AUSLEY MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

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July 25, 2018

VIA: ELECTRONIC FILING

Ms. Carlotta S. Stauffer Commission Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850

Re: Environmental Cost Recovery Clause FPSC Docket No. 20180007-EI

Dear Ms. Stauffer:

Attached for filing in the above docket, on behalf of Tampa Electric Company, is the following:

- 1. Petition of Tampa Electric Company.
- 2. Prepared Direct Testimony and Exhibits (PAR-2) and (PAR-3) of Penelope A. Rusk regarding Environmental Cost Recovery Actual/Estimated True-up for the period January 2018 through December 2018.
- 3. Prepared Direct Testimony of Paul L. Carpinone regarding Environmental Cost Recovery Actual/Estimated True-up for the period January 2018 through December 2018.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp Attachment

cc: All Parties of Record (w/attachment)

FILED 7/25/2018 DOCUMENT NO. 04871-2018 FPSC - COMMISSION CLERK

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition and Testimonies, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of July 2018 to the following:

Mr. Charles W. Murphy Office of the General Counsel Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850 <u>cmurphy@psc.state.fl.us</u>

Mr. Matthew R. Bernier Duke Energy Florida, Inc. 106 East College Avenue, Suite 800 Tallahassee, FL 32301-7740 matthew.bernier@duke-energy.com

Ms. Dianne M. Triplett Duke Energy Florida, Inc. 299 First Avenue North St. Petersburg, FL 33701 dianne.triplett@duke-energy.com

Mr. John T. Butler Assistant General Counsel - Regulatory Ms. Maria J. Moncada Senior Attorney Florida Power & Light Company 700 Universe Boulevard (LAW/JB) Juno Beach, FL 33408-0420 john.butler@fpl.com maria.moncada@fpl.com

Mr. Kenneth Hoffman Vice President, Regulatory Affairs Florida Power & Light Company 215 South Monroe Street, Suite 810 Tallahassee, FL 32301-1858 ken.hoffman@fpl.com Mr. Jeffrey A. Stone VP, General Counsel & Corporate Secretary Gulf Power Company One Energy Place. Bin 1000 Pensacola, FL 32520-0100 jastone@southernco.com

Mr. Russell A. Badders Mr. Steven R. Griffin Beggs & Lane Post Office Box 12950 Pensacola, FL 32591 <u>rab@beggslane.com</u> <u>srg@beggslane.com</u>

Ms. Rhonda J. Alexander Regulatory, Forecasting & Pricing Manager Gulf Power Company One Energy Place Pensacola, FL 32520-0780 rjalexad@southernco.com

Mr. J. R. Kelly Ms. Patricia Christensen Mr. Charles Rehwinkel Associate Public Counsel Office of Public Counsel 111 West Madison Street – Room 812 Tallahassee, FL 32399-1400 kelly.jr@leg.state.fl.us christensen.patty@leg.state.fl.us rehwinkel.charles@leg.state.fl.us

Mr. Jon C. Moyle, Jr. Moyle Law Firm 118 N. Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com

Mr. James W. Brew Ms. Laura A. Wynn Stone Mattheis Xenopoulos & Brew, PC 1025 Thomas Jefferson Street, NW Eighth Floor, West Tower Washington, D.C. 20007-5201 jbrew@smxblaw.com laura.wynn@smxblaw.com

Mr. George Cavros Southern Alliance for Clean Energy 120 E. Oakland Park Blvd., Suite 105 Fort Lauderdale, FL 33334 george@carvos-law.com

Ms. Dori Jaffe 50 F. Street, NW, Eighth Floor Washington, DC 20001 dori.jaffe@sierraclub.org

Ms. Diana Csank 50 F. Street, NW, Eighth Floor Washington, DC 20001 diana.csank@sierraclub.org

OBer (

ATTORNEY

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Environmental Cost Recovery Clause.)

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)

DOCKET NO. 20180007-EI

FILED: July 25, 2018

PETITION OF TAMPA ELECTRIC COMPANY

Tampa Electric Company ("Tampa Electric" or "company"), hereby petitions the Commission for approval of the company's actual/estimated environmental cost recovery true-up amount for the period January 2018 through December 2018, and in support thereof, says:

Environmental Cost Recovery

1. Tampa Electric projects an actual/estimated true-up amount for the January 2018 through December 2018 period, which is based on actual data for the period January 1, 2018 through June 30, 2018 and revised estimates for the period July 1, 2018 through December 31, 2018, to be an over-recovery of \$13,471,786. (See Exhibit No. PAR-2, Document No. 1, Schedule 42-1E)

2. For reasons more fully detailed in the Prepared Direct Testimony of witness Penelope A. Rusk and Paul L. Carpinone, the environmental compliance costs sought to be approved for cost recovery proposed in this petition are consistent with the provisions of Section 366.8255, Florida Statutes, and with prior rulings by the Commission with respect to environmental compliance cost recovery for Tampa Electric and other investor-owned utilities.

3. Tampa Electric is not aware of any disputed issues of material fact regarding any of the matters stated or relief requested in this petition.

WHEREFORE, Tampa Electric Company requests this Commission's approval of the company's actual/estimated environmental cost recovery true-up calculations for the period January 1, 2018 through December 31, 2018.

DATED this 25th day of July 2018.

Respectfully submitted,

Am Volen Ly

JAMES D. BEASLEY J. JEFFRY WAHLEN Ausley McMullen Post Office Box 391 Tallahassee, FL 32302 (850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of July 2018 to the following:

Mr. Charles W. Murphy Office of the General Counsel Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850 cmurphy@psc.state.fl.us

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ATTORNEY ATTORNEY



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20180007-EI IN RE: TAMPA ELECTRIC'S ENVIRONMENTAL COST RECOVERY

ACTUAL/ESTIMATED TRUE-UP JANUARY 2018 THROUGH DECEMBER 2018

TESTIMONY AND EXHIBITS

OF

PENELOPE A. RUSK

FILED: JULY 25, 2018

TAMPA ELECTRIC COMPANY DOCKET NO. 20180007-EI FILED: 07/25/2018

| | l | |
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| 1 | | BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION |
| 2 | | PREPARED DIRECT TESTIMONY |
| 3 | | OF |
| 4 | | PENELOPE A. RUSK |
| 5 | | |
| 6 | Q. | Please state your name, address, occupation and employer. |
| 7 | | |
| 8 | A. | My name is Penelope A. Rusk. My business address is 702 |
| 9 | | North Franklin Street, Tampa, Florida 33602. I am employed |
| 10 | | by Tampa Electric Company ("Tampa Electric" or "company") |
| 11 | | in the position of Manager, Rates in the Regulatory |
| 12 | | Affairs department. |
| 13 | | |
| 14 | Q. | Have you previously filed testimony in Docket No. |
| 15 | | 20180007-EI? |
| 16 | | |
| 17 | A. | Yes, I submitted direct testimony on April 2, 2018. |
| 18 | | |
| 19 | Q. | Has your job description, education, or professional |
| 20 | | experience changed since then? |
| 21 | | |
| 22 | A. | No. |
| 23 | | |
| 24 | Q. | What is the purpose of your direct testimony? |
| 25 | | |
| | l | |

The purpose of my testimony is to present, for Commission 1 Α. review and approval, the calculation of the January 2018 2 3 through December 2018 actual/estimated true-up amount to be refunded or recovered through the Environmental Cost 4 Recovery Clause ("ECRC") during the period January 2019 5 2019. My testimony addresses through December 6 the recovery of capital and operations and maintenance 7 ("O&M") costs associated with environmental compliance 8 activities for 2018, based on six months of actual data 9 and six months of estimated data. This information will 10 be used in the determination of the environmental cost 11 recovery factors for January 2019 through December 2019. 12 13 14 Q. Have you prepared exhibits that show the recoverable environmental costs for the actual/estimated period of 15 January 2018 through December 2018? 16 17 Exhibit 18 Α. Yes, Ι prepared two exhibits. No. PAR-2, containing nine documents, prepared under 19 was my 20 direction and supervision. Ιt includes Forms 42-1E 42-9E, which 21 through show the current period actual/estimated true-up amount to be used in calculating 22 23 the cost recovery factors for January 2019 through December 2019. Exhibit No. PAR-3, which contains seven 24 documents, includes selected schedules without the costs 25

of Tampa Electric's two new proposed ECRC projects for 1 compliance with the Effluent Limitations Guidelines 2 ("ELG") Rule and Section 316(b) of the Clean Water Act. 3 4 5 Q. What has Tampa Electric calculated as the actual/estimated true-up for the current period to be 6 applied. 7 8 The actual/estimated true-up applicable for the current Α. 9 period, January 2018 through December 2018, is an over-10 \$13,471,786. 11 recovery of А detailed calculation supporting the true-up amount is shown on Forms 42-1E 12 through 42-9E of my exhibit. 13 14 Is Tampa Electric including costs in the actual/estimated 15 Ο. true-up filing for any new environmental projects that 16 were not anticipated and included in its 2018 ECRC 17 factors? 18 19 20 Α. Yes, Tampa Electric included costs associated with the company's compliance with Section 316(b) of the Clean 21 Water Act. The company's petition for approval to recover 22 23 such costs through the ECRC was filed on April 26, 2018. In addition, new costs for compliance with the ELG Rule 24 are included. The company's petition for approval to 25

recover such costs through the ECRC was filed on May 9, 2018. The respective petitions explain the need for the projects and the regulations requiring those activities. The testimony of Tampa Electric witness Paul L. Carpinone submitted concurrently in this docket also supports these projects.

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Q. What depreciation rates were utilized for the capital projects contained in the 2018 actual/estimated true-up?

11 Α. Tampa Electric utilized the depreciation rates approved in Order No. PSC-2012-0175-PAA-EI, issued on April 3, 12 2012, in Docket No. 20110131-EI, with two exceptions. For 13 14 the Big Bend Fuel Oil Tank No. 1 Upgrade and Big Bend Fuel Oil Tank No. 2 Upgrade projects, the company has 15 utilized depreciation rates calculated to recover the 16 remaining net investment balances of these now-retired 17 assets from July 2018 through December 2021, 18 which represents a five-year period from the date of their 19 20 retirement on December 31, 2016. Tampa Electric requests approval for this treatment as it is consistent with 21 Commission-approved treatment for other assets retired 22 23 before the end of their projected depreciable life over a five-year period from the date of retirement. For 24 example, the accelerated recovery of the remaining net 25

investment balance of the Gannon Ignition Oil Tank project over a five-year period was authorized by Commission Order No. PSC-2000-2391-FOF-EI, issued December 13, 2000 in Docket No. 2000007-EI.

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Q. Why were the assets of the Big Bend Fuel Oil Tank No. 1 Upgrade and Big Bend Fuel Oil Tank No. 2 Upgrade projects retired earlier than expected?

retired December 31, 2016 after Α. The assets were 10 an 11 analysis of the expenses to maintain them and consideration of the low utilization of oil at the station 12 after the Big Bend igniters on Units 1 through 4 were 13 14 converted to natural gas operation. In 2016, the maintenance cost to bring the 4.5 million-gallon tank 15 system to current standards was estimated at \$1.5 million. 16 Annual monitoring and reporting costs were approximately 17 \$50,000 to \$75,000. In light of these substantial costs 18 and the fact that oil use at the station was greatly 19 20 reduced after the igniters conversion in 2015, so that a large amount of oil storage was no longer needed, Tampa 21 Electric retired the assets. With the retirement, Tampa 22 23 Electric was no longer required to fill the tank with now-unneeded amounts of No. 2 fuel oil at the start of 24 each hurricane season to prevent the tank from floating 25

in the event of storm related flooding. Finally, retiring 1 the tank avoided the continued environmental costs and 2 3 risks of managing a tank of this size in proximity to the waters of the State. 4 5 What capital structure, components and cost rates did 6 Q. Electric rely on to calculate the 7 Tampa revenue requirement rate of return for January 2018 through 8 December 2018? 9 10 11 Α. Tampa Electric's revenue requirement rate of return for January 2018 through December 2018 is calculated based on 12 the capital structure, components and current period cost 13 14 rates as approved in Order No. PSC-2012-0425-PAA-EU, issued on August 16, 2012 in Docket No. 20120007-EI. The 15 calculation of the revenue requirement rate of return is 16 shown on Form 42-9E. 17 18 Has Tampa Electric adjusted the revenue requirements of Q. 19 20 its ECRC capital projects to reflect the lower tax rate of 21 percent in the Tax Cuts and Jobs Act of 2017 ("TCJA")? 21 22 23 Α. Yes, the company updated the tax multiplier utilized in 24 the determination of the equity component of the revenue requirement rate of return, shown on Form 42-9E, Document 25

| | 1 | |
|----|----|--|
| 1 | | No. 9 of my Exhibit No. PAR-2. |
| 2 | | |
| 3 | Q. | Did the company apply the lower tax rate in the |
| 4 | | calculation of revenue requirements for its ECRC capital |
| 5 | | projects for the period January 2018 through December |
| 6 | | 2018? |
| 7 | | |
| 8 | A. | Yes. Tampa Electric calculated the new tax multiplier and |
| 9 | | revised rate of return in early 2018 and began applying |
| 10 | | the rate to the monthly ECRC net investment balances in |
| 11 | | May 2018. The company calculated an adjustment to reflect |
| 12 | | revenue requirements with the lower tax rate for the |
| 13 | | months of January 2018 through April 2018 and booked the |
| 14 | | adjustment, including interest, in May 2018. This tax |
| 15 | | adjustment effectively identified and recorded the |
| 16 | | difference in the amount of allowed cost recovery for |
| 17 | | environmental projects due to the lower tax rate as an |
| 18 | | over-recovery for the first four months of 2018 that will |
| 19 | | be considered as part of the company's projected overall |
| 20 | | over- or under-recovery for the year. |
| 21 | | |
| 22 | | Form 42-8E, which is included as Document No. 8 of Exhibit |
| 23 | | No. PAR-2, shows the calculation of the adjusted monthly |
| 24 | | revenue requirements for capital projects using the lower |
| 25 | | tax rate and revised rate of return for the January |
| | I | 7 |

| 1 | | through December 2018 period. |
|----|----|--|
| 2 | | |
| 3 | Q. | Will the company account for the flowback of excess |
| 4 | | accumulated deferred income taxes associated with |
| 5 | | environmental projects in this docket or as part of Docket |
| 6 | | No. 20180045-EI, which addresses the overall impact of |
| 7 | | the TCJA on the company? |
| 8 | | |
| 9 | A. | The flowback of excess accumulated deferred income taxes |
| 10 | | associated with environmental projects recovered through |
| 11 | | the environmental cost recovery clause is being addressed |
| 12 | | in Docket No. 20180045-EI and does not need to be |
| 13 | | considered in this docket. |
| 14 | | |
| 15 | Q. | How did the actual/estimated project expenditures for the |
| 16 | | January 2018 through December 2018 period compare with |
| 17 | | the company's original projections? |
| 18 | | |
| 19 | A. | As shown on Form 42-4E, total O&M costs are expected to |
| 20 | | be \$9,400,732 less than the amount that was originally |
| 21 | | projected. The total capital expenditures itemized on |
| 22 | | Form 42-6E, are expected to be \$4,523,197 less than |
| 23 | | originally projected. Significant variances for O&M costs |
| 24 | | and capital project amounts are explained below. |
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O&M Project Variances

O&M expense projections related to planned maintenance 2 3 work are typically spread across the period in question. However, the company always inspects the units to ensure 4 5 that the maintenance is needed, before beginning work. need varies according to the actual usage and 6 The associated "wear and tear" on the units. If inspection 7 indicates that the maintenance is not yet needed or if 8 additional work is needed, then the company will have a 9 variance compared to the projection. When inspections 10 11 indicate that work is not needed now, that maintenance expense will be incurred in a future period when warranted 12 by the condition of the unit. 13

- Big Bend Unit 3 Flue Gas Desulfurization ("FGD") Integration: The Bend Unit 3 FGD Integration Project variance is estimated to be \$2,529,108 or 57.2 percent less than projected due to greater operation on natural gas, compared to the original projection. This reduces the expected need for consumables and maintenance.
- Big Bend Units 1 & 2 FGD: The Big Bend Units 1 & 2 FGD
 project variance is estimated to be \$1,629,196 or 74.1
 percent less than projected. The variance is due to
 lower costs for consumables and maintenance than

expected as the units burned natural gas. 1 2 3 • Big Bend PM Minimization & Monitoring: The Big Bend PM Minimization & Monitoring Project variance is estimated 4 5 to be \$204,721 or 33.5 percent lower than projected. This variance is due to less maintenance being required 6 than expected, after inspection. 7 8 Big Bend NO_x Emissions Reduction: The Big Bend NO_x 9 Emissions Reduction project variance is \$60,263 or 43.4 10 11 percent less than projected. This variance is due to the operation of Big Bend Units 1 & 2 on natural gas. 12 13 Reduction 14 Bayside Selective Catalytic ("SCR") Consumables: The Bayside SCR Consumables 15 project variance is estimated to be \$92,779 or 45.5 percent 16 less than projected. This variance is due to less total 17 run time estimated for Bayside Station units, compared 18 to the original projection, resulting in less ammonia 19 20 consumption. 21 Clean Water Act Section 316(b) Phase II Study Program: 22 23 The Clean Water Act Section 316(b) Phase II Study Program project variance is \$246,842 or 76.9 percent 24 less than projected. The National Pollutant Discharge 25

Elimination System ("NPDES") permit renewal for Big Bend Station has not yet been finalized. The variance is related to uncertainty regarding the timing of the final requirements and reporting that must be submitted once the permit is finalized.

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- **Big Bend Unit 1 SCR**: The Big Bend Unit 1 SCR project variance is \$1,147,483 or 76.6 percent less than originally projected. This variance is due to operation of the unit on natural gas, which reduced the unit's need for consumables and maintenance work, compared to the original projection.
- Big Bend Unit 2 SCR: The Big Bend Unit 2 SCR project variance is \$1,268,864 or 77.8 percent less than originally projected. This variance is due to operation of the unit on natural gas, which reduced the use of consumables and need for maintenance work, compared to the original projection.
- Big Bend Unit 3 SCR: The Big Bend Unit 3 SCR project
 variance is \$141,390 or 8.3 percent less than
 projected. This variance is due to greater operation
 on natural gas, compared to the original projection.

• **Big Bend Unit 4 SCR**: The Big Bend Unit 4 SCR project variance is \$410,017 or 38.6 percent less than projected. This variance is due to less total run time estimated when compared to the original projection.

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Mercury Air Toxics Standards: The Mercury Air Toxics
 Standards project variance is \$206,622 or 89.4 percent
 less than projected. Both Polk and Big Bend Power
 Stations achieved Low Emitting Electric Generating Unit
 status in 2017. As a result, monitoring is not required
 at this time, only periodic testing, and the costs were
 lower than originally projected.

- **Big Bend ELG Rule Study**: The Big Bend ELG Study project variance is \$54,007 greater than projected. This variance is due to a delay in completing the study, compared to the original projection. The study has now been completed.
- CCR Rule Phase II: The Big Bend Coal Combustion
 Residual ("CCR") Rule Phase II project variance is
 \$1,367,762 or 22.3 percent less than projected. This
 variance is due to timing differences in the project
 schedule when compared to the original projection.
 Dewatering activities, which must occur before the CCR

disposal, have occurred more slowly than originally projected. The project expenditures are still needed and will be incurred in the future.

Capital Project Variances

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There were significant capital variances for the projects listed below, each of which was due to the TCJA tax rate change from 35 percent to 21 percent.

- Big Bend Unit 3 Flue Gas Desulfurization ("FGD") Integration
- Big Bend Units 1 & 2 FGD
 - BIG Bend FGD Optimization and Utilization
 - Big Bend NOx Emissions Reduction
 - Big Bend Particulate Matter Minimization
- Big Bend Unit 1 SCR
- Big Bend Unit 2 SCR
- Big Bend Unit 3 SCR
 - Big Bend Unit 4 SCR
- Big Bend FGD System Reliability
 - Mercury Air Toxics Standards
 - Big Bend Gypsum Storage Facility
 - CCR Rule Phase I
- As I stated earlier, Tampa Electric updated the tax multiplier utilized in the determination of the equity

| | 1 | |
|----|----|---|
| 1 | | component of the revenue requirement rate of return and |
| 2 | | applied the lower tax rate in the calculation of revenue |
| 3 | | requirements for the ECRC capital projects for the period |
| 4 | | January 2018 through December 2018. |
| 5 | | |
| 6 | Q. | Does this conclude your direct testimony? |
| 7 | | |
| 8 | A. | Yes, it does. |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
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DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-2

INDEX

TAMPA ELECTRIC COMPANY

ENVIRONMENTAL COST RECOVERY CLAUSE

ACTUAL/ESTIMATED TRUE-UP AMOUNT

FOR THE PERIOD

JANUARY 2018 THROUGH DECEMBER 2018

FORMS 42-1E THROUGH 42-9E

| DOCUMENT NO. | TITLE | PAGE |
|--------------|------------|------|
| 1 | FORM 42-1E | 16 |
| 2 | FORM 42-2E | 17 |
| 3 | FORM 42-3E | 18 |
| 4 | FORM 42-4E | 19 |
| 5 | FORM 42-5E | 20 |
| 6 | FORM 42-6E | 21 |
| 7 | FORM 42-7E | 22 |
| 8 | FORM 42-8E | 23 |
| 9 | FORM 42-9E | 52 |

Form 42 - 1E Tampa Electric Company **Environmental Cost Recovery Clause** Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018 (in Dollars) Period Line Amount 1. Over/(Under) Recovery for the Current Period \$13,259,531 (Form 42-2E, Line 5) 2. Interest Provision (Form 42-2E, Line 6) 212,255 3. Sum of Current Period Adjustments (Form 42-2E, Line 10) 0 4. Current Period True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2019 to December 2019 \$13,471,786 (Lines 1 + 2 + 3)

DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-2, DOCUMENT NO. 1, PAGE 1 OF 1

Current Period True-Up Amount (in Dollars)

| Line | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|
| ECRC Revenues (net of Revenue Taxes) True-Up Provision ECRC Revenues Applicable to Period (Lines 1 + 2) | \$5,299,826 508,445 5,808,271 | \$4,794,184 508,445 5,302,629 | \$4,754,839 508,445 5,263,284 | \$4,804,461 508,445 5,312,906 | \$5,074,853 508,445 5,583,298 | \$5,873,006 508,445 6,381,451 | \$6,540,375 508,445 7,048,820 | \$6,493,000 508,445 7,001,445 | \$6,689,809 508,445 7,198,254 | \$5,928,024 508,445 6,436,469 | \$4,939,446 508,445 5,447,891 | \$4,863,661 508,449 5,372,110 | \$66,055,485 6,101,344 72,156,829 |
| Jurisdictional ECRC Costs O & M Activities (Form 42-5E, Line 9) Capital Investment Projects (Form 42-7E, Line 9) Total Jurisdictional ECRC Costs | 1,874,870 3,891,399 5,766,269 | 2,166,060 3,881,399 6,047,459 | 1,373,137 3,871,500 5,244,637 | 959,540 3,861,963 4,821,503 | 1,185,543 3,853,761 5,039,304 | 743,043 3,845,686 4,588,729 | 405,177 3,837,676 4,242,853 | 403,175 3,832,830 4,236,005 | 395,441 3,832,706 4,228,147 | 910,226 3,832,257 4,742,483 | 1,021,725 3,827,035 4,848,760 | 1,269,328 3,821,820 5,091,148 | 12,707,265 46,190,032 58,897,297 |
| 5. Over/Under Recovery (Line 3 - Line 4c) | 42,002.00 | (744,830) | 18,647 | 491,403 | 543,994.00 | 1,792,722.00 | 2,805,967.00 | 2,765,440.00 | 2,970,107.00 | 1,693,986.00 | 599,131.00 | 280,962 | 13,259,531 |
| 6. Interest Provision (Form 42-3E, Line 10) | 9,356 | 8,341 | 8,197 | 8,382 | 8,410 | 9,750 | 14,605 | 20,780 | 25,636 | 30,994 | 33,941 | 33,863 | 212,255 |
| Beginning Balance True-Up & Interest Provision ¹ a. Deferred True-Up from January to December 2018 (Order No. PSC-2018-0014-FOF-EI) | 6,101,344 1,498,666 | 5,644,257 1,498,666 | 4,399,323 1,498,666 | 3,917,722 1,498,666 | 3,909,062 1,498,666 | 3,953,021 1,498,666 | 5,247,048 1,498,666 | 7,559,175 1,498,666 | 9,836,950 1,498,666 | 12,324,248 1,498,666 | 13,540,783 1,498,666 | 13,665,410 1,498,666 | 6,101,344 1,498,666 |
| 8. True-Up Collected/(Refunded) (see Line 2) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,449) | (6,101,344) |
| 9. End of Period Total True-Up (Lines 5+6+7+7a+8) | 7,142,923 | 5,897,989 | 5,416,388 | 5,407,728 | 5,451,687 | 6,745,714 | 9,057,841 | 11,335,616 | 13,822,914 | 15,039,449 | 15,164,076 | 14,970,452 | 14,970,452 |
| 10. Adjustment to Period True-Up Including Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. End of Period Total True-Up (Lines 9 + 10) * | \$7,142,923 | \$5,897,989 | \$5,416,388 | \$5,407,728 | \$5,451,687 | \$6,745,714 | \$9,057,841 | \$11,335,616 | \$13,822,914 | \$15,039,449 | \$15,164,076 | \$14,970,452 | \$14,970,452 |

Form 42 - 2E

Interest Provision (in Dollars)

| Line | - | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|--|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Beginning True-Up Amount (Form 42-2E, Line 7 + 7a + 10) | \$7,600,010 | \$7,142,923 | \$5,897,989 | \$5,416,388 | \$5,407,728 | \$5,451,687 | \$6,745,714 | \$9,057,841 | \$11,335,616 | \$13,822,914 | \$15,039,449 | \$15,164,076 | |
| 2. | Ending True-Up Amount Before Interest | 7,133,567 | 5,889,648 | 5,408,191 | 5,399,346 | 5,443,277 | 6,735,964 | 9,043,236 | 11,314,836 | 13,797,278 | 15,008,455 | 15,130,135 | 14,936,589 | |
| 3. | Total of Beginning & Ending True-Up (Lines 1 + 2) | 14,733,577 | 13,032,571 | 11,306,180 | 10,815,734 | 10,851,005 | 12,187,651 | 15,788,950 | 20,372,677 | 25,132,894 | 28,831,369 | 30,169,584 | 30,100,665 | |
| 4. | Average True-Up Amount (Line 3 x 1/2) | 7,366,789 | 6,516,286 | 5,653,090 | 5,407,867 | 5,425,503 | 6,093,826 | 7,894,475 | 10,186,339 | 12,566,447 | 14,415,685 | 15,084,792 | 15,050,333 | |
| 5. | Interest Rate (First Day of Reporting Business Month) | 1.58% | 1.46% | 1.62% | 1.86% | 1.85% | 1.86% | 1.98% | 2.45% | 2.45% | 2.45% | 2.70% | 2.70% | |
| 6. | Interest Rate (First Day of Subsequent Business Month) | 1.46% | 1.62% | 1.86% | 1.85% | 1.86% | 1.98% | 2.45% | 2.45% | 2.45% | 2.70% | 2.70% | 2.70% | |
| 7. | Total of Beginning & Ending Interest Rates (Lines 5 + 6) | 3.04% | 3.08% | 3.48% | 3.71% | 3.71% | 3.84% | 4.43% | 4.90% | 4.90% | 5.15% | 5.40% | 5.40% | |
| 8. | Average Interest Rate (Line 7 x 1/2) | 1.520% | 1.540% | 1.740% | 1.855% | 1.855% | 1.920% | 2.215% | 2.450% | 2.450% | 2.575% | 2.700% | 2.700% | |
| 9. | Monthly Average Interest Rate (Line 8 x 1/12) | 0.127% | 0.128% | 0.145% | 0.155% | 0.155% | 0.160% | 0.185% | 0.204% | 0.204% | 0.215% | 0.225% | 0.225% | |
| 10. | Interest Provision for the Month (Line 4 x Line 9) | \$9,356 | \$8,341 | \$8,197 | \$8,382 | \$8,410 | \$9,750 | \$14,605 | \$20,780 | \$25,636 | \$30,994 | \$33,941 | \$33,863 | \$212,255 |

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Variance Report of O & M Activities

(In Dollars)

| | | (1) | (2) Original | (3) Variance | (4) |
|------|---|--------------------|------------------|-----------------|---------|
| Line | _ | Actual / Estimated | Projection | Amount | Percent |
| | Design the COMMAN Street | | | | |
| 1. | Description of O&M Activities a. Big Bend Unit 3 FGD Integration | \$1,894,681 | \$4,423,789 | (\$2,529,108) | -57.2% |
| | b. Big Bend Units 1 & 2 Flue Gas Conditioning | \$1,094,001 0 | \$4,423,789 0 | (\$2,529,100) | 0.0% |
| | c. SO_2 Emissions Allowances | (98) | 9,151 | (9,249) | -101.1% |
| | d. Big Bend Units 1 & 2 FGD | 570,804 | 2,200,000 | (1,629,196) | -74.1% |
| | e. Big Bend PM Minimization and Monitoring | 406,562 | 611,283 | (204,721) | -33.5% |
| | f. Big Bend NO _x Emissions Reduction | 78,693 | 138,956 | (60,263) | -43.4% |
| | g. NPDES Annual Surveillance Fees | 35,883 | 34,500 | 1,383 | 4.0% |
| | h. Gannon Thermal Discharge Study | 0 | 0 | 0 | 0.0% |
| | i. Polk NO _x Emissions Reduction | 5,317 | 19,988 | (14,671) | -73.4% |
| | j. Bayside SCR Consumables | 111,102 | 203,882 | (92,779) | -45.5% |
| | k. Big Bend Unit 4 SOFA | 0 | 37,200 | (37,200) | -100.0% |
| | I. Big Bend Unit 1 Pre-SCR | 39 | 37,200 | (37,161) | -99.9% |
| | m. Big Bend Unit 2 Pre-SCR | 1,450 | 37,200 | (35,750) | -96.1% |
| | n. Big Bend Unit 3 Pre-SCR | 3,808 | 37,200 | (33,392) | -89.8% |
| | Clean Water Act Section 316(b) Phase II Study | 74,158 | 321,000 | (246,842) | -76.9% |
| | p. Arsenic Groundwater Standard Program | 0 | 0 | 0 | 0.0% |
| | q. Big Bend 1 SCR | 351,102 | 1,498,585 | (1,147,483) | -76.6% |
| | r. Big Bend 2 SCR | 361,113 | 1,629,977 | (1,268,864) | -77.8% |
| | s. Big Bend 3 SCR | 1,553,384 | 1,694,774 | (141,390) | -8.3% |
| | t. Big Bend 4 SCR | 651,145 | 1,061,162 | (410,017) | -38.6% |
| | u. Mercury Air Toxics Standards | 24,378 | 231,000 | (206,622) | -89.4% |
| | v. Greenhouse Gas Reduction Program | 95,974 | 93,149 | 2,825 | 3.0% |
| | w. Big Bend Gypsum Storage Facility | 1,638,273 | 1,663,000 | (24,727) | -1.5% |
| | x. CCR Rule - Phase I | 38,250 | 0 | 38,250 | N/A |
| | y. Big Bend ELG Rule Study | 54,007 | 0 | 54,007 | N/A |
| | z. CCR Rule - Phase II | 4,757,238 | 6,125,000 | (1,367,762) | -22.3% |
| | aa. Big Bend Unit 1 Section 316(b) Impingement Mortality | 0 | 0 | 0 | 0.0% |
| | ab. Big Bend ELG Rule Compliance Program | 0 | 0 | 0 | 0.0% |
| 2. | Total Investment Projects - Recoverable Costs | \$12,707,265 | \$22,107,996 | (\$9,400,732) | -42.5% |
| 3. | Recoverable Costs Allocated to Energy | \$12,597,223 | \$21,752,496 | (\$9,155,273) | -42.1% |
| 4. | Recoverable Costs Allocated to Demand | \$110,042 | \$355,500 | (\$245,459) | -69.0% |

Notes:

Column (1) is the End of Period Totals on Form 42-5E.

Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-2018-0014-FOF-EI. Column (3) = Column (1) - Column (2) Column (4) = Column (3) / Column (2)

O&M Activities (in Dollars)

| | | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | End of Period | Mathedal | Classification |
|------|---|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|------------|------------|-------------|-------------|------------------|-----------|----------------|
| Line | | January | February | March | April | May | June | July | August | September | October | November | December | Total | Demand | Energy |
| 1. | Description of O&M Activities | | | | | | | | | | | | | | | |
| | a. Big Bend Unit 3 FGD Integration | 452,214 | 273,733 | 291,066 | 358,824 | 331,130 | 187,714 | 0 | 0 | 0 | 0 | 0 | 0 | 1,894,681 | | \$1,894,681 |
| | b. Big Bend Units 1 & 2 Flue Gas Conditioning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | c. SO ₂ Emissions Allowances | (34) | 5 | 8 | (16) | 22 | (83) | 0 | 0 | 0 | 0 | 0 | 0 | (98) | | (98) |
| | d. Big Bend Units 1 & 2 FGD | 17,413 | 66,376 | 55,024 | 54,100 | 100,066 | 19,825 | 43,000 | 43,000 | 43,000 | 43,000 | 43,000 | 43,000 | 570,804 | | 570,804 |
| | e. Big Bend PM Minimization and Monitoring | 52,762 | 44,712 | 67,899 | 54,273 | 45,912 | 27,938 | 15,000 | 15,000 | 8,065 | 25,000 | 25,000 | 25,000 | 406,562 | | 406,562 |
| | f. Big Bend NO_x Emissions Reduction | 37 | 34,122 | 266 | 2,757 | 78 | 29,434 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 78,693 | | 78,693 |
| | g. NPDES Annual Surveillance Fees | 34,500 | 0 | 0 | 0 | 0 | 1,383 | 0 | 0 | 0 | 0 | 0 | 0 | 35,883 | \$35,883 | |
| | h. Gannon Thermal Discharge Study | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | i. Polk NO _x Emissions Reduction | 688 | 853 | 440 | 0 | 0 | 35 | 950 | 950 | 400 | 0 | 250 | 750 | 5,317 | | 5,317 |
| | j. Bayside SCR and Ammonia | 16,454 | 3,210 | 8,560 | 12,325 | 3,210 | 11,843 | 12,500 | 10,000 | 9,000 | 8,000 | 8,000 | 8,000 | 111,102 | | 111,102 |
| | k. Big Bend Unit 4 SOFA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | I. Big Bend Unit 1 Pre-SCR | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | | 39 |
| | m. Big Bend Unit 2 Pre-SCR | 635 | 0 | 0 | 815 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,450 | | 1,450 |
| | n. Big Bend Unit 3 Pre-SCR | 0 | 0 | 0 174 | 0 | 3,714 | 94 9 | 0 | 0 | 0 | 0 | 0 | 0 | 3,808 | 74.450 | 3,808 |
| | Clean Water Act Section 316(b) Phase II Study Arsenic Groundwater Standard Program | 4,499 0 | 14,303 0 | 174 | 21,348 0 | 75 0 | 9 | 0 | 1,250 | 1,250 0 | 1,250 0 | 12,500 0 | 17,500 0 | 74,158 0 | 74,158 | |
| | | 6.777 | 18,340 | 3.087 | 32.717 | 33,063 | 14,694 | 40,801 | 41,277 | 39.690 | 50,168 | 24.607 | 45.881 | 351.102 | 0 | 351.102 |
| | q. Big Bend 1 SCR r. Big Bend 2 SCR | 4.267 | 6.863 | 6,549 | 54,763 | 9.514 | 7.682 | 40,801 | 45,722 | 47.627 | 60,328 | 24,607 | 47,786 | 361,102 | | 361.113 |
| | s. Big Bend 3 SCR | 125,936 | 154,048 | 270,635 | 166,420 | 280,869 | 192,408 | 60,405 | 60,722 | 62.627 | 33,098 | 83,425 | 62,791 | 1,553,384 | | 1,553,384 |
| | t. Big Bend 4 SCR | 58,197 | 89,093 | 46,317 | 54,593 | 33,834 | 55,218 | 51,866 | 50,754 | 48,532 | 54,882 | 65,836 | 42,023 | 651,145 | | 651,145 |
| | u. Mercury Air Toxics Standards | 00,107 | 00,000 | 7.823 | 55 | 00,004 | 00,210 | 3,250 | 2.500 | 3.250 | 2,500 | 2,500 | 2,500 | 24.378 | | 24.378 |
| | v. Greenhouse Gas Reduction Program | 2.825 | 0 | 0 | 0 | 93,149 | ů 0 | 0,200 | 2,000 | 0,200 | 2,000 | 2,000 | 2,000 | 95,974 | | 95,974 |
| | w. Big Bend Gypsum Storage Facility (East 40) | 163,867 | 110.837 | 59,289 | 124,795 | 239.532 | 159.952 | 130.000 | 130.000 | 130.000 | 130,000 | 130,000 | 130.000 | 1,638,273 | | 1.638.273 |
| | x. CCR Rule - Phase I | (3,500) | 14,103 | 14,033 | 1,844 | 9,875 | 1,895 | 0 | 0 | 0 | 0 | 0 | 0 | 38,250 | | 38,250 |
| | y. Big Bend ELG Rule Study | 0 | 11,472 | 0 | 9,832 | 0 | 32,703 | 0 | 0 | 0 | 0 | 0 | 0 | 54,007 | | 54,007 |
| | z. CCR Rule - Phase II | 937,333 | 1,323,990 | 541,927 | 10,095 | 1,500 | 297 | 0 | 0 | 0 | 500,000 | 600,000 | 842,097 | 4,757,238 | | 4,757,238 |
| | aa. BB Unit 1 Section 316(b) Impingement Mortality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | ab. Big Bend ELG Rule Compliance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 2. | Total of O&M Activities | 1,874,870 | 2,166,060 | 1,373,137 | 959,540 | 1,185,543 | 743,043 | 405,177 | 403,175 | 395,441 | 910,226 | 1,021,725 | 1,269,328 | 12,707,265 | \$110,042 | \$12,597,223 |
| 3. | Recoverable Costs Allocated to Energy | 1,835,871 | 2,151,757 | 1,372,963 | 938,192 | 1,185,468 | 741,650 | 405,177 | 401,925 | 394,191 | 908,976 | 1,009,225 | 1,251,828 | 12,597,223 | | |
| 4. | Recoverable Costs Allocated to Demand | 38,999 | 14,303 | 174 | 21,348 | 75 | 1,393 | 0 | 1,250 | 1,250 | 1,250 | 12,500 | 17,500 | 110,042 | | |
| 5. | Retail Energy Jurisdictional Factor | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| 6. | Retail Demand Jurisdictional Factor | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| 7. | Jurisdictional Energy Recoverable Costs (A) | 1,835,871 | 2,151,757 | 1,372,963 | 938,192 | 1,185,468 | 741,650 | 405,177 | 401,925 | 394,191 | 908,976 | 1,009,225 | 1,251,828 | 12,597,223 | | Х С О |
| 8. | Jurisdictional Demand Recoverable Costs (B) | 38,999 | 14,303 | 174 | 21,348 | 75 | 1,393 | 0 | 1,250 | 1,250 | 1,250 | 12,500 | 17,500 | 110,042 | | тло |
| 9. | Total Jurisdictional Recoverable Costs for O&M | | | | | | | | | | | | | | | |
| | Activities (Lines 7 + 8) | \$1,874,870 | \$2,166,060 | \$1,373,137 | \$959,540 | \$1,185,543 | \$743,043 | \$405,177 | \$403,175 | 395,441 | 910,226 | \$1,021,725 | \$1,269,328 | \$12,707,265 | | IT N ET |

DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-2, DOCUMENT NO. 5, PAGE 1 OF 1

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Variance Report of Capital Investment Projects - Recoverable Costs

(In Dollars)

| | | (1) | (2) Original | (3) Varianc | (4) e |
|------|--|--------------------|-----------------|----------------|----------|
| Line | | Actual / Estimated | Projection | Amount | Percent |
| | - | | | | |
| 1. | Description of Investment Projects | *** * | | | |
| | a. Big Bend Unit 3 FGD Integration | \$960,478 | \$1,063,216 | (\$102,738) | -9.7% |
| | b. Big Bend Units 1 & 2 Flue Gas Conditioning | 249,611 | 280,951 | (31,340) | -11.2% |
| | c. Big Bend Unit 4 Continuous Emissions Monitors | 51,106 | 55,016 | (3,910) | -7.1% |
| | d. Big Bend Fuel Oil Tank No. 1 Upgrade | 55,003 | 35,856 | 19,147 | 53.4% |
| | e. Big Bend Fuel Oil Tank No. 2 Upgrade | 90,462 | 58,969 | 31,493 | 53.4% |
| | f. Big Bend Unit 1 Classifier Replacement | 80,406 | 85,047 | (4,641) | -5.5% |
| | g. Big Bend Unit 2 Classifier Replacement | 58,125 | 61,751 | (3,626) | -5.9% |
| | h. Big Bend Section 114 Mercury Testing Platform | 8,561 | 9,406 | (845) | -9.0% |
| | i. Big Bend Units 1 & 2 FGD | 6,053,972 | 6,674,906 | (620,934) | -9.3% |
| | j. Big Bend FGD Optimization and Utilization | 1,554,594 | 1,712,875 | (158,281) | -9.2% |
| | k. Big Bend NO _x Emissions Reduction | 499,295 | 562,354 | (63,059) | -11.2% |
| | I. Big Bend PM Minimization and Monitoring | 1,809,236 | 1,989,614 | (180,378) | -9.1% |
| | m. Polk NO _x Emissions Reduction | 113,291 | 123,356 | (10,065) | -8.2% |
| | n. Big Bend Unit 4 SOFA | 198,216 | 218,523 | (20,307) | -9.3% |
| | o. Big Bend Unit 1 Pre-SCR | 137,627 | 149,608 | (11,981) | -8.0% |
| | p. Big Bend Unit 2 Pre-SCR | 130,774 | 142,854 | (12,080) | -8.5% |
| | q. Big Bend Unit 3 Pre-SCR | 233,148 | 256,173 | (23,025) | -9.0% |
| | r. Big Bend Unit 1 SCR | 7,960,486 | 8,698,396 | (737,910) | -8.5% |
| | s. Big Bend Unit 2 SCR | 8,407,134 | 9,195,158 | (788,024) | -8.6% |
| | t. Big Bend Unit 3 SCR | 6,968,976 | 7,628,421 | (659,445) | -8.6% |
| | u. Big Bend Unit 4 SCR | 5,420,471 | 5,919,666 | (499,195) | -8.4% |
| | v. Big Bend FGD System Reliability | 2,080,439 | 2,325,371 | (244,932) | -10.5% |
| | w. Mercury Air Toxics Standards | 824,512 | 928,320 | (103,808) | -11.2% |
| | x. SO ₂ Emissions Allowances | (2,601) | (3,015) | 414 | -13.7% |
| | y. Big Bend Gypsum Storage Facility | 2,073,568 | 2,316,204 | (242,636) | -10.5% |
| | z. CCR Rule - Phase I | 130,505 | 224,233 | (93,728) | -41.8% |
| | aa. CCR Rule - Phase II | 2,298 | 0 | 2,298 | N/A |
| | ab. Big Bend ELG Rule Compliance | 1,410 | 0 | 1,410 | N/A |
| | ac. Big Bend Unit 1 Section 316(b) Impingement Mortality | 38,929 | 0 | 38.929 | N/A |
| | 5 · · · · · · · · · · · · · · · · · · · | | | / | |
| 2. | Total Investment Projects - Recoverable Costs | \$46,190,032 | \$50,713,229 | (\$4,523,197) | -8.9% |
| 3. | Recoverable Costs Allocated to Energy | \$45,871,425 | \$50,394,171 | (\$4,522,746) | -9.0% |
| 4. | Recoverable Costs Allocated to Demand | \$318,607 | \$319,058 | (\$451) | -0.1% |

Notes:

Column (1) is the End of Period Totals on Form 42-7E.

Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-2018-0014-FOF-EI.

Column (3) = Column (1) - Column (2)

Column (4) = Column (3) / Column (2)

Capital Investment Projects-Recoverable Costs (in Dollars)

| | | | | | | | | | | | | | | | End of | | |
|----------|----------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|--------------|
| | | | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | Period | Method of Cla | ssification |
| <u>_</u> | Line | Description (A) | January | February | March | April | May | June | July | August | September | October | November | December | Total | Demand | Energy |
| | | | | | | | | | | | | | | | | | |
| | 1. a. | Big Bend Unit 3 FGD Integration | \$81,171 | \$80,989 | \$80,808 | \$80,626 | \$80,445 | \$80,262 | \$79,814 | \$79,634 | \$79,453 | \$79,273 | \$79,092 | \$78,911 | \$960,478 | | \$960,478 |
| | b. | Big Bend Units 1 and 2 Flue Gas Conditioning | 21,372 | 21,270 | 21,168 | 21,066 | 20,965 | 20,863 | 20,737 | 20,636 | 20,535 | 20,434 | 20,333 | 20,232 | 249,611 | | 249,611 |
| | С. | Big Bend Unit 4 Continuous Emissions Monitors | 4,344 | 4,330 | 4,314 | 4,300 | 4,285 | 4,271 | 4,246 | 4,232 | 4,218 | 4,203 | 4,189 | 4,174 | 51,106 | | 51,106 |
| | d. | Big Bend Fuel Oil Tank No. 1 Upgrade | 2,815 | 2,806 | 2,796 | 2,787 | 2,778 | 2,770 | 6,456 | 6,423 | 6,391 | 6,359 | 6,327 | 6,295 | 55,003 | \$55,003 | |
| | e. | Big Bend Fuel Oil Tank No. 2 Upgrade | 4,629 | 4,614 | 4,600 | 4,584 | 4,570 | 4,555 | 10,617 | 10,564 | 10,511 | 10,459 | 10,406 | 10,353 | 90,462 | 90,462 | |
| | f. | Big Bend Unit 1 Classifier Replacement | 6,859 | 6,830 | 6,803 | 6,775 | 6,748 | 6,720 | 6,680 | 6,653 | 6,626 | 6,599 | 6,570 | 6,543 | 80,406 | | 80,406 |
| | g. | Big Bend Unit 2 Classifier Replacement | 4,954 | 4,934 | 4,915 | 4,896 | 4,877 | 4,858 | 4,830 | 4,810 | 4,791 | 4,773 | 4,753 | 4,734 | 58,125 | | 58,125 |
| | h. | Big Bend Section 114 Mercury Testing Platform | 725 | 722 | 721 | 719 | 717 | 716 | 712 | 709 | 708 | 706 | 704 | 702 | 8,561 | | 8,561 |
| | i. | Big Bend Units 1 & 2 FGD | 514,191 | 512,541 | 510,891 | 509,241 | 507,592 | 505,942 | 503,032 | 501,391 | 499,750 | 498,108 | 496,467 | 494,826 | 6,053,972 | | 6,053,972 |
| | j. | Big Bend FGD Optimization and Utilization | 126,787 | 126,722 | 126,673 | 127,106 | 128,669 | 130,581 | 130,379 | 130,544 | 130,973 | 131,514 | 132,054 | 132,592 | 1,554,594 | | 1,554,594 |
| | k. | Big Bend NO _x Emissions Reduction | 42,042 | 41,978 | 41,914 | 41,850 | 41,785 | 41,721 | 41,494 | 41,430 | 41,366 | 41,302 | 41,239 | 41,174 | 499,295 | | 499,295 |
| | I. | Big Bend PM Minimization and Monitoring | 153,110 | 152,726 | 152,343 | 151,960 | 151,576 | 151,193 | 150,342 | 149,960 | 149,579 | 149,197 | 148,816 | 148,434 | 1,809,236 | | 1,809,236 |
| | m. | Polk NO, Emissions Reduction | 9,607 | 9,579 | 9.551 | 9.524 | 9,496 | 9,467 | 9.414 | 9.386 | 9.358 | 9,331 | 9.303 | 9.275 | 113,291 | | 113,291 |
| | n. | Big Bend Unit 4 SOFA | 16,766 | 16,725 | 16.685 | 16.645 | 16.604 | 16,565 | 16.471 | 16.431 | 16.391 | 16.351 | 16.311 | 16.271 | 198.216 | | 198,216 |
| | 0. | Big Bend Unit 1 Pre-SCR | 11,675 | 11.640 | 11.605 | 11.571 | 11.536 | 11.502 | 11.436 | 11,401 | 11.366 | 11.333 | 11.298 | 11.264 | 137.627 | | 137.627 |
| | n. | Big Bend Unit 2 Pre-SCR | 11,082 | 11.051 | 11,021 | 10,990 | 10.959 | 10,929 | 10.867 | 10.836 | 10.806 | 10.775 | 10,744 | 10,714 | 130,774 | | 130,774 |
| | р. а. | Big Bend Unit 3 Pre-SCR | 19,734 | 19.684 | 19.634 | 19,583 | 19,533 | 19,484 | 19,374 | 19.324 | 19,275 | 19.224 | 19,175 | 19,124 | 233,148 | | 233,148 |
| | | Big Bend Unit 1 SCR | 674,992 | 673,045 | 671.098 | 669,150 | 667,203 | 665,256 | 661,467 | 659,530 | 657,592 | 655,655 | 653,717 | 651,781 | 7.960.486 | | 7.960.486 |
| | s | Big Bend Unit 2 SCR | 712,268 | 710,328 | 708.390 | 706.451 | 704.511 | 702.572 | 698,591 | 696.663 | 694,733 | 692,805 | 690.875 | 688.947 | 8,407,134 | | 8,407,134 |
| | + | Big Bend Unit 3 SCR | 590.325 | 588,737 | 587,150 | 585.562 | 583.973 | 582,386 | 579.090 | 577.510 | 575.930 | 574.351 | 572,771 | 571,191 | 6.968.976 | | 6,968,976 |
| | u. | Big Bend Unit 4 SCR | 456,706 | 455.523 | 454.342 | 453,169 | 452.014 | 450,873 | 449,762 | 449,995 | 450,229 | 450,462 | 449,286 | 448,110 | 5,420,471 | | 5.420.471 |
| | v. | Big Bend FGD System Reliability | 175,463 | 175,139 | 174.817 | 174.494 | 174,170 | 173.847 | 172,889 | 172,567 | 172,245 | 171.924 | 171.603 | 171.281 | 2,080,439 | | 2.080.439 |
| | w. | Mercury Air Toxics Standards | 68,615 | 68,478 | 68.407 | 68.337 | 68,454 | 68,315 | 67,999 | 67,924 | 68,881 | 69,839 | 69.701 | 69.562 | 824,512 | | 824,512 |
| | ¥ | SO ₂ Emissions Allowances (B) | (218) | (218) | (218) | (217) | (217) | (217) | (216) | (216) | (216) | (216) | (216) | (216) | (2,601) | | (2,601) |
| | ×. | Big Bend Gypsum Storage Facility | 174.907 | 174.580 | 174.253 | 173.927 | 173.600 | 173,274 | 172,317 | 171.992 | 171.667 | 171.342 | 171.017 | 170.692 | 2.073.568 | | 2.073.568 |
| | y. Z. | CCR Rule - Phase I | 6.478 | 6.646 | 6.816 | 6.860 | 6,907 | 6,960 | 8,555 | 10,575 | 14.687 | 17.887 | 18.671 | 19,463 | 130,505 | 130,505 | 2,075,500 |
| | | CCR Rule - Phase II | 0,110 | 0,010 | 3 | 7 | 11 | 21 | 86 | 202 | 318 | 434 | 550 | 666 | 2,298 | 2,298 | |
| | ab. | Big Bend ELG Rule Compliance | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0.0 | 157 | 470 | 783 | 1,410 | 1,410 | |
| | ac. | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 235 | 1.724 | 4.543 | 7.676 | 10.809 | 13.942 | 38,929 | 38,929 | |
| | ac. | big bend only i dection or o(b) impingement workality | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 1,724 | 4,545 | 1,010 | 10,003 | 10,042 | 30,323 | 30,323 | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | 2. | Total Investment Projects - Recoverable Costs | 3,891,399 | 3,881,399 | 3,871,500 | 3,861,963 | 3,853,761 | 3,845,686 | 3,837,676 | 3,832,830 | 3,832,706 | 3,832,257 | 3,827,035 | 3,821,820 | 46,190,032 | \$318.607 | \$45,871,425 |
| | | | | | | | | | | | | | | | | | |
| | 3. | Recoverable Costs Allocated to Energy | 3,877,477 | 3,867,333 | 3,857,285 | 3,847,725 | 3,839,495 | 3,831,380 | 3,811,727 | 3,803,342 | 3,796,256 | 3,789,285 | 3,779,802 | 3,770,318 | 45,871,425 | | |
| | 4. | Recoverable Costs Allocated to Demand | 13,922 | 14,066 | 14,215 | 14,238 | 14,266 | 14,306 | 25,949 | 29,488 | 36,450 | 42,972 | 47,233 | 51,502 | 318,607 | | |
| | | | | | | | | | | | | | | | | | |
| | 5. | Retail Energy Jurisdictional Factor | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| | 6. | Retail Demand Jurisdictional Factor | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| | | | | | | | | | | | | | | | | | |
| | 7. | Jurisdictional Energy Recoverable Costs (C) | 3,877,477 | 3,867,333 | 3,857,285 | 3,847,725 | 3,839,495 | 3,831,380 | 3,811,727 | 3,803,342 | 3,796,256 | 3,789,285 | 3,779,802 | 3,770,318 | 45,871,425 | | |
| | 8. | Jurisdictional Demand Recoverable Costs (D) | 13,922 | 14,066 | 14,215 | 14,238 | 14,266 | 14,306 | 25,949 | 29,488 | 36,450 | 42,972 | 47,233 | 51,502 | 318,607 | | |
| | | | | | | | | | | | | | | | · · · · | | |
| | 9. | Total Jurisdictional Recoverable Costs for | | | | | | | | | | | | | | | |
| | | Investment Projects (Lines 7 + 8) | \$3,891,399 | \$3,881,399 | \$3,871,500 | \$3,861,963 | \$3,853,761 | \$3,845,686 | \$3,837,676 | \$3,832,830 | \$3,832,706 | \$3,832,257 | \$3,827,035 | \$3,821,820 | \$46,190,032 | | |
| | | · · · | | | | | | | | | | | | | | | XÖŏ |
| | A1 - 4 | | | | | | | | | | | | | | | | |

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 Notes:

 (A) Each project's Total System Recoverable Expenses on Form 42-8E, Line 9

 (B) Project's Total Return Component on Form 42-8E, Line 6

 (C) Line 3 x Line 5

 (D) Line 4 x Line 6

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 3 FGD Integration (in Dollars)

| | | Beginning of | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | End of Period |
|------|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| Line | Description | Period Amount | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other - AFUDC (excl from CWIP) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | \$13,763,081 | |
| 3. | Less: Accumulated Depreciation | (5,440,288) | (5,469,125) | (5,497,962) | (5,526,799) | (5,555,636) | (5,584,473) | (5,613,310) | (5,642,147) | (5,670,984) | (5,699,821) | (5,728,658) | (5,757,495) | (5,786,332) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$8,322,793 | 8,293,956 | 8,265,119 | 8,236,282 | 8,207,445 | 8,178,608 | 8,149,771 | 8,120,934 | 8,092,097 | 8,063,260 | 8,034,423 | 8,005,586 | 7,976,749 | |
| 6. | Average Net Investment | | 8,308,375 | 8,279,538 | 8,250,701 | 8,221,864 | 8,193,027 | 8,164,190 | 8,135,353 | 8,106,516 | 8,077,679 | 8,048,842 | 8,020,005 | 7,991,168 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$39,900 | \$39,761 | \$39,623 | \$39,484 | \$39,346 | \$39,207 | \$39,362 | \$39,223 | \$39,083 | \$38,944 | \$38,804 | \$38,665 | \$471,402 |
| | b. Debt Component Grossed Up For Taxes (C) | | 12,434 | 12,391 | 12,348 | 12,305 | 12,262 | 12,218 | 11,615 | 11,574 | 11,533 | 11,492 | 11,451 | 11,409 | 143,032 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$28,837 | \$346,044 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 81,171 | 80,989 | 80,808 | 80,626 | 80,445 | 80,262 | 79,814 | 79,634 | 79,453 | 79,273 | 79,092 | 78,911 | 960,478 |
| | Recoverable Costs Allocated to Energy | | 81,171 | 80,989 | 80,808 | 80,626 | 80,445 | 80,262 | 79,814 | 79,634 | 79,453 | 79,273 | 79,092 | 78,911 | 960,478 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 81.171 | 80,989 | 80,808 | 80,626 | 80,445 | 80,262 | 79,814 | 79,634 | 79,453 | 79,273 | 79,092 | 78,911 | 960,478 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 00,020 | 0 | 00,202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) | \$81,171 | \$80,989 | \$80,808 | \$80,626 | \$80,445 | \$80,262 | \$79,814 | \$79,634 | \$79,453 | \$79,273 | \$79,092 | \$78,911 | \$960,478 |

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Notes: (A) Applicable depreciable base for Big Bend; accounts 312.45 (\$13,435,775) and 315.45 (\$327,307) (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 2.5% and 3.1%
 (E) Line 9a x Line 10

(F) Line 9b x Line 11

DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-2, DOCUMENT NO. 8, PAGE 1 OF 29

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Units 1 and 2 Flue Gas Conditioning (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | \$5,017,734 | |
| 3. | Less: Accumulated Depreciation | (4,179,278) | (4,195,419) | (4,211,560) | (4,227,701) | (4,243,842) | (4,259,983) | (4,276,124) | (4,292,265) | (4,308,406) | (4,324,547) | (4,340,688) | (4,356,829) | (4,372,970) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$838,456 | 822,315 | 806,174 | 790,033 | 773,892 | 757,751 | 741,610 | 725,469 | 709,328 | 693,187 | 677,046 | 660,905 | 644,764 | |
| 6. | Average Net Investment | | 830,386 | 814,245 | 798,104 | 781,963 | 765,822 | 749,681 | 733,540 | 717,399 | 701,258 | 685,117 | 668,976 | 652,835 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$3,988 | \$3,910 | \$3,833 | \$3,755 | \$3,678 | \$3,600 | \$3,549 | \$3,471 | \$3,393 | \$3,315 | \$3,237 | \$3,159 | \$42,888 |
| | b. Debt Component Grossed Up For Taxes (C) | | 1,243 | 1,219 | 1,194 | 1,170 | 1,146 | 1,122 | 1,047 | 1,024 | 1,001 | 978 | 955 | 932 | 13,031 |
| 8 | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$16,141 | \$193,692 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 21,372 | 21,270 | 21,168 | 21,066 | 20,965 | 20,863 | 20,737 | 20,636 | 20,535 | 20,434 | 20,333 | 20,232 | 249,611 |
| | a. Recoverable Costs Allocated to Energy | | 21,372 | 21,270 | 21,168 | 21,066 | 20,965 | 20,863 | 20,737 | 20,636 | 20,535 | 20,434 | 20,333 | 20,232 | 249,611 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 10. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | | | | | | | | | | | | | | | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 21,372 | 21,270 | 21,168 | 21,066 | 20,965 | 20,863 | 20,737 | 20,636 | 20,535 | 20,434 | 20,333 | 20,232 | 249,611 |
| 13. | Retail Demand-Related Recoverable Costs (F) | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 3) | \$21,372 | \$21,270 | \$21,168 | \$21,066 | \$20,965 | \$20,863 | \$20,737 | \$20,636 | \$20,535 | \$20,434 | \$20,333 | \$20,232 | \$249,611 |

 Notes:
 (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$2,676,217) and 312.42 (\$2,341,517)

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 4.0% and 3.7%
 (E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 4 Continuous Emissions Monitors (in Dollars)

| Investments S0 | Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|---|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| a. Expenditures/Additions S0 | 1. | Investments | | | | | | | | | | | | | | |
| b. Clearings to Plant 0 | | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| d. Other 0< | | | | 0 | | | | | | | 0 | | | | | |
| Letter Letter Column of the column of | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3. Less: Accumulated Depreciation $(42, 475)$ $(542, 475)$ $(542, 475)$ $(562, 425)$ | | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4. CWIP-Non-Interest Bearing Col Col <th< td=""><td>2.</td><td>Plant-in-Service/Depreciation Base (A)</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td>\$866,211</td><td></td></th<> | 2. | Plant-in-Service/Depreciation Base (A) | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | \$866,211 | |
| 5. Net Investment (Lines 2 + 3 + 4) \$332,046 321,736 319,426 317,116 314,806 312,496 310,186 307,876 305,566 303,256 300,946 296,536 296,326 6. Average Net Investment 322,891 320,581 318,271 315,961 313,651 311,341 309,031 306,721 304,411 302,101 299,791 297,481 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) b. Debte Component Grossed Up For Taxes (B) b. Average Net Investment a. Equity Component Grossed Up For Taxes (B) b. Amorization 0 \$1,551 \$1,540 \$1,528 \$1,517 \$1,506 \$1,495 \$1,484 \$1,473 \$1,462 \$1,451 \$1,439 \$1,7941 8. Investment Expenses a. Depreciation (D) b. Amorization 0< | 3. | Less: Accumulated Depreciation | (542,165) | (544,475) | (546,785) | (549,095) | (551,405) | (553,715) | (556,025) | (558,335) | (560,645) | (562,955) | (565,265) | (567,575) | (569,885) | |
| 6. Average Net Investment 322,891 320,581 318,271 315,961 313,651 311,341 309,031 306,721 304,411 302,101 299,791 297,481 7. Return on Average Net Investment Equity Component Grossed Up For Taxes (B) Debt Component Grossed Up For Taxes (C) \$1,551 \$1,540 \$1,528 \$1,517 \$1,506 \$1,495 \$1,495 \$1,484 \$1,473 \$1,462 \$1,451 \$1,439 \$17,941 b. Debt Component Grossed Up For Taxes (C) 483 480 476 473 469 466 441 438 \$1,473 \$1,462 \$1,451 \$1,499 \$17,941 b. Investment Expenses appreciation (D) \$2,310 | 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | | 0 | | | | 0 | | | | | |
| 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) b. Debt Component Grossed Up For Taxes (C) \$1,551 \$1,528 \$1,517 \$1,506 \$1,495 \$1,495 \$1,484 \$1,473 \$1,462 \$1,451 \$1,439 \$17,941 b. Debt Component Grossed Up For Taxes (C) 483 480 476 477 469 466 441 438 \$1,451 \$1,451 \$1,439 \$17,941 b. Debt Component Grossed Up For Taxes (C) 483 480 \$2,310 <td>5.</td> <td>Net Investment (Lines 2 + 3 + 4)</td> <td>\$324,046</td> <td>321,736</td> <td>319,426</td> <td>317,116</td> <td>314,806</td> <td>312,496</td> <td>310,186</td> <td>307,876</td> <td>305,566</td> <td>303,256</td> <td>300,946</td> <td>298,636</td> <td>296,326</td> <td></td> | 5. | Net Investment (Lines 2 + 3 + 4) | \$324,046 | 321,736 | 319,426 | 317,116 | 314,806 | 312,496 | 310,186 | 307,876 | 305,566 | 303,256 | 300,946 | 298,636 | 296,326 | |
| a. Equity Component Grossed Up For Taxes (B) \$1,551 \$1,560 \$1,528 \$1,517 \$1,506 \$1,495 \$1,495 \$1,495 \$1,495 \$1,473 \$1,462 \$1,451 \$1,439 \$17,941 b. Debt Component Grossed Up For Taxes (C) \$433 \$480 \$1,528 \$1,517 \$1,506 \$1,495 \$1,495 \$1,495 \$1,495 \$1,473 \$1,452 \$1,451 | 6. | Average Net Investment | | 322,891 | 320,581 | 318,271 | 315,961 | 313,651 | 311,341 | 309,031 | 306,721 | 304,411 | 302,101 | 299,791 | 297,481 | |
| b. Debt Component Grossed Up For Taxes (C) 483 480 476 473 469 466 441 438 435 431 428 425 5,445 8. Investment Expenses a. Depreciation (D) \$2,310 | 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| 8. Investment Expenses a. Depreciation (D) b. Amorization \$2,310 | | a. Equity Component Grossed Up For Taxes (B) | | \$1,551 | \$1,540 | \$1,528 | \$1,517 | \$1,506 | \$1,495 | \$1,495 | \$1,484 | \$1,473 | \$1,462 | \$1,451 | \$1,439 | \$17,941 |
| a. Depreciation (D) \$2,310 | | b. Debt Component Grossed Up For Taxes (C) | | 483 | 480 | 476 | 473 | 469 | 466 | 441 | 438 | 435 | 431 | 428 | 425 | 5,445 |
| b. Amortization 0 | 8. | Investment Expenses | | | | | | | | | | | | | | |
| c. Dismantlement 0 | | a. Depreciation (D) | | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$2,310 | \$27,720 |
| d. Property Taxes 0 | | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. Other 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Solution Solutity is antingeoid of thead and and and and and and and and and a | | | | 0 | - | - | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| a. Recoverable Costs Allocated to Energy 4,344 4,330 4,314 4,300 4,285 4,271 4,246 4,232 4,218 4,203 4,189 4,174 51,106 b. Recoverable Costs Allocated to Demand 0 | | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| b. Recoverable Costs Allocated to Demand 0 <td>9.</td> <td></td> | 9. | | | | | | | | | | | | | | | |
| 10. Energy Jurisdictional Factor 1.0000000 1. | | | | | | | | | | | | | | | | |
| 11. Demand Jurisdictional Factor 1.0000000 1. | | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. Retail Energy-Related Recoverable Costs (E) 4,344 4,330 4,314 4,300 4,285 4,271 4,246 4,232 4,218 4,203 4,189 4,174 51,106 13. Retail Demand-Related Recoverable Costs (F) 0 <t< td=""><td>10.</td><td>Energy Jurisdictional Factor</td><td></td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td>1.0000000</td><td></td></t<> | 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 13. Retail Demand-Related Recoverable Costs (F) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | 12. | Retail Energy-Related Recoverable Costs (E) | | 4,344 | 4,330 | 4,314 | 4,300 | 4,285 | 4,271 | 4,246 | 4,232 | 4,218 | 4,203 | 4,189 | 4,174 | 51,106 |
| 14. Total Jurisdictional Recoverable Costs (Lines 12 + 13) \$4,344 \$4,330 \$4,314 \$4,300 \$4,285 \$4,271 \$4,246 \$4,232 \$4,218 \$4,203 \$4,189 \$4,174 \$51,106 | 13. | | _ | 0 | | | | | | | 0 | | | | | |
| | 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 3) | \$4,344 | \$4,330 | \$4,314 | \$4,300 | \$4,285 | \$4,271 | \$4,246 | \$4,232 | \$4,218 | \$4,203 | \$4,189 | \$4,174 | \$51,106 |

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 Notes:

 (A) Applicable depreciable base for Big Bend; account 315.44
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.2%
(E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Fuel Oil Tank No. 1 Upgrade (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|---------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | \$497,578 | |
| 3. | Less: Accumulated Depreciation | (273,952) | (275,362) | (276,772) | (278,182) | (279,592) | (281,002) | (282,412) | (287,535) | (292,658) | (297,781) | (302,904) | (308,027) | (313,150) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$223,626 | 222,216 | 220,806 | 219,396 | 217,986 | 216,576 | 215,166 | 210,043 | 204,920 | 199,797 | 194,674 | 189,551 | 184,428 | |
| 6. | Average Net Investment | | 222,921 | 221,511 | 220,101 | 218,691 | 217,281 | 215,871 | 212,605 | 207,482 | 202,359 | 197,236 | 192,113 | 186,990 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$1,071 | \$1,064 | \$1,057 | \$1,050 | \$1,043 | \$1,037 | \$1,029 | \$1,004 | \$979 | \$954 | \$930 | \$905 | \$12,123 |
| | b. Debt Component Grossed Up For Taxes (C) | | 334 | 332 | 329 | 327 | 325 | 323 | 304 | 296 | 289 | 282 | 274 | 267 | 3,682 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$1,410 | \$1,410 | \$1,410 | \$1,410 | \$1,410 | \$1,410 | \$5,123 | \$5,123 | \$5,123 | \$5,123 | \$5,123 | \$5,123 | \$39,198 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 2,815 | 2,806 | 2,796 | 2,787 | 2,778 | 2,770 | 6,456 | 6,423 | 6,391 | 6,359 | 6,327 | 6,295 | 55,003 |
| | Recoverable Costs Allocated to Energy | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | b. Recoverable Costs Allocated to Demand | | 2,815 | 2,806 | 2,796 | 2,787 | 2,778 | 2,770 | 6,456 | 6,423 | 6,391 | 6,359 | 6,327 | 6,295 | 55,003 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.00000000 | 1.0000000 | 1.0000000 | 1.00000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Retail Demand-Related Recoverable Costs (E) | | 2.815 | 2.806 | 2,796 | 2,787 | 2,778 | 2,770 | 6,456 | 6,423 | 6,391 | 6.359 | 6,327 | 6,295 | 55,003 |
| 13. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | | \$2,815 | \$2,806 | \$2,796 | \$2,787 | \$2,778 | \$2,770 | \$6,456 | \$6,423 | \$6,391 | \$6,359 | \$6,327 | \$6,295 | \$55,003 |
| 14. | | - | ψ2,010 | Ψ2,000 | Ψ2,700 | Ψ2,101 | Ψ2,110 | Ψ2,110 | Ψ0,400 | φ0, 4 20 | 40,00 i | <i>40,000</i> | \$0,021 | <i>40,200</i> | 400,000 |

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Notes: (A) Applicable depreciable base for Big Bend; account 312.40 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate through June 2018 was 3.4%; depreciation was accelerated to 12.36% as of July 2018.
 (E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Fuel Oil Tank No. 2 Upgrade (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|---------------------------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | \$818,401 | |
| 3. | Less: Accumulated Depreciation | (450,592) | (452,911) | (455,230) | (457,549) | (459,868) | (462,187) | (464,506) | (472,932) | (481,358) | (489,784) | (498,210) | (506,636) | (515,062) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$367,809 | 365,490 | 363,171 | 360,852 | 358,533 | 356,214 | 353,895 | 345,469 | 337,043 | 328,617 | 320,191 | 311,765 | 303,339 | |
| 6. | Average Net Investment | | 366,650 | 364,331 | 362,012 | 359,693 | 357,374 | 355,055 | 349,682 | 341,256 | 332,830 | 324,404 | 315,978 | 307,552 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$1,761 | \$1,750 | \$1,739 | \$1,727 | \$1,716 | \$1,705 | \$1,692 | \$1,651 | \$1,610 | \$1,570 | \$1,529 | \$1,488 | \$19,938 |
| | b. Debt Component Grossed Up For Taxes (C) | | 549 | 545 | 542 | 538 | 535 | 531 | 499 | 487 | 475 | 463 | 451 | 439 | 6,054 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$2,319 | \$2,319 | \$2,319 | \$2,319 | \$2,319 | \$2,319 | \$8,426 | \$8,426 | \$8,426 | \$8,426 | \$8,426 | \$8,426 | \$64,470 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 4,629 | 4,614 | 4,600 | 4,584 | 4,570 | 4,555 | 10,617 | 10,564 | 10,511 | 10,459 | 10,406 | 10,353 | 90,462 |
| | a. Recoverable Costs Allocated to Energy | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | b. Recoverable Costs Allocated to Demand | | 4,629 | 4,614 | 4,600 | 4,584 | 4,570 | 4,555 | 10,617 | 10,564 | 10,511 | 10,459 | 10,406 | 10,353 | 90,462 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 4.629 | 4.614 | 4.600 | 4,584 | 4,570 | 4,555 | 10,617 | 10,564 | 10,511 | 10.459 | 10,406 | 10,353 | 90,462 |
| 14. | | 3) – | \$4,629 | \$4,614 | \$4,600 | \$4,584 | \$4,570 | \$4,555 | \$10,617 | \$10,564 | \$10,511 | \$10,459 | \$10,406 | \$10,353 | \$90,462 |
| | | | | | * /···· | | | 1 1. 74 | | | | , | , | · · · · · · · · · · · · · · · · · · · | |

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Notes: (A) Applicable depreciable base for Big Bend; account 312.40 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate through June 2018 was 3.4%; depreciation was accelerated to 12.35% as of July 2018.
 (E) Line 9a x Line 10

January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 1 Classifier Replacement (in Dollars)

| 1. Investments 50 \$0\$ | End of Period Total | Estimate December | Estimate November | Estimate October | Estimate September | Estimate August | Estimate July | Actual June | Actual May | Actual April | Actual March | Actual February | Actual January | Beginning of Period Amount | Description | Line |
|--|---------------------------|----------------------|----------------------|---------------------|-----------------------|--------------------|------------------|----------------|---------------|-----------------|-----------------|--------------------|-------------------|-------------------------------|---|------|
| b. Clearings to Plant 0 | \$0 | 02 | 02 | 02 | 02 | 02 | \$0 | 0 2 | 02 | 02 | \$0 | \$0 | ¢0 | | | 1. |
| c. Retirements 0 | ΨŪ | | | | | | | | | | 40 0 | 40 0 | | | | |
| 2. Plant-in-Service/Depreciation Base (A) \$1,316,257 \$1,316,2 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | c. Retirements | |
| 3. Less: Accumulated Depreciation (921,848) (922,828) (933,012) (| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | d. Other | |
| 4. CWIP - Non-Interest Bearing 0 <th< td=""><td></td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>\$1,316,257</td><td>Plant-in-Service/Depreciation Base (A)</td><td>2.</td></th<> | | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | \$1,316,257 | Plant-in-Service/Depreciation Base (A) | 2. |
| 5. Net Investment (Lines 2 + 3 + 4) \$394,409 390,021 385,633 381,245 376,857 372,469 368,081 363,693 359,305 354,917 350,529 346,141 341,753 6. Average Net Investment 392,215 387,827 383,439 379,051 374,663 370,275 365,887 361,499 357,111 352,723 348,335 343,947 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) \$1,884 \$1,862 \$1,841 \$1,820 \$1,779 \$1,778 \$1,770 \$1,749 \$1,728 \$1,707 \$1,685 \$1,664 b. Debt Component Grossed Up For Taxes (C) \$1,884 \$1,862 \$1,841 \$1,820 \$1,779 \$1,778 \$1,770 \$1,749 \$1,728 \$1,707 \$1,685 \$1,664 8. Investment Expenses a. Depreciation (D) \$4,388 | | (974,504) | (970,116) | (965,728) | (961,340) | (956,952) | (952,564) | (948,176) | (943,788) | (939,400) | (935,012) | (930,624) | (926,236) | (921,848) | | 3. |
| 6. Average Net Investment 392,215 387,827 383,439 379,051 374,663 370,275 365,887 361,499 357,111 352,723 348,335 343,947 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) bebt Component Grossed Up For Taxes (C) \$1,884 \$1,862 \$1,841 \$1,820 \$1,779 \$1,778 \$1,770 \$1,749 \$1,728 \$1,707 \$1,685 \$1,664 b. Debt Component Grossed Up For Taxes (C) \$87 \$50 \$74 \$567 \$561 \$554 \$22 \$16 \$10 \$0 497 \$491 8. Investment Expenses a. Depreciation (D) \$4,388 <t< td=""><td></td><td></td><td>-</td><td>-</td><td></td><td></td><td>Ŭ</td><td>Ŭ</td><td>•</td><td>0</td><td>0</td><td>0</td><td>v</td><td>0</td><td></td><td>4.</td></t<> | | | - | - | | | Ŭ | Ŭ | • | 0 | 0 | 0 | v | 0 | | 4. |
| 7. Return on Average Net Investment st. Equity Component Grossed Up For Taxes (B) \$1,884 \$1,862 \$1,841 \$1,820 \$1,799 \$1,778 \$1,770 \$1,749 \$1,728 \$1,707 \$1,685 \$1,664 b. Debt Component Grossed Up For Taxes (C) \$587 \$580 \$574 \$567 \$561 \$554 \$522 \$516 \$50 \$504 \$497 \$491 8. Investment Expenses a. Depreciation (D) \$4,388 | | 341,753 | 346,141 | 350,529 | 354,917 | 359,305 | 363,693 | 368,081 | 372,469 | 376,857 | 381,245 | 385,633 | 390,021 | \$394,409 | Net Investment (Lines 2 + 3 + 4) | 5. |
| a. Equity Component Grossed Up For Taxes (B) \$1,884 \$1,862 \$1,841 \$1,820 \$1,799 \$1,778 \$1,770 \$1,749 \$1,728 \$1,707 \$1,685 \$1,664 b. Debt Component Grossed Up For Taxes (C) \$587 \$580 \$574 \$567 \$561 \$554 \$522 \$16 \$510 \$504 \$497 \$491 8. Investment Expenses a. Depreciation (D) \$4,388 | | 343,947 | 348,335 | 352,723 | 357,111 | 361,499 | 365,887 | 370,275 | 374,663 | 379,051 | 383,439 | 387,827 | 392,215 | | Average Net Investment | 6. |
| b. Debt Component Grossed Up For Taxes (C) 587 580 574 567 561 554 522 516 510 504 497 491 8. Investment Expenses a. Depreciation (D) \$4,388 | | | | | | | | | | | | | | | Return on Average Net Investment | 7. |
| 8. Investment Expenses a. Depreciation (D) \$4,388 | \$21,287 | \$1,664 | | | \$1,728 | | | | \$1,799 | | | | | | a. Equity Component Grossed Up For Taxes (B) | |
| a. Depreciation (D) \$4,388 | 6,463 | 491 | 497 | 504 | 510 | 516 | 522 | 554 | 561 | 567 | 574 | 580 | 587 | | b. Debt Component Grossed Up For Taxes (C) | |
| b. Amortization 0 | | | | | | | | | | | | | | | Investment Expenses | 8. |
| c. Dismantlement 0 | \$52,656 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | \$4,388 | | a. Depreciation (D) | |
| d. Property Taxes 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| e. Other 0< | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 9. Total System Recoverable Expenses (Lines 7 + 8) 6,859 6,830 6,803 6,775 6,748 6,720 6,680 6,653 6,626 6,599 6,570 6,543 a. Recoverable Costs Allocated to Energy 6,859 6,830 6,803 6,775 6,748 6,720 6,680 6,653 6,626 6,599 6,570 6,543 b. Recoverable Costs Allocated to Demand 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| a. Recoverable Costs Allocated to Energy 6,859 6,830 6,803 6,775 6,748 6,720 6,680 6,653 6,626 6,599 6,570 6,543 b. Recoverable Costs Allocated to Demand 0 < | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | e. Other | |
| b. Recoverable Costs Allocated to Demand 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 80,406 | 6,543 | 6,570 | | 6,626 | 6,653 | 6,680 | 6,720 | 6,748 | | | 6,830 | 6,859 | | Total System Recoverable Expenses (Lines 7 + 8) | 9. |
| | 80,406 | | 6,570 | 6,599 | | | 6,680 | 6,720 | | | 6,803 | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | b. Recoverable Costs Allocated to Demand | |
| 10. Energy Jurisdictional Factor 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | Energy Jurisdictional Factor | 10. |
| 11. Demand Jurisdictional Factor 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 | | 1.0000000 | | | | | | | | | | 1.0000000 | | | | 11. |
| 12. Retail Energy-Related Recoverable Costs (E) 6,859 6,830 6,803 6,775 6,748 6,720 6,680 6,653 6,626 6,599 6,570 6,543 | 80,406 | 6,543 | 6,570 | 6,599 | 6,626 | 6,653 | 6,680 | 6,720 | 6,748 | 6,775 | 6,803 | 6,830 | 6,859 | | Retail Energy-Related Recoverable Costs (E) | 12. |
| 13. Retail Demand-Related Recoverable Costs (F) 0 | 0 | | | | | | | | | | | | | _ | | |
| 14. Total Jurisdictional Recoverable Costs (Lines 12 + 13) \$6,859 \$6,830 \$6,803 \$6,775 \$6,748 \$6,720 \$6,680 \$6,653 \$6,626 \$6,599 \$6,570 \$6,543 | \$80,406 | \$6,543 | \$6,570 | \$6,599 | \$6,626 | \$6,653 | \$6,680 | \$6,720 | \$6,748 | \$6,775 | \$6,803 | \$6,830 | \$6,859 | 3) | . Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 14. |

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 Notes:
 (A) Applicable depreciable base for Big Bend; account 312.41
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 4.0%
 (E) Line 9a x Line 10

January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 2 Classifier Replacement (in Dollars)

| Line Description Period Amount January February March April May June July August September October November Description 1. Investments a. Expenditures/Additions 50 \$50 | | | Beginning of | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | End of Period |
|---|------|---|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
| a. Expenditures/Additions S0 | Line | Description | Period Amount | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| a. Expenditures/Additions S0 | 1. | Investments | | | | | | | | | | | | | | |
| b. Clearing sto Plant 0 | | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| d. Other 0< | | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. Plant-in-Service/Depreciation Base (A) S984,794 | | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3. Less: Accumulated Depreciation (678,970) (681,906) (687,978) (697,078) (697,078) (700,122) (702,128) (706,134) (706,20) (712,26) (715,302) 4. CWP-Non-Interest Bearing \$305,924 302,888 299,852 296,816 293,780 290,744 287,708 284,672 281,636 277,680 275,564 272,528 269,492 6. Average Net Investment 304,406 301,370 298,334 295,298 292,262 289,218 281,636 277,082 274,046 271,010 7. Return on Average Net Investment 304,406 301,370 298,334 295,298 292,262 289,218 281,315 281,315 281,314 213,255 213,311 51,664 8. Equity Component Grossed Up For Taxes (B) \$1,462 \$1,474 \$1,333 \$1,418 \$1,404 \$1,339 \$1,325 \$1,341 \$1,326 \$1,311 \$16,641 9. Depreciation (D) \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 \$3,036 <td></td> <td>d. Other</td> <td></td> <td>0</td> <td></td> | | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4. CWIP- Non-Interest Bearing 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 2. | Plant-in-Service/Depreciation Base (A) | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | \$984,794 | |
| 5. Net Investment (Lines 2 + 3 + 4) \$305,924 302,888 299,852 296,816 293,780 290,744 287,708 284,672 281,636 277,600 275,564 272,528 269,492 6. Average Net Investment 304,406 301,370 298,334 295,298 292,262 289,226 286,190 283,154 280,118 277,082 274,046 271,010 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) b. Debt Component Grossed Up For Taxes (C) 456 451 446 442 433 51,481 51,402 51,303 53,036 53,036 | 3. | Less: Accumulated Depreciation | (678,870) | (681,906) | (684,942) | (687,978) | (691,014) | (694,050) | (697,086) | (700,122) | (703,158) | (706,194) | (709,230) | (712,266) | (715,302) | |
| 6. Average Net Investment 304,406 301,370 298,334 295,298 292,262 289,226 280,118 277,082 274,046 271,010 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) \$1,462 \$1,447 \$1,433 \$1,418 \$1,404 \$1,389 \$1,385 \$1,370 \$1,355 \$1,341 \$1,326 \$1,311 \$16,641 b. Debt Component Grossed Up For Taxes (C) 456 451 446 442 437 433 409 404 400 396 391 387 5,052 8. Investment Expenses a. Depreciation (D) 0 | 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Arrow on Average Net Investment a. Equity Component Grossed Up For Taxes (B) \$1,462 \$1,447 \$1,433 \$1,418 \$1,404 \$1,389 \$1,385 \$1,370 \$1,355 \$1,341 \$1,326 \$1,311 \$16,641 b. Detric Component Grossed Up For Taxes (C) 456 451 446 442 437 \$433 409 404 \$1,355 \$1,341 \$1,326 \$1,311 \$16,641 a. Investment Expenses a. Depreciation (D) b. Amortization 0 <td< td=""><td>5.</td><td>Net Investment (Lines 2 + 3 + 4)</td><td>\$305,924</td><td>302,888</td><td>299,852</td><td>296,816</td><td>293,780</td><td>290,744</td><td>287,708</td><td>284,672</td><td>281,636</td><td>278,600</td><td>275,564</td><td>272,528</td><td>269,492</td><td></td></td<> | 5. | Net Investment (Lines 2 + 3 + 4) | \$305,924 | 302,888 | 299,852 | 296,816 | 293,780 | 290,744 | 287,708 | 284,672 | 281,636 | 278,600 | 275,564 | 272,528 | 269,492 | |
| a. Equity Component Grossed Up For Taxes (B) \$1,462 \$1,462 \$1,433 \$1,418 \$1,404 \$1,385 \$1,370 \$1,355 \$1,341 \$1,326 \$1,311 \$16,641 b. Debt Component Grossed Up For Taxes (C) \$3,036< | 6. | Average Net Investment | | 304,406 | 301,370 | 298,334 | 295,298 | 292,262 | 289,226 | 286,190 | 283,154 | 280,118 | 277,082 | 274,046 | 271,010 | |
| b. Debt Component Grossed Up For Taxes (C) 456 451 446 442 437 433 409 404 400 396 391 387 5,052 8. Investment Expenses a. Depreciation (D) \$3,036 | 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| 8. Investment Expenses 3. Depreciation (D) S3,036 | | a. Equity Component Grossed Up For Taxes (B) | | \$1,462 | \$1,447 | \$1,433 | | \$1,404 | | | \$1,370 | \$1,355 | | \$1,326 | \$1,311 | \$16,641 |
| a. Depreciation (D) \$3,036 | | b. Debt Component Grossed Up For Taxes (C) | | 456 | 451 | 446 | 442 | 437 | 433 | 409 | 404 | 400 | 396 | 391 | 387 | 5,052 |
| b. Amortization 0 | 8. | Investment Expenses | | | | | | | | | | | | | | |
| c. Dismantlement 0 | | | | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$3,036 | \$36,432 |
| d. Property Taxes 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. Other 0< | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. Total System Recoverable Expenses (Lines 7 + 8) a. Recoverable Costs Allocated to Energy b. Recoverable Costs Allocated to Energy b. Recoverable Costs Allocated to Demand 4,954 4,934 4,915 4,896 4,877 4,858 4,830 4,810 4,791 4,773 4,753 4,734 58,125 b. Recoverable Costs Allocated to Demand 0 <t< td=""><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></t<> | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| a. Recoverable Costs Allocated to Energy 4,954 4,934 4,915 4,896 4,877 4,858 4,830 4,810 4,791 4,773 4,753 4,734 58,125 b. Recoverable Costs Allocated to Demand 0 | | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| b. Recoverable Costs Allocated to Demand 0 <td>9.</td> <td></td> | 9. | | | | | | | | | | | | | | | |
| 10. Energy Jurisdictional Factor 1.0000000 1. | | | | | | | | | | | | | 4,773 | | | 58,125 |
| 11. Demand Jurisdictional Factor 1.0000000 <td></td> <td>b. Recoverable Costs Allocated to Demand</td> <td></td> <td>0</td> | | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. Retail Energy-Related Recoverable Costs (E) 4,954 4,915 4,896 4,877 4,858 4,830 4,711 4,773 4,753 4,734 58,125 13. Retail Demand-Related Recoverable Costs (F) 0 | 10. | Energy Jurisdictional Factor | | | | | | | | | | | | | | |
| 13. Retail Demand-Related Recoverable Costs (F) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | 12. | | | 4,954 | 4,934 | 4,915 | 4,896 | 4,877 | 4,858 | 4,830 | 4,810 | 4,791 | 4,773 | 4,753 | 4,734 | 58,125 |
| 15 Total Jurisdictional Recoverable Costs (Lines 12 + 13) \$4,954 \$4,934 \$4,915 \$4,896 \$4,877 \$4,858 \$4,830 \$4,810 \$4,791 \$4,773 \$4,753 \$4,734 \$58,125 | | | _ | | | | | | | | | | | | | |
| | 15 | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 3) | \$4,954 | \$4,934 | \$4,915 | \$4,896 | \$4,877 | \$4,858 | \$4,830 | \$4,810 | \$4,791 | \$4,773 | \$4,753 | \$4,734 | \$58,125 |

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 Notes:
 (A) Applicable depreciable base for Big Bend; account 312.42
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.7%
(E) Line 9a x Line 10

January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Section 114 Mercury Testing Platform (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|------------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | \$120,737 | |
| 3. | Less: Accumulated Depreciation | (51,907) | (52,199) | (52,491) | (52,783) | (53,075) | (53,367) | (53,659) | (53,951) | (54,243) | (54,535) | (54,827) | (55,119) | (55,411) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$68,830 | 68,538 | 68,246 | 67,954 | 67,662 | 67,370 | 67,078 | 66,786 | 66,494 | 66,202 | 65,910 | 65,618 | 65,326 | |
| 6. | Average Net Investment | | 68,684 | 68,392 | 68,100 | 67,808 | 67,516 | 67,224 | 66,932 | 66,640 | 66,348 | 66,056 | 65,764 | 65,472 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$330 | \$328 | \$327 | \$326 | \$324 | \$323 | \$324 | \$322 | \$321 | \$320 | \$318 | \$317 | \$3,880 |
| | b. Debt Component Grossed Up For Taxes (C) | | 103 | 102 | 102 | 101 | 101 | 101 | 96 | 95 | 95 | 94 | 94 | 93 | 1,177 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$292 | \$3,504 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 725 | 722 | 721 | 719 | 717 | 716 | 712 | 709 | 708 | 706 | 704 | 702 | 8,561 |
| | a. Recoverable Costs Allocated to Energy | | 725 | 722 | 721 | 719 | 717 | 716 | 712 | 709 | 708 | 706 | 704 | 702 | 8,561 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.00000000 | 1.00000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 725 | 722 | 721 | 719 | 717 | 716 | 712 | 709 | 708 | 706 | 704 | 702 | 8,561 |
| 12. | Retail Demand-Related Recoverable Costs (E) | | 725 | 0 | 0 | 0 | 0 | 716 | /12 | 709 | 708 | 706 | 704 | 02 | 0,501 |
| 13. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | | \$725 | \$722 | \$721 | \$719 | \$717 | \$716 | \$712 | \$709 | \$708 | \$706 | \$704 | \$702 | \$8,561 |
| 14. | | - | ψ120 | Ψ12Z | Ψ/21 | ψ11 3 | ΨΠ | ψ/10 | Ψ11Z | 9703 | ψ/00 | ψ/00 | \$70 4 | \$10Z | ψ0,001 |

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 Notes:
 (A) Applicable depreciable base for Big Bend; account 311.40
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 2.9%
(E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Units 1 and 2 FGD (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------------|--|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|------------------------|------------------|------------------------|-----------------------|---------------------|------------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other - AFUDC (excl from CWIP) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | \$95,255,242 | |
| 3. | Less: Accumulated Depreciation | (55,074,209) | (55,336,128) | (55,598,047) | (55,859,966) | (56,121,885) | (56,383,804) | (56,645,723) | (56,907,642) | (57,169,561) | (57,431,480) | (57,693,399) | (57,955,318) | (58,217,237) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$40,181,033 | 39,919,114 | 39,657,195 | 39,395,276 | 39,133,357 | 38,871,438 | 38,609,519 | 38,347,600 | 38,085,681 | 37,823,762 | 37,561,843 | 37,299,924 | 37,038,005 | |
| 6. | Average Net Investment | | 40,050,073 | 39,788,154 | 39,526,235 | 39,264,316 | 39,002,397 | 38,740,478 | 38,478,559 | 38,216,640 | 37,954,721 | 37,692,802 | 37,430,883 | 37,168,964 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$192,334 | \$191,076 | \$189,818 | \$188,560 | \$187,303 | \$186,045 | \$186,175 | \$184,908 | \$183,641 | \$182,373 | \$181,106 | \$179,839 | \$2,233,178 |
| | b. Debt Component Grossed Up For Taxes (C) | | 59,938 | 59,546 | 59,154 | 58,762 | 58,370 | 57,978 | 54,938 | 54,564 | 54,190 | 53,816 | 53,442 | 53,068 | 677,766 |
| | | | | | | | | | | | | | | | |
| 8. | Investment Expenses | | | | | | | | | | | | | | A A 4 4 A A A A A |
| | a. Depreciation (D) b. Amortization | | \$261,919 | \$261,919 | \$261,919 | \$261,919 0 | \$261,919 | \$261,919 | \$261,919 | \$261,919 | \$261,919 0 | \$261,919 | \$261,919 | \$261,919 0 | \$3,143,028 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | - | 0 | 0 | 0 | Ŭ | Ŭ | 0 | Ŭ | 0 | Ŭ | 0 | 0 | 0 | <u> </u> |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 514,191 | 512,541 | 510,891 | 509,241 | 507,592 | 505,942 | 503,032 | 501,391 | 499,750 | 498,108 | 496,467 | 494,826 | 6,053,972 |
| | a. Recoverable Costs Allocated to Energy | | 514,191 | 512,541 | 510,891 | 509,241 | 507,592 | 505,942 | 503,032 | 501,391 | 499,750 | 498,108 | 496,467 | 494,826 | 6,053,972 |
| | Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Energy Jurisdictional Easter | | 1 0000000 | 1 0000000 | 1 0000000 | 1 0000000 | 1 0000000 | 1 0000000 | 1 0000000 | 1 0000000 | 1.0000000 | 1.0000000 | 1 0000000 | 1.0000000 | |
| 10. 11. | Energy Jurisdictional Factor Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 1.0000000 | 1.0000000 | 1.0000000 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 1.0000000 | 1.0000000 | |
| 11. | | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 514,191 | 512,541 | 510,891 | 509,241 | 507,592 | 505,942 | 503,032 | 501,391 | 499,750 | 498,108 | 496,467 | 494,826 | 6,053,972 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13) |) | \$514,191 | \$512,541 | \$510,891 | \$509,241 | \$507,592 | \$505,942 | \$503,032 | \$501,391 | \$499,750 | \$498,108 | \$496,467 | \$494,826 | \$6,053,972 |
| | | - | | | | | | | | | | | | | |

 Notes:
 (A) Applicable depreciable base for Big Bend; accounts 312.46 (\$94,929,061), 312.45 (\$105,398) & 315.46 (\$220,782)

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 3.3%, 2.5% and 3.5%
 (E) Line 9a x Line 10

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend FGD Optimization and Utilization (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual Februarv | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|--|-------------------------------|-------------------|---|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| Line | Description | Fellou Allioulit | January | February | Warch | Арпі | iviay | Julie | July | Augusi | September | Octobel | November | December | TOLAI |
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$29,435 | \$7,632 | \$61,810 | \$126,316 | \$377,714 | \$71,808 | \$45,911 | \$100,000 | \$100,000 | \$100,000 | \$100,000 | \$100,000 | \$1,220,627 |
| | b. Clearings to Plant | | 29,435 | 7,632 | 61,810 | 126,316 | 377,714 | 71,808 | 0 | 45,911 | 100,000 | 100,000 | 100,000 | 100,000 | 1,120,627 |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$21.739.737 | \$21,769,172 | \$21,776,804 | \$21.838.615 | \$21.964.930 | \$22.342.644 | \$22,414,453 | \$22.414.453 | \$22,460,364 | \$22,560,364 | \$22.660.364 | \$22,760,364 | \$22.860.364 | |
| 3. | Less: Accumulated Depreciation | (8,790,925) | (8,836,199) | (8,881,576) | (8,926,971) | (8,972,493) | (9,018,278) | (9,064,850) | (9,111,581) | (9,158,312) | (9,205,139) | (9,252,174) | (9,299,418) | (9,346,870) | |
| 4. | CWIP - Non-Interest Bearing | (0,100,020) | (0,000,000) | (0,000,000,000,000,000,000,000,000,000, | (0,020,011) | (0,012,100) | (0,0.0,1.0) | (0,000,000) | 45.911 | 100.000 | 100.000 | 100.000 | 100.000 | 100,000 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$12,948,812 | 12,932,973 | 12,895,228 | 12,911,644 | 12,992,437 | 13,324,366 | 13,349,603 | 13,348,783 | 13,402,052 | 13,455,225 | 13,508,190 | 13,560,946 | 13,613,494 | |
| 6. | Average Net Investment | | 12,940,893 | 12,914,101 | 12,903,436 | 12,952,040 | 13,158,402 | 13,336,985 | 13,349,193 | 13,375,417 | 13,428,638 | 13,481,707 | 13,534,568 | 13,587,220 | |
| 0. | Average Net Investment | | 12,940,693 | 12,914,101 | 12,903,430 | 12,952,040 | 13,156,402 | 13,330,905 | 13,349,193 | 13,375,417 | 13,420,030 | 13,461,707 | 13,534,500 | 13,567,220 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$62,146 | \$62,018 | \$61,967 | \$62,200 | \$63,191 | \$64,049 | \$64,589 | \$64,716 | \$64,973 | \$65,230 | \$65,486 | \$65,741 | \$766,306 |
| | b. Debt Component Grossed Up For Taxes (C) | | 19,367 | 19,327 | 19,311 | 19,384 | 19,693 | 19,960 | 19,059 | 19,097 | 19,173 | 19,249 | 19,324 | 19,399 | 232,343 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$45,274 | \$45,377 | \$45,395 | \$45,522 | \$45,785 | \$46,572 | \$46,731 | \$46,731 | \$46,827 | \$47,035 | \$47,244 | \$47,452 | \$555,945 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 126.787 | 126,722 | 126,673 | 127.106 | 128,669 | 130,581 | 130,379 | 130,544 | 130,973 | 131,514 | 132,054 | 132,592 | 1.554.594 |
| | a. Recoverable Costs Allocated to Energy | | 126,787 | 126,722 | 126,673 | 127,106 | 128,669 | 130,581 | 130,379 | 130,544 | 130,973 | 131,514 | 132,054 | 132,592 | 1,554,594 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 10. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | | | 1.0000000 | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 126,787 | 126,722 | 126,673 | 127,106 | 128,669 | 130,581 | 130,379 | 130,544 | 130,973 | 131,514 | 132,054 | 132,592 | 1,554,594 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13) |) | \$126,787 | \$126,722 | \$126,673 | \$127,106 | \$128,669 | \$130,581 | \$130,379 | \$130,544 | \$130,973 | \$131,514 | \$132,054 | \$132,592 | \$1,554,594 |
| | | | | | | | | | | | | | | | |

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 Notes:
 (A) Applicable depreciable base for Big Bend; accounts 312.45 (\$22,784,292),311.45 (\$39,818) and 316.40 (\$36,254)
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 2.5%, 2.0% and 4.2%
 (E) Line 9a x Line 10

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend NO_x Emissions Reduction (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Actual November | Estimate December | End of Period Total |
|------|--|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|--------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | \$3,190,852 | |
| 3. | Less: Accumulated Depreciation | 1,871,979 | 1,861,795 | 1,851,611 | 1,841,427 | 1,831,243 | 1,821,059 | 1,810,875 | 1,800,691 | 1,790,507 | 1,780,323 | 1,770,139 | 1,759,955 | 1,749,771 | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$5,062,831 | 5,052,647 | 5,042,463 | 5,032,279 | 5,022,095 | 5,011,911 | 5,001,727 | 4,991,543 | 4,981,359 | 4,971,175 | 4,960,991 | 4,950,807 | 4,940,623 | |
| 6. | Average Net Investment | | 5,057,739 | 5,047,555 | 5,037,371 | 5,027,187 | 5,017,003 | 5,006,819 | 4,996,635 | 4,986,451 | 4,976,267 | 4,966,083 | 4,955,899 | 4,945,715 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$24,289 | \$24,240 | \$24,191 | \$24,142 | \$24,093 | \$24,044 | \$24,176 | \$24,127 | \$24,077 | \$24,028 | \$23,979 | \$23,929 | \$289,315 |
| | b. Debt Component Grossed Up For Taxes (C) | | 7,569 | 7,554 | 7,539 | 7,524 | 7,508 | 7,493 | 7,134 | 7,119 | 7,105 | 7,090 | 7,076 | 7,061 | 87,772 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$10,184 | \$122,208 |
| | b. Amortization | | φ10,104 0 | φ10,104 0 | φ10,104 0 | φ10,104 0 | φ10,104 0 | φ10,104 0 | ¢10,104 0 | φ10,104 0 | 0 | ¢10,104 0 | φ10,104 0 | φ10,104 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ō | 0 | Ō | Ō |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 42,042 | 41.978 | 41,914 | 41,850 | 41,785 | 41,721 | 41,494 | 41,430 | 41,366 | 41,302 | 41.239 | 41,174 | 499.295 |
| 9. | a. Recoverable Costs Allocated to Energy | | 42,042 | 41,978 | 41,914 | 41,850 | 41,785 | 41,721 | 41,494 | 41,430 | 41,366 | 41,302 | 41,239 | 41,174 | 499,295 |
| | b. Recoverable Costs Allocated to Demand | | 42,042 | 41,570 | 41,514 | 41,000 | 41,700 | 41,721 | 41,404 | 0 | 41,000 | 41,002 | 41,200 | 41,174 | 400,200 |
| | | | 0 | 0 | 0 | Ū | Ŭ | 0 | 0 | Ū | 0 | 0 | 0 | 0 | Ŭ |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 42,042 | 41.978 | 41,914 | 41,850 | 41,785 | 41,721 | 41,494 | 41,430 | 41,366 | 41,302 | 41,239 | 41,174 | 499,295 |
| 12. | Retail Demand-Related Recoverable Costs (E) | | 42,042 | 41,978 | 41,914 | 41,850 | 41,785 | 41,721 | 41,494 | 41,430 | 41,300 | 41,302 | 41,239 | 41,174 | +33,233 |
| 14. | Total Jurisdictional Recoverable Costs (1) | 3) | \$42.042 | \$41.978 | \$41,914 | \$41.850 | \$41,785 | \$41.721 | \$41,494 | \$41,430 | \$41,366 | \$41,302 | \$41,239 | \$41,174 | \$499,295 |
| | | · - | ; =;; := |]#.# | , ., . | , ., | | ; ;;;=: | | ,, | ,, | | , | ; ,, | ,,==== |

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 Notes:

 (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$1,675,171), 312.42 (\$1,075,718), and 312.43 (\$439,963).

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

 (C) Line 6 x 1.7599% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec).

 (D) Applicable depreciation rates are 4.0%, 3.7% and 3.5%

Return on Capital Investments, Depreciation and Taxes For Project: PM Minimization and Monitoring (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | (\$24) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$24) |
| | b. Clearings to Plant | | (24) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (24) |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$19,757,774 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | \$19,757,750 | |
| 3. | Less: Accumulated Depreciation | (5,083,858) | (5,144,730) | (5,205,602) | (5,266,474) | (5,327,346) | (5,388,218) | (5,449,090) | (5,509,962) | (5,570,834) | (5,631,706) | (5,692,578) | (5,753,450) | (5,814,322) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$14,673,916 | 14,613,020 | 14,552,148 | 14,491,276 | 14,430,404 | 14,369,532 | 14,308,660 | 14,247,788 | 14,186,916 | 14,126,044 | 14,065,172 | 14,004,300 | 13,943,428 | |
| 6. | Average Net Investment | | 14,643,468 | 14,582,584 | 14,521,712 | 14,460,840 | 14,399,968 | 14,339,096 | 14,278,224 | 14,217,352 | 14,156,480 | 14,095,608 | 14,034,736 | 13,973,864 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$70,323 | \$70,030 | \$69,738 | \$69,446 | \$69,153 | \$68,861 | \$69,084 | \$68,789 | \$68,495 | \$68,200 | \$67,906 | \$67,611 | \$827,636 |
| | b. Debt Component Grossed Up For Taxes (C) | | 21,915 | 21,824 | 21,733 | 21,642 | 21,551 | 21,460 | 20,386 | 20,299 | 20,212 | 20,125 | 20,038 | 19,951 | 251,136 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$60,872 | \$730,464 |
| | b. Amortization | | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 000,012 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 153,110 | 152,726 | 152,343 | 151,960 | 151,576 | 151,193 | 150,342 | 149,960 | 149,579 | 149,197 | 148,816 | 148,434 | 1,809,236 |
| 0. | a. Recoverable Costs Allocated to Energy | | 153,110 | 152,726 | 152,343 | 151,960 | 151,576 | 151,193 | 150,342 | 149,960 | 149,579 | 149,197 | 148,816 | 148,434 | 1,809,236 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 153,110 | 152,726 | 152,343 | 151,960 | 151,576 | 151,193 | 150,342 | 149,960 | 149,579 | 149,197 | 148,816 | 148,434 | 1,809,236 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) | \$153,110 | \$152,726 | \$152,343 | \$151,960 | \$151,576 | \$151,193 | \$150,342 | \$149,960 | \$149,579 | \$149,197 | \$148,816 | \$148,434 | \$1,809,236 |

Notes: (A) Applicable depreciable base for Big Bend; accounts 312.41 (\$5,831,465), 312.42 (\$5,153,072), 312.43 (\$7,875,560), 315.41 (\$17,504), 315.44 (\$351,594), and 315.43 (\$528,554) (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 4.0%, 3.7%, 3.5%, 3.5%, 3.2%, and 3.6%
 (E) Line 9a x Line 10

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Polk NO_x Emissions Reduction (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-------------------|-------------------|---------------|-------------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | \$1,561,473 | |
| 3. | Less: Accumulated Depreciation | (736,410) | (740,834) | (745,258) | (749,682) | (754,106) | (758,530) | (762,954) | (767,378) | (771,802) | (776,226) | (780,650) | (785,074) | (789,498) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$825,063 | 820,639 | 816,215 | 811,791 | 807,367 | 802,943 | 798,519 | 794,095 | 789,671 | 785,247 | 780,823 | 776,399 | 771,975 | |
| 6. | Average Net Investment | | 822,851 | 818,427 | 814,003 | 809,579 | 805,155 | 800,731 | 796,307 | 791,883 | 787,459 | 783,035 | 778,611 | 774,187 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$3,952 | \$3,930 | \$3,909 | \$3,888 | \$3,867 | \$3,845 | \$3,853 | \$3,831 | \$3,810 | \$3,789 | \$3,767 | \$3,746 | \$46,187 |
| | b. Debt Component Grossed Up For Taxes (C) | | 1,231 | 1,225 | 1,218 | 1,212 | 1,205 | 1,198 | 1,137 | 1,131 | 1,124 | 1,118 | 1,112 | 1,105 | 14,016 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$4,424 | \$53,088 |
| | b. Amortization | | 0 | ¢ 1, 1 <u>2</u> 1 | ¢ ., . <u>_</u> 1 | ¢ ., . <u>_</u> . | 0 | ¢ 1, 1 <u>2</u> 1 | ¢1,1 <u>2</u> 1 | ¢.,. <u>-</u> 1 | 0 | 0 | ¢ 1, 1 <u>2</u> 1 | ¢.,. <u>-</u> . | 000,000 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | _ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 9.607 | 9.579 | 9.551 | 9.524 | 9.496 | 9.467 | 9.414 | 9.386 | 9.358 | 9.331 | 9.303 | 9.275 | 113.291 |
| 0. | a. Recoverable Costs Allocated to Energy | | 9,607 | 9,579 | 9,551 | 9,524 | 9,496 | 9,467 | 9,414 | 9,386 | 9,358 | 9,331 | 9,303 | 9,275 | 113,291 |
| | b. Recoverable Costs Allocated to Demand | | 0,001 | 0,070 | 0,001 | 0,021 | 0,100 | 0 | 0,111 | 0 | 0,000 | 0,001 | 0,000 | 0,210 | 0 |
| | | | | | | | | | | | | | | | |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 9,607 | 9,579 | 9,551 | 9,524 | 9,496 | 9,467 | 9,414 | 9,386 | 9,358 | 9,331 | 9,303 | 9,275 | 113,291 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) | \$9,607 | \$9,579 | \$9,551 | \$9,524 | \$9,496 | \$9,467 | \$9,414 | \$9,386 | \$9,358 | \$9,331 | \$9,303 | \$9,275 | \$113,291 |

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 Notes:

 (A) Applicable depreciable base for Polk; account 342.81

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

 (C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.4%

(E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 4 SOFA

| (in | Dollars) | |
|-----|----------|--|
|-----|----------|--|

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | \$2,558,730 | |
| 3. | Less: Accumulated Depreciation | (909,434) | (915,831) | (922,228) | (928,625) | (935,022) | (941,419) | (947,816) | (954,213) | (960,610) | (967,007) | (973,404) | (979,801) | (986,198) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$1,649,296 | 1,642,899 | 1,636,502 | 1,630,105 | 1,623,708 | 1,617,311 | 1,610,914 | 1,604,517 | 1,598,120 | 1,591,723 | 1,585,326 | 1,578,929 | 1,572,532 | |
| 6. | Average Net Investment | | 1,646,098 | 1,639,701 | 1,633,304 | 1,626,907 | 1,620,510 | 1,614,113 | 1,607,716 | 1,601,319 | 1,594,922 | 1,588,525 | 1,582,128 | 1,575,731 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$7,905 | \$7,874 | \$7,844 | \$7,813 | \$7,782 | \$7,752 | \$7,779 | \$7,748 | \$7,717 | \$7,686 | \$7,655 | \$7,624 | \$93,179 |
| | b. Debt Component Grossed Up For Taxes (C) | | 2,464 | 2,454 | 2,444 | 2,435 | 2,425 | 2,416 | 2,295 | 2,286 | 2,277 | 2,268 | 2,259 | 2,250 | 28,273 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$6,397 | \$76,764 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 16,766 | 16,725 | 16,685 | 16,645 | 16,604 | 16,565 | 16,471 | 16,431 | 16,391 | 16,351 | 16,311 | 16,271 | 198,216 |
| | a. Recoverable Costs Allocated to Energy | | 16,766 | 16,725 | 16,685 | 16,645 | 16,604 | 16,565 | 16,471 | 16,431 | 16,391 | 16,351 | 16,311 | 16,271 | 198,216 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.00000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 16.766 | 16,725 | 16,685 | 16.645 | 16,604 | 16,565 | 16.471 | 16,431 | 16.391 | 16,351 | 16,311 | 16,271 | 198,216 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) – | \$16,766 | \$16,725 | \$16,685 | \$16,645 | \$16,604 | \$16,565 | \$16,471 | \$16,431 | \$16,391 | \$16,351 | \$16,311 | \$16,271 | \$198,216 |
| | | · – | | | | | | | | | | | | | |

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 Notes:
 (A) Applicable depreciable base for Big Bend; account 312.44
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.0%
(E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 1 Pre-SCR (in Dollars)

| 3. Less: Accumulated Depreciation (665,629) (671,126) (676,623) (682,120) (687,617) (693,114) (698,611) (704,108) (709,605) 4. CWIP - Non-Interest Bearing 0 < | \$0 \$(0 () 0 () 0 () \$1,649,121 \$1,649,121 (715,102) (720,59) 0 () 934,019 928,522 936,768 931,271 | 0 0 0 0 0 0 1 \$1,649,121 \$1,649,12 9) (726,096) (731,59 0 0 2 923,025 917,52 |) |
|---|--|---|----------------|
| b. Clearings to Plant c. Retirements d. Other 2. Plant-in-Service/Depreciation 4. CWIP - Non-Interest Bearing 5. Net Investment a. Equity Component Grossed Up For Taxes (B) b. Debt Component Grossed Up For Taxes (C) 5. Net Investment a. Equity Component Grossed Up For Taxes (C) b. Debt Component Grossed Up For Taxes (C) c. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (C) b. Debt Component Grossed Up For Taxes (C) b. Debt Component Grossed Up For Taxes (C) c. Return on Depreciation c. Return on Depreciation c. Return on Average Net Investment c. Depreciation (D) b. Amortization c. Return on Depreciation (D) c. Return on Depreciation (D) c. Amortization c. Return on Depreciation (D) c. Return on Depreciat | 0 (0 0 (0 0 (1 \$1,649,121 \$1,649,121 (715,102) (720,595 0 (2 934,019 928,522 | 0 0 0 0 0 0 1 \$1,649,121 \$1,649,12 9) (726,096) (731,59 0 0 2 923,025 917,52 |) |
| c. Retirements 0 | 0 (0 0 (1 \$1,649,121 \$1,649,121 (715,102) (720,598 0 (1 934,019 928,522 | 0 0 0 0 1 \$1,649,121 \$1,649,12 9) (726,096) (731,59 0 0 2 923,025 917,52 |) |
| d. Other00000000002.Plant-in-Service/Depreciation Base (A) 3. Less: Accumulated Depreciation 4. CWIP - Non-Interest Bearing 5. Net Investment (Lines 2 + 3 + 4) $$1,649,121$ (665,629) $$1,649,121$ (667,1726) $$1,649,121$ (676,623) $$1,649,121$ (676,623) $$1,649,121$ (687,617) $$1,649,121$ (693,114) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (704,108) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (93,114) $$1,649,121$ (945,013) $$1,649,121$ (945,013 | 0 (1 \$1,649,121 \$1,649,12' (715,102) (720,599 0 (934,019 928,522 | 0 0 1 \$1,649,121 \$1,649,12 9) (726,096) (731,59 0 0 2 923,025 917,52 |) |
| 2. Plant-in-Service/Depreciation Base (A) $\$1,649,121$ $\$1,649,12$ | \$1,649,121 \$1,649,121 (715,102) (720,599 0 (934,019 928,522 | 1 \$1,649,121 \$1,649,12 9) (726,096) (731,59 0 0 2 923,025 917,52 |) |
| 3. Less: Accumulated Depreciation (665,629) (671,126) (676,623) (682,120) (687,617) (693,114) (698,611) (704,108) (709,605) 4. CWIP - Non-Interest Bearing 0 < | (715,102) (720,599 0 (0 934,019 928,522 | 9) (726,096) (731,59 0 0 2 923,025 917,52 | i) |
| 4. CWIP - Non-Interest Bearing 0 <th< td=""><td>0 (0 934,019 928,522</td><td>0 0 2 923,025 917,52</td><td></td></th<> | 0 (0 934,019 928,522 | 0 0 2 923,025 917,52 | |
| 5. Net Investment (Lines 2 + 3 + 4) \$983,492 977,995 972,498 967,001 961,504 956,007 950,510 945,013 939,516 6. Average Net Investment 980,744 975,247 969,750 964,253 958,756 953,259 947,762 942,265 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) \$4,710 \$4,683 \$4,657 \$4,631 \$4,604 \$4,578 \$4,586 \$4,559 b. Debt Component Grossed Up For Taxes (C) 1,468 1,460 1,451 1,443 1,427 1,353 1,345 8. Investment Expenses a. Depreciation (D) \$5,497 | 934,019 928,522 | 2 923,025 917,52 | |
| 6. Average Net Investment 980,744 975,247 969,750 964,253 958,756 953,259 947,762 942,265 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) b. Debt Component Grossed Up For Taxes (C) 1,468 1,460 1,451 1,443 1,427 1,353 1,345 8. Investment Expenses a. Depreciation (D) \$5,497 \$5,497 | | | _ |
| 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) \$4,710 \$4,683 \$4,657 \$4,631 \$4,604 \$4,578 \$4,586 \$4,559 b. Debt Component Grossed Up For Taxes (C) 1,468 1,460 1,451 1,443 1,435 1,427 1,353 1,345 8. Investment Expenses a. Depreciation (D) \$5,497 \$5,49 | 936,768 931,271 | 1 925,774 920,27 | |
| a. Equity Component Grossed Up For Taxes (B) \$4,710 \$4,683 \$4,657 \$4,631 \$4,604 \$4,578 \$4,586 \$4,559 b. Debt Component Grossed Up For Taxes (C) 1,468 1,460 1,451 1,443 1,435 1,427 1,353 1,345 8. Investment Expenses a. Depreciation (D) \$5,497 < | | | |
| a. Equity Component Grossed Up For Taxes (B) \$4,710 \$4,683 \$4,657 \$4,631 \$4,604 \$4,578 \$4,586 \$4,559 b. Debt Component Grossed Up For Taxes (C) 1,468 1,460 1,451 1,443 1,435 1,427 1,353 1,345 8. Investment Expenses a. Depreciation (D) \$5,497 < | | | |
| b. Debt Component Grossed Up For Taxes (C) 1,468 1,460 1,451 1,443 1,435 1,427 1,353 1,345 8. Investment Expenses . Depreciation (D) \$5,497 | \$4,532 \$4,506 | 6 \$4,479 \$4,45 | \$54,978 |
| a. Depreciation (D) \$5,497 \$5,497 \$5,497 \$5,497 \$5,497 \$5,497 \$5,497 b. Amortization 0 0 0 0 0 0 0 | 1,337 1,330 | 0 1,322 1,31 | 16,685 |
| a. Depreciation (D) \$5,497 \$5,497 \$5,497 \$5,497 \$5,497 \$5,497 \$5,497 b. Amortization 0 0 0 0 0 0 0 | | | |
| b. Amortization 0 0 0 0 0 0 0 0 0 | \$5.407 \$5.40 | 7 * 5 407 * 5 40 | 605 004 |
| | \$5,497 \$5,497 0 0 | | \$65,964 |
| c. Dismantlement 0 0 0 0 0 0 0 0 0 0 | 0 0 | 0 0 | 0 |
| d. Property Taxes 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 | | 0 |
| | 0 0 | 0 | 0 |
| | Ū Ū | | <u> </u> |
| 9. Total System Recoverable Expenses (Lines 7 + 8) 11,675 11,640 11,605 11,571 11,536 11,502 11,436 11,401 | 11,366 11,333 | 3 11,298 11,26 | 137,627 |
| a. Recoverable Costs Allocated to Energy 11,675 11,640 11,605 11,571 11,536 11,502 11,436 11,401 | 11,366 11,333 | 3 11,298 11,26 | 137,627 |
| b. Recoverable Costs Allocated to Demand 0 | 0 0 | 0 0 | 0 |
| 10. Energy Jurisdictional Factor 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 1.0000000 | 1 0000000 1 000000 | 0 1.0000000 1.000000 | |
| | 1.0000000 1.000000 1.0000000 1.0000000 | | |
| | 1.000000 1.000000 | 1.000000 1.000000 | |
| 12. Retail Energy-Related Recoverable Costs (E) 11,675 11,640 11,605 11,571 11,536 11,502 11,436 11,401 | 11,366 11,333 | 3 11,298 11,26 | 137,627 |
| 13. Retail Demand-Related Recoverable Costs (F) 0 0 0 0 0 0 0 0 0 0 | 0 0 | 0 0 | 0 |
| 14. Total Jurisdictional Recoverable Costs (Lines 12 + 13) \$11,675 \$11,640 \$11,605 \$11,571 \$11,536 \$11,502 \$11,436 \$11,401 | | 3 \$11,298 \$11,26 | \$137,627 |

3

Notes: (A) Applicable depreciable base for Big Bend; account 312.41 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 4.0%
 (E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 2 Pre-SCR (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | \$1,581,887 | |
| 3. | Less: Accumulated Depreciation | (594,320) | (599,197) | (604,074) | (608,951) | (613,828) | (618,705) | (623,582) | (628,459) | (633,336) | (638,213) | (643,090) | (647,967) | (652,844) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$987,567 | 982,690 | 977,813 | 972,936 | 968,059 | 963,182 | 958,305 | 953,428 | 948,551 | 943,674 | 938,797 | 933,920 | 929,043 | |
| 6. | Average Net Investment | | 985,129 | 980,252 | 975,375 | 970,498 | 965,621 | 960,744 | 955,867 | 950,990 | 946,113 | 941,236 | 936,359 | 931,482 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$4,731 | \$4,707 | \$4,684 | \$4,661 | \$4,637 | \$4,614 | \$4,625 | \$4,601 | \$4,578 | \$4,554 | \$4,530 | \$4,507 | \$55,429 |
| | b. Debt Component Grossed Up For Taxes (C) | | 1,474 | 1,467 | 1,460 | 1,452 | 1,445 | 1,438 | 1,365 | 1,358 | 1,351 | 1,344 | 1,337 | 1,330 | 16,821 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$4,877 | \$58,524 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 11,082 | 11,051 | 11,021 | 10,990 | 10,959 | 10,929 | 10,867 | 10,836 | 10,806 | 10,775 | 10,744 | 10,714 | 130,774 |
| | a. Recoverable Costs Allocated to Energy | | 11,082 | 11,051 | 11,021 | 10,990 | 10,959 | 10,929 | 10,867 | 10,836 | 10,806 | 10,775 | 10,744 | 10,714 | 130,774 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 11,082 | 11,051 | 11,021 | 10,990 | 10,959 | 10,929 | 10,867 | 10,836 | 10,806 | 10,775 | 10,744 | 10,714 | 130,774 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 3) | \$11,082 | \$11,051 | \$11,021 | \$10,990 | \$10,959 | \$10,929 | \$10,867 | \$10,836 | \$10,806 | \$10,775 | \$10,744 | \$10,714 | \$130,774 |

3000

 Notes:
 (A) Applicable depreciable base for Big Bend; account 312.42
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.7%
(E) Line 9a x Line 10

| Return on Capital Investments, Depreciation and Taxes |
|---|
| For Project: Big Bend Unit 3 Pre-SCR |
| (in Dollars) |

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | \$2,706,507 | |
| 3. | Less: Accumulated Depreciation | (832,202) | (840,155) | (848,108) | (856,061) | (864,014) | (871,967) | (879,920) | (887,873) | (895,826) | (903,779) | (911,732) | (919,685) | (927,638) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$1,874,305 | 1,866,352 | 1,858,399 | 1,850,446 | 1,842,493 | 1,834,540 | 1,826,587 | 1,818,634 | 1,810,681 | 1,802,728 | 1,794,775 | 1,786,822 | 1,778,869 | |
| 6. | Average Net Investment | | 1,870,329 | 1,862,376 | 1,854,423 | 1,846,470 | 1,838,517 | 1,830,564 | 1,822,611 | 1,814,658 | 1,806,705 | 1,798,752 | 1,790,799 | 1,782,846 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$8,982 | \$8,944 | \$8,906 | \$8,867 | \$8,829 | \$8,791 | \$8,819 | \$8,780 | \$8,742 | \$8,703 | \$8,665 | \$8,626 | \$105,654 |
| | b. Debt Component Grossed Up For Taxes (C) | | 2,799 | 2,787 | 2,775 | 2,763 | 2,751 | 2,740 | 2,602 | 2,591 | 2,580 | 2,568 | 2,557 | 2,545 | 32,058 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$7,953 | \$95,436 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 19.734 | 19.684 | 19.634 | 19.583 | 19.533 | 19.484 | 19.374 | 19,324 | 19.275 | 19.224 | 19.175 | 19.124 | 233.148 |
| 0. | a. Recoverable Costs Allocated to Energy | | 19,734 | 19,684 | 19,634 | 19,583 | 19,533 | 19,484 | 19,374 | 19,324 | 19,275 | 19,224 | 19,175 | 19,124 | 233,148 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 10. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | | | | | | | | | | | | | | | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 19,734 | 19,684 | 19,634 | 19,583 | 19,533 | 19,484 | 19,374 | 19,324 | 19,275 | 19,224 | 19,175 | 19,124 | 233,148 |
| 13. | Retail Demand-Related Recoverable Costs (F) | . – | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) _ | \$19,734 | \$19,684 | \$19,634 | \$19,583 | \$19,533 | \$19,484 | \$19,374 | \$19,324 | \$19,275 | \$19,224 | \$19,175 | \$19,124 | \$233,148 |

Notes:

(A) Applicable depreciable base for Big Bend; account 312.43 (\$1,995,677) and 315.43 (\$710,830)
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)
 (C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)
 (D) Applicable depreciation rate is 3.5% and 3.6%

(E) Line 9a x Line 10 (F) Line 9b x Line 11

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 1 SCR (in Dollars)

| | | Beginning of | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | End of Period |
|------|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------|
| Line | Description | Period Amount | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | \$85,719,102 | |
| 3. | Less: Accumulated Depreciation | (28,849,638) | (29,158,804) | (29,467,970) | (29,777,136) | (30,086,302) | (30,395,468) | (30,704,634) | (31,013,800) | (31,322,966) | (31,632,132) | (31,941,298) | (32,250,464) | (32,559,630) | |
| 4. | CWIP - Non-Interest Bearing | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | 1,362,824 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$58,232,288 | 57,923,122 | 57,613,956 | 57,304,790 | 56,995,624 | 56,686,458 | 56,377,292 | 56,068,126 | 55,758,960 | 55,449,794 | 55,140,628 | 54,831,462 | 54,522,296 | |
| 6. | Average Net Investment | | 58,077,705 | 57,768,539 | 57,459,373 | 57,150,207 | 56,841,041 | 56,531,875 | 56,222,709 | 55,913,543 | 55,604,377 | 55,295,211 | 54,986,045 | 54,676,879 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$278,908 | \$277,424 | \$275,939 | \$274,454 | \$272,970 | \$271,485 | \$272,029 | \$270,533 | \$269,037 | \$267,541 | \$266,045 | \$264,550 | \$3,260,915 |
| | b. Debt Component Grossed Up For Taxes (C) | | 86,918 | 86,455 | 85,993 | 85,530 | 85,067 | 84,605 | 80,272 | 79,831 | 79,389 | 78,948 | 78,506 | 78,065 | 989,579 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$309,166 | \$3,709,992 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 674,992 | 673,045 | 671,098 | 669,150 | 667,203 | 665,256 | 661,467 | 659,530 | 657,592 | 655,655 | 653,717 | 651,781 | 7,960,486 |
| | Recoverable Costs Allocated to Energy | | 674,992 | 673,045 | 671,098 | 669,150 | 667,203 | 665,256 | 661,467 | 659,530 | 657,592 | 655,655 | 653,717 | 651,781 | 7,960,486 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 674,992 | 673,045 | 671,098 | 669,150 | 667,203 | 665,256 | 661,467 | 659,530 | 657,592 | 655,655 | 653,717 | 651,781 | 7,960,486 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) | \$674,992 | \$673,045 | \$671,098 | \$669,150 | \$667,203 | \$665,256 | \$661,467 | \$659,530 | \$657,592 | \$655,655 | \$653,717 | \$651,781 | \$7,960,486 |

 Notes:
 (A) Applicable depreciable base for Big Bend; account 311.51 (\$22,278,982), 312.51 (\$48,529,672), 315.51 (\$14,063,245), and 316.51 (\$847,203).

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 4.1%, 4.3%, 4.8% and 4.1%
 (E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 2 SCR (in Dollars)

| Actual | Actual | Actual | Actual | Actual | Actual | Estimate |
|---------|----------|--------|--------|--------|--------|----------|
| January | February | March | April | May | June | July |
| \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Estimate

August

Estimate

September

Estimate

October

Estimate

November

Estimate

December

| | a. Expenditures/Additions b. Clearings to Plant c. Retirements d. Other | | \$0 0 0 0 | \$0 |
|-----|--|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------|
| 2. | Plant-in-Service/Depreciation Base (A) | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | \$95,175,309 | |
| 3. | Less: Accumulated Depreciation | (30,814,532) | (31,122,366) | (31,430,200) | (31,738,034) | (32,045,868) | (32,353,702) | (32,661,536) | (32,969,370) | (33,277,204) | (33,585,038) | (33,892,872) | (34,200,706) | (34,508,540) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$64,360,777 | 64,052,943 | 63,745,109 | 63,437,275 | 63,129,441 | 62,821,607 | 62,513,773 | 62,205,939 | 61,898,105 | 61,590,271 | 61,282,437 | 60,974,603 | 60,666,769 | |
| 6. | Average Net Investment | | 64,206,860 | 63,899,026 | 63,591,192 | 63,283,358 | 62,975,524 | 62,667,690 | 62,359,856 | 62,052,022 | 61,744,188 | 61,436,354 | 61,128,520 | 60,820,686 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | Equity Component Grossed Up For Taxes (B) | | \$308,343 | \$306,864 | \$305,386 | \$303,908 | \$302,429 | \$300,951 | \$301,723 | \$300,234 | \$298,744 | \$297,255 | \$295,765 | \$294,276 | \$3,615,878 |
| | Debt Component Grossed Up For Taxes (C) | | 96,091 | 95,630 | 95,170 | 94,709 | 94,248 | 93,787 | 89,034 | 88,595 | 88,155 | 87,716 | 87,276 | 86,837 | 1,097,248 |
| 8 | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$307.834 | \$307.834 | \$307.834 | \$307.834 | \$307,834 | \$307,834 | \$307,834 | \$307,834 | \$307,834 | \$307,834 | \$307,834 | \$307.834 | \$3.694.008 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 712,268 | 710,328 | 708,390 | 706,451 | 704,511 | 702,572 | 698,591 | 696,663 | 694,733 | 692,805 | 690,875 | 688,947 | 8,407,134 |
| | a. Recoverable Costs Allocated to Energy | | 712,268 | 710,328 | 708,390 | 706,451 | 704,511 | 702,572 | 698,591 | 696,663 | 694,733 | 692,805 | 690,875 | 688,947 | 8,407,134 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | | | 1.000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.000000 | 1.0000000 | 1.000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 712,268 | 710,328 | 708,390 | 706,451 | 704,511 | 702,572 | 698,591 | 696,663 | 694,733 | 692,805 | 690,875 | 688,947 | 8,407,134 |
| 13. | Retail Demand-Related Recoverable Costs (F) | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13) | | \$712,268 | \$710,328 | \$708,390 | \$706,451 | \$704,511 | \$702,572 | \$698,591 | \$696,663 | \$694,733 | \$692,805 | \$690,875 | \$688,947 | \$8,407,134 |

Notes:

Line Description

1. Investments

Beginning of

Period Amount

(A) Applicable depreciable base for Big Bend; account 311.52 (\$25,208,869), 312.52 (\$53,093,397), 315.52 (\$15,914,427), and 316.52 (\$958,616).
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 3.5%, 4.0%, 4.1% and 3.7%.
 (E) Line 9a x Line 10

(F) Line 9b x Line 11

End of

Period

Total

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 3 SCR (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | • • |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | \$81,764,602 | |
| 3. | Less: Accumulated Depreciation | (27,938,697) | (28,190,771) | (28,442,845) | (28,694,919) | (28,946,993) | (29,199,067) | (29,451,141) | (29,703,215) | (29,955,289) | (30,207,363) | (30,459,437) | (30,711,511) | (30,963,585) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$53,825,905 | 53,573,831 | 53,321,757 | 53,069,683 | 52,817,609 | 52,565,535 | 52,313,461 | 52,061,387 | 51,809,313 | 51,557,239 | 51,305,165 | 51,053,091 | 50,801,017 | |
| 6. | Average Net Investment | | 53,699,868 | 53,447,794 | 53,195,720 | 52,943,646 | 52,691,572 | 52,439,498 | 52,187,424 | 51,935,350 | 51,683,276 | 51,431,202 | 51,179,128 | 50,927,054 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$257,885 | \$256,674 | \$255,464 | \$254,253 | \$253,042 | \$251,832 | \$252,505 | \$251,285 | \$250,065 | \$248,846 | \$247,626 | \$246,406 | \$3,025,883 |
| | b. Debt Component Grossed Up For Taxes (C) | | 80,366 | 79,989 | 79,612 | 79,235 | 78,857 | 78,480 | 74,511 | 74,151 | 73,791 | 73,431 | 73,071 | 72,711 | 918,205 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$252,074 | \$3,024,888 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 590,325 | 588,737 | 587,150 | 585,562 | 583,973 | 582,386 | 579,090 | 577,510 | 575.930 | 574,351 | 572.771 | 571.191 | 6,968,976 |
| | a. Recoverable Costs Allocated to Energy | | 590,325 | 588,737 | 587,150 | 585,562 | 583,973 | 582,386 | 579,090 | 577,510 | 575,930 | 574,351 | 572,771 | 571,191 | 6,968,976 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 10. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | Demand ounsaidtionain actor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 590,325 | 588,737 | 587,150 | 585,562 | 583,973 | 582,386 | 579,090 | 577,510 | 575,930 | 574,351 | 572,771 | 571,191 | 6,968,976 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | s) | \$590,325 | \$588,737 | \$587,150 | \$585,562 | \$583,973 | \$582,386 | \$579,090 | \$577,510 | \$575,930 | \$574,351 | \$572,771 | \$571,191 | \$6,968,976 |

2

 Notes:
 (A) Applicable depreciable base for Big Bend; account 311.53 (\$21,689,422), 312.53 (\$45,559,543), 315.53 (\$13,690,954), and 316.53 (\$824,684).

 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 3.1%, 3.9%, 4.0%, and 3.4%
 (E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 4 SCR (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| LINE | Description | T ellou Alliouni | January | rebluary | Warch | Арпі | iviay | Julie | July | August | Geptember | Octobel | November | December | Total |
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | (\$34) | \$431 | \$2,699 | \$5,941 | \$7,263 | \$450,000 | \$0 | \$450,000 | \$0 | \$0 | \$0 | \$916,300 |
| | b. Clearings to Plant | | 0 | (34) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (34) |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$65,312,615 | \$65,312,615 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | \$65,312,581 | |
| 3. | Less: Accumulated Depreciation | (22,513,773) | (22,701,483) | (22,889,193) | (23,076,903) | (23,264,613) | (23,452,323) | (23,640,033) | (23,827,743) | (24,015,453) | (24,203,163) | (24,390,873) | (24,578,583) | (24,766,293) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 431 | 3,131 | 9,071 | 16,335 | 466,335 | 466,335 | 916,335 | 916,335 | 916,335 | 916,335 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$42,798,842 | 42,611,132 | 42,423,388 | 42,236,109 | 42,051,098 | 41,869,329 | 41,688,882 | 41,951,172 | 41,763,462 | 42,025,752 | 41,838,042 | 41,650,332 | 41,462,622 | |
| 6. | Average Net Investment | | 42,704,987 | 42,517,260 | 42,329,748 | 42,143,603 | 41,960,213 | 41,779,105 | 41,820,027 | 41,857,317 | 41,894,607 | 41,931,897 | 41,744,187 | 41,556,477 | |
| | - | | | | | | | | | | | | | | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | Equity Component Grossed Up For Taxes (B) | | \$205,084 | \$204,182 | \$203,282 | \$202,388 | \$201,507 | \$200,637 | \$202,343 | \$202,523 | \$202,704 | \$202,884 | \$201,976 | \$201,068 | \$2,430,578 |
| | b. Debt Component Grossed Up For Taxes (C) | | 63,912 | 63,631 | 63,350 | 63,071 | 62,797 | 62,526 | 59,709 | 59,762 | 59,815 | 59,868 | 59,600 | 59,332 | 737,373 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$187,710 | \$2,252,520 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 456,706 | 455,523 | 454,342 | 453,169 | 452,014 | 450,873 | 449,762 | 449,995 | 450.229 | 450,462 | 449.286 | 448.110 | 5,420,471 |
| | a. Recoverable Costs Allocated to Energy | | 456,706 | 455,523 | 454,342 | 453,169 | 452,014 | 450,873 | 449,762 | 449,995 | 450,229 | 450,462 | 449,286 | 448,110 | 5,420,471 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 456,706 | 455.523 | 454.342 | 453.169 | 452,014 | 450.873 | 449.762 | 449.995 | 450.229 | 450.462 | 449.286 | 448.110 | 5,420,471 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 00,020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,120,111 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13) |) | \$456,706 | \$455,523 | \$454,342 | \$453,169 | \$452,014 | \$450,873 | \$449,762 | \$449,995 | \$450,229 | \$450,462 | \$449,286 | \$448,110 | \$5,420,471 |

C

Notes: (A) Applicable depreciable base for Big Bend; account 311.54 (\$16,857,250), 312.54 (\$36,567,266), 315.54 (\$10,642,027), 316.54 (\$687,934), and 315.40 (\$558,103) (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rates are 2.4%, 3.8%, 3.9%, 3.3%, and 3.7%
 (E) Line 9a x Line 10

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend FGD System Reliability (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|--|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | \$24,336,707 | |
| 3. | Less: Accumulated Depreciation | (4,600,662) | (4,651,971) | (4,703,280) | (4,754,589) | (4,805,898) | (4,857,207) | (4,908,516) | (4,959,825) | (5,011,134) | (5,062,443) | (5,113,752) | (5,165,061) | (5,216,370) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$19,736,045 | 19,684,736 | 19,633,427 | 19,582,118 | 19,530,809 | 19,479,500 | 19,428,191 | 19,376,882 | 19,325,573 | 19,274,264 | 19,222,955 | 19,171,646 | 19,120,337 | |
| 6. | Average Net Investment | | 19,710,391 | 19,659,082 | 19,607,773 | 19,556,464 | 19,505,155 | 19,453,846 | 19,402,537 | 19,351,228 | 19,299,919 | 19,248,610 | 19,197,301 | 19,145,992 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$94,656 | \$94,409 | \$94,163 | \$93,917 | \$93,670 | \$93,424 | \$93,878 | \$93,629 | \$93,381 | \$93,133 | \$92,885 | \$92,636 | \$1,123,781 |
| | b. Debt Component Grossed Up For Taxes (C) | | 29,498 | 29,421 | 29,345 | 29,268 | 29,191 | 29,114 | 27,702 | 27,629 | 27,555 | 27,482 | 27,409 | 27,336 | 340,950 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| 0. | a. Depreciation (D) | | \$51,309 | \$51,309 | \$51,309 | \$51.309 | \$51,309 | \$51,309 | \$51,309 | \$51,309 | \$51.309 | \$51,309 | \$51,309 | \$51.309 | \$615,708 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 175,463 | 175,139 | 174,817 | 174,494 | 174,170 | 173,847 | 172,889 | 172,567 | 172,245 | 171,924 | 171,603 | 171,281 | 2,080,439 |
| 0. | a. Recoverable Costs Allocated to Energy | | 175,463 | 175,139 | 174,817 | 174,494 | 174,170 | 173,847 | 172,889 | 172,567 | 172,245 | 171,924 | 171,603 | 171,281 | 2,080,439 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 175,463 | 175,139 | 174,817 | 174,494 | 174,170 | 173,847 | 172,889 | 172,567 | 172,245 | 171,924 | 171,603 | 171,281 | 2,080,439 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) | \$175,463 | \$175,139 | \$174,817 | \$174,494 | \$174,170 | \$173,847 | \$172,889 | \$172,567 | \$172,245 | \$171,924 | \$171,603 | \$171,281 | \$2,080,439 |

Notes:

(A) Applicable depreciable base for Big Bend; account 312.45 (\$22,880,499) and 312.44 (\$1,456,209).
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)
 (C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)
 (D) Applicable depreciation rate is 2.5% and 3.0%.

(E) Line 9a x Line 10 (F) Line 9b x Line 11

Return on Capital Investments, Depreciation and Taxes For Project: Mercury Air Toxics Standards (MATS) (in Dollars)

| | | | | | | | | | | | | | | | End of |
|------|---|---------------|-------------|-------------|-----------------------|-------------|------------------|-------------|-------------|-------------|---------------|------------------|-------------|-------------|--------------------|
| | | Beginning of | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | Period |
| Line | Description | Period Amount | January | February | March | April | May | June | July | August | September | October | November | December | Total |
| 1 | Investments | | | | | | | | | | | | | | |
| 1. | a. Expenditures/Additions | | \$0 | \$0 | \$21,483 | \$0 | \$0 | \$0 | \$20,095 | \$0 | \$350.000 | \$0 | \$0 | \$0 | \$391,578 |
| | b. Clearings to Plant | | φ0 0 | 0 | φ <u>2</u> 1,400 0 | 21.483 | 0 | φ0 0 | φ20,000 | φ0 0 | φ000,000 0 | φ0 0 | 0 | 20,095 | 41.578 |
| | c. Retirements | | ő | Ő | Ő | 21,100 | Ő | ő | Ő | Ő | Ő | ő | ő | 20,000 | 11,010 |
| | d. Other - AFUDC (excl from CWIP) | | 0 | õ | 0 | õ | 0 | 0 | Ō | 0 | Ō | 0 | 0 0 | õ | |
| | | | | | | | | | | | | | | | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$8,586,395 | \$8,586,395 | \$8,586,395 | \$8,586,395 | \$8,607,879 | \$8,607,879 | \$8,607,879 | \$8,607,879 | \$8,607,879 | \$8,607,879 | \$8,607,879 | \$8,607,879 | \$8,627,974 | |
| 3. | Less: Accumulated Depreciation | (1,155,720) | (1,177,599) | (1,199,478) | (1,221,357) | (1,243,236) | (1,265,371) | (1,287,506) | (1,309,641) | (1,331,776) | (1,353,911) | (1,376,046) | (1,398,181) | (1,420,316) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 21,483 | 0 | 0 | 0 | 20,095 | 20,095 | 370,095 | 370,095 | 370,095 | 350,000 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$7,430,675 | 7,408,796 | 7,386,917 | 7,386,522 | 7,364,643 | 7,342,508 | 7,320,373 | 7,318,333 | 7,296,198 | 7,624,063 | 7,601,928 | 7,579,793 | 7,557,658 | |
| | | | | | | | | | | | | | | | |
| 6. | Average Net Investment | | 7,419,736 | 7,397,857 | 7,386,720 | 7,375,582 | 7,353,575 | 7,331,440 | 7,319,353 | 7,307,265 | 7,460,130 | 7,612,995 | 7,590,860 | 7,568,725 | |
| 7 | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$35,632 | \$35,527 | \$35,473 | \$35,420 | \$35,314 | \$35,208 | \$35,414 | \$35,356 | \$36,095 | \$36,835 | \$36,728 | \$36,621 | \$429,623 |
| | b. Debt Component Grossed Up For Taxes (C) | | 11,104 | 11,072 | 11,055 | 11,038 | 11,005 | 10,972 | 10,450 | 10,433 | 10,651 | 10,869 | 10,838 | 10,806 | 130,293 |
| | | | , | ,= | , | , | , | | | | | | | , | , |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$21,879 | \$21,879 | \$21,879 | \$21,879 | \$22,135 | \$22,135 | \$22,135 | \$22,135 | \$22,135 | \$22,135 | \$22,135 | \$22,135 | \$264,596 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | Total System Recoverable Expenses (Lines 7 + 8) | | 68,615 | 68,478 | 68,407 | 68,337 | 68.454 | 68,315 | 67.999 | 67.924 | 68.881 | 69,839 | 69,701 | 69,562 | 824,512 |
| 9. | a. Recoverable Costs Allocated to Energy | | 68,615 | 68,478 | 68,407 | 68,337 | 68,454 68,454 | 68,315 | 67,999 | 67,924 | 68,881 | 69,839 69,839 | 69,701 | 69,562 | 824,512 824,512 |
| | b. Recoverable Costs Allocated to Demand | | 00,015 | 00,478 | 00,407 | 00,337 | 00,454 | 00,315 | 07,999 | 07,924 | 00,001 | 09,039 | 09,701 | 09,502 | 024,512 |
| | b. Recoverable costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | | | | | | | | | | | | | | | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 68,615 | 68,478 | 68,407 | 68,337 | 68,454 | 68,315 | 67,999 | 67,924 | 68,881 | 69,839 | 69,701 | 69,562 | 824,512 |
| 13. | Retail Demand-Related Recoverable Costs (F) | _ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 3) | \$68,615 | \$68,478 | \$68,407 | \$68,337 | \$68,454 | \$68,315 | \$67,999 | \$67,924 | \$68,881 | \$69,839 | \$69,701 | \$69,562 | \$824,512 |

Notes:

(A) Applicable depreciable base for Big Bend and Polk; accounts 312.44 (\$3,427,481), 341.80(\$26,150), 315.40 (\$1,226,949), 315.41 (\$138,853), 315.42 (\$138,853), 312.45 (\$2,053,017), 312.46 (\$1,242,315), 315.44 (\$16,035), 315.45 (\$40,217) and 315.46 (\$50,784), 311.40 (\$13,216), 345.81 (\$22,327), 312.54 (\$210,295) and 395.00 (\$21,483)

(B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(c) Line 6 v3.72207 x 172 (Jan-Jul) and Line 6 x 1.7133% x 172 (Jul-Dec).
 (D) Applicable depreciation rate is 3.0%, 2.2%, 3.7%, 3.5%, 3.3%, 2.5%, 3.3%, 3.2%, 3.1%, 3.5%, 2.9%, 3.3%, 3.8% and 14.3%

(E) Line 9a x Line 10

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

For Project: SO₂ Emissions Allowances (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Purchases/Transfers | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Sales/Transfers | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Auction Proceeds/Other | | 0 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 97 |
| 2. | Working Capital Balance | | | | | | | | | | | | | | |
| | a. FERC 158.1 Allowance Inventory | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| | b. FERC 158.2 Allowances Withheld | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. FERC 182.3 Other Regl. Assets - Losses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| - | d. FERC 254.01 Regulatory Liabilities - Gains | (34,513) | (34,472) | (34,472) | (34,472) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | |
| 3. | Total Working Capital Balance | (\$34,513) | (34,472) | (34,472) | (34,472) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | |
| 4. | Average Net Working Capital Balance | | (34,493) | (34,472) | (34,472) | (34,456) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | (34,440) | |
| 5. | Return on Average Net Working Capital Balance | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (A) | | (\$166) | (\$166) | (\$166) | (\$165) | (\$165) | (\$165) | (\$167) | (\$167) | (\$167) | (\$167) | (\$167) | (\$167) | (\$1,995) |
| | b. Debt Component Grossed Up For Taxes (B) | | (52) | (52) | (52) | (52) | (52) | (52) | (49) | (49) | (49) | (49) | (49) | (49) | (606) |
| 6. | Total Return Component | _ | (218) | (218) | (218) | (217) | (217) | (217) | (216) | (216) | (216) | (216) | (216) | (216) | (2,601) |
| 7. | Expenses: | | | | | | | | | | | | | | |
| | a. Gains | | 0 | 0 | 0 | 0 | 0 | (97) | 0 | 0 | 0 | 0 | 0 | 0 | (97) |
| | b. Losses | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. SO ₂ Allowance Expense | | (34) | 5 | 8 | (16) | 22 | 14 | (50) | 12 | 12 | (33) | 12 | 12 | (36) |
| 8. | Net Expenses (D) | _ | (34) | 5 | 8 | (16) | 22 | (83) | (50) | 12 | 12 | (33) | 12 | 12 | (133) |
| 9 | Total System Recoverable Expenses (Lines 6 + 8) | | (252) | (213) | (210) | (233) | (195) | (300) | (266) | (204) | (204) | (249) | (204) | (204) | (2,734) |
| | a. Recoverable Costs Allocated to Energy | | (252) | (213) | (210) | (233) | (195) | (300) | (266) | (204) | (204) | (249) | (204) | (204) | (2,734) |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | (252) | (213) | (210) | (233) | (195) | (300) | (266) | (204) | (204) | (249) | (204) | (204) | (2,734) |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Juris. Recoverable Costs (Lines 12 + 13) | - | (\$252) | (\$213) | (\$210) | (\$233) | (\$195) | (\$300) | (\$266) | (\$204) | (\$204) | (\$249) | (\$204) | (\$204) | (\$2,734) |

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Notes: (A) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295) (B) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec) (C) Line 6 is reported on Schedule 7E.

(D) Line 8 is reported on Schedule 5E.

(E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes

For Project: Big Bend Gypsum Storage Facility (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1 | Investments | | | | | | | | | | | | | | |
| 1. | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other - AFUDC (excl from CWIP) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | \$21,467,359 | |
| 3. | Less: Accumulated Depreciation | (1,909,779) | (1,961,658) | (2,013,537) | (2,065,416) | (2,117,295) | (2,169,174) | (2,221,053) | (2,272,932) | (2,324,811) | (2,376,690) | (2,428,569) | (2,480,448) | (2,532,327) | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$19,557,580 | 19,505,701 | 19,453,822 | 19,401,943 | 19,350,064 | 19,298,185 | 19,246,306 | 19,194,427 | 19,142,548 | 19,090,669 | 19,038,790 | 18,986,911 | 18,935,032 | |
| 6. | Average Net Investment | | 19,531,641 | 19,479,762 | 19,427,883 | 19,376,004 | 19,324,125 | 19,272,246 | 19,220,367 | 19,168,488 | 19,116,609 | 19,064,730 | 19,012,851 | 18,960,972 | |
| 7 | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$93,797 | \$93,548 | \$93,299 | \$93,050 | \$92,801 | \$92,552 | \$92,996 | \$92,745 | \$92,494 | \$92,243 | \$91,992 | \$91,741 | \$1,113,258 |
| | b. Debt Component Grossed Up For Taxes (C) | | 29,231 | 29,153 | 29,075 | 28,998 | 28,920 | 28,843 | 27,442 | 27,368 | 27,294 | 27,220 | 27,146 | 27,072 | 337,762 |
| | | | | | | | | | | | | | | | |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$51,879 | \$622,548 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes e. Other | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | U | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 174,907 | 174,580 | 174,253 | 173,927 | 173,600 | 173,274 | 172,317 | 171,992 | 171,667 | 171,342 | 171.017 | 170,692 | 2,073,568 |
| | a. Recoverable Costs Allocated to Energy | | 174,907 | 174,580 | 174,253 | 173,927 | 173,600 | 173,274 | 172,317 | 171,992 | 171,667 | 171,342 | 171,017 | 170,692 | 2,073,568 |
| | Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 174,907 | 174,580 | 174,253 | 173,927 | 173,600 | 173,274 | 172,317 | 171,992 | 171,667 | 171,342 | 171,017 | 170,692 | 2,073,568 |
| 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 |) | \$174,907 | \$174,580 | \$174,253 | \$173,927 | \$173,600 | \$173,274 | \$172,317 | \$171,992 | \$171,667 | \$171,342 | \$171,017 | \$170,692 | \$2,073,568 |
| | | | | | | | | | | | | | | | |

Notes: (A) Applicable depreciable base for Big Bend; accounts 311.40 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 2.9%
(E) Line 9a x Line 10

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Coal Combustion Residual (CCR Rule) - Phase I (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|----------------|--|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------|-------------------------|-----------------------------------|-----------------------------------|------------------------------|---------------------------|
| 1. | Investments a. Expenditures/Additions b. Clearings to Plant | | \$5,637 0 | \$51,314 0 | \$6,003 0 | \$11,226 0 | \$6,964 0 | \$13,389 0 | \$507,799 0 | \$140,200 842,772 | \$505,323 505,323 | \$121,700 111,700 | \$49,700 29,700 | \$190,184 220,184 | \$1,609,440 1,709,679 |
| | c. Retirements d. Other - AFUDC (excl from CWIP) | | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | |
| 2. 3. 4. | Plant-in-Service/Depreciation Base (A) Less: Accumulated Depreciation CWIP - Non-Interest Bearing | \$668,735 (8,097) 100,239 | \$668,735 (9,769) 105,876 | \$668,735 (11,441) 157,191 | \$668,735 (13,113) 163,194 | \$668,735 (14,785) 174,420 | \$668,735 (16,457) 181,384 | \$668,735 (18,129) 194,773 | \$668,735 (19,801) 702,572 | \$1,511,507 (21,473) | \$2,016,830 (25,252) | \$2,128,530 (30,294) 10,000 | \$2,158,230 (35,615) 30,000 | \$2,378,414 (41,011) 0 | |
| 4. 5. | Net Investment (Lines 2 + 3 + 4) | \$760,877 | 764,842 | 814,485 | 818,816 | 828,370 | 833,662 | 845,379 | 1,351,506 | 1,490,034 | 1,991,578 | 2,108,236 | 2,152,615 | 2,337,403 | |
| 6. | Average Net Investment | | 762,860 | 789,663 | 816,650 | 823,593 | 831,016 | 839,520 | 1,098,442 | 1,420,770 | 1,740,806 | 2,049,907 | 2,130,425 | 2,245,009 | |
| 7. | Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) | | \$3,664 | \$3,792 | \$3,922 | \$3,955 | \$3,991 | \$4,032 | \$5,315 | \$6,874 | \$8,423 | \$9,918 | \$10,308 | \$10,862 | \$75,056 |
| | b. Debt Component Grossed Up For Taxes (C) | | 1,142 | 1,182 | 1,222 | 1,233 | 1,244 | 1,256 | 1,568 | 2,029 | 2,485 | 2,927 | 3,042 | 3,205 | 22,535 |
| 8. | Investment Expenses a. Depreciation (D) b. Amortization | | \$1,672 0 | \$1,672 0 | \$1,672 0 | \$1,672 0 | \$1,672 0 | \$1,672 0 | \$1,672 0 | \$1,672 0 | \$3,779 0 | \$5,042 0 | \$5,321 0 | \$5,396 0 | \$32,914 0 |
| | c. Dismantlement d. Property Taxes e. Other | | 0 0 0 | 0 0 0 | 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 0 0 | 0 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | - | 6,478 | 6,646 | 6,816 | 6,860 | 6,907 | 6,960 | 8,555 | 10,575 | 14,687 | 17,887 | 18,671 | 19,463 | 130,505 |
| 9. | a. Recoverable Costs Allocated to Energy b. Recoverable Costs Allocated to Demand | | 6,478 0 6,478 | 6,646 0 6,646 | 6,816 0 | 6,860 0 6,860 | 6,907 0 6,907 | 6,960 0 6,960 | 8,555 0 8,555 | 10,575 0 10,575 | 14,687 0 14,687 | 17,887 0 17,887 | 18,671 0 18,671 | 19,463 0 19,463 | 130,505 0 130,505 |
| 10. 11. | Energy Jurisdictional Factor Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | 1.0000000 1.0000000 | |
| 12. 13. | Retail Energy-Related Recoverable Costs (E) Retail Demand-Related Recoverable Costs (F) | | 0 6.478 | 0 6.646 | 0 6.816 | 0 6.860 | 0 6.907 | 0 6.960 | 0 8.555 | 0 10.575 | 0 14.687 | 0 17.887 | 0 18.671 | 0 19.463 | 0 130,505 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13) |) - | \$6,478 | \$6,646 | \$6,816 | \$6,860 | \$6,907 | \$6,960 | \$8,555 | \$10,575 | \$14,687 | \$17,887 | \$18,671 | \$19,463 | \$130,505 |

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Notes: (A) Applicable depreciable base for Big Bend; accounts 312.44 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.0%
(E) Line 9a x Line 10

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Coal Combustion Residuals (CCR Rule - Phase II) (in Dollars)

| Line | Description | Beginning of Period Amount | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|---|-------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$64 | \$788 | \$436 | \$934 | \$2,259 | \$18,519 | \$18,519 | \$18,519 | \$18,519 | \$18,519 | \$18,519 | \$115,595 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other - AFUDC (excl from CWIP) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3. | Less: Accumulated Depreciation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 64 | 851 | 1,287 | 2,221 | 4,481 | 23,000 | 41,519 | 60,038 | 78,557 | 97,076 | 115,595 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$0 | 0 | 64 | 851 | 1,287 | 2,221 | 4,481 | 23,000 | 41,519 | 60,038 | 78,557 | 97,076 | 115,595 | |
| 6. | Average Net Investment | | 0 | 32 | 457 | 1,069 | 1,754 | 3,351 | 13,740 | 32,259 | 50,778 | 69,297 | 87,816 | 106,335 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$0 | \$0 | \$2 | \$5 | \$8 | \$16 | \$66 | \$156 | \$246 | \$335 | \$425 | \$514 | \$1,773 |
| | b. Debt Component Grossed Up For Taxes (C) | | 0 | 0 | 1 | 2 | 3 | 5 | 20 | 46 | 72 | 99 | 125 | 152 | 525 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 0 | 0 | 3 | 7 | 11 | 21 | 86 | 202 | 318 | 434 | 550 | 666 | 2,298 |
| | Recoverable Costs Allocated to Energy | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 3 | 7 | 11 | 21 | 86 | 202 | 318 | 434 | 550 | 666 | 2,298 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Retail Demand-Related Recoverable Costs (F) | _ | 0 | 0 | 3 | 7 | 11 | 21 | 86 | 202 | 318 | 434 | 550 | 666 | 2,298 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 13 | 3) | \$0 | \$0 | \$3 | \$7 | \$11 | \$21 | \$86 | \$202 | \$318 | \$434 | \$550 | \$666 | \$2,298 |

(C

 Notes:
 (A) Applicable depreciable base for Big Bend; accounts 312.44
 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 3.0%
(E) Line 9a x Line 10

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend ELG Rule Compliance (in Dollars)

| Line | Description | Beginning of Period Amoun | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|--|------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Investments | | | | | | | | | | | | | | |
| | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$50,000 | \$50,000 | \$50,000 | \$150,000 |
| | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c. Retirements | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | d. Other - AFUDC (excl from CWIP) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. | Plant-in-Service/Depreciation Base (A) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3. | Less: Accumulated Depreciation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4. | CWIP - Non-Interest Bearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50,000 | 100,000 | 150,000 | |
| 5. | Net Investment (Lines 2 + 3 + 4) | \$0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50,000 | 100,000 | 150,000 | |
| 6. | Average Net Investment | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25,000 | 75,000 | 125,000 | |
| 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| | a. Equity Component Grossed Up For Taxes (B) | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$121 | \$363 | \$605 | \$1,089 |
| | b. Debt Component Grossed Up For Taxes (C) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 107 | 178 | 321 |
| 8. | Investment Expenses | | | | | | | | | | | | | | |
| | a. Depreciation (D) | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | c. Dismantlement | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | d. Property Taxes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Total System Recoverable Expenses (Lines 7 + 8) | | 0 | 0 | 0 | 0 | Ō | 0 | 0 | 0 | 0 | 157 | 470 | 783 | 1,410 |
| | a. Recoverable Costs Allocated to Energy | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 157 | 470 | 783 | 1,410 |
| 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 11. | | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| 12. | Retail Energy-Related Recoverable Costs (E) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Retail Demand-Related Recoverable Costs (F) | _ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 157 | 470 | 783 | 1,410 |
| 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 1 | 3) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$157 | \$470 | \$783 | \$1,410 |

Notes: (A) Applicable depreciable base for Big Bend; accounts 312.45 (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 2.5%
(E) Line 9a x Line 10

(F) Line 9b x Line 11

CT

Calculation of the Current Period Actual / Estimated Amount January 2018 to December 2018

Return on Capital Investments, Depreciation and Taxes For Project: Big Bend Unit 1 Section 316(b) Impingement Mortality (in Dollars)

| b. Clearings to Plant 0 | Line | Description | Beginning of Period Amoun | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|---|------|--|------------------------------|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| b. Clearings to Plant 0 | 1. | Investments | | | | | | | | | | | | | | |
| c. Retirements 0 | | a. Expenditures/Additions | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$75,000 | \$400,000 | \$500,000 | \$500,000 | \$500,000 | \$500,000 | \$2,475,000 |
| d. Other - AFUDC (axcl from CWIP) 0 | | b. Clearings to Plant | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2. Plantin - Service/Depreciation Base (A) S0 S0 <ths0< th=""> S0 S0 S0<!--</td--><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td></td></ths0<> | | | | 0 | | | | | | | | 0 | 0 | 0 | 0 | |
| 3. Less: Accumulated Depreciation 0 | | d. Other - AFUDC (excl from CWIP) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4. CWIP - Non-Interest Bearing 0 0 0 0 0 0 75,000 475,000 975,000 1,475,000 1,975,000 2,475,000 5. Net Investment (Lines 2 + 3 + 4) 0 0 0 0 0 0 0 0 75,000 475,000 975,000 1,475,000 1,975,000 2,475,000 6. Average Net Investment 0 0 0 0 0 0 37,500 275,000 725,000 1,275,000 2,225,000 7. Return on Average Net Investment . | 2. | Plant-in-Service/Depreciation Base (A) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 5. Net Investment (Lines 2 + 3 + 4) \$0 0 0 0 0 0 0 75,000 475,000 975,000 1,475,000 1,975,000 2,475,000 6. Average Net Investment 0 0 0 0 0 0 37,500 275,000 725,000 1,225,000 1,725,000 2,225,000 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,331 \$3,508 \$5,927 \$8,346 \$10,765 \$1 b. Debt Component Grossed Up For Taxes (C) 0 0 0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,331 \$3,508 \$5,927 \$8,346 \$10,765 \$2 8. Investment Expenses a. Depreciation (D) \$0 | 3. | Less: Accumulated Depreciation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6. Average Net Investment 0 0 0 0 0 37,500 275,000 725,000 1,225,000 2,225,000 7. Return on Average Net Investment | 4. | | 0 | 0 | - | | | | | | | | | | | |
| 7. Return on Average Net Investment a. Equity Component Grossed Up For Taxes (B) b. Debt Component Grossed Up For Taxes (C) 8. Investment Expenses a. Depreciation (D) b. Amortization 0 0<!--</td--><td>5.</td><td>Net Investment (Lines 2 + 3 + 4)</td><td>\$0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>75,000</td><td>475,000</td><td>975,000</td><td>1,475,000</td><td>1,975,000</td><td>2,475,000</td><td></td> | 5. | Net Investment (Lines 2 + 3 + 4) | \$0 | 0 | 0 | 0 | 0 | 0 | 0 | 75,000 | 475,000 | 975,000 | 1,475,000 | 1,975,000 | 2,475,000 | |
| a. Equity Component Grossed Up For Taxes (B) \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$1,31 \$1,311 \$1,331 \$1,331 </td <td>6.</td> <td>Average Net Investment</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>37,500</td> <td>275,000</td> <td>725,000</td> <td>1,225,000</td> <td>1,725,000</td> <td>2,225,000</td> <td></td> | 6. | Average Net Investment | | 0 | 0 | 0 | 0 | 0 | 0 | 37,500 | 275,000 | 725,000 | 1,225,000 | 1,725,000 | 2,225,000 | |
| b. Debt Component Grossed Up For Taxes (C) 0 0 0 0 54 393 1,035 1,749 2,463 3,177 8. Investment Expenses a. Depreciation (D) \$0 \$ | 7. | Return on Average Net Investment | | | | | | | | | | | | | | |
| 8. Investment Expenses a. Depreciation (D) b. Amortization \$0 | | | | \$0 | \$0 | | \$0 | \$0 | \$0 | \$181 | | | | | | \$30,058 |
| a. Depreciation (D) \$0 | | b. Debt Component Grossed Up For Taxes (C) | | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 393 | 1,035 | 1,749 | 2,463 | 3,177 | 8,871 |
| b. Amortization 0 | 8. | Investment Expenses | | | | | | | | | | | | | | |
| c. Dismantlement 0 | | a. Depreciation (D) | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| d. Property Taxes 0 | | b. Amortization | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| e. Other 0< | | | | 0 | | | | | | | | 0 | 0 | 0 | 0 | 0 |
| 9. Total System Recoverable Expenses (Lines 7 + 8) 0 | | | | 0 | - | | | | | - | - | - | 0 | 0 | 0 | 0 |
| a. Recoverable Costs Allocated to Energy 0 <td></td> <td>e. Other</td> <td>-</td> <td>0</td> | | e. Other | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| b. Recoverable Costs Allocated to Demand 0 0 0 0 0 235 1,724 4,543 7,676 10,809 13,942 10. Energy Jurisdictional Factor 1.0000000 1.000000 1.000000< | 9. | | | 0 | 0 | | 0 | 0 | 0 | 235 | 1,724 | 4,543 | 7,676 | 10,809 | 13,942 | 38,929 |
| 10. Energy Jurisdictional Factor 1.00000000 1.0000000 1 | | | | 0 | 0 | | 0 | | | | | | | 0 | 0 | 0 |
| 11. Demand Jurisdictional Factor 1.0000000 | | b. Recoverable Costs Allocated to Demand | | 0 | 0 | 0 | 0 | 0 | 0 | 235 | 1,724 | 4,543 | 7,676 | 10,809 | 13,942 | 38,929 |
| 11. Demand Jurisdictional Factor 1.0000000 | 10. | Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | |
| | | | | | | | | | | | | | | | | |
| | 12. | Retail Energy-Related Recoverable Costs (E) | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 13. | Retail Demand-Related Recoverable Costs (F) | | 0 | | | | | | | | | | | | 38,929 |
| 14. Total Jurisdictional Recoverable Costs (Lines 12 + 13) \$0 \$0 \$0 \$0 \$0 \$0 \$235 \$1,724 \$4,543 \$7,676 \$10,809 \$13,942 \$235 | 14. | Total Jurisdictional Recoverable Costs (Lines 12 + 1 | 3) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$235 | \$1,724 | \$4,543 | \$7,676 | \$10,809 | \$13,942 | \$38,929 |

Notes: (A) Applicable depreciable base for Big Bend; accounts 316.46 (\$0) and 346.30 (\$0) (B) Line 6 x 5.7628% x 1/12 (Jan-Jun) and Line 6 x 5.8061% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295)

(C) Line 6 x 1.7959% x 1/12 (Jan-Jun) and Line 6 x 1.7133% x 1/12 (Jul-Dec)

(D) Applicable depreciation rate is 2.9 and 3.2%
(E) Line 9a x Line 10

DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-2, DOCUMENT NO. 9, PAGE 1 OF 2

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount January 2018 to June 2018 Form 42 - 9E Page 1 of 2

Calculation of Revenue Requirement Rate of Return

(In Dollars)

| | | (1) | (2) | (3) | (4) | |
|--|-----|---------------------------|----------------|-----------------|----------------|----------------|
| | | urisdictional | | | Weighted | |
| | 5 | Rate Base | | Cost | Cost | |
| | Act | tual May 2017 | Ratio | Rate | Rate | |
| | | (\$000) | % | % | % | |
| Long Term Debt | \$ | 1,611,554 | 33.14% | 5.12% | 1.6968% | |
| Short Term Debt | | 118,708 | 2.44% | 1.55% | 0.0378% | |
| Preferred Stock | | 0 | 0.00% | 0.00% | 0.0000% | |
| Customer Deposits | | 101,181 | 2.08% | 2.55% | 0.0531% | |
| Common Equity | | 2,031,177 | 41.77% | 10.25% | 4.2815% | |
| Accum. Deferred Inc. Taxes & Zero Cost ITC's | | 988,845 | 20.34% | 0.00% | 0.0000% | |
| Deferred ITC - Weighted Cost | | <u>11,216</u> | <u>0.23%</u> | 7.78% | <u>0.0179%</u> | |
| Total | \$ | 4,862,681 | <u>100.00%</u> | | <u>6.09%</u> | |
| | | | | | | |
| ITC split between Debt and Equity: | | | | | | |
| Long Term Debt | \$ | 1,611,554 | L | ong Term De | bt | 42.84% |
| Short Term Debt | * | 118,708 | | Short Term De | | 3.16% |
| Equity - Preferred | | 0 | E | Equity - Prefer | red | 0.00% |
| Equity - Common | | 2,031,177 | E | Equity - Comn | non | <u>54.00%</u> |
| | | | | | | |
| Total | \$ | 3,761,439 | | Total | | <u>100.00%</u> |
| | | | | | | |
| Deferred ITC - Weighted Cost: | | | | | | |
| Debt = 0.0179% * 46.00% | | 0.0082% | | | | |
| Equity = 0.0179% * 54.00% | | 0.0097% | | | | |
| Weighted Cost | | 0.0179% | | | | |
| - | | | | | | |
| | | | | | | |
| Total Equity Cost Rate: | | | | | | |
| Preferred Stock | | 0.0000% | | | | |
| Common Equity | | 4.2815% 0.0097% | | | | |
| Deferred ITC - Weighted Cost | | <u>0.0097%</u> 4.2912% | | | | |
| Times Tax Multiplier | | 1.34295 | | | | |
| Total Equity Component | | 5.7628% | | | | |
| | | <u>0.102070</u> | | | | |
| | | | | | | |
| Total Debt Cost Rate: | | | | | | |
| Long Term Debt | | 1.6968% | | | | |
| Short Term Debt | | 0.0378% | | | | |
| Customer Deposits | | 0.0531% | | | | |
| Deferred ITC - Weighted Cost | | <u>0.0082%</u> | | | | |
| Total Debt Component | | <u>1.7959%</u> | | | | |
| | | 7.5587% | | | | |
| | _ | | | | | |

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2017 Settlement Agreement Dated September 27, 2017. Column (2) - Column (1) / Total Column (1)

Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2017 Settlement Agreement Dated September 27, 2017. Column (4) - Column (2) x Column (3)

DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-2, DOCUMENT NO. 9, PAGE 2 OF 2

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount July 2018 to December 2018 Form 42 - 9E Page 2 of 2

Calculation of Revenue Requirement Rate of Return

(In Dollars)

| | | <i></i> | | | (1) | |
|--|-----------|-----------------------------|-----------------|-------------------|----------------|----------------|
| | | (1) | (2) | (3) | (4) | |
| | | Jurisdictional | | o <i>i</i> | Weighted | |
| | ٨ | Rate Base ctual May 2018 | Ratio | Cost Rate | Cost Rate | |
| | A | (\$000) | Kalio % | Kale % | % | |
| Long Term Debt | \$ | 1,719,219 | 30.51% | 5.13% | 1.5652% | |
| Short Term Debt | + | 244,333 | 4.34% | 2.18% | 0.0945% | |
| Preferred Stock | | 0 | 0.00% | 0.00% | 0.0000% | |
| Customer Deposits | | 96,005 | 1.70% | 2.43% | 0.0414% | |
| Common Equity | | 2,367,502 | 42.02% | 10.25% | 4.3067% | |
| Accum. Deferred Inc. Taxes & Zero Cost ITC's Deferred ITC - Weighted Cost | | 1,187,473 | 21.07% 0.36% | 0.00% 8.10% | 0.0000% | |
| Deletted TTC - Weighted Cost | | <u>20,116</u> | 0.30% | 0.10% | <u>0.0289%</u> | |
| Total | \$ | 5,634,648 | <u>100.00%</u> | | <u>6.04%</u> | |
| | | | | | | |
| ITC and that was n Date and Family | | | | | | |
| ITC split between Debt and Equity: Long Term Debt | \$ | 1,719,219 | | ong Term De | bt | 42.07% |
| Equity - Preferred | Ψ | 1,713,219 | | quity - Prefei | | 0.00% |
| Equity - Common | | 2,367,502 | | quity - Comn | | <u>57.93%</u> |
| | | | | . , | | |
| Total | <u>\$</u> | 4,086,721 | | Total | | <u>100.00%</u> |
| | | | | | | |
| | | | | | | |
| Deferred ITC - Weighted Cost: | | | | | | |
| Debt = 0.0289% * 42.07% | | 0.0122% | | | | |
| Equity = 0.0289% * 57.93% | | <u>0.0167%</u> | | | | |
| Weighted Cost | | <u>0.0289%</u> | | | | |
| | | | | | | |
| | | | | | | |
| Total Equity Cost Rate: | | | | | | |
| Preferred Stock | | 0.0000% | | | | |
| Common Equity | | 4.3067% | | | | |
| Deferred ITC - Weighted Cost | | <u>0.0167%</u> | | | | |
| Times Tax Multiplier | | 4.3234% 1.34295 | | | | |
| Total Equity Component | | <u>5.8061%</u> | | | | |
| · · · · · · · · · · · · · · · · · · · | | <u></u> | | | | |
| | | | | | | |
| Total Debt Cost Rate: | | | | | | |
| Long Term Debt | | 1.5652% | | | | |
| Short Term Debt | | 0.0945% | | | | |
| Customer Deposits | | 0.0414% | | | | |
| Deferred ITC - Weighted Cost | | <u>0.0122%</u> | | | | |
| Total Debt Component | | <u>1.7133%</u> | | | | |
| | | 7 540 40/ | | | | |
| | | 7.5194% | | | | |

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2017 Settlement Agreement Dated September 27, 2017. Column (2) - Column (1) / Total Column (1)

Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2017 Settlement Agreement Dated September 27, 2017. Column (4) - Column (2) x Column (3)

DOCKET NO. 20180007-EI ECRC 2018 ACTUAL/ESTIMATED TRUE-UP EXHIBIT NO. PAR-3

INDEX

TAMPA ELECTRIC COMPANY ENVIRONMENTAL COST RECOVERY CLAUSE

ACTUAL/ESTIMATED TRUE-UP AMOUNT

FOR THE PERIOD

JANUARY 2018 THROUGH DECEMBER 2018

NOT INCLUDING THE COMPANY'S TWO

NEW PROPOSED ECRC PROJECTS

FORMS 42-1E THROUGH 42-7E

| DOCUMENT NO. | TITLE | PAGE |
|--------------|------------|------|
| 1 | FORM 42-1E | 55 |
| 2 | FORM 42-2E | 56 |
| 3 | FORM 42-3E | 57 |
| 4 | FORM 42-4E | 58 |
| 5 | FORM 42-5E | 59 |
| 6 | FORM 42-6E | 60 |
| 7 | FORM 42-7E | 61 |

| <u>Tampa Electric Company</u> Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount Not Including the Company's Two New Proposed ECRC Projects January 2018 to December 2018 (in Dollars) | Form 42 - 1E |
|---|------------------|
| Line | Period Amount |
| 1. Over/(Under) Recovery for the Current Period (Form 42-2E, Line 5) | \$13,299,870 |
| 2. Interest Provision (Form 42-2E, Line 6) | 212,407 |
| Sum of Current Period Adjustments (Form 42-2E, Line 10) | 0_ |
| Current Period True-Up Amount to be Refunded/(Recovered) in the Projection Period January 2019 to December 2019 (Lines 1 + 2 + 3) | \$13,512,277 |

55

Tampa Electric Company Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount Not Including the Company's Two New Proposed ECRC Projects January 2018 to December 2018

Current Period True-Up Amount

(in Dollars)

| Line | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---|
| ECRC Revenues (net of Revenue Taxes) True-Up Provision ECRC Revenues Applicable to Period (Lines 1 + 2) | \$5,299,826 508,445 5,808,271 | \$4,794,184 508,445 5,302,629 | \$4,754,839 508,445 5,263,284 | \$4,804,461 508,445 5,312,906 | \$5,074,853 508,445 5,583,298 | \$5,873,006 508,445 6,381,451 | \$6,540,375 508,445 7,048,820 | \$6,493,000 508,445 7,001,445 | \$6,689,809 508,445 7,198,254 | \$5,928,024 508,445 6,436,469 | \$4,939,446 508,445 5,447,891 | \$4,863,661 508,449 5,372,110 | \$66,055,485 6,101,344 72,156,829 |
| Jurisdictional ECRC Costs O & M Activities (Form 42-5E, Line 9) Capital Investment Projects (Form 42-7E, Line 9) Total Jurisdictional ECRC Costs | 1,874,870 3,891,399 5,766,269 | 2,166,060 3,881,399 6,047,459 | 1,373,137 3,871,500 5,244,637 | 959,540 3,861,963 4,821,503 | 1,185,543 3,853,761 5,039,304 | 743,043 3,845,686 4,588,729 | 405,177 3,837,441 4,242,618 | 403,175 3,831,106 4,234,281 | 395,441 3,828,163 4,223,604 | 910,226 3,824,424 4,734,650 | 1,021,725 3,815,756 4,837,481 | 1,269,328 3,807,095 5,076,423 | 12,707,265 46,149,693 58,856,958 |
| 5. Over/Under Recovery (Line 3 - Line 4c) | 42,002.00 | (744,830) | 18,647 | 491,403 | 543,994.00 | 1,792,722.00 | 2,806,202.00 | 2,767,164.00 | 2,974,650.00 | 1,701,819.00 | 610,410.00 | 295,687 | 13,299,870 |
| 6. Interest Provision (Form 42-3E, Line 10) 7. Beginning Balance True-Up & Interest Provision ¹ | 9,356 6,101,344 | 8,341 5,644,257 | 8,197 4,399,323 | 8,382 3,917,722 | 8,410 3,909,062 | 9,750 3,953,021 | 14,605 5,247,048 | 20,782 7,559,410 | 25,644 9,838,911 | 31,016 12,330,760 | 33,986 13,555,150 | 33,938 13,691,101 | 212,407 6,101,344 |
| Deferred True-Up from January to December 2018 (Order No. PSC-2018-0014-FOF-EI) | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 | 1,498,666 |
| 8. True-Up Collected/(Refunded) (see Line 2) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,445) | (508,449) | (6,101,344) |
| 9. End of Period Total True-Up (Lines 5+6+7+7a+8) | 7,142,923 | 5,897,989 | 5,416,388 | 5,407,728 | 5,451,687 | 6,745,714 | 9,058,076 | 11,337,577 | 13,829,426 | 15,053,816 | 15,189,767 | 15,010,943 | 15,010,943 |
| 10. Adjustment to Period True-Up Including Interest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. End of Period Total True-Up (Lines 9 + 10) | \$7,142,923 | \$5,897,989 | \$5,416,388 | \$5,407,728 | \$5,451,687 | \$6,745,714 | \$9,058,076 | \$11,337,577 | \$13,829,426 | \$15,053,816 | \$15,189,767 | \$15,010,943 | \$15,010,943 |

Calculation of the Current Period Actual / Estimated Amount Not Including the Company's Two New Proposed ECRC Projects January 2018 to December 2018

Interest Provision

(in Dollars)

| Line | - | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total |
|------|--|-------------------|--------------------|-----------------|-----------------|---------------|----------------|------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|
| 1. | Beginning True-Up Amount (Form 42-2E, Line 7 + 7a + 10) | \$7,600,010 | \$7,142,923 | \$5,897,989 | \$5,416,388 | \$5,407,728 | \$5,451,687 | \$6,745,714 | \$9,058,076 | \$11,337,577 | \$13,829,426 | \$15,053,816 | \$15,189,767 | |
| 2. | Ending True-Up Amount Before Interest | 7,133,567 | 5,889,648 | 5,408,191 | 5,399,346 | 5,443,277 | 6,735,964 | 9,043,471 | 11,316,795 | 13,803,782 | 15,022,800 | 15,155,781 | 14,977,005 | |
| 3. | Total of Beginning & Ending True-Up (Lines 1 + 2) | 14,733,577 | 13,032,571 | 11,306,180 | 10,815,734 | 10,851,005 | 12,187,651 | 15,789,185 | 20,374,871 | 25,141,359 | 28,852,226 | 30,209,597 | 30,166,772 | |
| 4. | Average True-Up Amount (Line 3 x 1/2) | 7,366,789 | 6,516,286 | 5,653,090 | 5,407,867 | 5,425,503 | 6,093,826 | 7,894,593 | 10,187,436 | 12,570,680 | 14,426,113 | 15,104,799 | 15,083,386 | |
| 5. | Interest Rate (First Day of Reporting Business Month) | 1.58% | 1.46% | 1.62% | 1.86% | 1.85% | 1.86% | 1.98% | 2.45% | 2.45% | 2.45% | 2.70% | 2.70% | |
| 6. | Interest Rate (First Day of Subsequent Business Month) | 1.46% | 1.62% | 1.86% | 1.85% | 1.86% | 1.98% | 2.45% | 2.45% | 2.45% | 2.70% | 2.70% | 2.70% | |
| 7. | Total of Beginning & Ending Interest Rates (Lines 5 + 6) | 3.04% | 3.08% | 3.48% | 3.71% | 3.71% | 3.84% | 4.43% | 4.90% | 4.90% | 5.15% | 5.40% | 5.40% | |
| 8. | Average Interest Rate (Line 7 x 1/2) | 1.520% | 1.540% | 1.740% | 1.855% | 1.855% | 1.920% | 2.215% | 2.450% | 2.450% | 2.575% | 2.700% | 2.700% | |
| 9. | Monthly Average Interest Rate (Line 8 x 1/12) | 0.127% | 0.128% | 0.145% | 0.155% | 0.155% | 0.160% | 0.185% | 0.204% | 0.204% | 0.215% | 0.225% | 0.225% | \$212,4 |

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount Not Including the Company's Two New Proposed ECRC Projects January 2018 to December 2018

Variance Report of O & M Activities

(In Dollars)

| | | (1) | (2) | (3) | (4) |
|------|---|--------------------|--------------|---------------|-----------------|
| | | | Original | Variance | • |
| Line | _ | Actual / Estimated | Projection | Amount | Percent |
| | | | | | |
| 1. | Description of O&M Activities | | | | |
| | a. Big Bend Unit 3 FGD Integration | \$1,894,681 | \$4,423,789 | (\$2,529,108) | -57.2% |
| | b. Big Bend Units 1 & 2 Flue Gas Conditioning c. SO₂ Emissions Allowances | 0 (98) | 0 9,151 | 0 (9,249) | 0.0% 101.1%- |
| | d. Big Bend Units 1 & 2 FGD | 570,804 | 2,200,000 | (1,629,196) | -74.1% |
| | e. Big Bend PM Minimization and Monitoring | 406,562 | 611,283 | (204,721) | -33.5% |
| | f. Big Bend NO _x Emissions Reduction | 78,693 | 138,956 | (60,263) | -43.4% |
| | g. NPDES Annual Surveillance Fees | 35,883 | 34,500 | 1,383 | 4.0% |
| | h. Gannon Thermal Discharge Study | 0 | 0 | 0 | 0.0% |
| | i. Polk NO _x Emissions Reduction | 5,317 | 19,988 | (14,671) | -73.4% |
| | j. Bayside SCR Consumables | 111,102 | 203,882 | (92,779) | -45.5% |
| | k. Big Bend Unit 4 SOFA | 0 | 37,200 | (37,200) | -100.0% |
| | I. Big Bend Unit 1 Pre-SCR | 39 | 37,200 | (37,161) | -99.9% |
| | m. Big Bend Unit 2 Pre-SCR | 1,450 | 37,200 | (35,750) | -96.1% |
| | n. Big Bend Unit 3 Pre-SCR | 3,808 | 37,200 | (33,392) | -89.8% |
| | Clean Water Act Section 316(b) Phase II Study | 74,158 | 321,000 | (246,842) | -76.9% |
| | p. Arsenic Groundwater Standard Program | 0 | 0 | 0 | 0.0% |
| | q. Big Bend 1 SCR | 351,102 | 1,498,585 | (1,147,483) | -76.6% |
| | r. Big Bend 2 SCR | 361,113 | 1,629,977 | (1,268,864) | -77.8% |
| | s. Big Bend 3 SCR | 1,553,384 | 1,694,774 | (141,390) | -8.3% |
| | t. Big Bend 4 SCR | 651,145 | 1,061,162 | (410,017) | -38.6% |
| | u. Mercury Air Toxics Standards | 24,378 | 231,000 | (206,622) | -89.4% |
| | v. Greenhouse Gas Reduction Program | 95,974 | 93,149 | 2,825 | 3.0% |
| | Big Bend Gypsum Storage Facility | 1,638,273 | 1,663,000 | (24,727) | -1.5% |
| | x. CCR Rule - Phase I | 38,250 | 0 | 38,250 | N/A |
| | y. Big Bend ELG Rule Study | 54,007 | 0 | 54,007 | N/A |
| | z. CCR Rule - Phase II | 4,757,238 | 6,125,000 | (1,367,762) | -22.3% |
| 2. | Total Investment Projects - Recoverable Costs | \$12,707,265 | \$22,107,996 | (\$9,400,732) | -42.5% |
| 3. | Recoverable Costs Allocated to Energy | \$12,597,223 | \$21,752,496 | (\$9,155,273) | -42.1% |
| 4. | Recoverable Costs Allocated to Demand | \$110,042 | \$355,500 | (\$245,459) | -69.0% |

Notes:

Column (1) is the End of Period Totals on Form 42-5E.

Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-2018-0014-FOF-EI. Column (3) = Column (1) - Column (2) Column (4) = Column (3) / Column (2)

Tampa Electric Company Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount Not Including the Company's Two New Proposed ECRC Projects January 2018 to December 2018

O&M Activities (in Dollars)

| | | Actual | Actual | Actual | Actual | Actual | Actual | Estimate | Estimate | Estimate | Estimate | Estimate | Estimate | End of Period | Method of | Classification |
|------|---|-------------|------------------|-------------|-----------------|-------------|---------------|-----------|-----------|-----------|-----------|-------------|-------------|------------------|-----------|---------------------|
| Line | _ | January | February | March | April | May | June | July | August | September | October | November | December | Total | Demand | Energy |
| 1. | Description of O&M Activities | | | | | | | | | | | | | | | |
| | a. Big Bend Unit 3 FGD Integration | 452,214 | 273,733 | 291,066 | 358,824 | 331,130 | 187,714 | 0 | 0 | 0 | 0 | 0 | 0 | 1,894,681 | | \$1,894,681 |
| | b. Big Bend Units 1 & 2 Flue Gas Conditioning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | c. SO ₂ Emissions Allowances | (34) | 5 | 8 | (16) | 22 | (83) | 0 | 0 | 0 | 0 | 0 | 0 | (98) | | (98) |
| | d. Big Bend Units 1 & 2 FGD | 17,413 | 66,376 | 55,024 | 54,100 | 100,066 | 19,825 | 43,000 | 43,000 | 43,000 | 43,000 | 43,000 | 43,000 | 570,804 | | 570,804 |
| | e. Big Bend PM Minimization and Monitoring | 52,762 | 44,712 | 67,899 | 54,273 | 45,912 | 27,938 | 15,000 | 15,000 | 8,065 | 25,000 | 25,000 | 25,000 | 406,562 | | 406,562 |
| | f. Big Bend NO_x Emissions Reduction | 37 | 34,122 | 266 | 2,757 | 78 | 29,434 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 78,693 | | 78,693 |
| | g. NPDES Annual Surveillance Fees | 34,500 | 0 | 0 | 0 | 0 | 1,383 | 0 | 0 | 0 | 0 | 0 | 0 | 35,883 | \$35,883 | |
| | h. Gannon Thermal Discharge Study | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | i. Polk NO _x Emissions Reduction | 688 | 853 | 440 | 0 | 0 | 35 | 950 | 950 | 400 | 0 | 250 | 750 | 5,317 | | 5,317 |
| | j. Bayside SCR and Ammonia | 16,454 | 3,210 | 8,560 | 12,325 | 3,210 | 11,843 | 12,500 | 10,000 | 9,000 | 8,000 | 8,000 | 8,000 | 111,102 | | 111,102 |
| | k. Big Bend Unit 4 SOFA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | Big Bend Unit 1 Pre-SCR | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | | 39 |
| | m. Big Bend Unit 2 Pre-SCR | 635 | 0 | 0 | 815 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,450 | | 1,450 |
| | n. Big Bend Unit 3 Pre-SCR | 0 | 0 | 0 | 0 | 3,714 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 3,808 | | 3,808 |
| | Clean Water Act Section 316(b) Phase II Study | 4,499 | 14,303 | 174 | 21,348 | 75 | 9 | 0 | 1,250 | 1,250 | 1,250 | 12,500 | 17,500 | 74,158 | 74,158 | |
| | Arsenic Groundwater Standard Program | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | q. Big Bend 1 SCR | 6,777 | 18,340 | 3,087 | 32,717 | 33,063 | 14,694 | 40,801 | 41,277 | 39,690 | 50,168 | 24,607 | 45,881 | 351,102 | | 351,102 |
| | r. Big Bend 2 SCR | 4,267 | 6,863 | 6,549 | 54,763 | 9,514 | 7,682 | 45,405 | 45,722 | 47,627 | 60,328 | 24,607 | 47,786 | 361,113 | | 361,113 |
| | s. Big Bend 3 SCR | 125,936 | 154,048 | 270,635 | 166,420 | 280,869 | 192,408 | 60,405 | 60,722 | 62,627 | 33,098 | 83,425 | 62,791 | 1,553,384 | | 1,553,384 |
| | t. Big Bend 4 SCR | 58,197 | 89,093 | 46,317 | 54,593 | 33,834 | 55,218 | 51,866 | 50,754 | 48,532 | 54,882 | 65,836 | 42,023 | 651,145 | | 651,145 |
| | u. Mercury Air Toxics Standards | 0 | 0 | 7,823 | 55 | 0 | 0 | 3,250 | 2,500 | 3,250 | 2,500 | 2,500 | 2,500 | 24,378 | | 24,378 |
| | v. Greenhouse Gas Reduction Program | 2,825 | 0 | 0 | 0 | 93,149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95,974 | | 95,974 |
| | w. Big Bend Gypsum Storage Facility (East 40) | 163,867 | 110,837 | 59,289 | 124,795 | 239,532 | 159,952 | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 | 130,000 | 1,638,273 | | 1,638,273 |
| | x. CCR Rule - Phase I | (3,500) | 14,103 11,472 | 14,033 0 | 1,844 9,832 | 9,875 0 | 1,895 | 0 | 0 | 0 | 0 | 0 | 0 | 38,250 54,007 | | 38,250 |
| | y. BB ELG Rule Study z. CCR Rule - Phase II | 937.333 | 1.323.990 | 541.927 | 9,832 10.095 | 1.500 | 32,703 297 | 0 | 0 | 0 | 500.000 | 600.000 | 842.097 | 4,757,238 | | 54,007 4,757,238 |
| | 2. CCR Rule - Phase II | 937,333 | 1,323,990 | 541,927 | 10,095 | 1,500 | 297 | 0 | 0 | 0 | 500,000 | 600,000 | 642,097 | 4,757,238 | | 4,757,236 |
| 2. | Total of O&M Activities | 1,874,870 | 2,166,060 | 1,373,137 | 959,540 | 1,185,543 | 743,043 | 405,177 | 403,175 | 395,441 | 910,226 | 1,021,725 | 1,269,328 | 12,707,265 | \$110,042 | \$12,597,223 |
| 3. | Recoverable Costs Allocated to Energy | 1,835,871 | 2,151,757 | 1,372,963 | 938,192 | 1,185,468 | 741,650 | 405,177 | 401,925 | 394,191 | 908,976 | 1,009,225 | 1,251,828 | 12,597,223 | | |
| 4. | Recoverable Costs Allocated to Demand | 38,999 | 14,303 | 174 | 21,348 | 75 | 1,393 | 0 | 1,250 | 1,250 | 1,250 | 12,500 | 17,500 | 110,042 | | |
| 5. | Retail Energy Jurisdictional Factor | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| 6. | Retail Demand Jurisdictional Factor | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| | | | | | | | | | | | | | | | | |
| 7. | Jurisdictional Energy Recoverable Costs (A) | 1,835,871 | 2,151,757 | 1,372,963 | 938,192 | 1,185,468 | 741,650 | 405,177 | 401,925 | 394,191 | 908,976 | 1,009,225 | 1,251,828 | 12,597,223 | | |
| 8. | Jurisdictional Demand Recoverable Costs (B) | 38,999 | 14,303 | 174 | 21,348 | 75 | 1,393 | 0 | 1,250 | 1,250 | 1,250 | 12,500 | 17,500 | 110,042 | | Χüδ |
| | | | | | | | | | | | | | | | | ΞXO |
| 9. | Total Jurisdictional Recoverable Costs for O&M | | | | | | | | | | | | | | | 市の光 |
| | Activities (Lines 7 + 8) | \$1,874,870 | \$2,166,060 | \$1,373,137 | \$959,540 | \$1,185,543 | \$743,043 | \$405,177 | \$403,175 | 395,441 | 910,226 | \$1,021,725 | \$1,269,328 | \$12,707,265 | | Я́Т 22 П |
| | | | | | | | | | | | | | | | | |

Tampa Electric Company

Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount Not including the Company's Two New Proposed ECRC Projects January 2018 to December 2018

Variance Report of Capital Investment Projects - Recoverable Costs (In Dollars)

| | (4) | |
|----------|--------------------|-------------|
| | (1) | (2) |
| | | Original |
| | Actual / Estimated | Projection |
| | | |
| | \$960,478 | \$1,063,216 |
| ning | 249,611 | 280,951 |
| Monitors | 51,106 | 55,016 |
| | 55,003 | 35,856 |
| | 90,462 | 58,969 |
| | 80,406 | 85,047 |
| | 58 125 | 61 751 |

| ١. | Description of investment Projects | | | | |
|----|--|--------------|--------------|---------------|--------|
| | a. Big Bend Unit 3 FGD Integration | \$960,478 | \$1,063,216 | (\$102,738) | -9.7% |
| | Big Bend Units 1 & 2 Flue Gas Conditioning | 249,611 | 280,951 | (31,340) | -11.2% |
| | Big Bend Unit 4 Continuous Emissions Monitors | 51,106 | 55,016 | (3,910) | -7.1% |
| | Big Bend Fuel Oil Tank No. 1 Upgrade | 55,003 | 35,856 | 19,147 | 53.4% |
| | e. Big Bend Fuel Oil Tank No. 2 Upgrade | 90,462 | 58,969 | 31,493 | 53.4% |
| | f. Big Bend Unit 1 Classifier Replacement | 80,406 | 85,047 | (4,641) | -5.5% |
| | Big Bend Unit 2 Classifier Replacement | 58,125 | 61,751 | (3,626) | -5.9% |
| | Big Bend Section 114 Mercury Testing Platform | 8,561 | 9,406 | (845) | -9.0% |
| | Big Bend Units 1 & 2 FGD | 6,053,972 | 6,674,906 | (620,934) | -9.3% |
| | j. Big Bend FGD Optimization and Utilization | 1,554,594 | 1,712,875 | (158,281) | -9.2% |
| | k. Big Bend NO _x Emissions Reduction | 499,295 | 562,354 | (63,059) | -11.2% |
| | I. Big Bend PM Minimization and Monitoring | 1,809,236 | 1,989,614 | (180,378) | -9.1% |
| | m. Polk NO _x Emissions Reduction | 113,291 | 123,356 | (10,065) | -8.2% |
| | n. Big Bend Unit 4 SOFA | 198,216 | 218,523 | (20,307) | -9.3% |
| | o. Big Bend Unit 1 Pre-SCR | 137,627 | 149,608 | (11,981) | -8.0% |
| | p. Big Bend Unit 2 Pre-SCR | 130,774 | 142,854 | (12,080) | -8.5% |
| | q. Big Bend Unit 3 Pre-SCR | 233,148 | 256,173 | (23,025) | -9.0% |
| | r. Big Bend Unit 1 SCR | 7,960,486 | 8,698,396 | (737,910) | -8.5% |
| | s. Big Bend Unit 2 SCR | 8,407,134 | 9,195,158 | (788,024) | -8.6% |
| | t. Big Bend Unit 3 SCR | 6,968,976 | 7,628,421 | (659,445) | -8.6% |
| | u. Big Bend Unit 4 SCR | 5,420,471 | 5,919,666 | (499,195) | -8.4% |
| | v. Big Bend FGD System Reliability | 2,080,439 | 2,325,371 | (244,932) | -10.5% |
| | w. Mercury Air Toxics Standards | 824,512 | 928,320 | (103,808) | -11.2% |
| | x. SO ₂ Emissions Allowances | (2,601) | (3,015) | 414 | -13.7% |
| | y. Big Bend Gypsum Storage Facility | 2,073,568 | 2,316,204 | (242,636) | -10.5% |
| | z. CCR Rule - Phase I | 130,505 | 224,233 | (93,728) | -41.8% |
| | aa. CCR Rule - Phase II | 2,298 | 0 | 2,298 | N/A |
| 2. | Total Investment Projects - Recoverable Costs | \$46,149,693 | \$50,713,229 | (\$4,563,536) | -9.0% |
| 3. | Recoverable Costs Allocated to Energy | \$45,871,425 | \$50,394,171 | (\$4,522,746) | -9.0% |
| | | | | | |

\$278,268

\$319,058

(\$40,790)

-12.8%

4. Recoverable Costs Allocated to Demand

Notes:

Line

1.

Description of Investment Projects

Column (1) is the End of Period Totals on Form 42-7E. Column (2) is the approved projected amount in accordance with FPSC Order No. PSC-2018-0014-FOF-EI. Column (3) = Column (1) - Column (2)Column (4) = Column (3) / Column (2)

(3)

Amount

(4)

Percent

Variance

Tampa Electric Company Environmental Cost Recovery Clause Calculation of the Current Period Actual / Estimated Amount Not Including the Company's Two New Proposed ECRC Projects January 2018 to December 2018

Capital Investment Projects-Recoverable Costs (in Dollars)

| Line | Description (A) | _ | Actual January | Actual February | Actual March | Actual April | Actual May | Actual June | Estimate July | Estimate August | Estimate September | Estimate October | Estimate November | Estimate December | End of Period Total | Method of Cla Demand | ssification Energy |
|---------|---|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|--------------------|-----------------------|---------------------|----------------------|----------------------|---------------------------|-------------------------|------------------------|
| 1. a. | Big Bend Unit 3 FGD Integration | 1 | \$81,171 | \$80.989 | \$80,808 | \$80,626 | \$80,445 | \$80,262 | \$79.814 | \$79.634 | \$79,453 | \$79,273 | \$79,092 | \$78.911 | \$960.478 | | \$960.478 |
| b. | Big Bend Units 1 and 2 Flue Gas Conditioning | 2 | 21,372 | 21,270 | 21,168 | 21,066 | 20,965 | 20,863 | 20,737 | 20,636 | 20,535 | 20,434 | 20,333 | 20,232 | 249,611 | | 249,611 |
| с. | Big Bend Unit 4 Continuous Emissions Monitors | 3 | 4,344 | 4,330 | 4,314 | 4,300 | 4,285 | 4,271 | 4,246 | 4,232 | 4,218 | 4,203 | 4,189 | 4,174 | 51,106 | | 51,106 |
| d. | Big Bend Fuel Oil Tank No. 1 Upgrade | 4 | 2,815 | 2,806 | 2,796 | 2,787 | 2,778 | 2,770 | 6,456 | 6,423 | 6,391 | 6,359 | 6,327 | 6,295 | 55,003 | \$55,003 | |
| e. | Big Bend Fuel Oil Tank No. 2 Upgrade | 5 | 4,629 | 4,614 | 4,600 | 4,584 | 4,570 | 4,555 | 10,617 | 10,564 | 10,511 | 10,459 | 10,406 | 10,353 | 90,462 | 90,462 | |
| f. | Big Bend Unit 1 Classifier Replacement | 6 | 6,859 | 6,830 | 6,803 | 6,775 | 6,748 | 6,720 | 6,680 | 6,653 | 6,626 | 6,599 | 6,570 | 6,543 | 80,406 | | 80,406 |
| g. | Big Bend Unit 2 Classifier Replacement | 7 | 4,954 | 4,934 | 4,915 | 4,896 | 4,877 | 4,858 | 4,830 | 4,810 | 4,791 | 4,773 | 4,753 | 4,734 | 58,125 | | 58,125 |
| h. | Big Bend Section 114 Mercury Testing Platform | 8 | 725 | 722 | 721 | 719 | 717 | 716 | 712 | 709 | 708 | 706 | 704 | 702 | 8,561 | | 8,561 |
| I. : | Big Bend Units 1 & 2 FGD | 9 10 | 514,191 126,787 | 512,541 126,722 | 510,891 126,673 | 509,241 127,106 | 507,592 128,669 | 505,942 130,581 | 503,032 130,379 | 501,391 130,544 | 499,750 130.973 | 498,108 131,514 | 496,467 132.054 | 494,826 132,592 | 6,053,972 1,554,594 | | 6,053,972 1,554,594 |
| j. | Big Bend FGD Optimization and Utilization Big Bend NO, Emissions Reduction | 10 | 42.042 | 126,722 41,978 | 41,914 | 41.850 | 41,785 | 41.721 | 130,379 | 130,544 41,430 | 41,366 | 41,302 | 132,054 | 132,592 | 1,554,594 | | 1,554,594 499,295 |
| к. | | | 42,042 | 152,726 | 1 - | 151,960 | 151,576 | 151,193 | , . | 149,960 | | | , | , | , | | , |
| I. | Big Bend PM Minimization and Monitoring Polk NO, Emissions Reduction | 12 13 | 9.607 | 9,579 | 152,343 9.551 | 9.524 | 9,496 | 9,467 | 150,342 9,414 | 149,960 | 149,579 9.358 | 149,197 9.331 | 148,816 9,303 | 148,434 9.275 | 1,809,236 113,291 | | 1,809,236 113,291 |
| m. | Big Bend Unit 4 SOFA | 13 | 9,607 | 9,579 | 9,551 | 9,524 16.645 | 9,496 16.604 | 9,467 | 9,414 16.471 | 9,386 | 9,356 | 16.351 | 9,303 | 9,275 | 198.216 | | 198.216 |
| n. | Big Bend Unit 4 SOFA Big Bend Unit 1 Pre-SCR | 14 | 16,766 | 16,725 | 16,685 | 16,645 | 11,536 | 11,502 | 16,471 | 16,431 | 16,391 | 16,351 | 16,311 | 16,271 | 198,216 | | 198,216 |
| U. D | Big Bend Unit 2 Pre-SCR | 16 | 11,075 | 11,040 | 11,005 | 10,990 | 10.959 | 10.929 | 10.867 | 10.836 | 10.806 | 10.775 | 10,744 | 10,714 | 130,774 | | 130,774 |
| р. л | Big Bend Unit 3 Pre-SCR | 17 | 19,734 | 19.684 | 19.634 | 19,583 | 19,533 | 19,484 | 19,374 | 19,324 | 19,275 | 19,224 | 19,175 | 19,124 | 233.148 | | 233.148 |
| 4. r | Big Bend Unit 1 SCR | 18 | 674.992 | 673.045 | 671.098 | 669.150 | 667.203 | 665.256 | 661,467 | 659,530 | 657.592 | 655.655 | 653,717 | 651.781 | 7,960,486 | | 7.960.486 |
| S. | Big Bend Unit 2 SCR | 19 | 712.268 | 710.328 | 708,390 | 706.451 | 704.511 | 702,572 | 698.591 | 696,663 | 694,733 | 692,805 | 690.875 | 688,947 | 8,407,134 | | 8,407,134 |
| t | Big Bend Unit 3 SCR | 20 | 590.325 | 588,737 | 587,150 | 585,562 | 583,973 | 582,386 | 579.090 | 577.510 | 575,930 | 574.351 | 572.771 | 571.191 | 6.968.976 | | 6.968.976 |
| u. | Big Bend Unit 4 SCR | 21 | 456,706 | 455,523 | 454,342 | 453,169 | 452,014 | 450,873 | 449,762 | 449,995 | 450,229 | 450,462 | 449,286 | 448,110 | 5,420,471 | | 5,420,471 |
| v. | Big Bend FGD System Reliability | 22 | 175,463 | 175,139 | 174,817 | 174,494 | 174,170 | 173,847 | 172,889 | 172,567 | 172,245 | 171,924 | 171,603 | 171,281 | 2,080,439 | | 2,080,439 |
| w. | Mercury Air Toxics Standards | 23 | 68,615 | 68,478 | 68,407 | 68,337 | 68,454 | 68,315 | 67,999 | 67,924 | 68,881 | 69,839 | 69,701 | 69,562 | 824,512 | | 824,512 |
| х. | SO ₂ Emissions Allowances (B) | 24 | (218) | (218) | (218) | (217) | (217) | (217) | (216) | (216) | (216) | (216) | (216) | (216) | (2,601) | | (2,601) |
| у. | Big Bend Gypsum Storage Facility | 25 | 174,907 | 174,580 | 174,253 | 173,927 | 173,600 | 173,274 | 172,317 | 171,992 | 171,667 | 171,342 | 171,017 | 170,692 | 2,073,568 | | 2,073,568 |
| Z. | CCR Rule - Phase I | 26 | 6,478 | 6,646 | 6,816 | 6,860 | 6,907 | 6,960 | 8,555 | 10,575 | 14,687 | 17,887 | 18,671 | 19,463 | 130,505 | 130,505 | |
| aa | . CCR Rule - Phase II | 27 | 0 | 0 | 3 | 7 | 11 | 21 | 86 | 202 | 318 | 434 | 550 | 666 | 2,298 | 2,298 | |
| | | | | | | | | | | | | | | | | | |
| 2. | Total Investment Projects - Recoverable Costs | | 3,891,399 | 3,881,399 | 3,871,500 | 3,861,963 | 3,853,761 | 3,845,686 | 3,837,441 | 3,831,106 | 3,828,163 | 3,824,424 | 3,815,756 | 3,807,095 | 46,149,693 | \$278,268 | \$45,871,425 |
| 3. | Recoverable Costs Allocated to Energy | | 3.877.477 | 3,867,333 | 3,857,285 | 3,847,725 | 3,839,495 | 3,831,380 | 3,811,727 | 3,803,342 | 3,796,256 | 3,789,285 | 3,779,802 | 3,770,318 | 45,871,425 | | |
| 4. | Recoverable Costs Allocated to Demand | | 13,922 | 14,066 | 14,215 | 14,238 | 14,266 | 14,306 | 25,714 | 27,764 | 31,907 | 35,139 | 35,954 | 36,777 | 278,268 | | |
| 5. | Retail Energy Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| 5. | Retail Demand Jurisdictional Factor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| 0. | Retail Demand Junsuictional Pactor | | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | 1.0000000 | | | |
| 7. | Jurisdictional Energy Recoverable Costs (C) | | 3,877,477 | 3,867,333 | 3,857,285 | 3,847,725 | 3,839,495 | 3,831,380 | 3,811,727 | 3,803,342 | 3,796,256 | 3,789,285 | 3,779,802 | 3,770,318 | 45,871,425 | | |
| 8. | Jurisdictional Demand Recoverable Costs (D) | _ | 13,922 | 14,066 | 14,215 | 14,238 | 14,266 | 14,306 | 25,714 | 27,764 | 31,907 | 35,139 | 35,954 | 36,777 | 278,268 | | |
| ٩ | Total Jurisdictional Recoverable Costs for | | | | | | | | | | | | | | | | |
| 9. | Investment Projects (Lines 7 + 8) | | \$3,891,399 | \$3,881,399 | \$3.871.500 | \$3.861.963 | \$3.853.761 | \$3,845,686 | \$3,837,441 | \$3.831.106 | \$3.828.163 | \$3,824,424 | \$3,815,756 | \$3,807,095 | \$46,149,693 | | |
| | investment i rojecta (Entes 7 + 6) | - | ψ0,031,335 | φ0,001,009 | <i>43,07</i> 1,300 | 40,001,900 | ψ0,000,701 | <i>43,043,080</i> | ψ0,007, 44 1 | ψ5,531,100 | φ0,020,103 | ψ0,024,424 | <i>40,010,700</i> | <i>40,007,090</i> | 970, 173,033 | | |

5

Notes: (A) Each project's Total System Recoverable Expenses on Form 42-8E, Line 9 (B) Project's Total Return Component on Form 42-8E, Line 6 (C) Line 3 x Line 5 (D) Line 4 x Line 6



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20180007-EI IN RE: TAMPA ELECTRIC'S ENVIRONMENTAL COST RECOVERY

ACTUAL/ESTIMATED TRUE-UP JANUARY 2018 THROUGH DECEMBER 2018

TESTIMONY

OF

PAUL L. CARPINONE

FILED: JULY 25, 2018

| 1 | | BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION |
|----|----|--|
| 2 | | PREPARED DIRECT TESTIMONY |
| 3 | | OF |
| 4 | | PAUL L. CARPINONE |
| 5 | | |
| 6 | Q. | Please state your name, address, occupation and employer. |
| 7 | | |
| 8 | A. | My name is Paul L. Carpinone. My business address is 702 |
| 9 | | North Franklin Street, Tampa, Florida 33602. I am employed |
| 10 | | by Tampa Electric Company ("Tampa Electric" or "company") |
| 11 | | as Director, Environmental Services in the Environmental |
| 12 | | Services Department. |
| 13 | | |
| 14 | Q. | Please provide a brief outline of your educational |
| 15 | | background and business experience. |
| 16 | | |
| 17 | A. | I received a Bachelor of Science degree in Water Resources |
| 18 | | Engineering Technology from the Pennsylvania State |
| 19 | | University in 1978. I have been a Registered Professional |
| 20 | | Engineer in the states of Florida and Pennsylvania since |
| 21 | | 1984. Prior to joining Tampa Electric, I worked for |
| 22 | | Seminole Electric Cooperative as a Civil Engineer in |
| 23 | | various positions and in environmental consulting. In |
| 24 | | February 1988, I joined Tampa Electric as a Principal |
| 25 | | Engineer, and I have primarily worked in the area of |

2006, Environmental. In Ι became Director of 1 2 Environmental Services. My responsibilities include the 3 development and administration of the company's environmental policies and goals. I am also responsible 4 5 for ensuring resources, procedures and programs meet or applicable environmental compliance with 6 surpass requirements, and that rules and polices are in place and 7 functioning appropriately and consistently throughout the 8 company. 9 10 What is the purpose of your testimony? 11 Q. 12 The purpose of my testimony is to provide record support 13 Α. 14 for the Commission's approval of two environmental programs for cost recovery through the Environmental Cost Recovery 15 16 Clause ("ECRC"). Those projects include the company's Big Bend Unit 1 Section 316(b) Impingement Mortality Project 17 ("Impingement Mortality Project") and the company's Big 18 Bend Station Effluent Limitations Guidelines Rule 19 20 Compliance Program ("Big Bend ELG Rule Compliance Program"). 21 22 23 Impingement Mortality Project requirements describe 24 Ο. Please the environmental necessitating the Impingement Mortality Project? 25

2

In August 2014 the Environmental Protection Agency ("EPA") Α. 1 published their final rule regarding Section 316(b) of the 2 Clean Water Act. The rule became effective in October 2014. 3 The rule establishes requirements for cooling water intake 4 5 structures ("CWIS") at existing facilities. Section 316(b) requires that the location, design, construction and 6 capacity of CWIS reflect the best technology available 7 ("BTA") for minimizing adverse environmental impacts. 8

The rule addresses impacts to aquatic life resulting from 10 11 operation of cooling water systems in the U.S. from either impingement or entrainment. Impingement mortality occurs 12 when fish and shellfish are pinned against the intake system 13 14 screens and unable to get free. Entrainment mortality occurs when small fish, eggs, and larvae pass through the 15 protective screens and into the cooling system. The rule 16 allows for seven different approaches to impingement 17 mortality reduction at affected facilities, each of which, 18 if it meets the goals defined for the approach by the rule, 19 20 would be considered fully compliant. These approaches are closed-cycle cooling tower; 21 a. 0.5 feet per second ("fps") through-screen design b. 22

velocity;

9

23

- c. 0.5 fps through-screen actual velocity;
- 25 d. existing offshore velocity cap;

| 1 | e. modified traveling screens; |
|----|---|
| 2 | f. system of technologies as the BTA for impingement |
| 3 | mortality; and, |
| 4 | g. meet impingement mortality performance standard. |
| 5 | |
| 6 | For entrainment compliance, the rule requires the |
| 7 | evaluation of closed-cycle cooling, alternative water |
| 8 | supplies, and fine mesh screens in terms of feasibility, |
| 9 | cost, and effectiveness for a site-specific determination |
| 10 | by the Florida Department of Environmental Protection |
| 11 | ("FDEP") Director. With respect to Big Bend Station, the |
| 12 | FDEP Director will make this determination by reviewing the |
| 13 | following study elements which are required to be submitted |
| 14 | with the National Pollutant Discharge Elimination System |
| 15 | ("NPDES") permit renewal application. These elements are: |
| 16 | a. 40 CFR 122.21(r)(2), Source Water Physical Data; |
| 17 | b. 40 CFR 122.21(r)(3), Cooling Water Intake |
| 18 | Structure Data; |
| 19 | c. 40 CFR 122.21(r)(4), Baseline Biological |
| 20 | Characterization; |
| 21 | d. 40 CFR 122.21(r)(5), Cooling Water System Data; |
| 22 | e. 40 CFR 122.21(r)(6), Chosen Method of Compliance |
| 23 | with Impingement Mortality Standard; |
| 24 | f. 40 CFR 122.21(r)(7) Entrainment Performance |
| 25 | Studies; and, |
| | |

40 CFR 122.21(r)(8) Operational Status. 1 q. 40 CFR 122.21(r)(9), Entrainment Characteriza-2 h. 3 tion Study; i. 40 CFR 122.21(r)(10), Feasibility and Cost Study; 4 5 j. 40 CFR 122.21(r)(11), Benefits Valuation Study; 40 CFR 122.21(r)(12) Environmental and Other k. 6 Impacts; and, 7 1. 40 CFR 122.21(r)(13) Peer Review of (r)(10), 8 (r)(11), and (r)(12). 9 10 Tampa Electric continues to perform the required studies 11 under its previously approved Clean Water Act Section 12 316(b) Phase II Study ECRC project. 13 14 As stated above, compliance with Section 316(b) is tied to 15 the renewal of the NPDES permit for the facility; however, 16 the rule included a provision to allow a request for an 17 alternative schedule for those facilities that had permit 18 renewal dates within 45 months of the finalization of the 19 20 rule. Big Bend Station requested such an alternative schedule to allow time to complete the study elements. 21 Within six months of the finalization of the company's Big 22 23 Bend Station NPDES permit, which is currently undergoing renewal by the FDEP, Tampa Electric will submit a plan of 24 study which will be used by FDEP to establish the compliance 25

schedule. However, the modernization of Big Bend Unit 1 to 1 a highly efficient, natural gas-fired unit (the "Big Bend 2 3 Unit 1 Modernization") requires NPDES permit modifications, and FDEP has agreed that it is appropriate to address 4 5 impingement mortality in conjunction with the Big Bend Unit Modernization. In addition, complying with the rule 6 1 requirements now will benefit customers because integrating 7 the impingement mortality equipment into the Big Bend Unit 8 1 Modernization project planning, design, and construction 9 work will be more efficient than retrofitting the unit with 10 11 the impingement mortality compliance equipment at a later date due to the additional outage time that would be needed 12 to perform the modifications later. 13 14 What is the specific scope of the company's petition for 15 Ο. approval of the Impingement Mortality Project? 16 17 The petition applies to impingement mortality requirements 18 Α. of Section 316(b) for the CWIS currently shared by Big Bend 19 20 Units 1 and 2. If the company's Clean Water Act Section 316(b) Phase II Study results indicate that additional 21 needed entrainment mortality 22 changes to meet are 23 requirements, this new system will accommodate installation of fine mesh screens, and cost recovery for such work would 24 addressed in addition, be а separate request. In 25

б

impingement and entrainment mortality compliance for Big 1 Bend Units 3 and 4 will need to be addressed at a later 2 3 date based on the results of the studies the company is performing under its Clean Water Act Section 316(b) Phase 4 5 II Study ECRC project and the NPDES permit renewal. 6 What actions must the company take in order to comply with 7 Q Rule 316(b) and the company NPDES permit? 8 9 In order to comply with Rule 316(b) and its NPDES permit, Α. 10 11 Tampa Electric must make modifications to its existing CWIS shared by Big Bend Units 1 and 2 for purposes of withdrawing 12 once-through cooling water from Tampa Bay. Each unit is 13 14 currently equipped with two 50 percent cooling water pumps which have dedicated traveling screens to protect the pumps 15 against entrainment of debris. This intake structure will 16 be modified to operate with the modernized Big Bend Unit 1, 17 and new dual flow modified traveling screens as well as a 18 fish collection and return system will be installed to 19 20 comply with the impingement mortality requirements of Section 316(b). The new system will allow aquatic life 21 impinged on the screens to be safely returned to a suitable 22 location. 23

24

25

The company hired an engineering firm to conduct studies to

evaluate Section 316(b) impingement mortality compliance 1 and has identified the modified traveling screens with fish 2 return as the most cost-effective solution to continue 3 operating Big Bend Unit 1 in compliance with Section 316(b). 4 5 The selected solution complies with option (e) in the list of compliance options stated above. 6 7 Engineering work for the Big Bend Unit 1 Section 316(b) 8 Impingement Mortality project began mid-year in 2018 to 9 support equipment procurement and a construction start date 10 11 in 2021 when Big Bend Units 1 and 2 will be shut down for the modernization project work. The Impingement Mortality 12 Project will be completed prior to commercial operation of 13 14 the Big Bend Unit 1 Modernization in January 2023. 15 16 Q. Please describe the costs of the Impingement Mortality Project. 17 18 The total estimated cost of the project is \$15.6 million. 19 20 The following table reflects a breakdown of the project components and their projected costs. 21 22 23 24 25

Big Bend Unit 1 Section 316(b) Impingement Mortality Project

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|----------|---|---|--|--|---|---|---|--|
| | | (\$000) | (\$000) | (\$000) | (\$000) | (\$000) | (\$000) | (\$000) |
| Capit | | | | | | | | |
| | eering | 1,650 | - | - | - | - | - | 1,650 |
| Equip | | 325 | 3,000 | 500 | - | - | - | 3,825 |
| | ruction | - | - | - | 500 | 7,750 | 250 | 8,500 |
| | ers Costs Dition / Retirement | 500 | | 500 | 500 | - 170 | - | <u>1,500</u> 170 |
| Total | | 2,475 | 3,000 | 1,000 | 1,000 | 7,920 | 250 | 15,645 |
| | rvice Annual O&M ¹ | 2,175 | 5,000 | 1,000 | 1,000 | 7,920 | 200 | 10,010 |
| | ble O&M | _ | - | _ | - | _ | 67 | |
| | ating Labor | - | - | - | - | - | 25 | |
| - | tenance Material | - | - | - | - | - | 99 | |
| Maint | tenance Labor | - | - | - | - | - | 65 | |
| Total | | - | - | - | - | - | 256 | |
| Q. | What steps will of the project a | | | | co ensi | ure tha | at the | cost: |
| | of the project a | ire rea | sonabl | e? | | | | |
| | - | ire rea | sonabl | e? | | | | |
| | of the project a | are rea vill fo | sonabl llow i | e? ts usu | al pru | dent a | nd pra | ctical |
| | of the project a Tampa Electric w | vill fo | sonabl llow i inclu | e? ts usu ding o | al pru compet: | dent a itive | nd pra biddin | ctica. Ig fo: |
| | of the project a Tampa Electric w procurement pol | vill fo icies, nts, to | sonabl llow i inclu o ensu | e? ts usu uding o re it | al pru compet: purcha | dent a itive ases ec | nd pra biddin quipmer | ctica: ng fo: nt and |
| | of the project a Tampa Electric w procurement pol project componer | vill fo icies, nts, to e best | sonabl llow i inclu pensu price | e? ts usu ding o re it es ava | al pru compet: purcha ilable | dent a itive ases ec . Thes | nd pra biddin quipmer se est | ctica: og fo: nt and imateo |
| | of the project a Tampa Electric w procurement pol project componer services at the | vill fo icies, nts, to e best y vary | sonabl llow i inclu pensu price due t | e? ts usu ding o re it es ava o timi | al pru compet: purcha ilable ng of | dent a itive uses ec . Thes the wo | nd pra biddin quipmer se est ork and | ctica: ng fo: nt and imateo d wil: |
| | of the project a Tampa Electric w procurement pol project componer services at the annual costs may | vill fo icies, nts, to e best y vary refin | sonabl llow i inclu o ensu price due t ed as | e? ts usu ding o re it es ava o timi desig | al pru compet: purcha ilable ng of n and | dent a itive ases ec . Thes the wo engin | nd pra biddin quipmer se est ork and neering | ctica og fo: nt and imateo d will wor |
| Q. A. | of the project a Tampa Electric w procurement pol project componer services at the annual costs may continue to be | vill fo icies, nts, to e best y vary refin npa El | sonabl llow i inclu price due t ed as ectric | e? ts usu ding o re it es ava o timi desig will | al pru compet: purcha ilable ng of n and prov | dent a itive ases ec . Thes the wo engin | nd pra biddin quipmer se est ork and neering | ctica og fo: nt and imateo d will wor |
| | of the project a Tampa Electric w procurement pol project componer services at the annual costs may continue to be progresses. Tam | vill fo icies, nts, to e best y vary refin npa El | sonabl llow i inclu price due t ed as ectric | e? ts usu ding o re it es ava o timi desig will | al pru compet: purcha ilable ng of n and prov | dent a itive ases ec . Thes the wo engin | nd pra biddin quipmer se est ork and neering | ctical og for nt and imated d will wor} |

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| 1 | | comply with applicable environmental mandates? |
| 2 | | |
| 3 | A. | Yes. Tampa Electric cannot continue operating Big Bend Unit |
| 4 | | 1 in compliance with Section 316(b) without making the CWIS |
| 5 | | modifications I have described. Section 316(b) compliance |
| 6 | | requires these modifications regardless of whether Big Bend |
| 7 | | Unit 1 is modernized to a natural gas-fired unit or |
| 8 | | continues to operate as coal-fired. |
| 9 | | |
| 10 | Q. | What is the Commission's policy governing ECRC cost |
| 11 | | recovery? |
| 12 | | |
| 13 | A. | The Commission's policy for initial cost recovery approval |
| 14 | | of an ECRC eligible project is set forth in Order No. PSC- |
| 15 | | 94-0044-FOF-EI issued January 12, 1994 in Docket No. |
| 16 | | 930613-EI, <u>In re: Gulf Power Company</u> , ("the Gulf Order") as |
| 17 | | follows: |
| 18 | | Upon petition, we shall allow the recovery |
| 19 | | of costs associated with an environmental |
| 20 | | compliance activity through the |
| 21 | | environmental cost recovery factor if: |
| 22 | | 1. such costs were prudently incurred after |
| 23 | | April 13, 1993: |
| 24 | | 2. the activity is legally required to |
| 25 | | comply with a governmentally imposed |
| | | |
| | | |

| | 1 | |
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| 1 | | environmental regulation enacted, |
| 2 | | became effective, or whose effect was |
| 3 | | triggered after the company's last test |
| 4 | | year upon which rates are based; and, |
| 5 | | 3. such costs are not recovered through |
| 6 | | some other cost recovery mechanism or |
| 7 | | through base rates. |
| 8 | | |
| 9 | Q. | Does the Impingement Mortality Project qualify for ECRC |
| 10 | | cost recovery under these principles? |
| 11 | | |
| 12 | A. | Yes. The proposed CWIS modifications merit ECRC cost |
| 13 | | recovery under the criteria set forth by the Commission in |
| 14 | | the Gulf Order. All costs associated with the project will |
| 15 | | be prudently incurred after April 13, 1993. The CWIS |
| 16 | | modifications to Big Bend Unit 1 are required in order for |
| 17 | | Tampa Electric to continue complying with the requirements |
| 18 | | of Section 316(b) and its NPDES permit. The need to |
| 19 | | construct CWIS modifications has been triggered after the |
| 20 | | company's last test year upon which rates are currently |
| 21 | | based. Finally, the costs of the proposed CWIS |
| 22 | | modifications are not recovered through some other cost |
| 23 | | recovery mechanism or through base rates. Like the Gulf |
| 24 | | Power ECRC project approved in Docket No. 980007-EI, the |
| 25 | | proposed CWIS modifications are needed in order to enable |
| | | |

| | 1 | |
|----|-------|---|
| 1 | | Tampa Electric to continue complying with applicable |
| 2 | | environmental mandates. |
| 3 | | |
| 4 | Q. | What is the schedule for the project? |
| 5 | | |
| 6 | A. | Tampa Electric expects to begin incurring 316(b) |
| 7 | | impingement mortality compliance costs associated with the |
| 8 | | proposed CWIS modifications for Big Bend Unit 1 in 2018. |
| 9 | | Project costs will be subject to audit by the Commission. |
| 10 | | |
| 11 | Q. | How should the projects costs be allocated? |
| 12 | | |
| 13 | A. | The project capital expenditures should be allocated to |
| 14 | | rate classes on a demand basis, and operation and |
| 15 | | maintenance expenses should be allocated to rate classes on |
| 16 | | an energy basis. |
| 17 | | |
| 18 | Big 1 | Bend ELG Rule Compliance Program |
| 19 | Q. | Please describe the Big Bend ELG Rule Compliance Program? |
| 20 | | |
| 21 | A. | The Big Bend ELG Rule Compliance Program is designed to |
| 22 | | enable Tampa Electric to comply with the Environmental |
| 23 | | Protection Agency's legally required ELG rule. |
| 24 | | |
| 25 | | On November 3, 2015 the Environmental Protection Agency |
| | | |

("EPA") published the final Steam Electric Power Generating 1 Effluent Limitations Guidelines ("ELG") in the Federal 2 3 Register. The effective date of the rule is January 4, 2016. The ELG establish limits for wastewater discharges from 4 5 flue gas desulfurization ("FGD") processes, fly ash and bottom ash transport water, leachate from ponds 6 and landfills containing coal combustion residuals ("CCR"), 7 gasification processes, and flue gas mercury controls. The 8 final rule requires compliance as soon as possible after 9 November 1, 2018, and no later than December 31, 2023. Since 10 11 these limitations will be incorporated in the National Pollutant Discharge Elimination System ("NPDES") permits, 12 compliance date will be determined through 13 the exact 14 discussions with the Florida Department of Environmental Protection ("FDEP"), whom EPA has delegated to administer 15 these permits. EPA extended the near-term deadlines for FGD 16 waste water and bottom ash transport water to as soon as 17 possible after November 1, 2020, while those limits are 18 under consideration. 19 20 What Tampa Electric facilities are affected by the ELG Rule? 21 Ο. 22

Tampa Electric facilities located at the company's Big Bend Station are affected by the ELG Rule. Big Bend Station operates four coal-fired steam electric power generating

units equipped with electrostatic precipitators, Selective 1 ("SCR") Catalytic Reduction and wet Limestone Forced 2 3 Oxidized ("LSFO") Flue Gas Desulfurization ("FGD") systems. The FGD system is designed to operate at a chloride 4 5 concentration of no more than 30,000 ppm chlorides. Chloride control is obtained by blowing down the FGD system 6 at approximately 230 gpm. This blow-down stream is sent to 7 a physical chemical treatment system to remove solids, some 8 metals, ammonia and adjust pH prior to discharge to Tampa 9 Bay via the once-through condenser cooling system water. 10 11 This treatment system will need to be modified or replaced in order to achieve compliance with the new EPA regulations. 12 13 14 Other ELG waste stream categories present at Big Bend Station are bottom and fly ash transport water, which will 15 be used for FGD scrubber make-up water, as allowed by the 16 ELG Rule. There are no other facilities at Big Bend Station 17 affected by the ELG Rule. 18 19 20 Q. Please describe the Big Bend ELG Study Program. 21 On February 2, 2016 Tampa Electric Company submitted its 22 Α. 23 Petition for Approval of its Big Bend ELG Study Program for cost recovery through the Environmental Cost Recovery 24 The Big Bend ELG Study Program was needed to Clause. 25

determine the most appropriate ELG compliance measure for that station. The Big Bend ELG Study Program was approved in Order No. PSC-16-0248-PAA-EI issued June 28, 2016 in Docket No. 20160027-EI, and confirmed in Consummating Order No. PSC-16-0290-CO-EI issued July 25, 2016 in Docket No. 20160027-EI.

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The Study identified the technically and commercially 8 available technologies which could be viable candidates to 9 treat the Tampa Electric Big Bend Station combined effluent 10 11 streams in order to bring the streams into compliance with the more stringent requirements under the ELG Rule. The 12 company has reviewed several options and selected the deep 13 14 well injection solution based on total project costs, including annual operating costs. This option allows the 15 one option to comply with ELG 16 company to use Rule parameters. Although capital costs for the options 17 considered varied, the deep well injection solution is one 18 of the least costly when capital costs and annual operating 19 20 costs are considered. Combined with the fact that the deep well injection solution does not degrade unit performance 21 as other options do, it is the best choice for Tampa 22 23 Electric's Big Bend Station ELG Rule compliance. 24

With the Study now completed, the company must obtain

environmental permitting and engage in the construction of 1 2 a test injection well to ensure that the selected deep well 3 injection method satisfies FDEP requirements. Once the test results are confirmed, the test injection well will be 4 5 converted to a permanent deep injection well system of two wells to comply with the ELG Rule. Obtaining Commission 6 approval for recovery of permitting, engineering, 7 and construction costs for both the test well and the permanent 8 deep injection well systems is the purpose of this section 9 of my testimony. 10 11

Q. What are the estimated costs of the Big Bend Station ELG
 Rule Compliance Program for which Tampa Electric is
 requesting ECRC recovery?

15

16 Α. Tampa Electric requests recovery of capital costs, estimated to be in a range of from \$18 million to \$26 17 million, preconstruction design, 18 for engineering, installation of permitting, and two injection wells, 19 20 together with one of three options the company is considering for pretreatment of the effluent discharge. The 21 pretreatment requirement will be determined after the FDEP 22 23 review of the test well results. The capital costs could range from an estimated \$18 million if no water softening 24 required and the company's permit allows blending 25 is

wastewater with county-treated effluent, to approximately \$21 million if 30 percent softening is required, and up to approximately \$26 million if full softening treatment is required. For purposes of illustration, the following table describes the component capital costs for the option of deep well injection with the pretreatment of 30 percent softening of the water prior to injection.

Capital Costs by Year

10

8

9

Deep Injection Wells with Pre-Treatment of 30% Water Softening

| | 2018 (\$000) | 2019 (\$000) | 2020 (\$000) | 2021 (\$000) | Total (\$000) |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Capital | | | | | |
| Permitting and Pre-Construction | | | | | |
| Engineering Design | 150 | 250 | 700 | - | 1,100 |
| Construction Engineering | - | | 1,800 | 400 | 2,200 |
| Well Construction (2 wells) | - | | 5,000 | 3,000 | 8,000 |
| Water Treatment (Softening) | - | | 7,100 | 2,600 | 9,700 |
| Total | 150 | 250 | 14,600 | 6,000 | 21,000 |

11

The permit application for deep well injection will be 12 submitted to the FDEP and will address testing, hydro-13 geological impacts, and construction specifications. The 14 cost estimates above estimate that permitting will be 15 completed in 2019, and well engineering and construction 16 costs will commence in 2019. Tampa Electric anticipates 17 well construction will take approximately one year to 18 19 complete.

After the test well is installed and reviewed, the company 1 2 will proceed to obtain permanent deep well injection 3 permits, convert the test well into a permanent deep injection well, and construct a second well. The deep well 4 5 injection solution includes two permanent wells because a well must be available at all times for the Big Bend Station 6 units' FGD systems to operate, and operation of the FGD 7 systems is an environmental requirement to run the 8 generating units. In addition, when maintenance is needed 9 on one of the deep injection wells, another well must be 10 11 available in order to run the units.

O&M expenses will be incurred after the wells are 13 in 14 operation, with annual costs for 30 percent softening expected to be \$1.9 million annually. The O&M expenses of 15 16 the other treatment options under consideration are shown in the following table. The treatment option selected will 17 depend on FDEP's test well review and requirements for 18 19 permanent well permits. These estimated annual costs may be revised due to timing of the work and will continue to be 20 refined as design and engineering work progresses. Tampa 21 Electric will provide updated cost estimates in its annual 22 23 ECRC filings.

24

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| 1 | | Total Capital and Annu | al O&M Cost | s | | | | | |
|----|---|---|------------------|-----------------------------|--|--|--|--|--|
| 2 | Deep Injection Wells with Various Pre-Treatment Options | | | | | | | | |
| | | | Capital Cost | Annual Operating Cost | | | | | |
| | | | (\$000) | (\$000) | | | | | |
| | | Deep well injection - with 30% softening | 21,000 | 1,900 | | | | | |
| | | Deep well injection - with full softening Deep well injection – with effluent blending | 26,000 18,000 | 4,500 700 | | | | | |
| 3 | | Deep wen injection with enricht erending | 10,000 | 100 | | | | | |
| 4 | Q. | Does this program qualify for | cost reco | very under the | | | | | |
| 5 | | Commission's ECRC policies of | the Gulf (| Order described | | | | | |
| 6 | | earlier in your testimony? | | | | | | | |
| 7 | | | | | | | | | |
| 8 | A. | Yes. Tampa Electric's Big Ber | nd ELG Comp | oliance Program | | | | | |
| 9 | | qualifies for ECRC cost recover | y under the | Gulf Order. The | | | | | |
| 10 | | costs of the program will be pru | dently incur | rred after April | | | | | |
| 11 | | 13, 1993. The company's planned | d activities | s under the Big | | | | | |
| 12 | | Bend ELG Compliance Program are | essential co | omponents of the | | | | | |
| 13 | | company's ability to comply with | n the EPA's l | egally required | | | | | |
| 14 | | ELG Rule which was adopted and | became effe | ctive after the | | | | | |
| 15 | | company's last test year upon w | which rates | are based. None | | | | | |
| 16 | | of the costs proposed under th | ne Big Bend | ELG Compliance | | | | | |
| 17 | | Program are recovered through | some other | cost recovery | | | | | |
| 18 | | mechanism or through base rates | | | | | | | |
| 19 | | | | | | | | | |
| 20 | Q. | How should program costs be all | ocated? | | | | | | |
| 21 | | | | | | | | | |

This program is a compliance activity associated with Α. 1 2 limitations on wastewater discharge. Capital costs to 3 implement the modified Big Bend ELG Compliance Program should be allocated to rate classes on a demand basis, and 4 operation and maintenance costs should be allocated to rate 5 classes on an energy basis. Estimated costs will be further 6 refined during engineering work, and the project cost 7 estimates will be updated in future filings with the 8 Commission. 9 10 11 Q. Please summarize your testimony. 12 My testimony supports Commission approval for ECRC cost 13 Α. 14 recovery purposes of Tampa Electric's Section 316(b) Impingement Mortality Project and its proposed Big Bend ELG 15 Rule Compliance Program. Both programs 16 meet the Commission's policy governing ECRC cost recovery as set 17 forth in the Gulf Order. The costs of each program will be 18 prudently incurred after April 13, 1993. The activities in 19 20 these programs are legally required to comply with a governmentally imposed environmental regulation enacted, 21 became effective, or whose effect was triggered after the 22 23 company's last test year upon which rates are based. Finally, such costs are not recovered through some other 24 cost recovery mechanism or through base rates. 25

| | 1 | | | | | | |
|----|----|------|-------|----------|------|------------|--|
| 1 | Q. | Does | this | conclude | your | testimony? | |
| 2 | | | | | | | |
| 3 | A. | Yes, | it do | Des. | | | |
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