ The SIR ratio is the ratio of the present value of a customer's estimated lifetime electricity cost savings from energy efficiency measures to the present value of the installation costs, inclusive of any incidental repairs, of those energy efficiency measures.

VI. REASONABLENESS OF 2020 ENERGY EFFICIENCY PROGRAMS COSTS

Q. What expense did SPS incur for energy efficiency programs in PY 2020?

A. As shown in Table 11 of Attachment BJW-1, in PY 2020, SPS incurred \$3,969,970 in program-related costs, compared to a budget of \$4,479,378.

Q. Did SPS achieve its demand and energy savings goals for PY 2020?

A. Yes. For 2020, SPS's Commission-established demand and energy savings goals were 5.994 MW and 10,502 MWh, respectively. SPS achieved savings of 11.672 MW and 25,663 MWh, as shown in Table 9 of Attachment B JW-1, or 195% of the demand goal and 244% of the energy goal.

Q. Were the expenses incurred by SPS for PY 2020 reasonable and cost effective?

A. Yes. The PY 2020 EECRF expenses satisfy the cost-effectiveness standard under Rule 25.181(d). As noted above, a benefit-cost ratio of 1.0 or greater is considered cost-effective, and for PY 2020, the benefit-cost ratio was 6.69 as shown in Attachment JML-2.

Q. Did SPS comply with the cost caps for administrative costs and R&D costs individually and collectively for PY 2020?

A. Yes.

Q. Explain further how SPS calculated the cost caps for administrative costs and R&D costs individually and collectively.

A. Pursuant to Rule 25.181(g) the administration cost cap “shall not exceed 15% of a utility’s total program costs” while the R&D cap “shall not exceed 10% of a utility’s total program costs for the previous program year.” Therefore, SPS has

1 interpreted this portion of the rule to mean that the administrative cost cap is
2 calculated as the total administrative expenditures from PY 2020 divided by the
3 total program expenditures for PY 2020; whereas, the R&D cap is calculated as
4 the total R&D costs for PY 2020 divided by the total programs expenditures from
5 PY 2019.

6 Furthermore, Rule 25.181(g) requires that “[t]he cumulative cost of
7 administration and research and development shall not exceed 20% of a utility’s
8 total program costs.” Therefore, SPS has calculated this value by dividing the
9 total PY 2020 administrative and R&D expenditures by the total PY 2020
10 expenditures. Table JML-3 shows the administrative and R&D expenditures
11 versus the applicable PY total costs used to calculate the caps:

12 **Table JML-3: PY 2020 Cost Cap Compliance**

Cost Type	PY 2020 Costs	PY 2020 Total Costs	PY 2019 Total Costs	Percentage of Total Spend	Allowed Percentage 25.181(i)
Administration ¹¹	\$389,170	\$3,969,970	N/A	9.80%	15%
R&D	\$24,117	N/A	\$3,850,714	.63%	10%
Total Administration and R&D	\$413,287	\$3,969,970	N/A	10.41%	20%

13 **Q. For PY 2020, did the incentive payments for the portfolio exceed 100% of**
14 **avoided costs?**

15 A. No. Attachment JML-2 shows that incentive costs for PY 2020 were
16 approximately \$3.526 million. In contrast, the total estimated portfolio net benefit

¹¹ PY 2020 costs include direct program administration, general program administration, and EECRF proceeding expenses.

for PY 2020 was approximately \$26.044 million. Expressed as a percentage, the incentive costs for PY 2020 were approximately 13% of the total benefits.

Q. For PY 2020, did the incentive payments by class exceed 100% of avoided costs by class?

A. No. As shown in Table JML-4, incentive costs by the Commercial customer or Residential customer class are well below the total avoided costs by customer class.

Table JML-4: PY 2020 Cost Cap Compliance

Customer Class	Total Incentive	Total Avoided Cost
Residential	\$1,899,543	\$15,519,126
Commercial	\$1,626,621	\$15,104,998
Total	\$3,526,163	\$30,624,124

1 **VII. REASONABLENESS OF AFFILIATE EXPENSES**

2 **Q. Please describe PURA § 36.058.**

3 A. PURA § 36.058(a) provides that, except as provided by Subsection (b), the
4 regulatory authority may not allow as capital cost or as expense a payment from
5 an affiliate for “(1) the cost of a service, property, right, or other item; or (2)
6 interest expense.” PURA § 36.058 (b) provides that the “regulatory authority may
7 allow a payment described in Subsection (a) only to the extent that the regulatory
8 authority finds the payment is reasonable and necessary for each item or class of
9 items as determined by the commission.”

10 PURA § 36.058 (c) lists items that must be included in a finding under
11 Subsection (b). In particular, Subsection (c) requires a specific finding of the
12 reasonableness and necessity of each item or class of items allowed and a finding
13 that the price to the electric utility is not higher than the prices charged by the
14 supplying affiliate for the same item or class of items. PURA § 36.058 (d), (e),
15 and (f) provide additional direction for findings regarding an affiliate transaction.

16 **Q. In general, does SPS incur costs from an affiliate to manage its energy**
17 **efficiency programs?**

18 A. Yes. SPS incurs costs for services XES provides for developing and managing
19 energy efficiency and load management programs for SPS, and performing
20 regulatory compliance and performance assessments for SPS’s customer
21 programs.

1 **Q. What amount of affiliate costs did SPS incur related to its programs under**
2 **Rule 25.181 in 2020?**

3 A. In 2020, SPS incurred \$144,946.41 in affiliate expenses. Those expenses include
4 labor expenses and labor loadings as well as non-labor expenses such as travel
5 expenses unrelated to the EECRF filing.

6 **Table JML-5**

Affiliate Expenses	Total
Labor and Loading Expenses	\$142,540.34
Non-Labor Expenses	\$2,406.07
Total Affiliate Expenses	\$144,946.41

7 **Q. Has SPS removed Annual Incentive Program (“AIP”) costs related to 2020**
8 **from the affiliate expenses listed above?**

9 A. No. The amount presented in the table above does not remove AIP expenses.

10 **Q. Has SPS nevertheless removed AIP expenses from the requested amount in**
11 **this proceeding?**

12 A. Yes. Consistent with Commission precedent, SPS has removed \$3,931 in AIP
13 expenses associated with financially based measures. In total, the amount of AIP
14 included in SPS’s reconciliation of PY 2020 costs is \$4,881 (Texas retail). Thus,
15 the total affiliate expense SPS seeks recovery of in this EECRF filing is
16 \$144,946.41 minus \$3,931 of AIP expense, or \$141,015.41.

1 **Q. Are any of the services XES provides to SPS related to its energy efficiency**
2 **and load management programs duplicated elsewhere in XES or in any other**
3 **Xcel Energy subsidiary, such as SPS itself?**

4 A. No. Within XES, none of the services provided for the energy efficiency and load
5 management programs are duplicated elsewhere. No other Xcel Energy
6 subsidiary performs these services. In addition, SPS does not perform these
7 services for itself.

8 **Q. Do SPS and its Texas retail customers benefit from the services XES provides**
9 **for the energy efficiency and load management programs?**

10 A. Yes. The portfolio management services provided by XES employees offer a
11 number of benefits to SPS, specifically through specialized expertise, economies
12 of scale and scope. In lieu of SPS employing energy efficiency program and
13 administrative support personnel, XES employs personnel to manage similar
14 energy efficiency programs for Xcel Energy's Operating Companies. In addition
15 to the economies of scale, SPS receives the benefits of the economies of scope
16 provided by XES personnel. Since XES personnel manage energy efficiency
17 program portfolios in numerous jurisdictions, they are able to transfer knowledge
18 gained in other jurisdictions to SPS's energy efficiency programs at no additional
19 charge to SPS.

20 **Q. Are these costs reasonable and necessary?**

21 A. Yes. These costs are reasonable because they consist primarily of reasonable
22 labor costs, and are subjected to rigorous budgeting and cost-control processes.
23 In particular, the labor costs are from XES employees, who perform duties for all

1 Operating Companies, thus, allowing SPS to avoid hiring full-time employees
2 solely for managing its energy efficiency and load-management programs.
3 Furthermore, all of the XES affiliate expenses are directly charged to SPS for its
4 energy efficiency programs, rather than allocated to SPS. Thus, the expenses
5 assigned to SPS for XES employees' services reflect work exclusively undertaken
6 for SPS's Texas energy efficiency programs.

7 **Q. Are the prices charged to SPS by XES higher than the prices charged by**
8 **XES to Xcel Energy's other affiliates?**

9 A. No. At the time Xcel Energy was formed in 2000, registered holding companies
10 such as Xcel Energy were regulated by the Securities and Exchange Commission
11 under the Public Utility Holding Company Act of 1935 ("PUHCA 1935") and
12 were permitted to form and operate service companies to provide common
13 administrative and management services, at cost, to utility operating companies
14 and affiliates within the holding company system. Although PUHCA 1935 was
15 repealed in 2005, XES continues to provide its services to SPS "at cost." The
16 FERC, under PUHCA 2005, allows the continuation of centralized service
17 companies that use the "at cost" standard for billing. The FERC allows "at cost"
18 pricing from service companies to public utilities, stating, "we will apply a
19 presumption that 'at cost' pricing of the non-power goods and services they
20 provide to public utilities within their holding company systems is reasonable."¹²
21 XES has the same obligation to charge for its services "at cost" to the other

¹² FERC Docket No. RM05-32-000, Order No. 667, ¶ 14.

1 Operating Companies. Thus, XES charges SPS and the other Operating
2 Companies the same (i.e., its costs for providing energy efficiency and other
3 services).

4 **Q. In addition to the requirements and regulations listed above, is there other**
5 **documentation to support that XES charges SPS and the other Operating**
6 **Companies the same for the services it provides?**

7 A. Yes. XES charges SPS for services it provides (including energy efficiency
8 labor) per the terms of the Service Agreement between XES and SPS. The
9 Service Agreement is a high-level agreement that describes the services provided
10 to SPS by XES (the billing and payment information, the terms of the agreement,
11 the limitation of liability and indemnification, and miscellaneous information). A
12 copy of the Service Agreement between XES and SPS is provided as Attachment
13 JML-3. XES has similar service agreements with all of the Xcel Energy
14 Operating Companies. The substance of all XES Service Agreements contents
15 are the same; only the parties to the agreements differ.

16 The Service Agreement incorporates the “at cost” pricing for XES’
17 services – thus, XES is contractually bound to charge SPS and the other Operating
18 Companies the same for the services. Thus, the charges from XES for its services
19 to SPS are no higher than the charge by XES to any other entity for the same or
20 similar service, and the costs reasonably approximate the affiliate’s cost to
21 provide the service.

1 **Q. Do those costs meet the requirements for affiliate expenses in PURA**
2 **§ 36.058?**

3 A. Yes. As described above, the costs SPS incurs from XES related to management
4 of its energy efficiency program portfolio are reasonable and necessary and are
5 not priced higher than the prices charged by XES for the same or similar service
6 to its other affiliates. Additionally, SPS does not provide these services for itself,
7 and the services do not duplicate services provided by other affiliates.

8 **Q. How are affiliate costs charged to SPS for the energy efficiency program?**

9 A. Affiliate costs are direct charged to work orders designed to record the costs for
10 managing the energy efficiency and load management programs.

11 **Q. Is there any cross-subsidization of energy efficiency services provided by**
12 **XES to SPS?**

13 A. No. Cross-subsidization cannot occur because SPS does not pay, through XES
14 charges, for energy efficiency program costs of other Xcel Energy Operating
15 Companies. The PY 2020 XES labor costs were not allocated to SPS, but were
16 directly charged (or direct assigned) to SPS. The direct assignment (or direct
17 charging) of the XES energy efficiency labor costs to SPS was done because the
18 XES employee(s) performed work during those hours exclusively for SPS's Texas
19 energy efficiency programs.

20 **Q. You noted above that there was \$2,406.07 in non-labor affiliate expenses.**
21 **What types of activities does that amount relate to?**

22 A. This figure accounts for travel and employee reimbursement expenses. Travel
23 costs include expenses incurred by XES employees to attend the Energy

1 Efficiency Implementation Project (“EEIP”) meetings, program administration
2 meetings, and licensing and professional fees. Employee reimbursement
3 expenses include costs for mileage for personal vehicle use and reimbursements
4 for use of a personal cell phone for business purposes. The 2020 non-labor
5 affiliate expenses are lower than previous years due to the COVID-19 pandemic,
6 which limited travel and related expenses. Receipts for non-labor affiliate
7 expenses are attached to my testimony as Attachment JML-4.

8 **Q. Are any of the costs for PY 2022 forecasted to be affiliate costs?**

9 A. Yes. SPS expects that of the \$205,100 in forecasted general administration costs,
10 the majority are likely to be affiliate costs. Similarly, some of the program
11 administrative costs will likely be affiliate costs.

1 **VIII. PERFORMANCE BONUS**

2 **Q. Please summarize the rule provisions governing performance bonuses.**

3 A. Rule 25.182(e) provides that a utility that exceeds its demand and energy
4 reduction goals at a cost that does not exceed the cost caps in Rule 25.182(d)(7)
5 “shall be awarded a performance bonus calculated in accordance with this
6 subsection.” The purpose of the performance bonus is to incent the utility to
7 achieve successful energy efficiency programs by allowing the utility to receive a
8 share of the net benefits realized in meeting its demand reduction goal.

9 **Q. Is SPS seeking recovery of a performance bonus in this case?**

10 A. Yes. SPS exceeded its Commission-approved demand goal in PY 2020 and,
11 therefore, is eligible to recover a performance bonus in this EECRF.

12 **Q. What is the calculated performance bonus SPS has earned?**

13 A. The bonus is \$2,604,419. The calculation of the bonus is included as Attachment
14 JML-2.

15 **Q. Did SPS request a good cause exception in arriving at its Commission-**
16 **approved demand goal for PY 2020?**

17 A. No. The demand goal for PY 2019 complied with Rule 25.181(e)(1)(D).

18 **Q. Does this conclude your prefiled direct testimony?**

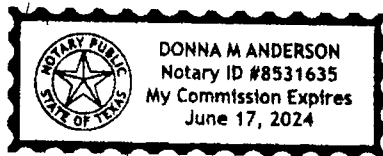
19 A. Yes.

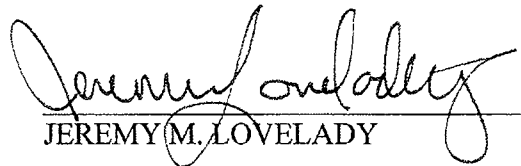
AFFIDAVIT

STATE OF TEXAS)
)
COUNTY OF POTTER)

JEREMY M. LOVELADY, first being sworn on his oath, states:

I am the witness identified in the preceding prepared direct testimony. I have read the testimony and the accompanying attachments and am familiar with their contents. Based upon my personal knowledge, the facts stated in the testimony are true. In addition, in my judgment and based upon my professional experience, the opinions and conclusions stated in the testimony are true, valid, and accurate.




JEREMY M. LOVELADY

Subscribed and sworn to before me this 23 day of April, 2021 by JEREMY M. LOVELADY.


Notary Public, State of Texas

My Commission Expires: 6/17/24

CERTIFICATE OF SERVICE

I certify that on April 30, 2021, this instrument was filed with the Public Utility Commission of Texas, and a true and correct copy of it was served on the Staff of the Public Utility Commission of Texas by hand delivery, Federal Express, regular first class mail, certified mail, or facsimile transmission.

/s/ J. Rich Sparks

Data converted to Meter (required for EEPR)														
Table 4: Annual Growth in Demand and Energy Consumption (at Meter)														
Demand Line Loss Factor	Calendar Year	Peak Demand (MW) @ Meter				Energy Consumption (MWh) @ Meter				Growth (MW)	Average Growth (MW) ⁵	Demand Goal	Energy Goal	
		Total System		Residential & Commercial		Opt Outs	Total System		Residential & Commercial					
		Actual	Actual Weather Adjusted	Actual	Actual Weather Adjusted	Actual Weather Adjusted	Actual	Actual Weather Adjusted	Actual	Actual Weather Adjusted	Actual Weather Adjusted			Actual Weather Adjusted
9.70%	2008	2,336	2,338	1,530	1,531	0	14,143,864	14,198,484	7,668,155	7,717,744	27	0	NA	NA
	2009	2,341	2,313	1,567	1,542	46	13,920,045	13,932,332	7,371,821	7,382,989	-36	0	NA	NA
	2010	2,318	2,332	1,541	1,549	36	14,175,553	14,110,580	7,512,089	7,452,380	18	23	NA	NA
Energy Line Loss Factor	2011	2,278	2,252	1,607	1,581	45	14,054,830	13,730,734	7,963,150	7,639,055	23	3	NA	NA
7.88%	2012	2,379	2,278	1,704	1,603	55	13,880,058	13,721,135	7,748,839	7,589,916	12	7	NA	NA
not tied in - data provided @ Meter	2013	2,229	2,190	1,496	1,475	73	13,994,646	13,859,306	7,764,906	7,629,565	-146	10	NA	NA
	2014	2,263	2,255	1,545	1,537	50	14,061,579	14,038,723	7,712,573	7,689,717	85	9	NA	NA
	2015	2,172	2,238	1,461	1,527	47	14,032,058	14,004,866	7,621,821	7,594,628	-7	-26	-7.75	-13,576
	2016	2,257	2,212	1,559	1,514	39	13,958,248	13,905,333	7,498,352	7,445,437	-5	-2	-0.48	-845
	2017	2,225	2,198	1,513	1,485	43	13,844,659	13,912,071	7,358,371	7,425,783	-33	-7	-1.97	-3,446
	2018	2,333	2,318	1,669	1,654	46	14,297,147	14,100,463	7,723,000	7,526,316	166	-12	-3.64	-6,385
	2019	2,242	2,267	1,537	1,561	34	14,037,836	13,944,983	7,465,519	7,372,666	-80	-21	-6.33	-11,087
	2020	2,141	2,103	1,514	1,476	44	13,360,219	13,247,232	7,260,442	7,147,455	-97	41	5.99	10,502
	2021	NA	NA	NA	1,453	NA	NA	NA	NA	7,360,128	21	8	2.44	4,278
	2022	NA	NA	NA	1,442	NA	NA	NA	NA	7,420,781	-10	-10	-2.92	-5,110
	2023	NA	NA	NA	1,470	NA	NA	NA	NA	7,459,461	28	-5	-1.35	-2,369
	2024	NA	NA	NA	1,473	NA	NA	NA	NA	7,480,656	3	0	-0.01	-16
	2025	NA	NA	NA	1,475	NA	NA	NA	NA	7,481,122	2	-28	-8.27	-14,497
	2026	0	0	0	0	0	0	0	0	0	0	0	0	0
	2027	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0	0	0	

Updated based on "Texas Peak Demand Sales for DSM filing (02-13-15)"

Table 4: Annual Growth in Demand and Energy Consumption (at Source)

Calendar Year	Peak Demand (MW) @ Source					Energy Consumption (MWh) @ Source				Growth (MW)	Average Growth (MW) ⁵
	Total System		Residential & Commercial		Opt-Outs	Total System		Residential & Commercial			
	Actual	Actual Weather Adjusted	Actual	Actual Weather Adjusted	Actual Weather Adjusted	Actual	Actual Weather Adjusted	Actual	Actual Weather Adjusted	Actual Weather Adjusted	Actual Weather Adjusted
2008	2,587	2,589	1,694	1,696	-	15,354,265	15,413,559	8,324,379	8,378,211	30	0
2009	2,592	2,561	1,735	1,707	51	15,111,292	15,124,630	8,002,685	8,014,809	-40	0
2010	2,567	2,582	1,707	1,716	40	15,388,666	15,318,133	8,154,957	8,090,138	19	25
2011	2,522	2,494	1,779	1,750	49	15,257,611	14,905,780	8,644,619	8,292,788	26	4
2012	2,634	2,523	1,887	1,775	61	15,067,883	14,895,359	8,411,968	8,239,445	13	7
2013	2,468	2,425	1,656	1,633	81	15,192,277	15,045,354	8,429,409	8,282,487	-162	11
2014	2,506	2,497	1,711	1,702	55	15,264,939	15,240,127	8,372,599	8,347,787	94	10
2015	2,405	2,478	1,618	1,691	52	15,232,891	15,203,372	8,274,080	8,244,560	-8	-29
2016	2,499	2,449	1,727	1,677	43	15,152,764	15,095,321	8,140,045	8,082,601	-5	-2
2017	2,464	2,434	1,675	1,645	47	15,029,455	15,102,635	7,988,084	8,061,265	-36	-7
2018	2,583	2,567	1,848	1,832	51	15,520,665	15,307,149	8,383,917	8,170,402	184	-13
2019	2,483	2,510	1,702	1,729	37	15,239,163	15,138,364	8,104,402	8,003,603	-89	-23
2020	2,371	2,329	1,677	1,634	49	14,503,558	14,380,901	7,881,775	7,759,118	-107	46
2021	NA	NA	-	1,609	-	NA	NA	NA	7,989,991	24	9
2022	NA	NA	-	1,597	-	NA	NA	NA	8,055,835	-12	-11
2023	NA	NA	-	1,628	-	NA	NA	NA	8,097,825	31	-5
2024	NA	NA	-	1,631	-	NA	NA	NA	8,120,834	3	0
2025	NA	NA	-	1,634	-	NA	NA	NA	8,121,340	2	-31

	Peak Demand at the Source			Peak Demand at the Meter			Sales at the Meter			Calculations							30% DG Energy	4/1 of 1% DG Energy				
	Weather		Opt Out	Retail Peak with LLF		Annual Increase	Weather		Actual		Weather		Five Year Average	30% of Average	At Meter				4/10 of 1% of Peak	Trigger	30% DG Savings	4/1 of 1% Savings
	Normalized						Normalized		Texas		Normalized				Five Year							
	Texas Retail	Texas Retail		Applied Minus			Texas Load	Texas	Retail	Texas Retail	Growth (MW)	Growth (MW)			Peak Demand (MW)	Demand (MW)						
	Peak (MW)	Peak (MW)	MW	Opt-Out (MW)	(MW)	(MWh)	(MWh)	Sales (MWh)	Sales (MWh)	Growth (MW)	Growth (MW)	Peak Demand (MW)	Demand (MW)	Reached	Goal (MW/h)	Goal (MW/h)						
2006	1 658	1 645		1 186		13,039 007	13,038 019	7 534 770	7,533 884						2	-	-					
2007	1 440	1 666		1 504	18	13 180 377	13 207 469	7 613 587	7 638 053						1	-	-					
2008	1 694	1 696		1 531	27	14 143 864	14 198 481	7 668 155	7,717 714						1	-	-					
2009	1 735	1 707	16	1 195	(36)	13 920 045	13 932 332	7 371 821	7 382 989						1	-	-					
2010	1 707	1 716	36	1 513	18	14 175 553	14,110 580	7,512 089	7 452,380	23	7	1 507	6 02781	1	11 965	10,561						
2011	1 779	1 750	45	1,536	23	14 054,830	13 730 734	7 963 150	7 639 055	3	1	1 504	6 01606	2	1,669	10,540						
2012	1 887	1,775	55	1 548	12	13 880 058	13 721 135	7,748 839	7,589 916	7	2	1 506	6 02302	2	3,556	10 552						
2013	1 656	1,633	73	1 402	(146)	13 991 646	13,859,306	7 761,906	7 629,565	10	3	1,516	6 06336	2	5,300	10,623						
2014	1 711	1 702	50	1 487	85	14 061 579	14 038 723	7 712 573	7 689 717	9	3	1 525	6 09846	2	4,613	10,685						
2015	1 618	1 691	47	1,480	(7)	14 032,058	14 004 866	7,621,821	7 594 628	(26)	(8)	1 499	5 99511	2	(13 576)	10,503						
2016	1 727	1 677	39	1 475	(5)	13 958,248	13 905 333	7 398 352	7,445 437	(2)	(0)	1 197	5 98871	2	(845)	10 492						
2017	1 675	1 645	43	1 442	(33)	13,844 659	13 912 071	7 358 371	7,425,783	(7)	(2)	1,491	5 96248	2	(3,446)	10,446						
2018	1 848	1 832	46	1 608	166	14 297,147	11,100 163	7 723,000	7 526,316	(12)	(4)	1 478	5 91389	2	(6,385)	10 361						
2019	1 702	1 729	31	1 528	(80)	14 037 836	13 914 983	7 465 519	7 372 666	(21)	(6 328)	1 457	5 82951	2	(11,087)	10,213						
2020	1,677	1 634	44	1 131	(97)	13,360 219	13 217 232	7,260 442	7 147 355	41	12 371	1,499	5 99446	1	21,674	10 502 289						
2021		1 609		1 453	21			7,360,128	7,360,128	8	2	1,507	6 02701	2	4 278	10,559						
2022		1,597		1,442	(10)			7,420,781	7,420,781	(10)	(3)	1,497	5 98812	2	(5,110)	10,491						
2023		1 628		1 470	28			7,359 461	7,359 461	(5)	(1)	1 493	5 97010	2	(2,369)	10 460						
2024		1 631		1,473	3			7 480 656	7 480 656	(0)	(0)	1 492	5 96998	2	(16)	10 459						
2025		1 634		1,175	2			7 481 122	7 481 122	(28)	(8)			2	(14 497)	-						
2026		1,636		1 177	2			7,494,954	7,494,954	(11)	(3)			2	(5 744)	-						
2027		1 611		1 382	5			7 515 633	7 515 633	9	3			1	1,637	-						
2028		1 647		1 387	5			7 549 087	7 549 087	5	1			1	2 540	-						
2029		1 652		1 492	5			7 574 326	7 574 326	8	2			1	4,120	-						
2030		1 658		1 497	5			7 617 598	7 617 598	3	1			1	1 743	-						
2031		1 667		1 506	9			7 672 097	7 672 097	4	1			1	1 952	-						
2032		1 679		1 516	10			7 746 884	7 746 884	4	1			1	2 219	-						
2033		1 691		1 527	12			7 824 920	7 824 920	6	2			1	3 025	-						
2034		1 704		1 539	11			7 935 867	7 935 867	7	2			1	3 609	-						
2035		1 722		1 555	16			8,059,910	8,059,910	8	2			1	1 265	-						
2036		1 747		1 577	22			8 191 409	8 191 409	9	3			1	4 943	-						
2037		1 761		1 590	13			8,309 842	8,309 842	12	3			1	6 094	-						
2038		1,777		1 605	15			8,415 642	8,415 642	14	4			1	7 509	-						
2039		1 795		1 621	16			8 585 022	8 585 022	15	1			1	7 831	-						

**New Loss Factors to use
in 2017 Texas Rate Case
Docket No. 47527**

Energy Loss Factors

Sales at the Generator @ Generation	1.000000	7.88%
Sales @ 115, 230 & 345 KV Level 2	1.029633	
Sales @ 69 KV Level 3	1.035919	
Sales @ Primary (33kv - 2.4kv) Level 4	1.105898	
Secondary Sales @ the Transf. Level 5	1.125047	
Sales served by secondary lines Level 6	1.128389	
Composit Factors 5 & 6 Used in billing	1.126935	

Demand Loss Factors

Sales at the Generator @ Generation	1.000000	9.70%
Sales @ 115, 230 & 345 KV Level 2	1.023667	
Sales @ 69 KV Level 3	1.030961	
Sales @ Primary (33kv - 2.4kv) Level 4	1.131015	
Secondary Sales @ the Transf. Level 5	1.161769	
Sales served by secondary lines Level 6	1.166539	
Composit Factors 5 & 6 Used in billing	1.164833	

2022 Customer Opt-out usage for TX Energy Efficiency Plan and Report

Premise Number	Year Received	Final Year	Annual Peak kW Opt-Out Contribution				
			2020	2019	2018	2017	2016
1	2019	2022	0 00	0 00	0 00	0 00	0 00
2	2019	2022	2 05	2 05	3 08	2 06	2 06
3	2019	2022	5 14	12 33	15 42	24 67	13 36
4	2019	2022	0 00	31 84	40 08	34 94	0 00
5	2019	2022	0 00	0 00	0 00	0 00	0 00
6	2019	2022	0 00	12 33	10 28	10 28	8 22
7	2019	2022	0 00	1 03	2 06	0 00	1 03
8	2019	2022	0 00	3 08	3 08	5 14	3 08
9	2019	2022	14 38	15 41	17 47	0 00	18 50
10	2019	2022	0 00	0 00	24 67	21 58	12 33
11	2019	2022	27 00	0 00	177 00	240 00	170 00
12	2019	2022	2 05	2 05	2 06	0 00	2 06
13	2019	2022	0 00	0 00	0 00	5 14	2 06
14	2019	2022	24 00	19 00	23 00	0 00	20 00
15	2019	2022	0 00	0 00	0 00	0 00	0 00
16	2019	2022	0 00	0 00	0 00	0 00	0 00
17	2019	2022	0 00	0 00	0 00	0 00	0 00
18	2019	2022	0 00	11 00	26 00	26 00	27 00
19	2019	2022	52 00	50 00	37 00	24 00	27 00
20	2019	2022	0 00	0 00	0 00	0 00	0 00
21	2019	2022	0 00	0 00	0 00	0 00	0 00
22	2019	2022	0 00	0 00	0 00	0 00	0 00
23	2019	2022	0 00	0 00	0 00	2 06	1 03
24	2019	2022	0 00	9 24	8 22	9 25	8 22
25	2019	2022	0 00	7 00	84 00	94 00	104 00
26	2019	2022	34 00	31 00	34 00	36 00	36 00
27	2019	2022	0 00	12 33	13 36	15 42	0 00
28	2019	2022	0 00	3 08	5 14	5 14	13 36
29	2019	2022	0 00	0 00	7 19	5 14	0 00
30	2019	2022	12 33	11 30	0 00	0 00	0 00
31	2021	2024	0 00	496 00	496 00	0 00	0 00
32	2019	2022	7 19	6 16	7 19	0 00	9 25
33	2019	2022	0 00	0 00	1 00	0 00	1 00
34	2019	2022	0 00	0 00	0 00	0 00	0 00
35	2019	2022	48 28	42 11	47 28	0 00	0 00
36	2019	2022	47 25	42 11	41 11	39 05	35 97
37	2019	2022	22 60	30 82	27 75	43 17	27 75
38	2019	2022	36 98	32 87	37 00	50 36	43 17
39	2019	2022	0 00	40 06	41 11	38 03	44 19
40	2019	2022	38 01	47 25	42 14	0 00	40 08
41	2019	2022	1095 00	1160 00	788 00	1131 00	0 00
42	2019	2022	38 01	45 20	42 14	57 55	39 05
43	2019	2022	0 00	35 95	38 03	0 00	29 80
44	2019	2022	34 92	22 60	25 69	0 00	28 78
45	2019	2022	0 00	63 00	46 00	0 00	0 00
46	2019	2022	25 68	25 68	26 72	27 75	27 75
47	2019	2022	42 11	52 39	51 39	69 89	56 53
48	2019	2022	20 54	22 60	25 69	28 78	20 56
49	2019	2022	111 96	87 31	136 69	117 16	0 00
50	2019	2022	145 86	153 05	129 50	131 55	109 97
51	2019	2022	45 20	57 52	54 47	60 64	63 72
52	2019	2022	7 19	9 24	10 28	10 28	10 28
53	2019	2022	680 00	0 00	726 00	866 00	692 00
54	2019	2022	25 68	41 09	34 94	39 05	24 67
55	2019	2022	24 65	25 68	26 72	25 69	24 67
56	2019	2022	40 06	42 11	46 25	47 28	40 08
57	2019	2022	0 00	92 45	0 00	134 64	101 75
58	2019	2022	72 93	57 52	60 64	0 00	64 75
59	2019	2022	36 00	0 00	49 00	49 00	52 00

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
60	2019	2022		36 98	40 06	34 94	84 28	45 22
61	2019	2022		11 30	12 33	14 39	17 47	13 36
62	2019	2022		1 03	14 38	15 42	19 53	14 39
63	2019	2022		29 79	30 82	28 78	19 53	30 83
64	2019	2022		0 00	0 00	0 00	19 53	20 56
65	2019	2022		0 00	32 87	30 83	30 83	0 00
66	2019	2022		0 00	41 09	32 89	27 75	0 00
67	2019	2022		10 00	15 00	14 00	13 00	25 00
68	2019	2022		49 31	135 59	68 86	65 78	70 91
69	2019	2022		0 00	7 19	7 19	8 22	0 00
70	2019	2022		0 00	35 95	35 97	32 89	0 00
71	2019	2022		4 11	6 16	6 17	0 00	25 69
72	2019	2022		0 00	0 00	0 00	0 00	8 22
73	2019	2022		203 38	418 07	622 82	0 00	375 13
74	2019	2022		2 05	10 27	12 33	0 00	17 47
75	2019	2022		0 00	0 00	2 06	2 06	2 06
76	2019	2022		339 00	325 00	348 00	289 00	471 00
77	2019	2022		0 00	73 00	73 00	73 00	74 00
78	2019	2022		0 00	17 46	24 67	26 72	26 72
79	2019	2022		31 00	31 00	34 00	35 00	0 00
80	2021	2024		283 00	281 00	295 00	344 00	322 00
81	2019	2022		10 27	4 11	5 14	3 08	3 08
82	2019	2022		0 00	0 00	0 00	0 00	0 00
83	2019	2022		0 00	6 16	8 22	8 22	24 67
84	2019	2022		6 16	6 16	12 33	6 17	7 19
85	2019	2022		0 00	15 41	13 36	14 39	14 39
86	2019	2022		0 00	12 33	18 50	13 36	12 33
87	2019	2022		1 03	22 60	34 94	34 94	0 00
88	2019	2022		52 39	51 36	22 61	58 58	43 17
89	2019	2022		0 00	0 00	0 00	0 00	0 00
90	2019	2022		0 00	36 98	33 92	27 75	25 69
91	2019	2022		23 63	27 73	43 17	0 00	19 53
92	2019	2022		5 14	0 00	42 14	53 44	11 31
93	2019	2022		19 52	25 68	24 67	30 83	30 83
94	2019	2022		44 17	43 14	14 49	3 08	37 00
95	2019	2022		47 25	33 90	34 94	34 94	33 92
96	2019	2022		0 00	0 00	1 00	0 00	0 00
97	2019	2022		726 00	743 00	595 00	669 00	0 00
98	2019	2022		4 11	45 20	28 78	29 80	29 80
99	2019	2022		16 44	19 52	20 56	19 53	19 53
100	2019	2022		246 00	275 00	256 00	303 00	262 00
101	2019	2022		152 69	223 93	175 20	273 75	181 05
102	2019	2022		11 30	12 33	14 39	14 39	11 31
103	2019	2022		0 00	0 00	0 00	0 00	0 00
104	2019	2022		41 09	52 39	58 58	45 22	38 03
105	2019	2022		27 73	36 98	37 00	0 00	386 44
106	2019	2022		69 85	100 66	74 00	0 00	116 14
107	2019	2022		24 65	32 87	26 72	29 80	24 67
108	2019	2022		24 65	32 87	28 78	38 03	25 69
109	2019	2022		204 41	211 60	218 91	0 00	234 33
110	2019	2022		25 68	27 73	20 56	22 61	18 50
111	2019	2022		17 46	19 52	18 50	22 61	16 44
112	2019	2022		40 06	44 17	40 08	43 17	41 11
113	2019	2022		15 41	16 44	15 42	18 50	15 42
114	2019	2022		26 71	24 65	31 86	29 80	25 69
115	2019	2022		264 00	0 00	427 00	503 00	707 00
116	2019	2022		18 49	22 60	18 50	20 56	19 53
117	2019	2022		26 71	38 01	23 64	37 00	26 72
118	2019	2022		22 60	8 22	7 19	12 33	12 33

			Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year	2020	2019	2018	2017	2016
119	2019	2022	0 00	63 69	63 72	52 42	0 00
120	2019	2022	0 00	0 00	0 00	5 00	0 00
121	2019	2022	0 00	1 03	1 03	1 03	1 03
122	2019	2022	0 00	3 08	6 17	6 17	6 17
123	2019	2022	16 44	24 65	15 42	0 00	23 64
124	2019	2022	0 00	13 35	13 36	13 36	13 36
125	2019	2022	0 00	0 00	5 14	0 00	5 14
126	2019	2022	0 00	0 00	0 00	0 00	6 17
127	2019	2022	31 84	0 00	2 06	0 00	30 83
128	2019	2022	0 00	9 24	9 25	1 03	7 19
129	2019	2022	422 00	211 00	0 00	0 00	195 00
130	2019	2022	31 00	29 00	30 00	32 00	34 00
131	2019	2022	0 00	947 00	991 00	969 00	938 00
132	2019	2022	0 00	0 00	0 00	0 00	0 00
133	2021	2024	854 00	1137 00	1153 00	1128 00	960 00
134	2019	2022	0 00	0 00	0 00	0 00	1 03
135	2019	2022	0 00	4 11	0 00	2 06	0 00
136	2019	2022	2 05	11 30	12 33	12 33	15 42
137	2019	2022	0 00	54 44	67 83	55 50	0 00
138	2019	2022	11 30	15 41	13 36	12 33	12 33
139	2019	2022	0 00	0 00	0 00	0 00	0 00
140	2019	2022	1118 00	781 00	736 00	923 00	0 00
141	2019	2022	44 17	52 39	51 39	80 16	49 33
142	2019	2022	0 00	85 26	76 05	78 11	77 08
143	2019	2022	49 31	0 00	57 55	62 69	49 33
144	2019	2022	15 41	0 00	0 00	57 55	57 55
145	2019	2022	0 00	27 73	18 50	22 61	24 67
146	2019	2022	50 33	49 31	49 33	64 75	44 19
147	2019	2022	102 00	114 00	114 00	114 00	96 00
148	2019	2022	0 00	4 11	12 33	0 00	2 06
149	2019	2022	129 43	98 61	98 66	95 58	121 27
150	2019	2022	57 52	66 77	63 72	67 83	47 28
151	2019	2022	0 00	14 00	17 00	15 00	15 00
152	2019	2022	18 49	21 57	19 53	30 83	18 50
153	2019	2022	24 65	32 87	28 78	39 05	24 67
154	2019	2022	348 00	216 00	346 00	347 00	334 00
155	2019	2022	0 00	0 00	0 00	47 28	0 00
156	2019	2022	334 00	344 00	331 00	368 00	327 00
157	2019	2022	34 92	30 82	38 03	34 94	0 00
158	2019	2022	3 08	4 11	3 08	0 00	13 36
159	2019	2022	0 00	0 00	0 00	0 00	0 00
160	2019	2022	6 16	6 16	9 25	0 00	16 44
161	2019	2022	21 57	23 63	23 64	26 72	23 64
162	2019	2022	0 00	0 00	116 14	83 25	0 00
163	2019	2022	11 00	11 00	13 00	12 00	13 00
164	2019	2022	25 68	27 73	28 78	29 80	24 67
165	2019	2022	20 54	13 35	12 33	0 00	8 22
166	2019	2022	25 68	25 68	31 86	23 64	26 72
167	2019	2022	0 00	91 42	94 55	21 58	63 72
168	2019	2022	57 52	72 93	76 05	0 00	79 14
169	2019	2022	87 31	61 63	61 67	0 00	71 94
170	2019	2022	25 68	39 03	40 08	25 69	22 61
171	2019	2022	0 00	186 00	202 00	271 00	240 00
172	2019	2022	0 00	0 00	169 00	0 00	186 00
173	2019	2022	28 76	33 90	32 89	52 42	0 00
174	2019	2022	20 54	21 57	20 56	0 00	23 64
175	2019	2022	27 73	57 52	99 69	111 00	116 14
176	2019	2022	1 03	2 05	6 17	7 19	7 19
177	2019	2022	0 00	0 00	21 58	31 86	32 89

				Annual Peak kW Opt-Out Contribution			
Premise Number	Year Received	Final Year	2020	2019	2018	2017	2016
178	2019	2022	0 00	1 03	1 03	9 25	10 28
179	2019	2022	52 39	57 52	59 61	65 78	0 00
180	2019	2022	0 00	7 19	10 28	6 17	6 17
181	2019	2022	0 00	10 27	19 53	11 31	10 28
182	2019	2022	9 24	3 08	4 11	0 00	17 47
183	2019	2022	0 00	3 08	5 14	4 11	0 00
184	2019	2022	0 00	67 79	0 00	98 66	103 80
185	2019	2022	6 16	3 08	0 00	0 00	9 25
186	2019	2022	9 24	9 24	8 22	0 00	13 36
187	2019	2022	0 00	6 00	11 00	14 00	0 00
188	2019	2022	182 00	194 00	210 00	216 00	216 00
189	2019	2022	0 00	0 00	0 00	0 00	0 00
190	2019	2022	0 00	0 00	0 00	0 00	0 00
191	2019	2022	0 00	0 00	0 00	0 00	0 00
192	2019	2022	27 00	27 00	27 00	27 00	29 00
193	2019	2022	0 00	0 00	0 00	0 00	0 00
194	2019	2022	0 00	0 00	0 00	0 00	0 00
195	2019	2022	0 00	40 00	58 00	58 00	0 00
196	2019	2022	9 24	11 30	13 36	12 33	13 36
197	2019	2022	20 00	13 00	20 00	20 00	24 00
198	2019	2022	0 00	6 00	0 00	0 00	0 00
199	2019	2022	0 00	0 00	0 00	0 00	0 00
200	2019	2022	0 00	0 00	2 06	2 06	4 11
201	2019	2022	0 00	58 55	58 58	55 50	0 00
202	2019	2022	10 27	11 30	11 31	11 31	11 31
203	2019	2022	0 00	0 00	0 00	0 00	0 00
204	2019	2022	96 56	102 72	93 53	0 00	118 19
205	2019	2022	0 00	41 00	43 00	38 00	0 00
206	2019	2022	10 27	9 24	10 28	0 00	9 25
207	2019	2022	12 33	13 35	12 33	13 36	13 36
208	2019	2022	10 27	10 27	10 28	0 00	16 44
209	2019	2022	0 00	0 00	0 00	0 00	0 00
210	2019	2022	65 74	80 12	71 94	0 00	77 08
211	2019	2022	14 38	13 35	1 03	13 36	15 42
212	2019	2022	0 00	1 03	0 00	22 61	53 44
213	2019	2022	0 00	32 87	31 86	26 72	0 00
214	2019	2022	31 84	30 82	33 92	33 92	30 83
215	2019	2022	32 87	35 95	35 97	0 00	0 00
216	2019	2022	49 31	54 44	54 47	60 64	46 25
217	2019	2022	613 00	694 00	523 00	615 00	0 00
218	2019	2022	23 63	27 73	26 72	24 67	29 80
219	2019	2022	456 83	272 26	257 11	426 32	451 05
220	2019	2022	0 00	0 00	76 05	0 00	28 78
221	2019	2022	189 00	218 79	0 00	164 44	164 44
222	2019	2022	40 06	46 22	45 22	59 61	42 14
223	2019	2022	24 65	26 71	29 80	39 05	24 67
224	2019	2022	26 71	33 90	32 89	29 80	29 80
225	2019	2022	36 00	31 00	0 00	31 00	0 00
226	2019	2022	42 11	49 31	51 39	54 47	55 50
227	2019	2022	7 19	7 19	9 25	0 00	7 19
228	2019	2022	0 00	0 00	0 00	0 00	0 00
229	2019	2022	43 14	55 47	0 00	41 11	49 33
230	2019	2022	24 65	38 01	28 78	24 67	27 75
231	2019	2022	38 00	0 00	63 00	64 00	63 00
232	2019	2022	32 87	29 79	50 36	54 47	48 30
233	2019	2022	32 87	0 00	41 11	40 08	28 78
234	2019	2022	36 98	44 17	42 14	57 55	52 42
235	2019	2022	25 00	21 00	20 00	19 00	20 00
236	2019	2022	8 22	25 68	23 64	11 31	0 00

			Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year	2020	2019	2018	2017	2016
237	2019	2022	0 00	0 00	0 00	0 00	0 00
238	2019	2022	0 00	0 00	5 14	3 08	6 17
239	2019	2022	0 00	11 30	27 75	24 67	0 00
240	2019	2022	2 05	4 80	2 06	2 06	3 08
241	2019	2022	0 00	3 08	3 08	3 08	0 00
242	2019	2022	0 00	4 11	4 11	5 14	0 00
243	2019	2022	67 00	98 00	98 00	94 00	91 00
244	2019	2022	0 00	4 11	0 00	0 00	4 11
245	2019	2022	0 00	0 00	3 08	2 06	2 06
246	2019	2022	0 00	2 05	3 08	0 00	8 22
247	2019	2022	3 08	2 05	1 03	0 00	0 00
248	2019	2022	0 00	0 00	0 00	0 00	3 01
249	2019	2022	0 00	16 44	16 44	30 83	37 00
250	2019	2022	0 00	0 00	0 00	0 00	0 00
251	2019	2022	0 00	0 00	0 00	0 00	0 00
252	2019	2022	0 00	0 00	0 00	0 00	0 00
253	2019	2022	0 00	0 00	0 00	0 00	0 00
254	2019	2022	124 00	134 00	125 00	0 00	187 00
255	2019	2022	36 00	33 00	32 00	40 00	32 00
256	2019	2022	0 00	0 00	0 00	0 00	0 00
257	2021	2024	2715 00	3443 00	3519 00	3546 00	3432 00
258	2019	2022	461 00	440 00	428 00	446 00	469 00
259	2019	2022	0 00	0 00	0 00	0 00	0 00
260	2019	2022	0 00	0 00	0 00	0 00	0 00
261	2021	2024	625 00	606 00	629 00	674 00	664 00
262	2019	2022	0 00	0 00	0 00	0 00	0 00
263	2019	2022	170 00	149 00	112 00	121 00	0 00
264	2019	2022	107 00	0 00	96 00	104 00	101 00
265	2019	2022	0 00	4 11	5 14	4 11	0 00
266	2019	2022	0 00	0 00	0 00	0 00	0 00
267	2019	2022	0 00	8 22	3 08	2 06	0 00
268	2019	2022	0 00	4 11	6 17	3 08	4 11
269	2019	2022	50 33	59 58	43 17	40 08	44 19
270	2019	2022	14 38	16 44	12 33	11 31	13 36
271	2019	2022	22 60	36 98	38 03	23 64	23 64
272	2019	2022	51 36	0 00	51 39	52 42	57 55
273	2019	2022	15 41	109 91	64 75	68 86	47 28
274	2019	2022	36 98	38 01	31 86	0 00	33 92
275	2019	2022	18 49	9 24	15 42	18 50	17 47
276	2019	2022	2 05	0 00	8 22	0 00	6 17
277	2019	2022	44 17	0 00	0 00	40 08	41 11
278	2019	2022	25 68	28 76	28 78	26 72	25 69
279	2019	2022	18 49	18 49	20 56	24 67	21 58
280	2019	2022	19 52	21 57	22 61	31 86	21 58
281	2019	2022	0 00	46 22	51 39	48 30	45 22
282	2019	2022	12 00	14 00	13 00	15 00	15 00
283	2019	2022	15 41	13 35	12 33	18 50	18 50
284	2019	2022	0 00	454 00	458 00	464 00	0 00
285	2019	2022	64 71	87 31	76 05	77 08	61 67
286	2019	2022	16 44	39.03	47 28	65 78	39 05
287	2019	2022	23 63	25 68	25 69	27 75	24 67
288	2019	2022	390 00	374 00	221 00	302 00	0 00
289	2019	2022	57 52	62 66	31 86	51 39	33 92
290	2019	2022	16 44	13 35	13 36	12 33	13 36
291	2019	2022	43 14	63 69	48 30	80 16	44 19
292	2019	2022	250 63	15 41	11 31	0 00	0 00
293	2019	2022	25 68	26 71	28 78	28 78	26 72
294	2019	2022	26 71	29 79	26 72	30 83	26 72
295	2019	2022	24 65	25 68	24 67	27 75	28 78

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
296	2019	2022		31 84	30 82	39 05	0 00	35 97
297	2019	2022		21 57	0 00	0 00	0 00	0 00
298	2019	2022		0 00	0 00	31 86	0 00	28 78
299	2019	2022		21 57	23 63	27 75	35 97	25 69
300	2019	2022		24 65	24 65	27 75	45 22	23 64
301	2019	2022		34 92	0 00	37 00	61 67	43 17
302	2019	2022		108 88	0 00	191 16	2 06	104 83
303	2019	2022		38 01	52 39	70 91	50 36	41 11
304	2019	2022		40 06	46 22	46 25	69 89	49 33
305	2019	2022		26 71	30 82	30 83	27 75	27 75
306	2019	2022		98 61	102 72	98 66	0 00	112 03
307	2019	2022		0 00	0 00	0 00	0 00	0 00
308	2019	2022		19 52	22 60	24 67	16 44	20 56
309	2019	2022		0 00	43 14	40 08	40 08	0 00
310	2019	2022		0 00	7 19	9 25	6 17	0 00
311	2019	2022		0 00	0 00	1 03	0 00	2 06
312	2019	2022		5 14	5 14	5 14	5 14	5 14
313	2019	2022		4 11	0 00	0 00	0 00	7 19
314	2021	2024		66 77	62 66	61 67	66 80	63 72
315	2021	2024		73 96	74 99	69 89	75 03	72 97
316	2019	2022		31 00	38 00	51 00	48 00	51 00
317	2019	2022		0 00	0 00	0 00	0 00	0 00
318	2019	2022		0 00	9 24	9 25	7 19	8 22
319	2019	2022		43 00	53 00	53 00	0 00	0 00
320	2019	2022		0 00	0 00	0 00	0 00	0 00
321	2019	2022		194 00	112 00	90 00	0 00	101 00
322	2019	2022		0 00	3 08	5 14	4 11	6 17
323	2019	2022		0 00	0 00	0 00	0 00	0 00
324	2019	2022		0 00	0 00	0 00	0 00	0 00
325	2019	2022		0 00	0 00	0 00	0 00	0 00
326	2019	2022		29 00	34 00	34 00	32 00	26 00
327	2019	2022		77 00	93 00	93 00	90 00	95 00
328	2019	2022		0 00	0 00	0 00	0 00	0 00
329	2021	2024		104 00	79 00	77 00	77 00	103 00
330	2019	2022		0 00	0 00	0 00	0 00	0 00
331	2019	2022		0 00	0 00	0 00	0 00	0 00
332	2019	2022		10 27	12 33	0 00	0 00	0 00
333	2019	2022		18 49	25 68	21 58	17 47	10 28
334	2019	2022		12 33	12 33	13 36	0 00	11 31
335	2019	2022		2 00	10 00	24 00	10 00	22 00
336	2019	2022		0 00	83 00	79 00	76 00	76 00
337	2019	2022		0 00	16 00	131 00	128 00	121 00
338	2019	2022		0 00	0 00	0 00	0 00	5 14
339	2019	2022		0 00	13 35	15 42	14 39	0 00
340	2019	2022		4 11	5 14	5 14	0 00	4 11
341	2019	2022		0 00	10 00	12 00	13 00	12 00
342	2019	2022		7 19	0 00	17 47	0 00	21 58
343	2019	2022		0 00	24 65	22 61	20 56	20 56
344	2019	2022		88 34	45 20	49 33	0 00	50 36
345	2019	2022		0 00	0 00	0 00	0 00	0 00
346	2019	2022		1 03	30 82	31 86	25 69	23 64
347	2019	2022		21 57	19 52	38 03	19 53	18 50
348	2019	2022		0 00	38 01	38 03	28 78	27 75
349	2019	2022		32 87	28 76	26 72	24 67	24 67
350	2019	2022		0 00	0 00	0 00	0 00	2 06
351	2019	2022		52 39	44 17	35 97	58 58	41 11
352	2019	2022		30 82	35 95	39 05	50 36	50 36
353	2019	2022		32 87	38 01	35 97	56 53	37 00
354	2019	2022		287 00	299 00	288 00	307 00	307 00

			Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year	2020	2019	2018	2017	2016
355	2019	2022	2 05	3 08	9 25	0 00	0 00
356	2019	2022	0 00	0 00	9 25	0 00	19 53
357	2019	2022	71 90	76 01	87 36	77 08	79 14
358	2019	2022	72 93	102 72	65 78	109 97	56 53
359	2019	2022	0 00	0 00	0 00	0 00	0 00
360	2019	2022	45 20	35 95	39 05	55 50	38 03
361	2019	2022	49 31	56 50	51 39	57 55	63 72
362	2019	2022	41 09	45 20	42 14	19 53	40 08
363	2019	2022	24 65	28 76	28 78	37 00	29 80
364	2019	2022	19 52	21 57	22 61	28 78	44 19
365	2019	2022	14 38	14 38	15 42	15 42	12 33
366	2019	2022	47 25	51 36	53 44	77 08	46 25
367	2019	2022	22 60	30 82	25 69	30 83	21 58
368	2019	2022	0 00	22 60	28 78	27 75	0 00
369	2019	2022	0 00	0 00	0 00	0 00	0 00
370	2019	2022	14 38	15 41	17 47	22 61	16 44
371	2019	2022	28 76	36 98	37 00	50 36	30 83
372	2019	2022	2 05	1 03	1 03	2 06	0 00
373	2019	2022	13 35	14 38	14 39	13 36	12 33
374	2019	2022	0 00	0 00	0 00	0 00	0 00
375	2019	2022	26 71	30 82	31 86	28 78	28 78
376	2019	2022	88 34	89 37	89 41	0 00	77 08
377	2019	2022	12 33	14 38	11 31	0 00	0 00
378	2019	2022	0 00	9 24	6 17	6 17	6 17
379	2019	2022	0 00	0 00	4 11	5 14	0 00
380	2019	2022	0 00	0 00	3 08	4 11	3 08
381	2019	2022	0 00	20 54	23 64	16 44	0 00
382	2019	2022	0 00	0 00	1 03	1 03	0 00
383	2019	2022	0 00	4 11	2 06	4 11	1 03
384	2019	2022	7 19	11 30	11 31	0 00	0 00
385	2019	2022	7 19	8 22	0 00	0 00	14 39
386	2019	2022	29 79	26 71	25 69	22 61	20 56
387	2019	2022	0 00	0 00	0 00	0 00	0 00
388	2019	2022	0 00	0 00	0 00	0 00	0 00
389	2019	2022	0 00	0 00	0 00	0 00	0 00
390	2019	2022	0 00	0 00	0 00	0 00	0 00
391	2019	2022	0 00	0 00	0 00	0 00	0 00
392	2019	2022	41 00	41 00	46 00	0 00	56 00
393	2019	2022	0 00	0 00	0 00	0 00	0 00
394	2019	2022	0 00	22 60	28 78	0 00	0 00
395	2019	2022	0 00	17 46	19 53	21 58	0 00
396	2019	2022	0 00	0 00	0 00	0 00	0 00
397	2019	2022	0 00	0 00	0 00	0 00	0 00
398	2019	2022	26 71	23 63	24 67	24 67	25 69
399	2019	2022	0 00	34 92	38 03	35 97	40 08
400	2019	2022	0 00	0 00	0 00	0 00	0 00
401	2019	2022	26 00	24 00	28 00	29 00	0 00
402	2019	2022	3 08	3 08	3 08	3 08	3 08
403	2019	2022	40 06	48 28	53 44	35 97	33 92
404	2019	2022	4 11	59 58	4 11	47 28	39 05
405	2019	2022	14 38	15 41	24 67	11 31	13 36
406	2019	2022	46 22	84 23	127 44	70 91	69 89
407	2019	2022	32 87	33 90	34 94	46 25	32 89
408	2019	2022	0 00	0 00	4 11	0 00	4 11
409	2019	2022	106 00	122 00	153 00	103 00	0 00
410	2019	2022	23 63	0 00	35 97	30 83	34 94
411	2019	2022	9 24	5 14	19 53	0 00	20 56
412	2019	2022	98 61	84 23	87 36	127 44	94 55
413	2019	2022	79 09	126 34	88 39	161 36	109 97

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
414	2019	2022		31 84	35 95	37 00	48 30	37 00
415	2019	2022		12 33	15 41	12 33	0 00	13 36
416	2019	2022		10 27	10 27	13 36	0 00	15 42
417	2019	2022		47 25	53 41	59 61	78 11	58 58
418	2019	2022		0 00	0 00	14 39	0 00	13 36
419	2019	2022		20 00	19 00	22 00	21 00	39 00
420	2019	2022		0 00	5 14	16 44	0 00	19 53
421	2019	2022		62 66	68 82	66 80	0 00	78 11
422	2019	2022		15 41	18 49	20 56	22 61	23 64
423	2019	2022		0 00	80 12	68 86	78 11	77 08
424	2019	2022		757 00	523 00	1059 00	1305 00	1415 00
425	2019	2022		46 22	44 17	5 14	45 22	48 30
426	2019	2022		44 17	68 82	67 83	77 08	67 83
427	2019	2022		43 14	33 90	33 92	0 00	30 83
428	2019	2022		8 22	14 38	9 25	19 53	8 22
429	2019	2022		38 01	59 58	44 19	56 53	56 53
430	2019	2022		22 60	23 63	24 67	23 64	23 64
431	2019	2022		188 19	199 49	257 22	254 07	164 44
432	2019	2022		2013 00	1973 00	2074 00	2176 00	1979 00
433	2019	2022		0 00	0 00	0 00	0 00	0 00
434	2019	2022		28 76	30 82	29 80	28 78	33 92
435	2019	2022		0 00	61 63	70 91	60 64	0 00
436	2019	2022		0 00	26 71	32 89	32 89	0 00
437	2019	2022		0 00	39 03	39 05	35 97	0 00
438	2019	2022		0 00	15 41	13 36	12 33	13 36
439	2019	2022		49 31	52 39	50 36	0 00	61 67
440	2019	2022		0 00	0 00	0 00	1 03	3 08
441	2019	2022		6 16	5 14	5 14	0 00	5 14
442	2019	2022		45 20	41 09	41 11	0 00	47 28
443	2019	2022		0 00	9 24	32 89	10 28	11 31
444	2019	2022		0 00	64 71	64 75	49 33	54 47
445	2019	2022		17 46	17 46	18 50	17 47	21 58
446	2019	2022		361 00	479 00	547 00	585 00	524 00
447	2019	2022		55 00	97 00	116 00	108 00	109 00
448	2019	2022		474 00	0 00	412 00	0 00	443 00
449	2019	2022		0 00	0 00	0 00	0 00	0 00
450	2019	2022		0 00	0 00	0 00	0 00	0 00
451	2019	2022		53 00	53 00	50 00	54 00	56 00
452	2019	2022		12 00	19 00	22 00	0 00	24 00
453	2019	2022		0 00	0 00	0 00	0 00	0 00
454	2021	2024		2580 00	2102 00	1886 00	2484 00	2102 00
455	2019	2022		20 00	22 00	21 00	22 00	26 00
456	2019	2022		20 54	22 60	26 72	25 69	22 61
457	2019	2022		116 00	108 00	108 00	76 00	100 00
458	2019	2022		8 22	10 27	22 61	21 58	0 00
459	2019	2022		21 57	0 00	21 58	31 86	28 78
460	2021	2024		214 00	310 00	348 00	369 00	384 00
461	2019	2022		31 00	95 00	105 00	107 00	112 00
462	2019	2022		0 00	3 08	4 11	4 11	3 08
463	2019	2022		21 00	64 00	58 00	51 00	50 00
464	2019	2022		0 00	64 00	72 00	84 00	75 00
465	2019	2022		21 57	22 60	1 03	1 03	0 00
466	2019	2022		43 14	46 22	46 25	45 22	25 69
467	2019	2022		0 00	26 71	0 00	19 53	31 86
468	2019	2022		60 60	56 50	68 86	68 86	49 33
469	2019	2022		54 44	51 36	39 05	48 30	46 25
470	2019	2022		543 00	539 00	177 00	563 00	0 00
471	2019	2022		25 68	32 87	32 89	32 89	30 83
472	2019	2022		84 23	83 20	89 41	113 05	79 14

Premise Number	Year Received	Final Year	Annual Peak kW Opt-Out Contribution				
			2020	2019	2018	2017	2016
473	2019	2022	26 71	30 82	28 78	26 72	25 69
474	2019	2022	22 60	26 71	26 72	34 94	23 64
475	2019	2022	57 52	54 44	61 67	66 80	63 72
476	2019	2022	31 84	51 36	51 39	77 08	82 22
477	2019	2022	60 60	47 25	49 33	0 00	52 42
478	2019	2022	35 95	68 82	44 19	67 83	41 11
479	2019	2022	10 00	0 00	11 00	0 00	10 00
480	2019	2022	41 09	42 11	45 22	0 00	39 05
481	2019	2022	32 87	58 55	48 30	55 50	65 78
482	2019	2022	77 00	0 00	75 00	0 00	142 00
483	2019	2022	30 00	36 00	35 00	39 00	29 00
484	2019	2022	16 44	35 95	37 00	57 55	38 03
485	2019	2022	25 68	33 90	29 80	38 03	26 72
486	2019	2022	49 31	46 22	43 17	50 36	39 05
487	2019	2022	38 01	40 06	0 00	35 97	38 03
488	2019	2022	16 44	14 38	6 17	14 39	14 39
489	2019	2022	0 00	0 00	18 50	17 47	19 53
490	2019	2022	45 20	15 41	17 47	29 80	15 42
491	2019	2022	31 84	80 12	26 72	40 08	23 64
492	2019	2022	20 54	22 60	23 64	26 72	28 78
493	2019	2022	1 03	1 03	1 03	1 03	0 00
494	2019	2022	0 00	28 76	34 94	28 78	33 92
495	2019	2022	0 00	0 00	0 00	0 00	0 00
496	2019	2022	0 00	35 95	33 92	34 94	31 86
497	2019	2022	8 22	8 22	14 39	0 00	12 33
498	2019	2022	13 35	17 46	17 47	0 00	17 47
499	2019	2022	5 14	6 16	13 36	0 00	13 36
500	2019	2022	2 05	3 08	0 00	0 00	5 14
501	2019	2022	0 00	17 46	22 61	22 61	24 67
502	2019	2022	19 00	10 00	14 00	12 00	0 00
503	2019	2022	0 00	7 00	10 00	17 00	26 00
504	2019	2022	0 00	0 00	0 00	0 00	0 00
505	2019	2022	0 00	0 00	0 00	0 00	0 00
506	2019	2022	0 00	0 00	0 00	0 00	0 00
507	2019	2022	413 00	312 00	307 00	0 00	368 00
508	2019	2022	23 00	27 00	36 00	33 00	41 00
509	2019	2022	14 00	14 00	21 00	23 00	24 00
510	2019	2022	0 00	0 00	0 00	0 00	0 00
511	2019	2022	0 00	0 00	0 00	0 00	0 00
512	2019	2022	164 00	153 00	166 00	188 00	336 00
513	2019	2022	91 00	102 00	98 00	77 00	0 00
514	2019	2022	6 16	7 19	0 00	7 19	8 22
515	2019	2022	1 03	32 87	0 00	25 69	24 67
516	2019	2022	0 00	0 00	0 00	3 08	0 00
517	2019	2022	0 00	7 19	12 33	13 36	0 00
518	2019	2022	0 00	0 00	0 00	10 28	0 00
519	2019	2022	104 00	118 00	128 00	179 00	179 00
520	2019	2022	16 44	15 41	20 56	17 47	19 53
521	2019	2022	45 00	40 00	50 00	40 00	42 00
522	2019	2022	0 00	5 14	5 14	11 31	0 00
523	2019	2022	11 30	9 24	0 00	79 14	10 28
524	2019	2022	13 35	14 38	12 33	13 36	15 42
525	2019	2022	23 63	23 63	37 00	19 53	19 53
526	2019	2022	62 66	71 90	53 44	72 97	52 42
527	2019	2022	24 65	26 71	26 72	29 80	23 64
528	2019	2022	22 60	27 73	24 67	0 00	22 61
529	2019	2022	35 95	38 01	43 17	38 03	41 11
530	2019	2022	22 60	24 65	30 83	19 53	23 64
531	2019	2022	2 05	0 00	2 06	0 00	9 25

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
532	2019	2022		0 00	0 00	0 00	0 00	0 00
533	2019	2022		27 73	32 87	30 83	31 86	29 80
534	2019	2022		11 30	10 27	12 33	11 31	10 28
535	2019	2022		82 18	104 77	100 72	100 72	71 94
536	2019	2022		0 00	0 00	0 00	0 00	0 00
537	2019	2022		25 68	26 71	28 78	30 83	25 69
538	2019	2022		15 41	0 00	0 00	0 00	22 61
539	2019	2022		0 00	71 90	79 14	74 00	76 05
540	2019	2022		5 14	0 00	13 36	0 00	18 50
541	2019	2022		20 54	21 57	23 64	30 83	20 56
542	2019	2022		22 60	25 68	26 72	28 78	23 64
543	2019	2022		11 30	12 33	13 36	15 42	17 47
544	2019	2022		46 22	31 84	38 03	49 33	52 42
545	2019	2022		24 65	25 68	27 75	31 86	24 67
546	2019	2022		284 00	0 00	0 00	410 00	421 00
547	2019	2022		90 39	76 01	71 94	0 00	74 00
548	2019	2022		16 44	19 52	17 47	18 50	20 56
549	2019	2022		21 57	9 24	2 06	0 00	13 36
550	2019	2022		267 00	0 00	328 00	397 00	373 00
551	2019	2022		57 52	43 14	49 33	0 00	44 19
552	2019	2022		23 63	26 71	28 78	32 89	25 69
553	2019	2022		28 76	48 28	33 92	55 50	43 17
554	2019	2022		59 58	61 63	55 50	0 00	65 78
555	2019	2022		52 39	51 36	57 55	49 33	56 53
556	2019	2022		0 00	0 00	1 00	0 00	0 00
557	2019	2022		44 17	43 14	38 03	41 11	45 22
558	2019	2022		25 68	26 71	26 72	0 00	29 80
559	2019	2022		15 41	18 49	18 50	23 64	20 56
560	2019	2022		20 54	21 57	22 61	27 75	21 58
561	2019	2022		15 41	18 49	17 47	17 47	19 53
562	2019	2022		413 00	410 00	381 00	416 00	357 00
563	2019	2022		97 58	122 24	116 14	0 00	133 61
564	2019	2022		44 17	52 39	47 28	63 72	52 42
565	2019	2022		42 11	43 14	45 22	47 28	42 14
566	2019	2022		325.17	360 18	345 13	350 16	350 16
567	2019	2022		29 79	45 20	34 94	31 86	26 72
568	2019	2022		42 11	28 76	43 17	44 19	21 58
569	2019	2022		31 00	43 00	39 00	43 00	39 00
570	2019	2022		49 31	48 28	74 00	44 19	46 25
571	2019	2022		62 66	58 55	57 55	66 80	55 50
572	2019	2022		0 00	21 00	20 00	0 00	17 00
573	2019	2022		37 00	37 00	37 00	8 00	33 00
574	2019	2022		55 00	54 00	55 00	49 00	50 00
575	2019	2022		0 00	40 00	36 00	2 00	38 00
576	2019	2022		24 65	0 00	26 72	25 69	24 67
577	2019	2022		26 71	0 00	25 69	31 86	37 00
578	2019	2022		23 63	29 79	29 80	27 75	24 67
579	2019	2022		77 04	55 47	58 58	0 00	56 53
580	2019	2022		132 51	118 99	120 05	114 08	117 16
581	2019	2022		21 57	24 65	23 64	27 75	22 61
582	2019	2022		69 00	60 00	78 00	84 00	72 00
583	2019	2022		34 92	27 73	33 92	34 94	0 00
584	2019	2022		0 00	112 99	125 39	0 00	122 30
585	2019	2022		23 63	33 90	34 94	26 72	23 64
586	2019	2022		28 00	31 00	31 00	34 00	33 00
587	2019	2022		18 49	30 82	26 72	22 61	17 47
588	2019	2022		1 03	1 03	1 03	1 03	1 03
589	2019	2022		101 69	93 47	93 53	0 00	95 58
590	2019	2022		52 39	69 85	83 25	60 64	51 39

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
591	2019	2022		29 79	30 82	26 72	0 00	24 67
592	2019	2022		0 00	29 79	29 80	25 69	25 69
593	2019	2022		37 00	39 00	35 00	9 00	38 00
594	2019	2022		5 14	49 31	50 36	53 44	49 33
595	2019	2022		20 54	25 68	19 53	19 53	16 44
596	2019	2022		30 00	0 00	34 00	32 00	34 00
597	2019	2022		0 00	0 00	0 00	0 00	0 00
598	2019	2022		0 00	0 00	0 00	0 00	0 00
599	2019	2022		0 00	52 39	51 39	46 25	51 39
600	2019	2022		0 00	0 00	0 00	0 00	0 00
601	2019	2022		16 44	18 49	18 50	0 00	18 50
602	2019	2022		32 87	27 73	26 72	0 00	27 75
603	2019	2022		92 45	96 56	0 00	0 00	105 86
604	2019	2022		0 00	0 00	0 00	0 00	37 00
605	2019	2022		14 38	14 38	9 25	0 00	0 00
606	2019	2022		0 00	33 90	34 94	0 00	31 86
607	2019	2022		60 60	43 14	43 17	0 00	46 25
608	2019	2022		122 24	122 24	101 75	0 00	114 08
609	2019	2022		28 76	26 71	24 67	0 00	24 67
610	2019	2022		40 06	33 90	35 97	0 00	39 05
611	2019	2022		108 88	0 00	97 64	0 00	80 16
612	2019	2022		24 65	18 49	16 44	0 00	19 53
613	2019	2022		0 00	20 54	24 67	0 00	22 61
614	2019	2022		17 46	0 00	20 56	19 53	15 42
615	2019	2022		27 73	30 82	30 83	41 11	40 08
616	2019	2022		64 71	73 96	70 91	0 00	67 83
617	2019	2022		26 71	29 79	25 69	40 08	23 64
618	2019	2022		0 00	122 24	0 00	0 00	137 72
619	2019	2022		0 00	89 37	103 80	0 00	99 69
620	2019	2022		24 65	27 73	32 89	27 75	25 69
621	2019	2022		0 00	93 47	102 78	0 00	109 97
622	2019	2022		0 00	66 77	68 86	0 00	66 80
623	2019	2022		2 05	2 05	1 03	1 03	1 03
624	2019	2022		1 03	2 05	1 03	2 06	2 06
625	2019	2022		0 00	61 63	61 67	0 00	57 55
626	2019	2022		65 74	23 63	19 53	42 14	41 11
627	2019	2022		40 06	43 14	41 11	0 00	39 05
628	2019	2022		0 00	0 00	79 14	0 00	82 22
629	2019	2022		0 00	31 84	30 83	0 00	28 78
630	2019	2022		0 00	23 63	33 92	32 89	31 86
631	2019	2022		30 82	30 82	26 72	28 78	26 72
632	2019	2022		62 66	0 00	0 00	0 00	120 56
633	2019	2022		0 00	0 00	0 00	0 00	51 39
634	2019	2022		30 82	34 92	34 94	47 28	37 00
635	2019	2022		6 16	7 19	6 17	6 17	7 19
636	2019	2022		10 27	11 30	11 31	13 36	12 33
637	2019	2022		0 00	78 07	89 41	0 00	97 64
638	2019	2022		0 00	17 46	27 75	0 00	0 00
639	2019	2022		3 08	3 08	2 06	3 08	3 08
640	2019	2022		25 68	55 47	27 75	0 00	38 03
641	2019	2022		31 84	26 71	32 89	49 33	32 89
642	2019	2022		0 00	0 00	100 72	0 00	95 58
643	2019	2022		88 34	112 99	88 39	127 44	88 39
644	2019	2022		24 65	41 09	32 89	33 92	24 67
645	2019	2022		81 15	95 53	86 33	98 66	87 36
646	2019	2022		89 37	107 86	29 80	0 00	85 30
647	2019	2022		217 76	90 39	20 56	0 00	76 05
648	2019	2022		0 00	15 41	15 42	11 31	10 28
649	2019	2022		70 88	92 45	92 50	71 94	0 00

			Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year	2020	2019	2018	2017	2016
650	2019	2022	0 00	34 92	31 86	0 00	46 25
651	2019	2022	0 00	0 00	0 00	0 00	0 00
652	2019	2022	130 45	119 15	136 69	94 55	0 00
653	2019	2022	71 90	94 50	82 22	97 64	102 78
654	2019	2022	34 92	0 00	40 08	49 33	40 08
655	2019	2022	51 36	50 33	56 53	40 08	39 05
656	2019	2022	0 00	56 50	65 78	70 91	68 86
657	2019	2022	0 00	2 00	0 00	0 00	7 00
658	2019	2022	47 00	0 00	51 00	37 00	44 00
659	2019	2022	91 42	96 56	88 39	63 72	58 58
660	2019	2022	0 00	0 00	93 00	0 00	95 00
661	2019	2022	253 00	244 00	276 00	204 00	0 00
662	2019	2022	0 00	8 00	7 00	0 00	0 00
663	2019	2022	0 00	45 00	51 00	0 00	51 00
664	2019	2022	96 00	104 00	98 00	99 00	97 00
665	2019	2022	0 00	7 00	7 00	11 00	14 00
666	2019	2022	0 00	47 00	42 00	0 00	66 00
667	2019	2022	47 00	56 00	54 00	42 00	40 00
668	2019	2022	10 00	11 00	10 00	13 00	12 00
669	2019	2022	38 01	0 00	39 05	40 08	39 05
670	2019	2022	22 60	25 68	20 56	21 58	22 61
671	2019	2022	111 96	103 75	112 03	115 11	103 80
672	2019	2022	0 00	0 00	0 00	5 00	0 00
673	2019	2022	25 00	22 00	75 00	24 00	23 00
674	2019	2022	0 00	0 00	0 00	0 00	1 03
675	2019	2022	0 00	0 00	0 00	0 00	0 00
676	2019	2022	0 00	0 00	0 00	0 00	0 00
677	2019	2022	0 00	0 00	0 00	0 00	0 00
678	2019	2022	22 00	30 00	20 00	19 00	18 00
679	2019	2022	63 00	71 00	87 00	79 00	59 00
680	2019	2022	0 00	7 19	7 19	0 00	6 17
681	2019	2022	0 00	0 00	0 00	0 00	0 00
682	2019	2022	114 02	90 39	0 00	119 22	126 41
683	2019	2022	9 00	9 00	11 00	13 00	9 00
684	2019	2022	9 00	9 00	11 00	13 00	10 00
685	2021	2024	0 00	162 00	152 00	0 00	0 00
686	2019	2022	0 00	10 00	11 00	13 00	11 00
687	2019	2022	8 00	11 00	11 00	11 00	9 00
688	2019	2022	14 00	16 00	0 00	0 00	0 00
689	2019	2022	33 00	40 00	42 00	54 00	51 00
690	2019	2022	0 00	26 00	29 00	30 00	28 00
691	2019	2022	78 00	106 00	100 00	97 00	81 00
692	2019	2022	49 00	50 00	47 00	47 00	14 67
693	2019	2022	0 00	0 00	0 00	0 00	0 00
694	2019	2022	41 00	49 00	47 00	47 00	44 00
695	2019	2022	17 00	19 00	21 00	28 00	17 00
696	2019	2022	11 00	12 00	12 00	11 00	13 00
697	2019	2022	25 00	26 00	26 00	35 00	26 00
698	2019	2022	0 00	0 00	0 00	0 00	0 00
699	2019	2022	0 00	0 00	0 00	0 00	6 00
700	2019	2022	28 00	41 00	30 00	39 00	34 00
701	2019	2022	0 00	0 00	0 00	0 00	0 00
702	2019	2022	199 00	200 00	380 00	425 00	386 00
703	2019	2022	40 06	0 00	32 89	31 86	0 00
704	2019	2022	15 00	19 00	19 00	16 00	0 00
705	2019	2022	29 79	36 98	35 97	34 94	41 11
706	2019	2022	0 00	0 00	0 00	0 00	0 00
707	2019	2022	0 00	19 52	22 61	0 00	53 44
708	2019	2022	0 00	90 39	77 08	92 50	92 50

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
709	2019	2022		13 00	12 00	12 00	11 00	15 00
710	2019	2022		0 00	0 00	0 00	0 00	0 00
711	2019	2022		40 06	50 33	49 33	51 39	50 36
712	2019	2022		0 00	182 84	180 88	0 00	195 27
713	2019	2022		0 00	0 00	106 89	107 91	101 75
714	2019	2022		38 01	0 00	0 00	35 97	29 80
715	2019	2022		9 24	11 30	11 31	14 39	10 28
716	2019	2022		17 46	22 60	18 50	23 64	17 47
717	2019	2022		65 74	51 36	59 61	0 00	68 86
718	2019	2022		265 00	267 00	283 00	276 00	281 00
719	2019	2022		12 33	11 30	12 33	13 36	12 33
720	2019	2022		0 00	75 00	84 00	120 00	116 00
721	2019	2022		0 00	62 66	62 69	63 72	70 91
722	2019	2022		47 25	46 22	51 39	51 39	43 17
723	2019	2022		0 00	26 71	20 56	18 50	20 56
724	2019	2022		22 60	28 76	20 56	18 50	21 58
725	2019	2022		46 22	42 11	47 28	57 55	0 00
726	2019	2022		55 47	56 50	41 11	39 05	42 14
727	2019	2022		52 39	61 63	45 22	43 17	0 00
728	2019	2022		63 69	60 60	62 69	83 25	67 83
729	2019	2022		90 39	86 28	0 00	112 03	109 97
730	2019	2022		6 16	10 27	14 39	14 39	13 36
731	2019	2022		0 00	15 41	15 42	14 39	25 69
732	2019	2022		0 00	88 34	94 55	0 00	0 00
733	2019	2022		0 00	52 39	0 00	65 78	66 80
734	2021	2024		423 00	610 00	618 00	688 00	570 00
735	2019	2022		0 00	48 28	67 83	0 00	88 39
736	2019	2022		0 00	83 20	94 55	103 80	107 91
737	2019	2022		0 00	0 00	0 00	0 00	96 61
738	2019	2022		25 00	24 00	41 00	35 00	25 00
739	2019	2022		26 71	30 82	28 78	47 28	32 89
740	2019	2022		44 17	50 33	52 42	58 58	53 44
741	2019	2022		53 41	51 36	47 28	52 42	37 00
742	2019	2022		0 00	134 56	146 97	0 00	148 00
743	2019	2022		0 00	55 47	56 53	0 00	72 97
744	2019	2022		45 20	50 33	58 58	0 00	46 25
745	2019	2022		24 65	26 71	27 75	38 03	27 75
746	2019	2022		43 14	57 52	61 67	57 55	64 75
747	2019	2022		17 46	19 52	15 42	14 39	14 39
748	2019	2022		27 73	19 52	21 58	22 61	25 69
749	2019	2022		21 57	22 60	23 64	24 67	24 67
750	2019	2022		15 41	14 38	14 39	14 39	14 39
751	2019	2022		13 35	19 52	19 53	19 53	19 53
752	2019	2022		41 09	52 39	38 03	39 05	34 94
753	2019	2022		81 15	82 18	82 22	82 22	93 53
754	2019	2022		13 35	13 35	14 39	9 25	15 42
755	2019	2022		29 79	27 73	20 56	31 86	31 86
756	2019	2022		0 00	2 05	3 08	0 00	3 08
757	2019	2022		0 00	15 41	40 08	41 11	38 03
758	2019	2022		0 00	31 00	31 00	27 00	28 00
759	2019	2022		3 08	3 08	7 19	0 00	5 14
760	2019	2022		2 05	1 03	0 00	10 28	0 00
761	2019	2022		2 05	0 00	1 03	3 08	0 00
762	2019	2022		40 06	49 31	59 61	53 44	60 64
763	2019	2022		64 71	60 60	66 80	64 75	55 50
764	2019	2022		20 54	0 00	13 36	18 50	18 50
765	2019	2022		27 00	29 00	31 00	30 00	0 00
766	2019	2022		62 66	47 25	56 53	60 64	47 28
767	2019	2022		16 44	22 60	22 61	22 61	19 53

				Annual Peak kW Opt-Out Contribution				
Premise Number	Year Received	Final Year		2020	2019	2018	2017	2016
768	2019	2022		32 87	0 00	47 28	39 05	48 30
769	2019	2022		16 44	15 41	15 42	16 44	0 00
770	2019	2022		0 00	22 60	20 56	47 28	22 61
771	2019	2022		0 00	3 08	3 08	0 00	4 11
772	2019	2022		0 00	0 00	0 00	0 00	0 00
773	2019	2022		34 92	0 00	44 19	32 89	37 00
774	2019	2022		17 46	16 44	19 53	25 69	15 42
775	2019	2022		10 27	13 35	12 33	13 36	13 36
776	2019	2022		9 24	11 30	12 33	14 39	13 36
777	2019	2022		14 38	19 52	17 47	20 56	16 44
778	2019	2022		33 90	36 98	25 69	30 83	32 89
779	2019	2022		11 00	13 00	13 00	15 00	10 00
780	2019	2022		11 00	11 00	11 00	15 00	11 00
781	2019	2022		853 00	0 00	0 00	8 00	0 00
782	2019	2022		1 03	1 03	1 03	21 58	42 14
783	2019	2022		48 28	59 58	18 50	18 50	37 00
784	2021	2024		2240 00	2259 00	1953 00	2026 00	1871 00
785	2019	2022		18 49	15 41	14 39	0 00	16 44
786	2019	2022		0 00	0 00	3 08	15 42	14 39
787	2019	2022		291 00	296 00	261 00	270 00	279 00
788	2019	2022		0 00	0 00	0 00	13 00	12 00
789	2019	2022		52 39	53 41	53 44	111 00	54 47
790	2019	2022		51 00	53 00	53 00	54 00	53 00
791	2019	2022		43 00	31 00	87 00	44 00	53 00
792	2019	2022		0 00	0 00	119 22	137 72	101 75
793	2019	2022		26 71	42 11	0 00	30 83	41 11
794	2019	2022		31 84	28 76	20 56	21 58	28 78
795	2019	2022		22 60	21 57	21 58	24 67	23 64
796	2019	2022		27 73	33 90	23 64	24 67	21 58
797	2019	2022		22 60	20 54	19 53	21 58	21 58
798	2019	2022		19 52	19 52	26 72	22 61	20 56
799	2019	2022		24 65	21 57	21 58	0 00	26 72
800	2019	2022		40 00	45 00	46 00	0 00	21 00
801	2019	2022		0 00	0 00	26 00	29 00	32 00
802	2019	2022		34 92	30 82	18 50	27 75	29 80
803	2019	2022		0 00	0 00	9 00	6 00	220 00
804	2019	2022		0 00	0 00	0 00	0 00	0 00
805	2019	2022		25 68	25 68	26 72	28 78	30 83
806	2019	2022		7 19	8 22	5 14	13 36	12 33
807	2019	2022		0 00	0 00	0 00	0 00	0 00
808	2019	2022		13 35	18 49	24 67	26 72	19 53
809	2019	2022		24 65	27 73	28 78	37 00	25 69
810	2019	2022		0 00	0 00	0 00	0 00	0 00
811	2019	2022		0 00	32 87	35 97	43 17	38 03
812	2019	2022		120 18	139 70	139 77	0 00	131 55
813	2019	2022		108 00	103 00	118 00	114 00	128 00
814	2019	2022		43 14	47 25	48 30	0 00	0 00
815	2019	2022		0 00	0 00	0 00	0 00	0 00
816	2019	2022		47 25	182 84	0 00	0 00	0 00
Totals				44,250.69	48,406.30	50,981.74	48,568.80	47,735.84
				44 25069	48 4063	50 98174	48 5688	47 73584

Bonus and Cost-effectiveness Calculator

Version v11.1
updated 2/26/2021

Insert or Verify Data in Blue Cells	Fixed Inputs per PUC Rule
Avoided Cost per kW	\$80.00
Avoided Cost per kWh	\$0.11366
Utility Specific Discount Rate (WACC)	7.88%
Inflation Rate	2.0%
Maximum % Net Benefits for Bonus	10.0%

Avoided Cost Reference

Updated

2013	2014	2015	2016	2017	2018	2019	2020	2021
\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00
\$0.104000	\$0.046190	\$0.053210	\$0.050880	\$0.039890	\$0.037570	\$0.050840	\$0.113660	\$0.10161

PUC Goals	kW	kWh
2020 Goals	5,994	10,502,289

updated

Cost-effectiveness Input	
Bonus Collected in 2020 = Bonus Earned in 2018	\$ 607,033
Bonus Input	
Bonus to add to current total program costs for new bonus	\$ 607,033

updated

Please Note: The bonus included in the cost-effectiveness analysis is the bonus *collected* for the program year, not the bonus *earned*. For example, for PY2020 cost-effectiveness, the *bonus collected* (= 2018 bonus earned) should be included in cell B14 of this tab.

As a result, this bonus will not match the bonus calculated in the Step 4 Bonus Calculator Tab which is the *bonus earned* for PY2020.

Due to the rule change, a bonus must also be included as a program cost for the purposes of calculating the new bonus. We are using the same bonus that is used for cost-effectiveness.

Instructions		Select from drop-down	Manually Enter Data (It's ok to cut and paste in these cells)				Automatic Or Manual
	Program (list custom measure here if necessary)	Measure (Select from Drop Down Menu)	# Installations	kW	kWh	Incentives	Estimated Useful Life
WHITE CELLS: Enter Data	Commercial SOP	N/A	97	665.78	2,917,683	\$ 217,621.86	N/A
GREY CELLS: Sub-Totals or Blanks	C-IntCornLED	Com Lamps and Fixtures: LED Corn Cobs	12	28.29	159,038	\$ 11,507.63	15.0
BLUE CELLS: Optional Data Entry	C-IntLED	Com Lamps and Fixtures: Integral LED Lamps	20	20.02	97,417	\$ 7,740.55	9.0
GREEN CELLS: Automatic Calculations	C-LEDFlu	Com Lamps and Fixtures: LED Fixtures	33	293.10	1,409,596	\$ 107,027.51	15.0
Max of 16 programs	C-LEDFlu	Com Lamps and Fixtures: LED Tubes	30	215.92	1,243,420	\$ 88,557.39	15.0
	C-LightCtrl	Com Lighting Controls	1	0.75	2,006	\$ 151.03	10.0
Measure Search:	C-WndFilm	Com Window Film	1	7.70	6,186	\$ 2,637.75	10.0
*Filter measure list for cells in column C here; see comment in C1 for instructions *							
	Retro-Commissioning MTP	N/A	-	1,248.21	6,919,253	\$ 947,396.26	N/A
	Air Conditioner	Com Split Packaged AC's and H/B's		9.87	9,526	\$ 1,304.32	15.0
	Air-Cooled Chiller	Com HVAC Chillers: Screw/Scroll Reciprocating		91.88	90,715	\$ 12,420.86	20.0
	Capital Upgrade	Custom		8.83	77,312	\$ 10,588.43	15.0
	Controls Upgrade	Custom		105.52	1,972,500	\$ 270,078.16	15.0
	Energy Recovery Ventilator	Custom		1.42	1,680	\$ 230.03	14.0
	Heat Pump	Com Split Packaged AC's and H/B's		7.05	23,176	\$ 3,173.30	15.0
	Integral LED	Com Lamps and Fixtures: Integral LED Lamps		219.71	1,072,829	\$ 146,893.63	9.0
	Light Emitting Diode (LED)	Com Lamps and Fixtures: LED Fixtures		800.55	3,669,685	\$ 502,459.71	15.0
	Windows	Com Window Film		3.38	1,810	\$ 247.83	10.0
	Load Management SOP	N/A	9	4,922.00	78,720	\$ 246,100.00	N/A
		MMV Non-Rex Load Curtailment	9	4,922.00	78,720	\$ 246,100.00	1.0
	Small Commercial MTP	N/A	48	159.81	735,176	\$ 198,213.08	N/A
	C-IntCornLED	Com Lamps and Fixtures: LED Corn Cobs	3	4.91	26,490	\$ 7,142.05	15.0
	C-IntLED	Com Lamps and Fixtures: Integral LED Lamps	14	22.90	141,501	\$ 38,150.52	9.0
	C-LEDFlu	Com Lamps and Fixtures: LED Fixtures	17	103.62	458,529	\$ 123,625.42	15.0
	C-LEDFlu	Com Lamps and Fixtures: LED Tubes	13	28.36	108,562	\$ 29,269.74	15.0
	C-LightCtrl	Com Lighting Controls	1	0.02	94	\$ 25.34	10.0
	Home Lighting MTP (Commercial Portion)	N/A	-	395.72	2,021,574	\$ 17,289.73	N/A
		Com Lamps and Fixtures: Integral LED Lamps		395.72	2,021,574	\$ 17,289.73	9.0

Instructions	Automatic Calculations for Cost-effectiveness and Bonus										
	Total Admin for Bonus (Excluding Bonus, including cost paid for EECRP)	Total Admin for CE (Including Bonus, excluding cost paid for EECRP)	Total Program Cost for Bonus (Excluding Bonus, including cost paid for EECRP)	Total Program Cost for CE (Including Bonus, excluding cost paid for EECRP)	PV (Avoided Capacity Cost)	PV (Avoided Energy Cost)	PV Avd Capacity Cost * kW	PV Avoided Energy Cost * kWh	Total Avoided Cost	Net Benefits	Ben-Cost Ratio
WHITE CELLS: Enter Data	\$ 52,952	\$ 94,294	\$ 279,574	\$ 311,916	\$ 4,188	\$ 5,836	\$ 449,919	\$ 3,235,531	\$ 3,675,541	\$ 3,363,626	11.78
GREY CELLS: Sub-Totals or Blanks	\$ 2,800	\$ 4,986	\$ 14,308	\$ 16,494	\$ 789	\$ 1,121	\$ 22,323	\$ 178,292	\$ 200,615	\$ 184,121	12.16
BLUE CELLS: Optional Data Entry	\$ 1,883	\$ 3,354	\$ 9,624	\$ 11,094	\$ 550	\$ 0.781	\$ 11,006	\$ 76,104	\$ 87,110	\$ 76,016	7.85
GREEN CELLS: Automatic Calculations	\$ 26,042	\$ 46,374	\$ 133,970	\$ 153,402	\$ 789	\$ 1,121	\$ 231,275	\$ 1,580,250	\$ 1,811,525	\$ 1,658,123	11.81
Max of 16 programs	\$ 21,548	\$ 38,371	\$ 110,105	\$ 126,929	\$ 789	\$ 1,121	\$ 170,375	\$ 1,393,955	\$ 1,564,330	\$ 1,437,402	12.32
	\$ 37	\$ 65	\$ 188	\$ 216	\$ 595	\$ 0.846	\$ 447	\$ 1,697	\$ 2,144	\$ 1,927	9.90
Measure Search:	\$ 642	\$ 1,143	\$ 3,280	\$ 3,781	\$ 595	\$ 0.846	\$ 4,585	\$ 5,233	\$ 9,818	\$ 6,037	2.60
Filter measure list for cells in column C here; see comment in C1 for instructions.											
	\$ 55,397	\$ 208,617	\$ 1,882,793	\$ 1,156,014	\$ 6,780	\$ 10	\$ 945,079	\$ 7,410,445	\$ 8,355,524	\$ 7,199,510	7.23
	\$ 76	\$ 287	\$ 1,381	\$ 1,592	\$ 789	\$ 1,121	\$ 7,788	\$ 10,679	\$ 18,467	\$ 16,876	11.60
	\$ 726	\$ 2,735	\$ 13,147	\$ 15,156	\$ 935	\$ 1,329	\$ 85,943	\$ 120,555	\$ 206,498	\$ 191,342	13.62
	\$ 619	\$ 2,332	\$ 11,208	\$ 12,920	\$ 789	\$ 1,121	\$ 6,967	\$ 86,694	\$ 93,662	\$ 80,742	7.25
	\$ 15,792	\$ 59,471	\$ 285,870	\$ 329,550	\$ 789	\$ 1,121	\$ 83,261	\$ 2,211,302	\$ 2,294,563	\$ 1,965,014	6.96
	\$ 13	\$ 51	\$ 243	\$ 281	\$ 755	\$ 1,072	\$ 1,071	\$ 1,801	\$ 2,872	\$ 2,592	10.23
	\$ 186	\$ 699	\$ 3,359	\$ 3,872	\$ 789	\$ 1,121	\$ 5,563	\$ 25,982	\$ 31,545	\$ 27,673	8.15
	\$ 8,589	\$ 32,346	\$ 155,483	\$ 179,240	\$ 550	\$ 0.781	\$ 120,786	\$ 837,943	\$ 958,729	\$ 779,489	5.35
	\$ 29,380	\$ 110,642	\$ 531,840	\$ 613,102	\$ 789	\$ 1,121	\$ 631,687	\$ 4,113,957	\$ 4,745,644	\$ 4,132,543	7.74
	\$ 14	\$ 55	\$ 262	\$ 302	\$ 595	\$ 0.846	\$ 2,013	\$ 1,531	\$ 3,544	\$ 3,241	11.72
	\$ 36,338	\$ 79,493	\$ 282,438	\$ 325,593	\$ 76	\$ 0	\$ 372,298	\$ 8,460	\$ 380,758	\$ 55,165	1.17
	\$ 36,338	\$ 79,493	\$ 282,438	\$ 325,593	\$ 76	\$ 0.107	\$ 372,298	\$ 8,460	\$ 380,758	\$ 55,165	1.17
	\$ 11,849	\$ 43,945	\$ 210,062	\$ 242,158	\$ 3,512	\$ 5	\$ 128,616	\$ 776,043	\$ 896,660	\$ 654,501	3.70
	\$ 427	\$ 1,583	\$ 7,569	\$ 8,725	\$ 789.07	\$ 1,121	\$ 3,874	\$ 29,697	\$ 33,571	\$ 24,846	3.85
	\$ 2,281	\$ 8,458	\$ 40,431	\$ 46,609	\$ 549.75	\$ 0.781	\$ 12,588	\$ 110,521	\$ 123,109	\$ 76,590	2.64
	\$ 7,390	\$ 27,409	\$ 131,016	\$ 151,034	\$ 789.07	\$ 1,121	\$ 81,764	\$ 514,041	\$ 595,805	\$ 444,771	3.94
	\$ 1,750	\$ 6,489	\$ 31,019	\$ 35,759	\$ 789.07	\$ 1,121	\$ 22,378	\$ 121,705	\$ 144,083	\$ 108,324	4.03
	\$ 2	\$ 6	\$ 27	\$ 31	\$ 595.43	\$ 0.846	\$ 12	\$ 80	\$ 91	\$ 60	2.95
	\$ 7,251	\$ 11,000	\$ 24,540	\$ 28,290	\$ 550	\$ 1	\$ 217,547	\$ 1,578,969	\$ 1,796,516	\$ 1,768,226	63.50
	\$ 7,251	\$ 11,000	\$ 24,540	\$ 28,290	\$ 549.75	\$ 0.781	\$ 217,547	\$ 1,578,969	\$ 1,796,516	\$ 1,768,226	63.50

Residential SOP	N/A	1,223	972.08	2,166,148	\$	597,187.59	N/A
<i>R-AirInf</i>	Res Air Infiltration	198	207.92	401,836	\$	120,647.89	11.0
<i>R-AtticEnsp</i>	Res Attic Encapsulation	6	9.81	16,938	\$	5,459.87	25.0
<i>R-CeilingIns</i>	Res Ceiling Insulation	393	580.78	1,368,331	\$	365,278.38	25.0
<i>R-CentAC</i>	Res Central Air Conditioners	89	68.68	86,197	\$	34,501.36	18.0
<i>R-CentHP</i>	Res Large Capacity Split System and Single-Package HP	13	17.29	55,847	\$	12,612.27	15.0
<i>R-DuctEff</i>	Res Duct Efficiency Improvement	194	64.51	160,854	\$	41,592.78	18.0
<i>R-FaucetAertr</i>	Res Faucet Aerators	3	0.03	80	\$	20.01	10.0
<i>R-HVACRoms</i>	Roms	1	-	-	\$	75.00	1.0
<i>R-LED</i>	Res Energy Star Omni-Directional LED Lamps (Standard Baseline)	231	8.47	33,165	\$	6,846.34	8.0
<i>R-LFSshwrhd</i>	Res Low-Flow Showerheads	94	14.58	42,864	\$	10,148.44	10.0
<i>R-HDWpipeIns</i>	Res DHW Pipe Insulation	1	0.00	33	\$	5.25	13.0
Home Lighting MTP (Residential Portion)	N/A	-	2,413.20	8,159,151	\$	328,504.84	N/A
	LED weighted EUL		2,123.12	7,178,365	\$	289,016.31	8.0
	LED weighted EUL		127.50	431,079	\$	17,356.16	16.0
	LED weighted EUL		162.58	549,707	\$	22,132.37	20.0
Hard-to-Reach SOP	N/A	831	687.83	1,591,333	\$	491,334.11	N/A
<i>R-AirInf</i>	Res Air Infiltration	158	158.34	308,565	\$	108,157.87	11.0
<i>R-CeilingIns</i>	Res Ceiling Insulation	380	484.64	1,057,866	\$	346,362.37	25.0
<i>R-DuctEff</i>	Res Duct Efficiency Improvement	87	28.37	83,318	\$	23,161.62	18.0
<i>R-FaucetAertr</i>	Res Faucet Aerators	3	0.03	80	\$	23.46	10.0
<i>R-LED</i>	Res Energy Star Omni-Directional LED Lamps (Low Income Baseline)	152	5.59	21,908	\$	5,306.92	10.0
<i>R-LFSshwrhd</i>	Res Low-Flow Showerheads	51	10.06	29,597	\$	8,221.87	10.0
Low Income Weatherization	N/A	315	294.88	885,886	\$	461,085.39	N/A
<i>IRLED</i>	Res Energy Star Omni-Directional LED Lamps (Low Income Baseline)	46	4.23	13,346	\$	7,380.62	10.0
<i>TLLED</i>	Res Energy Star Omni-Directional LED Lamps (Low Income Baseline)	43	2.66	8,403	\$	4,646.88	10.0
<i>ATT</i>	Res Ceiling Insulation	51	39.14	31,991	\$	17,691.90	25.0
<i>HP</i>	Res Central Heat Pumps	71	241.16	743,921	\$	411,411.67	15.0
<i>PDP</i>	Res DHW Pipe Insulation	3	0.02	144	\$	79.45	13.0
<i>SLR</i>	Res Faucet Aerators	50	7.66	8,083	\$	4,469.88	10.0
<i>STB</i>	Site Visit	51	-	-	\$	15,325.00	1.0
Refrigerator Recycling	N/A	96	13.73	188,288	\$	12,860.70	N/A
	Res Refrigerator Freezer Recycling	96	13.73	188,288	\$	12,860.70	8.0
Smart Thermostats	N/A	179	-	250,063	\$	8,750.00	N/A
	Res Connected Thermostats	179	-	250,063	\$	8,750.00	11.0
Portfolio Total		2,798	11,672.44	25,663,272	\$	3,526,163.56	N/A

\$	70,100	\$	172,057	\$	667,287	\$	769,244	\$	7,769	\$	11	\$	894,537	\$	2,855,282	\$	3,745,740	\$	2,980,495	4.87
\$	14,162	\$	34,760	\$	134,810	\$	155,408	\$	638.61	\$	0.907	\$	132,783	\$	364,589	\$	497,372	\$	341,964	3.20
\$	641	\$	1,573	\$	6,101	\$	7,033	\$	1045.94	\$	1.486	\$	10,261	\$	25,170	\$	35,431	\$	28,398	5.04
\$	42,877	\$	105,241	\$	408,156	\$	470,519	\$	1045.94	\$	1.486	\$	607,463	\$	2,033,362	\$	2,640,825	\$	2,170,306	5.61
\$	4,050	\$	9,940	\$	38,551	\$	44,442	\$	881.72	\$	1.253	\$	60,559	\$	107,979	\$	168,539	\$	124,097	3.79
\$	1,480	\$	3,634	\$	14,093	\$	16,246	\$	789.07	\$	1.121	\$	13,643	\$	62,608	\$	76,251	\$	60,005	4.69
\$	4,882	\$	11,983	\$	46,475	\$	53,576	\$	881.72	\$	1.253	\$	56,880	\$	201,503	\$	258,383	\$	204,807	4.82
\$	2	\$	6	\$	22	\$	26	\$	595.43	\$	0.846	\$	18	\$	68	\$	86	\$	60	3.33
\$	9	\$	22	\$	84	\$	97	\$	75.64	\$	0.107	\$	-	\$	-	\$	-	\$	(97)	0.00
\$	804	\$	1,973	\$	7,650	\$	8,819	\$	501.44	\$	0.712	\$	4,247	\$	23,627	\$	27,874	\$	19,056	3.16
\$	1,191	\$	2,924	\$	11,340	\$	13,072	\$	595.43	\$	0.846	\$	8,681	\$	36,261	\$	44,942	\$	31,869	3.44
\$	1	\$	2	\$	6	\$	7	\$	718.05	\$	1.020	\$	3	\$	34	\$	37	\$	30	5.43
\$	112,039	\$	179,351	\$	440,543	\$	507,855	\$	2,259	\$	3	\$	1,321,465	\$	6,347,829	\$	7,669,294	\$	7,161,439	15.18
\$	98,571	\$	157,791	\$	387,587	\$	446,808	\$	501.44	\$	0.712	\$	1,064,621	\$	5,114,047	\$	6,178,668	\$	5,731,861	13.83
\$	5,919	\$	9,476	\$	23,276	\$	26,832	\$	821.70	\$	1.167	\$	104,765	\$	503,253	\$	608,018	\$	581,186	22.66
\$	7,548	\$	12,083	\$	29,681	\$	34,216	\$	935.38	\$	1.329	\$	152,079	\$	730,529	\$	882,608	\$	848,392	25.80
\$	62,626	\$	147,253	\$	553,868	\$	638,487	\$	4,353	\$	6	\$	642,375	\$	1,999,981	\$	2,642,356	\$	2,083,869	4.14
\$	13,789	\$	32,421	\$	121,947	\$	140,579	\$	639	\$	0.907	\$	101,116	\$	279,964	\$	381,080	\$	240,501	2.71
\$	44,157	\$	103,826	\$	390,519	\$	450,188	\$	1,046	\$	1.486	\$	506,908	\$	1,572,006	\$	2,078,913	\$	1,628,725	4.62
\$	2,953	\$	6,943	\$	26,114	\$	30,105	\$	882	\$	1.253	\$	25,011	\$	104,373	\$	129,384	\$	99,279	4.30
\$	3	\$	7	\$	26	\$	30	\$	595	\$	0.846	\$	18	\$	68	\$	86	\$	55	2.82
\$	677	\$	1,591	\$	5,983	\$	6,898	\$	595	\$	0.846	\$	3,331	\$	18,533	\$	21,864	\$	14,966	3.17
\$	1,048	\$	2,465	\$	9,270	\$	10,686	\$	595	\$	0.846	\$	5,992	\$	25,037	\$	31,029	\$	20,343	2.90
\$	25,330	\$	99,639	\$	486,336	\$	566,645	\$	4,415	\$	6	\$	239,916	\$	986,905	\$	1,146,821	\$	586,176	2.05
\$	406	\$	1,595	\$	7,786	\$	8,976	\$	595	\$	0.846	\$	2,518	\$	11,290	\$	13,808	\$	4,832	1.54
\$	255	\$	1,004	\$	4,902	\$	5,651	\$	595	\$	0.846	\$	1,586	\$	7,108	\$	8,694	\$	3,043	1.54
\$	972	\$	3,824	\$	18,664	\$	21,516	\$	1,046	\$	1.486	\$	40,942	\$	47,539	\$	88,481	\$	66,965	4.11
\$	22,605	\$	88,920	\$	434,017	\$	500,332	\$	789	\$	1.121	\$	190,291	\$	833,984	\$	1,024,275	\$	523,944	2.05
\$	4	\$	17	\$	84	\$	97	\$	718	\$	1.020	\$	17	\$	147	\$	163	\$	66	1.69
\$	246	\$	966	\$	4,715	\$	5,436	\$	595	\$	0.846	\$	4,562	\$	6,837	\$	11,399	\$	5,963	2.10
\$	842	\$	3,312	\$	16,167	\$	18,637	\$	76	\$	0.107	\$	-	\$	-	\$	-	\$	(18,637)	0.00
\$	9,925	\$	13,406	\$	22,785	\$	26,267	\$	501	\$	1	\$	6,884	\$	77,147	\$	84,031	\$	57,764	3.20
\$	9,925	\$	13,406	\$	22,785	\$	26,267	\$	501	\$	0.712	\$	6,884	\$	77,147	\$	84,031	\$	57,764	3.20
\$	2,931	\$	4,715	\$	11,681	\$	13,465	\$	639	\$	1	\$	-	\$	226,884	\$	226,884	\$	213,419	16.85
\$	2,931	\$	4,715	\$	11,681	\$	13,465	\$	639	\$	0.907	\$	-	\$	226,884	\$	226,884	\$	213,419	16.85
\$	446,737	\$	1,053,770	\$	3,972,980	\$	4,579,933	\$		\$		\$	5,200,728	\$	25,423,397	\$	30,624,124	\$	26,844,191	6.69

These columns will auto-populate				Column will auto-populate after entering values in cells F3:H18 and C22-25	Program Specific Admin: Enter Manually			Allocated based on Total Incentives or Program Costs: Enter Values in cells C22 - 25 and results will auto-populate							
Program	Incentives	Incentive as % of Total Incentives (R&D/Other Admin Allocator)	Program Costs as % of Total Spending (Bonus Allocator)	Program Specific Admin (Do not include the costs paid by a utility for an EECRF proceeding here; these values are exempt from the CE test)	Program Specific R&D	Program Specific EM&V Admin (Tetra Tech Allocation not actual expenditures)	R&D/Other Admin Portion	EM&V Costs	Bonus Portion	Costs Paid by a Utility for an EECRF Proceeding (to be included in Total Admin for Bonus Calculation)	Total Admin for Bonus Calculation (Excluding Bonus)	Total Admin for Cost- effectiveness Calculation (Including Bonus)			
1 Commercial SOP	\$ 217,622	6%	7%	\$ 34,896		\$ 6,734.32	\$ 11,321.67	\$ -	\$ 41,341.91	\$ -	\$ 52,952.04	\$ 94,293.95			
2 Retro-Commissioning MTP	\$ 947,396	27%	25%			\$ 6,109.26	\$ 49,287.83	\$ -	\$ 153,220.22	\$ -	\$ 55,397.09	\$ 208,617.30			
3 Load Management SOP	\$ 246,100	7%	7%	\$ 21,342		\$ 2,192.85	\$ 12,803.23	\$ -	\$ 43,154.68	\$ -	\$ 36,338.11	\$ 79,492.79			
4 Small Commercial MTP	\$ 198,213	6%	5%			\$ 1,537.02	\$ 10,311.94	\$ -	\$ 32,096.09	\$ -	\$ 11,848.95	\$ 43,945.05			
5 Home Lighting MTP (Commercial Portion)	\$ 17,290	0%	1%	\$ 4,811		\$ 1,540.25	\$ 899.49	\$ -	\$ 3,749.60	\$ -	\$ 7,250.59	\$ 11,000.19			
6 Residential SOP	\$ 597,188	17%	17%	\$ 34,987		\$ 4,044.15	\$ 31,068.39	\$ -	\$ 101,957.10	\$ -	\$ 70,099.70	\$ 172,056.80			
7 Home Lighting MTP (Residential Portion)	\$ 328,505	9%	11%	\$ 91,406		\$ 3,542.19	\$ 17,090.30	\$ -	\$ 67,312.12	\$ -	\$ 112,038.51	\$ 179,350.63			
8 Hard-to-Reach SOP	\$ 491,234	14%	14%	\$ 34,966		\$ 2,103.91	\$ 25,556.21	\$ -	\$ 84,626.22	\$ -	\$ 62,626.31	\$ 147,252.53			
9 Low-Income Weatherization	\$ 461,005	13%	12%			\$ 1,346.70	\$ 23,983.58	\$ -	\$ 74,308.89	\$ -	\$ 25,330.28	\$ 99,639.17			
10 Refrigerator Recycling	\$ 12,861	0%	1%	\$ 7,432		\$ 1,823.70	\$ 669.07	\$ -	\$ 3,481.43	\$ -	\$ 9,924.51	\$ 13,405.94			
11 Smart Thermostats	\$ 8,750	0%	0%	\$ -		\$ 2,475.48	\$ 455.21	\$ -	\$ 1,784.73	\$ -	\$ 2,930.70	\$ 4,715.43			
12 Program 12	\$ -	0%	0%				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
13 Program 13	\$ -	0%	0%				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
14 Program 14	\$ -	0%	0%				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
15 Program 15	\$ -	0%	0%				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
16 Program 16	\$ -	0%	0%				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Portfolio Total	\$ 3,526,164	100%	100%	\$ 229,840	\$ -	\$ 33,449.84	\$ 183,446.93	\$ -	\$ 607,033.00	\$ -	\$ 446,737	\$ 1,053,770			
Total Program Cost Check											\$ 3,972,900	\$ 4,579,933			
Other Costs to Be Allocated Among All Programs Enter Blue Cells Manually; Green Will Autocalculate if Step 1 completed:				PUC Rule: How to allocate non-program specific expenses								should match Step 2 cell M922		should match Step 2 cell N922	
R&D and Non-program specific Admin to be Allocated (Rate Case Expenses Details: Include any costs incurred by the utility for an EECRF filing here unless they have already been included in the program specific admin in column F. Do not include the costs paid by a utility for an EECRF proceeding here; these values are exempt from the CE test. Enter those costs separately in cell C25 below.)	\$ 183,446.93	(i) Any portion of these costs which are not directly assignable to a specific program shall be allocated among the programs in proportion to the program incentive costs. Any bonus awarded by the commission shall not be included in program costs for the purpose of applying these limits.													
Third party EM&V Costs (Ex: Frontier EM&V; counted as admin)	\$ -	(i) Any portion of these costs which are not directly assignable to a specific program shall be allocated among the programs in proportion to the program incentive costs. Any bonus awarded by the commission shall not be included in program costs for the purpose of applying these limits.													
Bonus for Cost-effectiveness (bonus collected during the PY)	\$ 607,033.00	(h)(6): The bonus shall be allocated in proportion to the program costs associated with meeting the demand and energy goals and allocated to eligible customers on a rate class basis.													
Costs Paid by a Utility for an EECRF Proceeding (To be included as admin in the "total program cost" input for the bonus calculation in Step 4)	\$ -	These are costs to be included as admin in the "total program costs" for the bonus calculation (per the preamble pg 150). Please note these values are excluded from the cost-effectiveness test (per the preamble and email from Katie Rich). This is why they are not included in either the program-specific admin values or the non-program specific admin in other cells on this tab.													

Program Year 2020			
Energy Efficiency Performance Bonus Calculator			
	kW	kWh	<p>Directions:</p> <p>Fill in blue cell and performance bonus will calculate.</p> <p>All green cells will auto-populate</p> <p><i>All inputs must be accounted for the in the "Fixed Inputs," "Admin Allocation," and "Results Calculator" tabs in order to correctly calculate bonus.</i></p> <p><i>Please review built in checks on sums to make sure calculation is correct.</i></p>
Demand and Energy Goals	5,994	10,502,289	
Actual Demand and Energy Savings	11,672	25,663,272	
<i>Reported/Verified Hard-to-Reach</i>	982		
Program Costs (<i>excluding</i> bonus)	\$3,972,900		
Performance Bonus	\$2,604,419		

16%	Hard-to-Reach Goal Met?
	Bonus Calculation Details
195%	Percentage of Demand Reduction Goal Met (Reported kW/Goal kW)
244%	Percentage of Energy Reduction Goal Met (Reported kWh/Goal kWh)
TRUE	Met Requirements for Performance Bonus?
\$30,624,124	Total Avoided Costs
\$607,033	Docket No. 48297 requirement (add previous bonus to current year bonus calculation)
\$4,579,933	Total Program Costs (<i>including</i> bonus)
\$26,044,191	Net Benefits
\$12,336,536	Calculated Bonus (((Achieved Demand Reduction/Demand Goal - 100%) / 2) * Net Benefits)
\$2,604,419	Maximum Bonus Allowed (10% of Net Benefits)

Estimated Useful Life Values (EULs)				
Sector	TRM Measure	Energy Efficiency Measure	EUL (years)	TRM Version
Residential	2.5.8	Res Air Purifiers	9.0	7.0
Commercial	2.1.1	Com Lamps and Fixtures: Integral LED Lamps	9.0	7.0
Commercial	2.2.8	Com High-Volume Low-Speed Fans	9.0	7.0

SERVICE AGREEMENT

This Service Agreement is made and entered into this 9 day of September, 2016, by and between Southwestern Public Service Company ("Client Company") and Xcel Energy Services Inc. ("Service Company").

WITNESSETH

WHEREAS, Service Company is a subsidiary of Xcel Energy Inc. ("Xcel Energy"), a public utility holding company under the Public Utility Holding Company Act of 2005 ("PUCHA 2005") that has been formed to provide support services for Xcel Energy and its subsidiaries in a manner consistent with applicable regulatory requirements; and

WHEREAS, Client Company is a utility operating company subsidiary of Xcel Energy and an affiliate of Service Company; and

WHEREAS, Service Company and Client Company have entered into this Service Agreement whereby Service Company agrees to provide and Client Company agrees to accept and pay for various services as provided on a cost basis, the Service Company will fairly and equitably allocate costs among all associate companies to which it renders services, including the Client Company.

NOW THEREFORE, in consideration of the premises and the mutual agreements herein contained, the parties to this Service Agreement covenant and agree as follows:

ARTICLE I - SERVICES

Section 1.1 Service Company shall furnish to Client Company, as requested by Client Company, upon the terms and conditions hereinafter set forth, such of the services described in Appendix A hereto, at such times, for such periods and in such manner as Client Company may from time to time request and that Service Company concludes it is able to perform. Service Company shall also provide Client Company with such special services, in addition to those services described in Appendix A hereto, as may be requested by Client Company and that Service Company concludes it is able to perform. In supplying such services, Service Company may arrange, where it deems appropriate, for the services of such experts, consultants, advisers, and other persons with necessary qualifications as are required for or pertinent to the provision of such services.

Section 1.2 Client Company shall take from Service Company such services described in Section 1.1, and such additional general or special services, whether or not now contemplated, as are requested from time to time by Client Company and that Service Company concludes it is able to perform.

Section 1.3 The services described herein or contemplated to be performed hereunder shall be directly assigned or allocated by activity, project, program, work order or other

appropriate basis. Client Company shall have the right from time to time to amend, alter or rescind any activity, project, program or work order provided that (i) any such amendment or alteration that results in a material change in the scope of the services to be performed or equipment to be provided is agreed to by Service Company, (ii) the cost for the services covered by the activity, project, program or work order shall include any expense incurred by Service Company as a direct result of such amendment, alteration or rescission of the activity, project, program or work order, and (iii) no amendment, alteration or rescission of an activity, project, program or work order shall release Client Company from liability for all costs already incurred by or contracted for by Service Company pursuant to the activity, project, program or work order, regardless of whether the services associated with such costs have been completed.

Section 1.4 Service Company shall use its best efforts to maintain a staff trained and experienced in the design, construction, operation, maintenance, management, and general administration of public utility properties.

ARTICLE II - COMPENSATION

Section 2.1 As compensation for the services to be rendered hereunder, Client Company shall pay to Service Company all costs which reasonably can be identified and related to particular services performed by Service Company for or on its behalf. The methods for assigning or allocating Service Company costs to Client Company, as well as to other associate companies, are set forth in Appendix A.

Section 2.2 Service Company shall periodically review the methods of assignment or allocation of costs described in Appendix A. Such methods of assignment or allocation of costs may be modified or changed by Service Company subject to providing Client Company three months advance notice, and subject to any required state regulatory commission and Federal Energy Regulatory Commission ("FERC") approval. SPS shall comply with Texas Public Utility Regulatory Act and Public Utility Commission of Texas requirements, if any, regarding notice or approval, or both, of proposed modification to the methods of assignment or allocation of costs. SPS shall comply with New Mexico Public Utility Act and New Mexico Public Regulation Commission requirements, if any, regarding notice or approval, or both, of proposed modification to the methods of assignment or allocation of costs.

Section 2.3 No change in the organization of Service Company, the type and character of the companies to be serviced, the methods of assigning or allocating costs to associate companies, or in the scope or character of the services to be rendered shall be made unless such change is consistent with any applicable regulatory requirements.

Section 2.4 Service Company charges are billed electronically monthly to Client Company. The electronic details reflect the billing information necessary to identify the costs charged for that month. By the twenty-third (23rd) day of the following month, the Client Company shall remit to Service Company payment for all charges billed to it in the previous month.

Section 2.5 In the event of a dispute between the Operating Company and Service Company regarding a billing methodology and/or amount, representatives from the parties involved along with Service Company Accounting will meet to discuss the issues. If a resolution cannot be reached, the issue will be referred to each party's executive management for final resolution.

Section 2.6 It is the intent of this Service Agreement that the payment for services rendered by Service Company to Client Company under this Service Agreement shall cover all the costs of its doing business (less the costs of services provided to associated companies not a party to this Service Agreement and to other non-associated companies, and credits for any miscellaneous items), including, but not limited to, salaries and wages, office supplies and expenses, outside services employed, contract labor, property insurance, injuries and damages, employee pensions and benefits, miscellaneous general expenses, rents, maintenance of structures and equipment, depreciation and amortization, and compensation for use of capital.

ARTICLE III - TERM

Section 3.1 This Service Agreement shall become effective upon its execution, or, if required, upon receipt of applicable regulatory approval, and shall continue in full force and effect until terminated by Service Company or Client Company, upon not less than one year's prior written notice to the other party. This Service Agreement shall also be subject to termination or modification at any time, without notice, if and to the extent performance under this Service Agreement may conflict with any regulatory requirement of the FERC or state commission applicable to either Service Company or Client Company adopted before or after the effective date of this Service Agreement.

ARTICLE IV - LIMITATION OF LIABILITY AND INDEMNIFICATION

Section 4.1 In performing the services hereunder, Service Company will exercise due care to assure that the services are performed in an appropriate manner, meet the standards and specifications set forth in any applicable request for service and comply with the applicable standards of law and regulation. However, failure to meet these obligations shall in no event subject Service Company to any claims by or liabilities to Client Company other than to reperform the services and be reimbursed at cost for such reperformance. Service Company makes no other warranty with respect to its performance of the services, and Client Company agrees to accept such services without further warranty of any nature.

Section 4.2 To the fullest extent allowed by law, Client Company shall and does hereby indemnify and agree to save harmless and defend Service Company, its agents and employees from liabilities, taxes, losses, obligations, claims, damages, penalties, causes of action, suits, costs and expenses or judgments of any nature, on account of, or resulting from the performance and prosecution of any services performed on behalf of Client Company pursuant to this Agreement, whether or not the same results or allegedly results from the claimed or actual negligence or breach of warranty of, or willful conduct by, Service Company or any of its employees, agents, clients, or contractors or its or their subcontractors or any combination thereof.

ARTICLE V - MISCELLANEOUS

Section 5.1 All accounts and records of Service Company shall be kept in accordance with either the General Rules and Regulations promulgated by the FERC pursuant to the PUHCA 2005, in particular, the Uniform System of Accounts for Subsidiary Service Companies or the Uniform System of Accounts Prescribed for Public Utilities and Licensees subject to the Provisions of the Federal Power Act promulgated by the FERC, as each is in effect from and after the date hereof.

Section 5.2 New direct or indirect subsidiaries of Xcel Energy, which may come into existence after the effective date of this Service Agreement, may become additional client companies of Service Company and subject to a service agreement with Service Company, or an existing client company may wish to obtain additional services from Service Company. Likewise, an existing direct or indirect subsidiary of Xcel Energy may cease to be a client company or cease to take individual services from Service Company. In either event, the parties hereto shall make such changes in the scope and character of the services to be rendered and the method of assigning or allocating costs of such services as specified in Appendix A, subject to the requirements of Section 2.3, as may become necessary to achieve a fair and equitable assignment or allocation of Service Company costs among all associate companies.

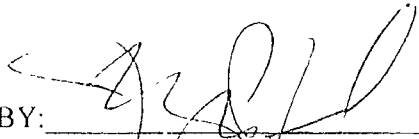
Section 5.3 In the event a Client Company changes the scope of services that it takes from Service Company (pursuant to Section 1.3) or terminates this Service Agreement (pursuant to Section 2.1), the Service Company may bill such Client Company a charge that reflects a proportionate share of any significant residual fixed costs (i.e., incurred costs or commitments to incur costs) that were incurred or committed to incur in contemplation of providing such Client Company service prior to the notice of termination. Examples of fixed costs include, but are not limited to, costs to upgrade computer hardware and software systems to meet Client Company's specifications.

Section 5.4 Service Company shall permit Client Company access to its accounts and records, including the basis and computation of allocations.

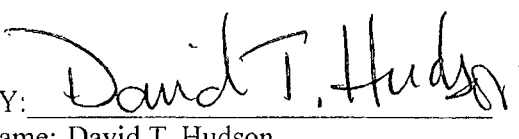
Section 5.5 This Service Agreement supercedes the Service Agreement dated May 28th, 2015.

IN WITNESS WHEREOF, the parties hereto have caused this Service Agreement to be executed as of the date and year first above written.

XCEL ENERGY SERVICES INC.

BY: 
Name: Judy M. Pofert
Title: Sr. Vice President and Secretary
Xcel Energy Services Inc.

SOUTHWESTERN PUBLIC SERVICE COMPANY

BY: 
Name: David T. Hudson
Title: President

Appendix A

DESCRIPTION OF SERVICES TO BE PROVIDED BY XCEL ENERGY SERVICES INC. AND DETERMINATION OF CHARGES FOR SUCH SERVICES TO THE OPERATING COMPANIES AND OTHER AFFILIATES

Description of Services Provided

A description of the services provided by Xcel Energy Services is detailed below. Identifiable costs will be directly assigned to the Operating Companies and other affiliates. For costs that are for services of a general nature and cannot be directly assigned, the method of allocation is described below for each service provided.

*a) Executive Management Services**

Description - Represents charges for Xcel Energy Inc. executive management and services, including, but not limited to, officers of Xcel Energy Inc.

Method of Allocation - Executive Management indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*b) Investor Relations**

Description - Provides communications to investors and the financial community. Coordinates the transfer agent and shareholder record keeping functions and plans the annual shareholder meeting.

Method of Allocation - Investor Relations indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*c) Internal Audit**

Description - Reviews internal controls and procedures to ensure assets are safeguarded and transactions are properly authorized and recorded. Evaluates contract risks.

Method of Allocation - Internal Audit indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*d) Legal**

Description - Provides legal services related to labor and employment law, litigation, contracts, rates and regulation, environmental matters, real estate and other legal matters.

Method of Allocation - Legal indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*e) Claims Services**

Description - Provides claims services related to casualty, public and company claims.

Method of Allocation - Claims Services costs will be direct charged. Any costs that cannot be direct charged will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio, and the Total Asset Ratio.

*f) Corporate Communications**

Description - Provides corporate communications, speech writing and coordinates media services. Provides advertising and branding development for the companies within the Xcel Energy Inc. system. Manages and tracks all contributions made on behalf of the Xcel Energy Inc. system.

Method of Allocation - Corporate Communications indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*g) Employee Communications**

Description - Develops and distributes communications to employees.

Method of Allocation - Employee Communications indirect costs will be allocated based on the Employee Ratio.

*h) Corporate Strategy & Business Development**

Description - Facilitates development of corporate strategy and prepares strategic plans, monitors corporate performance and evaluates business opportunities. Develops and facilitates process improvements.

Method of Allocation - Corporate Strategy & Business Development indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*i) Government Affairs **

Description - Monitors, reviews and researches government legislation.

Method of Allocation - Government Affairs indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*j) Facilities & Real Estate**

Description - Operates and maintains office buildings and service centers. Procures real estate and administers real estate leases. Administers contracts to provide security, housekeeping and maintenance services for such facilities. Procures office furniture and equipment.

Method of Allocation - Facilities & Real Estate indirect costs will be allocated to the Operating Companies and Affiliate Companies based on the Employee Ratio.

*k) Facilities Administrative Services**

Description - Includes but is not limited to the functions of Mail Delivery, Duplicating and Records Management.

Method of Allocation - Facilities Administrative Services indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio

*l) Supply Chain**

Description - Includes contract negotiations, development and management of supplier relationships and acquisition of goods and services. Also includes inventory planning and forecasting, ordering, accounting and database management. Warehousing services includes receiving, storing, issuing, shipping, returns, and distribution of material and parts.

Method of Allocation - Supply Chain will be direct charged. Any management and oversight of the payment and reporting services that cannot be direct charged will be allocated using the Invoice Transaction Ratio

*m) Supply Chain Special Programs**

Description - Develops and implements special programs utilized across the company such as procurement cards, travel services, and compliance with corporate MWBE (minority women business expenditures) program goals.

Method of Allocation - Supply Chain Special Programs indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio.

*n) Human Resources**

Description - Establishes and administers policies related to employment, compensation and benefits. Maintains Human Resources computer system, the tuition reimbursement plan, and diversity program. Coordinates the bargaining strategy and labor agreements with union employees. Provides technical and professional development training and general Human Resources support services.

Method of Allocation - Human Resources indirect costs will be allocated based on the Employee Ratio.

*o) Finance & Treasury**

Description - Coordinates activities related to securities issuance, including maintaining relationships with financial institutions, cash management, investing activities and monitoring the capital markets. Performs financial and economic analysis.

Method of Allocation - Finance & Treasury indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio, except for:

(1) indirect costs associated with proprietary trading activities, which will be allocated based on the Joint Operating Agreement Peak Hour Megawatt Load Ratio, provided, however, that indirect costs provided jointly for both generation trading activities and proprietary trading activities will be allocated based on the Joint Operating Agreement Labor Hours Ratio.

*p) Accounting, Financial Reporting & Taxes**

Description - Maintains the books and records. Prepares financial and statistical reports, tax filings and ensures compliance with the applicable laws and regulations. Maintains the accounting systems. Coordinates the budgeting process.

Methods of Allocation - Accounting, Financial Reporting & Taxes indirect costs will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio and the Total Assets Ratio, except for:

(1) indirect costs incurred for services associated with proprietary trading activities, which will be allocated based on the Joint Operating Agreement Peak

Hour Megawatt Load Ratio, provided, however, that indirect costs provided jointly for both generation trading activities and proprietary trading activities will be allocated based on the Joint Operating Agreement Labor Hours Ratio.

*q) Payment & Reporting**

Description - Processes payments to vendors and prepares statistical reports.

Method of Allocation - Payment & Reporting indirect costs will be allocated to the Operating Companies and affiliates based on the Invoice Transaction Ratio.

*r) Receipts Processing**

Description - Processes payments received from customers of the Operating Companies and affiliates.

Method of Allocation - Receipts Processing indirect costs will be allocated based on the Customer Bills Ratio.

*s) Payroll**

Description - Processes payroll including but not limited to time reporting, calculation of salaries and wages, payroll tax reporting and compliance reports.

Method of Allocation - Payroll indirect costs will be allocated based on the Employee Ratio.

*t) Rates & Regulation**

Description - Determines the Operating Companies' regulatory strategy, revenue requirements and rates for electric and gas customers. Coordinates the regulatory compliance requirements and maintains relationships with the regulatory bodies.

Method of Allocation - Rates & Regulation indirect costs will be allocated to the Operating Companies based on the Direct Labor Ratio.

*u) Energy Supply Engineering and Environmental**

Description - Provides engineering services to the generation business. Establishes policies and procedures for compliance with environmental laws and regulations. Researches emerging environmental issues and monitors compliance with environmental requirements. Oversees environmental cleanup projects.

Methods of Allocation - Energy Supply Engineering and Environmental services will be direct charged, and administrative support functions that cannot be direct charged will be allocated using a Total Plant Ratio.

v) *Energy Supply Business Resources**

Description - Provides performance, specialists and analytical services to the Operating Companies' generation facilities.

Method of Allocation - Energy Supply Business Resources indirect costs will be allocated using the MWh Generation Ratio.

w) *Energy Markets Regulated Trading & Marketing**

Description - Provides electric trading services to the Operating Companies' electric generation systems including load management, system optimization and resource acquisition.

Methods of Allocation - Energy Markets Regulated Trading & Marketing indirect costs will be allocated to the Operating Companies based on the Total MWh Sales Ratio, except for:

(1) indirect costs incurred for services associated with proprietary trading activities, which will be allocated based on the Joint Operating Agreement Peak Hour Megawatt Load Ratio, provided, however, that indirect costs provided jointly for both generation trading activities and proprietary trading activities will be allocated based on the Joint Operating Agreement Labor Hours Ratio.

x) *Energy Markets - Fuel Procurement**

Description - Purchases fuel for Operating Companies electric generation systems (excluding nuclear).

Method of Allocation - Energy Markets Fuel Procurement indirect costs will be allocated based on the MWh Generation Ratio.

y) *Energy Delivery Marketing**

Description - Develops new business opportunities and markets the products and services for the Delivery Business Unit.

Method of Allocation - Energy Delivery Marketing will be direct charged.

z) *Energy Delivery Construction, Operations & Maintenance (COM)**

Description - Constructs, maintains and operates electric and gas delivery systems.

Method of Allocation - Energy Delivery COM indirect costs will be allocated based on the Delivery Services Gross Plant Ratio.

*aa) Energy Delivery Engineering/Design**

Description - Provides engineering and design services in support of capacity planning, construction, operations and material standards.

Methods of Allocation - Energy Delivery Engineering/Design services will be direct charged; administrative support functions that cannot be direct charged will be allocated using a Delivery Services Gross Plant ratio based on the services being provided.

*bb) Marketing & Sales**

Description - Provides marketing and sales services for the Operating Companies and affiliates for their electric and natural gas customers including strategic planning, segment identification, business analysis, sales planning and customer service.

Method of Allocation - Marketing & Sales indirect costs will be allocated based on the Revenue Ratio.

*cc) Customer Service**

Description - Provides service activities to retail and wholesale customers. These services include meter reading, customer billing, call center and credit and collections.

Method of Allocation - Customer Service indirect costs will be allocated based on the Customers Ratio. Indirect costs associated with administering the low income and certified medical customer assistance programs will be allocated on the composite of the average of the Special Needs Customer Contacts Ratio and Residential Customers Ratio.

*dd) Business Systems**

Description - Provides basic information technology services such as: application management, voice and data network operations and management, customer support services, problem management services, security administration and systems management. In addition, Business Systems acts as a single point of contact for delivery of all information technology services to Xcel Energy Inc. They partner with vendors to ensure the delivery of benchmarking, continuous improvement, and leadership around strategic initiatives and key developments in the marketplace.

Methods of Allocation - Business Systems indirect costs will be allocated using any of the allocation ratios or combination of ratios.

*ee) Aviation Services**

Description - Provides aviation and travel services to employees.

Method of Allocation - Aviation Services will be allocated based on a three-factor formula that is comprised of the average of the Revenue Ratio, the Employee Ratio, and the Total Assets Ratio.

*ff) Fleet**

Description - Oversees the Operating Companies' Fleet Services Group.

Method of Allocation - Fleet will be direct charged.

*Corporate Governance activities within this Service Function will be allocated using the average of the Revenue Ratio with intercompany dividends assigned to Xcel Energy Inc., Employee Ratio with number of common officers assigned to Xcel Energy Inc., and the Total Assets Ratio including Xcel Energy Inc.'s per book assets.

Allocation Ratios

The following ratios will be utilized as outlined above.

Revenue Ratio - Based on the sum of the monthly revenue amounts for the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Revenue Ratio with intercompany dividends assigned to Xcel Energy Inc.

- Based on the sum of the monthly revenue amounts for the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. Xcel Energy Inc. will be assigned the amount of intercompany dividends. This ratio will be determined annually, or at such time as may be required due to significant changes.

Employee Ratio - Based on the number of employees at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such time as may be required due to significant changes

Employee Ratio with number of common officers assigned to Xcel Energy Inc. -

Based on the number of employees at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. Xcel Energy Inc. will be assigned the number of common officers. This ratio will be determined annually, or at such time as may be required due to significant changes.

Total Assets Ratio - Based on the total assets as of December 31 for the prior year, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Total Assets Ratio including Xcel Energy Inc's Per Book Assets - Based on the total assets as of December 31 for the prior year, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. Xcel Energy Inc. will be assigned the per book assets of Xcel Energy Inc. This ratio will be determined annually, or at such time as may be required due to significant changes.

Square Footage Ratio - Based on the total square footage as of December 31 for the prior year, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Invoice Transaction Ratio - Based on the sum of the monthly number of invoice transactions processed for the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually or at such time as may be required due to significant changes.

Customer Bills Ratio - Based on the average of the monthly total number of customer bills issued during the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

MWh Generation Ratio - Based on the sum of the monthly electric MWh generated by type of generator during the prior year ending December 31, the numerator of which is for an applicable Operating Company and the denominator of which is for all applicable Operating Companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Total MWh Sales Ratio - Based on the sum of the monthly electric MWh hours sold during the prior year ending December 31, the numerator of which is for an applicable Operating Company and the denominator of which is for all applicable Operating Companies. This includes sales to ultimate customers, wholesale customers, and non-requirement sales for resale. This ratio will be determined annually, or at such time as may be required due to significant changes.

Customers Ratio - Based on the average of the monthly total electric customers (and/or gas customers, or residential, business and large commercial and industrial customers where applicable) for the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Delivery Services Gross Plant Ratio - Based on transmission and distribution gross plant for the Delivery Business unit, both electric and gas or as may be applicable Electric Distribution for the prior year ending December 31, the numerator of which is an applicable Operating Company and the denominator of which is for all applicable Operating Companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Provided, however, as follows:

- (1) If the costs being allocated are directly related only to electric transmission, the ratio shall be based on the electric transmission gross plant;
- (2) If the costs being allocated are directly related only to electric distribution, the ratio shall be based on the electric distribution gross plant;
- (3) If the costs being allocated are directly related only to gas transmission, the ratio shall be based on the gas transmission gross plant;
- (4) If the costs being allocated are directly related only to gas distribution, the ratio shall be based on the gas distribution gross plant;
- (5) If the costs being allocated are directly related only to electric transmission and electric distribution, the ratio shall be based on the sum of the electric transmission gross plant and the electric distribution gross plant;
- (6) If the costs being allocated are directly related only to electric transmission and gas transmission, the ratio shall be based on the sum of the electric transmission gross plant and the gas transmission gross plant;
- (7) If the costs being allocated are directly related only to electric transmission and gas distribution, the ratio shall be based on the sum of the electric transmission gross plant and the gas distribution gross plant;
- (8) If the costs being allocated are directly related only to electric distribution and gas transmission, the ratio shall be based on the sum of the electric distribution gross plant and the gas transmission gross plant;
- (9) If the costs being allocated are directly related only to electric distribution and gas distribution, the ratio shall be based on the sum of the electric distribution gross plant and the gas distribution gross plant;
- (10) If the costs being allocated are directly related only to gas transmission and gas distribution, the ratio shall be based on the sum of the gas transmission gross plant and the gas distribution gross plant;
- (11) If the costs being allocated are directly related only to electric transmission, electric distribution, and gas transmission, the ratio shall be based on the sum of the electric transmission gross plant, the electric distribution gross plant, and the gas transmission gross plant;
- (12) If the costs being allocated are directly related only to electric transmission, electric distribution, and gas distribution, the ratio shall be based on the sum of the electric transmission gross plant, the electric distribution gross plant, and the gas distribution gross plant;
- (13) If the costs being allocated are directly related only to electric transmission, gas transmission, and gas distribution, the ratio shall be based on the sum of the electric transmission gross plant, the gas transmission gross plant, and the gas distribution gross plant;

(14) If the costs being allocated are directly related only to electric distribution, gas transmission, and gas distribution, the ratio shall be based on the sum of the electric distribution plant, the gas transmission gross plant, and the gas distribution gross plant.

Meters Ratio - Based on the number of meters at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Customer Contacts Ratio - Based on the total annual number of customer contacts at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

If the costs being allocated are directly related only to the support of special needs customers, such as those receiving low income energy assistance program and those having certified medical conditions, the Special Needs Customer Contacts Ratio shall be used.

Special Needs Customer Contacts Ratio - Based on the number of contacts received by the special needs customer department at the end of the prior year ending December 31. The numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. The ratio will be determined annually, or at such a time as may be required due to significant changes.

Accounts Payable Transactions Ratio - Based on the total annual number of accounts payable transactions by system application at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Inventory Transactions Ratio - Based on the total annual number of inventory transactions by system application at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Work Management Transactions Ratio - Based on the total annual number of work management transactions by system application at the end of the prior year

ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Purchasing Transactions Ratio - Based on the total annual number of purchasing transactions by system application at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Total Plant Ratio - Based on total property, plant and equipment at the end of the prior year ending December 31, the numerator of which is an applicable Operating Company and the denominator of which is for all applicable Operating Companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Provided, however, as follows:

- (1) If the costs being allocated are directly related only to electric production, the ratio shall be based on the total electric production plant;
- (2) If the costs being allocated are directly related only to electric transmission, the ratio shall be based on the total electric transmission plant;
- (3) If the costs being allocated are directly related only to electric distribution, the ratio shall be based on the total electric distribution plant;
- (4) If the costs being allocated are directly related only to gas transmission, the ratio shall be based on the total gas transmission plant;
- (5) If the costs being allocated are directly related only to gas distribution, the ratio shall be based on the total gas distribution plant;
- (6) If the costs being allocated are directly related only to intangible plant, the ratio shall be based on the total intangible plant;
- (7) If the costs being allocated are directly related only to electric production and electric transmission, the ratio shall be based on the sum of the total electric production plant and the total electric transmission plant;
- (8) If the costs being allocated are directly related only to electric production and electric distribution, the ratio shall be based on the sum of the total electric production plant and the total electric distribution plant;
- (9) If the costs being allocated are directly related only to electric production and gas transmission, the ratio shall be based on the sum of the total electric production plant and the total gas transmission plant;
- (10) If the costs being allocated are directly related only to electric production and gas distribution, the ratio shall be based on the sum of the total electric production plant and the total gas distribution plant;
- (11) If the costs being allocated are directly related only to electric production and intangible plant, the ratio shall be based on the sum of the total electric production plant and the total intangible plant;

- (12) If the costs being allocated are directly related only to electric transmission and electric distribution, the ratio shall be based on the sum of the total electric transmission plant and the total electric distribution plant;
- (13) If the costs being allocated are directly related only to electric transmission and gas transmission, the ratio shall be based on the sum of the total electric transmission plant and the total gas transmission plant;
- (14) If the costs being allocated are directly related only to electric transmission and gas distribution, the ratio shall be based on the sum of the total electric transmission plant and the total gas distribution plant;
- (15) If the costs being allocated are directly related only to electric transmission and intangible plant, the ratio shall be based on the sum of the total electric transmission plant and the total intangible plant;
- (16) If the costs being allocated are directly related only to electric distribution and gas transmission, the ratio shall be based on the sum of the total electric distribution plant and the total gas transmission plant;
- (17) If the costs being allocated are directly related only to electric distribution and gas distribution, the ratio shall be based on the sum of the total electric distribution plant and the total gas distribution plant;
- (18) If the costs being allocated are directly related only to electric distribution and intangible plant, the ratio shall be based on the sum of the total electric distribution plant and the total intangible plant;
- (19) If the costs being allocated are directly related only to gas transmission and gas distribution, the ratio shall be based on the sum of the total gas transmission plant and the total gas distribution plant;
- (20) If the costs being allocated are directly related only to gas transmission and intangible plant, the ratio shall be based on the sum of the total gas transmission plant and the total intangible plant;
- (21) If the costs being allocated are directly related only to gas distribution and intangible plant, the ratio shall be based on the sum of the total gas distribution plant and the total intangible plant;
- (22) If the costs being allocated are directly related only to electric production, electric transmission, and electric distribution, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, and the total electric distribution plant;
- (23) If the costs being allocated are directly related only to electric production, electric transmission, and gas transmission, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, and the total gas transmission plant;
- (24) If the costs being allocated are directly related only to electric production, electric transmission, and gas distribution, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, and the total gas distribution plant;
- (25) If the costs being allocated are directly related only to electric production, electric transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, and the total intangible plant;

(26) If the costs being allocated are directly related only to electric production, electric distribution, and gas transmission, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, and the total gas transmission plant;

(27) If the costs being allocated are directly related only to electric production, electric distribution, and gas distribution, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, and the total gas distribution plant;

(28) If the costs being allocated are directly related only to electric production, electric distribution, and intangible, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, and the total intangible plant;

(29) If the costs being allocated are directly related only to electric production, gas transmission, and gas distribution, the ratio shall be based on the sum of the total electric production plant, the total gas transmission plant, and the total gas distribution plant;

(30) If the costs being allocated are directly related only to electric production, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total gas transmission plant, and the total intangible plant;

(31) If the costs being allocated are directly related only to electric production, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total gas distribution plant, and the total intangible plant;

(32) If the costs being allocated are directly related only to electric transmission, electric distribution, and gas transmission, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, and the total gas transmission plant;

(33) If the costs being allocated are directly related only to electric transmission, electric distribution, and gas distribution, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, and the total gas distribution plant;

(34) If the costs being allocated are directly related only to electric transmission, electric distribution, and intangible plant, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, and the total intangible plant;

(35) If the costs being allocated are directly related only to electric transmission, gas transmission, and gas distribution, the ratio shall be based on the sum of the total electric transmission plant, the total gas transmission plant, and the total gas distribution plant;

(36) If the costs being allocated are directly related only to electric transmission, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric transmission plant, the total gas transmission plant, and the total intangible plant;

(37) If the costs being allocated are directly related only to electric transmission, gas distribution, and intangible plant, the ratio shall be based on the sum of the

total electric transmission plant, the total gas distribution plant, and the total intangible plant;

(38) If the costs being allocated are directly related only to electric distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric distribution plant, the total gas transmission plant, and the total intangible plant;

(39) If the costs being allocated are directly related only to electric distribution, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric distribution plant, the total gas distribution plant, and the total intangible plant;

(40) If the costs being allocated are directly related only to electric distribution, gas distribution, and gas transmission, the ratio shall be based on the sum of the total electric distribution plant, the total gas distribution plant, and the total gas transmission plant;

(41) If the costs being allocated are directly related only to gas transmission, gas distribution, and intangible plant, the ratio shall be based on the sum of the total gas transmission plant, the total gas distribution plant, and the total intangible plant;

(42) If the costs being allocated are directly related only to electric production, electric transmission, electric distribution, and gas transmission, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total electric distribution plant, and the total gas transmission plant;

(43) If the costs being allocated are directly related only to electric production, electric transmission, electric distribution, and gas distribution, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total electric distribution plant, and the total gas distribution plant;

(44) If the costs being allocated are directly related only to electric production, electric transmission, electric distribution, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total electric distribution plant, and the total intangible plant;

(45) If the costs being allocated are directly related only to electric production, electric transmission, gas transmission, and gas distribution, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total gas transmission plant, and the total gas distribution plant;

(46) If the costs being allocated are directly related only to electric production, electric transmission, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total gas transmission plant, and the total intangible plant;

(47) If the costs being allocated are directly related only to electric production, electric distribution, gas transmission, and gas distribution, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, the total gas transmission plant, and the total gas distribution plant;

- (48) If the costs being allocated are directly related only to electric production, electric distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, the total gas transmission plant, and the total intangible plant;
- (49) If the costs being allocated are directly related only to electric production, electric distribution, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, the total gas distribution plant, and the total intangible plant;
- (50) If the costs being allocated are directly related only to electric production, gas transmission, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total gas transmission plant, the total gas distribution plant, and the total intangible plant;
- (51) If the costs being allocated are directly related only to electric transmission, electric distribution, gas transmission, and gas distribution, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, the total gas transmission plant, and the total gas distribution plant;
- (52) If the costs being allocated are directly related only to electric transmission, electric distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, the total gas transmission plant, and the total intangible plant;
- (53) If the costs being allocated are directly related only to electric transmission, electric distribution, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, the total gas distribution plant, and the total intangible plant;
- (54) If the costs being allocated are directly related only to electric transmission, gas transmission, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric transmission plant, the total gas transmission plant, the total gas distribution plant, and the total intangible plant;
- (55) If the costs being allocated are directly related only to electric distribution, gas transmission, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric distribution plant, the total gas transmission plant, the total gas distribution plant, and the total intangible plant;
- (56) If the costs being allocated are directly related only to electric production, electric transmission, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total gas distribution plant, and the total intangible plant;
- (57) If the costs being allocated are directly related only to electric production, electric transmission, electric distribution, gas distribution, and gas transmission, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total electric distribution plant, the total gas distribution plant, and the total gas transmission plant;
- (58) If the costs being allocated are directly related only to electric production, electric transmission, electric distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total electric distribution plant, the total gas transmission plant, and the total intangible plant;

(59) If the costs being allocated are directly related only to electric production, electric distribution, gas distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric distribution plant, the total gas distribution plant, the total gas transmission plant, and the total intangible plant;

(60) If the costs being allocated are directly related only to electric production, electric transmission, gas distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total gas distribution plant, the total gas transmission plant, and the total intangible plant;

(61) If the costs being allocated are directly related only to electric production, electric transmission, electric distribution, gas distribution, and intangible plant, the ratio shall be based on the sum of the total electric production plant, the total electric transmission plant, the total electric distribution plant, the total gas distribution plant, and the total intangible plant;

(62) If the costs being allocated are directly related only to electric transmission, electric distribution, gas distribution, gas transmission, and intangible plant, the ratio shall be based on the sum of the total electric transmission plant, the total electric distribution plant, the total gas distribution plant, the total gas transmission plant, and the total intangible plant.

Total Phones Ratio - Based on the number of phones at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Total Radios Ratio - Based on the number of radios at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Total Computers Ratio - Based on the number of computers at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Total Software Applications Users Ratio - Based on the number of users of a specific software application at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such a time as may be required due to significant changes.

Joint Operating Agreement Peak Hour Megawatt Load Ratio - Based on that certain Joint Operating Agreement among Northern States Power Company, a Minnesota corporation, Northern States Power Company, a Wisconsin corporation, Public Service Company of Colorado, Southwestern Public Service Company, and Xcel Energy Services Inc., as agent, dated as of October 1, 2004, as may be amended from time to time, that designates costs to be allocated based on peak hour of megawatt load for previous year ending December 31, the numerator of which is for an applicable Operating Company or affiliate company and the denominator of which is for all applicable Operating Companies and affiliate companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Joint Operating Agreement Labor Hours Ratio - Based on that certain Joint Operating Agreement among Northern States Power Company, a Minnesota corporation, Northern States Power Company, a Wisconsin corporation, Public Service Company of Colorado, Southwestern Public Service Company, and Xcel Energy Services Inc., as agent, dated as of October 1, 2004, as may be amended from time to time, that designates costs to be allocated based on labor hours at the end of the prior year ending December 31, the numerator of which is for an applicable Operating Company and the denominator of which is for all applicable Operating Companies. This ratio will be determined annually, or at such time as may be required due to significant changes.

Direct Labor Ratio – Based on fully-loaded direct-charged Rates and Regulation labor dollars to individual operating affiliates by the Rates and Regulation service function. The numerator of which is the fully-loaded direct-charges labor dollars to individual operating affiliates by Rates and Regulation service function and the denominator of which is the total fully-loaded direct charged labor dollars to all affiliates by the Rates and Regulation service function.

Detail regarding non-labor Affiliate Expenses

Requestor	Service	Amount	Reason	Date	Page
Bryan Whitson	Empl Exp Meals	\$ 18.31	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	2
Bryan Whitson	Empl Exp Meals	7.58	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	2
Bryan Whitson	Employee Exp Airfare	391.24	Department Team Meeting- Minneapolis	3/10/2020-3/12/2020	3
Bryan Whitson	Employee Exp Airfare	384.24	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	5
Bryan Whitson	Employee Exp Hotel	305.37	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	7
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	January	8
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	February	9
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	March	10
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	April	11
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	May	12
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	June	13
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	July	14
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	August	15
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	September	16
Bryan Whitson	Pers Comm Devices	50	Cell Phone Stipend	October	17
Jeremy Lovelady	Pers Comm Devices	50	Cell Phone Stipend	November	18
Jeremy Lovelady	Employee Exp Airfare	259.96	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	19
Jeremy Lovelady	Employee Exp Airfare	26.79	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	20
Jeremy Lovelady	Employee Exp Car Rental	105.24	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	22
Jeremy Lovelady	Employee Exp Hotel	305.37	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	23
Jeremy Lovelady	Employee Exp Taxi and Bus	10.50	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	24
Jeremy Lovelady	Employee Exp Taxi and Bus	10.50	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	26
Jeremy Lovelady	Employee Exp Meals	15.97	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	27
Jeremy Lovelady	Employee Exp Meals	15.00	EEIP/EUMMOT Spring Meeting	2/5/2020-2/6/2020	27
Total		\$ 2,406.07			

myCWT

Trip on Mar 10, 2020

Locator: **CJAQAD**

Date: **Feb 25, 2020**

Traveler **BRYAN WHITSON**
BRYAN WHITSON
790 SOUTH BUCHANAN ST
AMARILLO TX 79101
Agent **ZZ**

Tuesday, March 10, 2020

Confirmation **CJAQAD**



Flight American Airlines 3300

DEPARTURE
AMA - Amarillo, TX
8:07 AM, Mar 10, 2020

ARRIVAL
DFW - Dallas Ft Worth, TX
9:22 AM, Mar 10, 2020

Status	Confirmed
Class	Coach Class - N
Duration	01:15 (Non-stop)
Equipment	E75
Meal Service	None
Reserved Seats	16D (Aisle)
Frequent Flyer	AA4A869X2
Notes	*AMA-DFW OPERATED BY ENVOY AIR AS AMERICAN EAGLE ONEWORLD CABIN-ECONOMY

Tuesday, March 10, 2020

Confirmation **CJAQAD**



Flight American Airlines 2086

DEPARTURE
DFW - Dallas Ft Worth, TX
10:25 AM, Mar 10, 2020

ARRIVAL
MSP - Minneapolis, MN
12:50 PM, Mar 10, 2020

Status	Confirmed
Class	Coach Class - N
Duration	02:25 (Non-stop)
Equipment	Boeing 737-800
Meal Service	Food For Purchase
Reserved Seats	24F (Window)
Frequent Flyer	AA4A869X2
Notes	ARR-TERMINAL 1 - LINDBERGH ONEWORLD CABIN-ECONOMY

Tuesday, March 10, 2020

Confirmation **1065808435COUNT**



Car Enterprise

PICK-UP
1:00 PM, Mar 10, 2020
Minneapolis, MN

DROP-OFF
10:00 AM, Mar 12, 2020

Reserved For	BRYAN WHITSON
Status	Confirmed
Car Type	Intermediate 2 or 4 door auto air
Rate	USD 37.75/day
Extra Days	USD 37.75
Extra Hours	USD 12.46
Distance Allowance	Unlimited
Approximate Total	USD 116.99/2 Days/41.49 Mandatory Charge

Tuesday, March 10, 2020

Confirmation **VQBVSW9**

Docket No. _____

**Hotel RADISSON BLU MINNEAPOLIS**

LOCATION
35 SOUTH SEVENTH STREET
MINNEAPOLIS, MN US 55402

CONTACT
Tel 1-612-3394900
Fax 1-612-3379766

Reserved For BRYAN WHITSON
 Status Confirmed
 Check-In Mar 10, 2020
 Check-Out Mar 12, 2020
 Number of Rooms 1
 Rate USD 201.00/night
 Cancellation Policy Cancel by 6PM

Thursday, March 12, 2020

Confirmation **CJAQAD****Flight American Airlines 2545**

DEPARTURE
MSP - Minneapolis, MN
10:14 AM, Mar 12, 2020

ARRIVAL
DFW - Dallas Ft Worth, TX
12:46 PM, Mar 12, 2020

Status Confirmed
 Class Coach Class - N
 Duration 02:32 (Non-stop)
 Equipment Boeing 737-800
 Meal Service Food For Purchase
 Reserved Seats 23A (Window)
 Frequent Flyer AA4A869X2
 Notes DEP-TERMINAL 1 - LINDBERGH
 ONEWORLD
 CABIN-ECONOMY

Thursday, March 12, 2020

Confirmation **CJAQAD****Flight American Airlines 3774**

DEPARTURE
DFW - Dallas Ft Worth, TX
2:34 PM, Mar 12, 2020

ARRIVAL
AMA - Amarillo, TX
3:51 PM, Mar 12, 2020

Status Confirmed
 Class Coach Class - N
 Duration 01:17 (Non-stop)
 Equipment E75
 Meal Service None
 Reserved Seats 17D (Aisle)
 Frequent Flyer AA4A869X2
 Notes *DFW-AMA OPERATED BY ENVOY AIR AS AMERICAN EAGLE
 ONEWORLD
 CABIN-ECONOMY

Name	Invoice / Ticket / Date	Base	Tax 1	Tax 2	Tax 3	Total
BRYAN WHITSON	32251/000SFCTRF/25FEB20	11 78				(11 78)
WHITSON BRYAN	32251/0017504396640/25FEB20	309.82	69.64			379.46
Total Amount						391.24

Form of Payment: CAXXXXXXXXXXX7160

GENERAL INFORMATION

PLEASE CONTACT CARLSON WAGONLIT TRAVEL FOR

ANY CHANGES OR CANCELLATIONS OF THIS TRIP

FOR WORLD CLASS SERVICE 24HOURS A DAY

CALL 866-416-7965

FOR CALLS OUTSIDE US CALL COLLECT 314-513-0801

myCWT

Trip on Feb 05, 2020

Locator: **EOQFYL**

Date: **Jan 10, 2020**

Traveler **BRYAN WHITSON**
BRYAN WHITSON
790 SOUTH BUCHANAN ST
AMARILLO TX 79101
Agent **ZE**

SEATING SUBJECT TO AIRPORT OR ONLINE CHECK IN.

Wednesday, February 05, 2020

Confirmation



Flight Southwest Airlines 1405

DEPARTURE
AMA - Amarillo, TX
7:00 AM, Feb 05, 2020

ARRIVAL
DAL - Dallas Love Field, TX
8:15 AM, Feb 05, 2020

Status Confirmed
Class Coach Class - Y
Duration 01:15 (Non-stop)
Equipment 73W
Meal Service None
Frequent Flyer WN20266604131
Notes ARR-TERMINAL 1
CABIN-ECONOMY
YOUR SOUTHWEST LOCATOR IS MF8QE2

Wednesday, February 05, 2020

Confirmation



Flight Southwest Airlines 410

DEPARTURE
DAL - Dallas Love Field, TX
9:45 AM, Feb 05, 2020

ARRIVAL
AUS - Austin, TX
10:55 AM, Feb 05, 2020

Status Confirmed
Class Coach Class - Y
Duration 01:10 (Non-stop)
Equipment 73W
Meal Service None
Frequent Flyer WN20266604131
Notes DEP-TERMINAL 1
CABIN-ECONOMY
YOUR SOUTHWEST LOCATOR IS MF8QE2

Wednesday, February 05, 2020

Confirmation **28890300**



Hotel HOTEL INDIGO DOWNTOWN UNIV

LOCATION
810 RED RIVER STREET
AUSTIN, TX US 78701

CONTACT
Tel 512-481-1000
Fax 512-481-1008

Reserved For BRYAN WHITSON
Status Confirmed
Check-In Feb 05, 2020
Check-Out Feb 06, 2020
Number of Rooms 1
Rate USD 261.00/night
Cancellation Policy Non-Refundable Cancellation

Thursday, February 06, 2020

Confirmation



Flight Southwest Airlines 1673

DEPARTURE
AUS - Austin, TX
4:00 PM, Feb 06, 2020

ARRIVAL
DAL - Dallas Love Field, TX
5:00 PM, Feb 06, 2020

Status Confirmed
Class Coach Class - Y
Duration 01:00 (Non-stop)
Equipment 73W
Meal Service None
Frequent Flyer WN20266604131
Notes ARR-TERMINAL 1
CABIN-ECONOMY
YOUR SOUTHWEST LOCATOR IS MF8QE2

Thursday, February 06, 2020

Confirmation



Flight Southwest Airlines 777

DEPARTURE
DAL - Dallas Love Field, TX
5:50 PM, Feb 06, 2020

ARRIVAL
AMA - Amarillo, TX
7:05 PM, Feb 06, 2020

Status Confirmed
Class Coach Class - Y
Duration 01:15 (Non-stop)
Equipment 73W
Meal Service None
Frequent Flyer WN20266604131
Notes DEP-TERMINAL 1
CABIN-ECONOMY
YOUR SOUTHWEST LOCATOR IS MF8QE2

Name	Invoice / Ticket / Date	Base	Tax 1	Tax 2	Tax 3	Total
BRYAN WHITSON	28364/000SFCTRF/10JAN20	17.28				17.28
BRYAN WHITSON	28364/5262159090539/10JAN20	366.96				366.96
Total Amount						384.24

Form of Payment: CAXXXXXXXXXXX7160

GENERAL INFORMATION

****PLEASE CONTACT CARLSON WAGONLIT TRAVEL FOR****

****ANY CHANGES OR CANCELLATIONS OF THIS TRIP****

FOR WORLD CLASS SERVICE 24HOURS A DAY

CALL 866-416-7965

FOR CALLS OUTSIDE US CALL COLLECT 314-513-0801

DOMESTIC CHECK IN MINIMUM 90 MINUTES

INTERNATIONAL CHECK IN MINIMUM 3 HOURS

PLEASE TAKE A MOMENT TO REVIEW THE ABOVE ITINERARY

CARLSON WAGONLIT DOES NOT ACCEPT RESPONSIBILITY

FOR DISCREPANCIES REPORTED MORE THAN 24 HOURS

AFTER RECEIPT OF DOCUMENTS.

PLEASE NOTE-YOU MAY SEE A .15 CHARGE ON AGENT

BOOKED RESERVATIONS OR ASSISTED ONLINE RESERVATIONS.

THIS CHARGE ENABLES TRAVELERS TO VIEW ALL RESERVATIONS

IN THE ONLINE BOOKING TOOL AND WAS APPROVED BY

SUPPLY CHAIN MANAGEMENT.

SOUTHWEST LOCATOR IS MF8QE2

YOUR SOUTHWEST TICKET NUMBER IS 5262159090539

FOR AIRPORT SECURITY INFORMATION SEE WWW.TSA.GOV

PLEASE VISIT WWW.MYCWT.COM/AIRLINEBAGGAGEFEES

FOR INFORMATION ON FREE BAGGAGE ALLOWANCES AND/OR

APPLICABLE FEES FOR CARRY-ON AND CHECKED BAGGAGE

RELATED TO YOUR FLIGHT.

IF TRAVELING ON CODE SHARE/PARTNER AIRLINE CARRIERS
CHECK ALLOWANCE/CHECK IN DETAILS FOR THE OPERATING
CARRIER.

.
THIS TICKET AND ANY CHANGES MAY BE SUBJECT TO PENALTIES OR
FARE INCREASE UP TO AND INCLUDING THE TOTAL COST OF THE TICKET
FAILURE TO CANCEL MAY FORFEIT THE TOTAL VALUE OF THE TICKET
TO ACCRUE MILEAGE ON SOUTHWEST AIRLINES, PLEASE PRESENT
YOUR FREQUENT FLYER NUMBER AT CHECK-IN

.
UNITED STATES FEDERAL LAW FORBIDS THE CARRIAGE OF
CERTAIN HAZARDOUS MATERIALS SUCH AS AEROSOLS FIREWORKS
AND FLAMMABLE LIQUIDS ABOARD THE AIRCRAFT. TO LEARN
MORE ABOUT THESE RESTRICTIONS CONTACT YOUR AIRLINE OR
GO TO WWW.FAA.GOV/ABOUT/INITIATIVES
AND CLICK ON PACK SAFE UNDER INITIATIVES



27

02-06-20

Bryan Whitson	Folio No. :	Room No. :	901
4409 Chandler	A/R Number :	Arrival :	02-05-20
Amarillo TX 79109	Group Code :	Departure :	02-06-20
United States	Company : Leisure	Conf. No. :	28890300
	Membership No. : PC 254375595	Rate Code :	IDAVA
	Invoice No :	Page No. :	1 of 1

Date	Description	Charges	Credits
02-05-20	Deposit Transfer at Check-In		305.37
02-05-20	*Accommodation	261.00	
02-05-20	State Tax - 6%	15.66	
02-05-20	City Tax - 11%	28.71	
Thank you for staying with us! Qualifying points for this stay will automatically be credited to your account. Please tell us about your stay by writing a review here - www.ihgrewardsclub.com/review . We look forward to welcoming you back soon.		Total	305.37
		Balance	0.00


Guest Signature: _____

I have received the goods and / or services in the amount shown heron. I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company, or associate fails to pay for any part or the full amount of these charges. If a credit card charge, I further agree to perform the obligations set forth in the cardholder's agreement with the issuer.

Whitson, Bryan J

From: Service Manager <DoNotReplyServiceMan@xcelenergy.com>
Sent: Tuesday, February 04, 2020 9:15 AM
To: Whitson, Bryan J
Subject: Request SD01128410 has been completed.

XpressREQUEST

 Congratulations! Your Mobile Phone Stipend Request has been approved in the amount of \$50.00. Be sure to save this email for submission with your monthly expense report.

Your Request SD01128410 has been completed. Please access [XpressREQUEST](#) to view the details of your ticket.

Thank you for your order.

Request Details

Item Requested	Mobile Phone Stipend
Who is receiving it	BRYAN WHITSON
Actual Delivery Date	02/04/20 09:12:22

Sent from Service Manager. Do not reply to this email

Whitson, Bryan J

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Request Details

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Sent from Service Manager. Do not reply to this email.

April

Whitson, Bryan J

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XpressREQUEST

Congratulations! Your Mobile Phone Stipend Request has been approved in the amount of \$50.00. Be sure to save this email for submission with your monthly expense report.

Your Request SD01128410 has been completed. Please access [XpressREQUEST](#) to view the details of your ticket.

Thank you for your order.

Request Details

Item Requested	Mobile Phone Stipend
Who is receiving it	BRYAN WHITSON
Actual Delivery Date	02/04/20 09:12:22

Sent from Service Manager. Do not reply to this email.

Whitson, Bryan J

From: Service Manager <DoNotReplyServiceMan@xcelenergy.com>
Sent: Tuesday, February 04, 2020 9:15 AM
To: Whitson, Bryan J
Subject: Request SD01128410 has been completed.

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Sent from Service Manager. Do not reply to this email.



Trip on Feb 05, 2020

Locator: **EFIWPH**

Date: **Jan 13, 2020**

Traveler **JEREMY LOVELADY**
JEREMY LOVELADY
1800 LARIMER
DENVER COLORADO 80205

Agent **ZB**

SEATING SUBJECT TO AIRPORT OR ONLINE CHECK IN.
NEW TICKET AMOUNT 259.96
LESS OLD TICKET AMOUNT ~~283.96~~
PENALTY FOR EXCHANGE 0 00
TOTAL EXCHANGE AMOUNT -24 00
CARRIER CREDIT AMOUNT... -24 00
AIRLINE LOCATOR MBRHJX

Wednesday, February 05, 2020

Confirmation **MBRHJX**



Flight Southwest Airlines 1278

DEPARTURE
DEN - Denver, CO
8:30 AM, Feb 05, 2020

ARRIVAL
AUS - Austin, TX
11:45 AM, Feb 05, 2020

Status Confirmed
Class Economy Class - U
Duration 02:15 (Non-stop)
Equipment 73W
Meal Service None
Frequent Flyer WN606089514
Notes CABIN-ECONOMY

Wednesday, February 05, 2020

Confirmation **1314472183COUNT**



Car Enterprise

PICK-UP
12:00 PM, Feb 05, 2020
Austin, TX

DROP-OFF
5:00 PM, Feb 06, 2020

Reserved For JEREMY LOVELADY
Status Confirmed
Car Type Compact 2 or 4 door auto air
Rate USD 42.75/day
Extra Days USD 42.75
Extra Hours USD 12.46
Distance Allowance Unlimited
Approximate Total USD 128.79/2 Days/43.29 Mandatory Charge

Wednesday, February 05, 2020

Confirmation **46410078**



Hotel HOTEL INDIGO DOWNTOWN UNIV

LOCATION
810 RED RIVER STREET
AUSTIN, TX US 78701

CONTACT
Tel 512-481-1000
Fax 512-481-1008

Reserved For JEREMY LOVELADY
Status Confirmed
Check-In Feb 05, 2020
Check-Out Feb 06, 2020
Number of Rooms 1

Rate USD 261.00/night
Cancellation Policy Non-Refundable Cancellation

Thursday, February 06, 2020

Confirmation **MBRHJX**



Flight Southwest Airlines 3325

DEPARTURE
AUS - Austin, TX
3:35 PM, Feb 06, 2020

ARRIVAL
DEN - Denver, CO
4:50 PM, Feb 06, 2020

Status Confirmed
Class Economy Class - U
Duration 02:15 (Non-stop)
Equipment 73W
Meal Service None
Frequent Flyer WN606089514
Notes CABIN-ECONOMY

Name	Invoice / Ticket / Date	Base	Tax 1	Tax 2	Tax 3	Total
JEREMY LOVELADY	28527/000SFCTRF/13JAN20	26.79				26.79
JEREMY LOVELADY	28527/5262160070238/13JAN20					0.00
Total Amount						26.79

Form of Payment: CAXXXXXXXXXXX2708

GENERAL INFORMATION

****PLEASE CONTACT CARLSON WAGONLIT TRAVEL FOR****

****ANY CHANGES OR CANCELLATIONS OF THIS TRIP****

FOR WORLD CLASS SERVICE 24HOURS A DAY

CALL 866-416-7965

FOR CALLS OUTSIDE US CALL COLLECT 314-513-0801

DOMESTIC CHECK IN MINIMUM 90 MINUTES

INTERNATIONAL CHECK IN MINIMUM 3 HOURS

PLEASE TAKE A MOMENT TO REVIEW THE ABOVE ITINERARY

CARLSON WAGONLIT DOES NOT ACCEPT RESPONSIBILITY

FOR DISCREPANCIES REPORTED MORE THAN 24 HOURS

AFTER RECEIPT OF DOCUMENTS.

PLEASE NOTE-YOU MAY SEE A .15 CHARGE ON AGENT
BOOKED RESERVATIONS OR ASSISTED ONLINE RESERVATIONS.
THIS CHARGE ENABLES TRAVELERS TO VIEW ALL RESERVATIONS
IN THE ONLINE BOOKING TOOL AND WAS APPROVED BY
SUPPLY CHAIN MANAGEMENT.

FOR AIRPORT SECURITY INFORMATION SEE WWW.TSA.GOV

PLEASE VISIT WWW.MYCWT.COM/AIRLINEBAGGAGEFEES

FOR INFORMATION ON FREE BAGGAGE ALLOWANCES AND/OR

APPLICABLE FEES FOR CARRY-ON AND CHECKED BAGGAGE

RELATED TO YOUR FLIGHT.

IF TRAVELING ON CODE SHARE/PARTNER AIRLINE CARRIERS

CHECK ALLOWANCE/CHECK IN DETAILS FOR THE OPERATING

CARRIER.

THIS TICKET AND ANY CHANGES MAY BE SUBJECT TO PENALTIES OR
FARE INCREASE UP TO AND INCLUDING THE TOTAL COST OF THE TICKET
FAILURE TO CANCEL MAY FORFEIT THE TOTAL VALUE OF THE TICKET
TO ACCRUE MILEAGE ON SOUTHWEST AIRLINES, PLEASE PRESENT
YOUR FREQUENT FLYER NUMBER AT CHECK-IN

UNITED STATES FEDERAL LAW FORBIDS THE CARRIAGE OF
CERTAIN HAZARDOUS MATERIALS SUCH AS AEROSOLS FIREWORKS
AND FLAMMABLE LIQUIDS ABOARD THE AIRCRAFT. TO LEARN
MORE ABOUT THESE RESTRICTIONS CONTACT YOUR AIRLINE OR
GO TO WWW.FAA.GOV/ABOUT/INITIATIVES
AND CLICK ON PACK SAFE UNDER INITIATIVES

----- EXCHANGE INFORMATION - 13JAN -----

SOUTHWEST AIRLINES RAPID CHECK-IN SELF-SERVICE
KIOSK ACCEPTS YOUR RAPID REWARDS CARD OR
CREDIT CARD TO BEGIN THE CHECK-IN PROCESS
SOUTHWEST AIRLINES DOES NOT PRE-ASSIGN SEATS
TO ACCRUE MILEAGE ON SOUTHWEST AIRLINES, PLEASE PRESENT
YOUR FREQUENT FLYER NUMBER AT CHECK-IN
PLEASE VISIT WWW.MYCW.T.COM/AIRLINEBAGGAGEFEES
FOR INFORMATION ON FREE BAGGAGE ALLOWANCES AND/OR
APPLICABLE FEES FOR CARRY-ON AND CHECKED BAGGAGE
RELATED TO YOUR FLIGHT.
IF TRAVELING ON CODE SHARE/PARTNER AIRLINE CARRIERS
CHECK ALLOWANCE/CHECK IN DETAILS FOR THE OPERATING
CARRIER.



Rental Agreement # 763694902
Invoice # 90124147575

Renter Information

Renter Name
JEREMY LOVELADY

Renter Address
AMARILLO, TX 79106
USA

Contract
XCEL ENERGY

Vehicle Information

4DR FRONT-WHEEL DRIVE

License #: MPC0745

State/Province: TX

Unit #: 7T72H4

Vehicle #: LP513129

Vehicle Class Driven
INTERMEDIATE SUV 2WD "SUV -
INTERMEDIATE SIZE, 2WD"

Vehicle Class Charged
Compact Car 2 or 4-Door/Automatic/Air

Odometer Mileage/Kilometers

Starting: 6,464 **Ending:** 6,492

Total: 28

**Thank you for renting
with Enterprise Rent-A-
Car**

We appreciate your business!

This email was automatically generated
from an unattended mailbox, so please
do not reply to this e-mail
If you have any questions about your
rental, please view our Frequently
Asked Questions or send us a secured
message by visiting our [Support Center](#)

Trip Information

Pickup

Wednesday, February 5,
2020 11 50 AM

Start Charges

Wednesday, February 5,
2020 11 55 AM

AUSTIN BERGSTROM ARPT (AUS)
3819 PRESIDENTIAL BLVD
AUSTIN, TX 78719
USA

Return

Thursday, February 6,
2020 1 50 PM

AUSTIN BERGSTROM ARPT (AUS)
3819 PRESIDENTIAL BLVD
AUSTIN, TX 78719
USA

Renter Charges

Rental Rate	Time & Distance 1 Day at \$42 75 / Day	\$42.75
	Time & Distance 2 Hour at \$12 46 / Hour	\$24.92
Coverages	Cdw-allocated Inclusive	Included
Taxes and Fees	Vlf Rec 1.99/day (\$1 99 / Day)	\$3 98
	Concession Recoup Fee 11.11 Pct (11 11%)	\$7 96
	Consolidated Facility Fee 5 95/dy (\$5.95 / Day)	\$11 90
	Tx Motor Veh Rental Tax (10 00%)	\$9.15
	Austin Events Venue Tax 5 Pct (5.00%)	\$4 58
Total		\$105.24
(Subject to audit)		
Amount charged on February 6, 2020 to MASTERCARD (2708)		(\$105 24)
Amount Due		\$0.00



27

02-06-20

Jeremy Lovelady 3800 S Monroe St Amarillo TX 79110-1441 United States	Folio No. : A/R Number : Group Code : Company : Leisure Membership No. : PC 193320594 Invoice No. :	Room No. : 1016 Arrival : 02-05-20 Departure : 02-06-20 Conf. No. : 46410078 Rate Code : IDAVA Page No. : 1 of 1
--	--	---

Date	Description	Charges	Credits
02-05-20	Deposit Transfer at Check-In		305.37
02-05-20	*Accommodation	261.00	
02-05-20	State Tax - 6%	15.66	
02-05-20	City Tax - 11%	28.71	
Thank you for staying with us! Qualifying points for this stay will automatically be credited to your account. Please tell us about your stay by writing a review here - www.ihgrewardsclub.com/review . We look forward to welcoming you back soon.		Total	305.37
		Balance	0.00

Guest Signature: _____
I have received the goods and / or services in the amount shown heron. I agree that my liability for this bill is not waived and agree to be held personally liable in the event that the indicated person, company, or associate fails to pay for any part or the full amount of these charges. If a credit card charge, I further agree to perform the obligations set forth in the cardholder's agreement with the issuer

Lovelady, Jeremy M

From: [REDACTED]
Sent: Friday, February 07, 2020 7:32 AM
To: Lovelady, Jeremy M
Subject: FW: RTD Ticket Receipt

**CAUTION EXTERNAL SENDER: Stop and consider before you click links or open attachments.
Report suspicious email using the 'Report Phishing/Spam' button in Outlook.**

Sent via the Samsung Galaxy S8 Active, an AT&T 5G Evolution capable smartphone

----- Original message -----

From: noreply@mobile.rtd-denver.com
Date: 2/6/20 5:27 PM (GMT-07:00)
To: [REDACTED]
Subject: RTD Ticket Receipt



Purchase Receipt

This is the receipt for your ticket(s) and cannot be used to travel

Purchase Details

 Full Fare Regional/Airport Day Pass 1x \$10.50
Ticket IDs:
RNKCRXVNR5

Total: **\$10.50**

Payment Info

Merchant name: RTD
Merchant Online Address: <http://www.rtd-denver.com/>

Account ID: RDBCZT2P2U5

Purchase ID: PURE7TWOU7DNCYU

Purchase Date: 2/6/20 5:27 PM

Authorization Code: 061429

UTR Number: MRXMYVZCRVSUZ2S

Name on Card: Jeremy Lovelady

Card Type: Visa

Card Number: ****0792

Amount Charged: \$10.50

Activate your ticket(s) prior to boarding.

Contact RTD Customer Care at (303) 299-6000 for assistance.

Powered by JustRide

Lovelady, Jeremy M

From: [REDACTED]
Sent: Wednesday, February 05, 2020 7:58 AM
To: Lovelady, Jeremy M
Subject: FW: RTD Ticket Receipt

Follow Up Flag: Follow up
Flag Status: Completed

**CAUTION EXTERNAL SENDER: Stop and consider before you click links or open attachments.
Report suspicious email using the 'Report Phishing/Spam' button in Outlook.**

Trip to atx

Sent via the Samsung Galaxy S8 Active, an AT&T 5G Evolution capable smartphone

----- Original message -----

From: noreply@mobile.rtd-denver.com
Date: 2/5/20 6:30 AM (GMT-07:00)
[REDACTED]
Subject: RTD Ticket Receipt



Purchase Receipt

This is the receipt for your ticket(s) and cannot be used to travel

Purchase Details



Full Fare Regional/Airport Day Pass 1x \$10.50
Ticket IDs:
RNKDMIDNWR2

Total: **\$10.50**

Payment Info

Merchant name: RTD

Merchant Online Address: <http://www.rtd-denver.com/>
Account ID: RDBCZT2P2U5

Purchase ID: PUME6UVZFJ5YFQ2
Purchase Date: 2/5/20 6:30 AM

Authorization Code: 001057
UTR Number: MRYHBOI4YYPRRKG
Name on Card: Jeremy Lovelady
Card Type: Visa
Card Number: ****0792
Amount Charged: \$10.50

Activate your ticket(s) prior to boarding.

Contact RTD Customer Care at [\(303\) 299-6000](tel:3032996000) for assistance.

Powered by JustRide

EGGP/Eummet
Spring meeting



UT Austin
Brazos Garage
512-471-6126
garages@www.utexas.edu

Full Statement

P/S #03 A Payment No. 00000066
T/O #07 Ticket No. 038525
Entry Time 02/06/2020 (Thu) 8:44
Exit Time 02/06/2020 (Thu) 13:27
Parking Time 4:43
Parking Fee Rate A \$15.00

MasterCard
Account # *****2708
Slip # 00649
Auth Code 022177
Credit Card Amount \$15.00
Cash Amount \$0.00

=====
Total \$15.00

Thank You for Your Visit
Please Come Again !
=====

Scholz Beer Garden

Check #: 3624 2/6/20
Server: Jack T 17:26 PM
TAX: Seat 5

1 Main Root Cola 5.95
1 Scholz Fried Chicken 10.00

Sub-total 15.95
Sales Tax 1.33
TOTAL 17.28

PAYMENTS

CC Payment 17.28
MC XXXXXXXXX2708
AUTH: 027111
TIPS: 2.00

TOTAL PAYMENTS 17.28
TOTAL TIPS 2.00

Balance Due 0.00

Suggested Tips:

18% = 3.10
20% = 3.47
25% = 4.32

Free \$10 gift card with a \$50 gift card
purchase.

Thank You!

Southwestern Public Service Company

PUCT DOCKET NO. _____

2021 EECRF

**AAPPLICATION OF
SOUTHWESTERN PUBLIC SERVICE COMPANY
TO ADJUST ITS ENERGY EFFICIENCY
COST RECOVERY FACTOR**

Attachment JML-5(CD)