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March 1, 2017

**VIA: ELECTRONIC MAIL**

Mr. Greg Shafer, Director  
Division of Economics  
Florida Public Service Commission  
Room 225E – Gerald L. Gunter Building  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

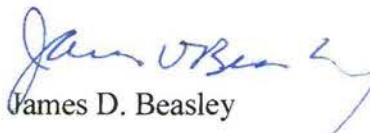
Re: Tampa Electric Company's Summary  
of 2016 DSM Program Accomplishments

Dear Mr. Shafer:

Enclosed for filing is Tampa Electric Company's Summary of 2016 Demand Side Management Program Accomplishments, including an Appendix A (DSM Energy Education and Awareness Activities of 2016).

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/pp  
Enclosure

cc: Paula K. Brown (w/o enc.)



**2016**

**DEMAND SIDE MANAGEMENT PROGRAM  
ACCOMPLISHMENTS**

**FILED: March 1, 2017**

**TAMPA ELECTRIC COMPANY-SUMMARY OF 2016  
 DEMAND SIDE MANAGEMENT PROGRAM ACCOMPLISHMENTS**

Tampa Electric received approval of its 2015-2024 Demand Side Management (“DSM”) goals in Docket No. 130201-EI, Order No. PSC-14-0696-FOF-EU, issued December 16, 2014. The company received approval of its 2015-2024 DSM Plan on August 11, 2015 in Docket No. 150081-EG, Order No. PSC-15-0323-PAA-EG. Tampa Electric transitioned to the DSM programs within the 2015-2024 DSM Plan on November 3, 2015 pursuant to receiving final approval of the supporting DSM standards on September 24, 2015.

For 2016, Tampa Electric achieved all the annual and cumulative residential, commercial and combined DSM goals. The company achieved the following demand and annual energy (“AE”) reductions identified at the generator:

| <u>2016 Residential Goals</u> |         | <u>Actual Residential DSM Achieved</u> |          |
|-------------------------------|---------|--|----------|
| SkW:                          | 1.6 MW  | SkW:                                   | 5.1 MW   |
| WkW:                          | 4.1 MW  | WkW:                                   | 7.7 MW   |
| AE:                           | 3.5 GWh | AE:                                    | 13.2 GWh |

| <u>2016 Commercial Goals</u> |         | <u>Actual Commercial DSM Achieved</u> |          |
|------------------------------|---------|---------------------------------------|----------|
| SkW:                         | 2.5 MW  | SkW:                                  | 4.4 MW   |
| WkW:                         | 1.3 MW  | WkW:                                  | 2.9 MW   |
| AE:                          | 6.0 GWh | AE:                                   | 17.8 GWh |

| <u>2016 Combined Goals</u> |         | <u>Actual Combined DSM Achieved</u> |          |
|----------------------------|---------|-------------------------------------|----------|
| SkW:                       | 4.1 MW  | SkW:                                | 9.5 MW   |
| WkW:                       | 5.4 MW  | WkW:                                | 10.6 MW  |
| AE:                        | 9.5 GWh | AE:                                 | 31.0 GWh |

Tampa Electric also successfully completed the phased closure of the company’s residential load management program (Prime Time) pursuant to Consummating Order No. PSC-15-0434-CO-EG.

For 2017, Tampa Electric remains committed to offering DSM programs that advance the policy objectives of FEECA, are directly monitorable and yield measurable results and are cost-effective to deliver. The company will continue its advertising campaign of bill inserts, print media and television advertisements aimed at educating customers on opportunities to participate in programs to assist in meeting their energy efficiency requirements. Additionally, the company will continue its focus on assisting and educating low-income customers and offering low-income initiatives and bringing greater energy awareness and education to Tampa Electric customers concerning the efficient use of energy. A summary of 2016 energy awareness and education activities is also included as appendix “A” to this report.

The attached pages present individual program participation levels and summaries that demonstrate the company achieved its annual residential, commercial and combined DSM goals as described in Rule 25-17, (4), Florida Administrative Code.

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL ALTERNATE AUDIT (aka Walk-Thru Audit or EA Free)  
 Program Start Date: May 1981  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 6,000   | 1.0%   | 8,304  | 8,304  | 1.3%  | 2,304  |
| 2016 | 640,090                   | 640,090                            | 12,000  | 1.9%   | 6,902  | 15,206   | 2.4%  | 3,206  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation |             | Program Total |              |
|----------------------|------------------|-------------|---------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator  |
| Summer kW Reduction  | 0.07             | 0.08        | 483.14        | 518.41       |
| Winter kW Reduction  | 0.08             | 0.09        | 559.06        | 599.87       |
| Annual kWh Reduction | 395              | 417         | 2,726,290.00  | 2,878,962.24 |

Utility Cost per Installation (\$): 298  
 Total Program Cost of the Utility (\$000): 2,059.8  
 Net Benefits of Measures Installed During Reporting Period (\$000): (2,043.9)  
 Note 1: Demand and energy savings not included in achievements

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL CUSTOMER ASSISTED AUDITS  
 Program Start Date: June 1996  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 500   | 0.1%   | 658  | 658  | 0.1%  | 158  |
| 2016 | 640,090                   | 640,090                            | 1,000   | 0.2%   | 1,017  | 1,675  | 0.3%  | 675  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016<sup>(1)</sup>**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.05             | 0.06        | 53.90         | 57.84       |
| Winter kW Reduction  | 0.06             | 0.07        | 62.04         | 66.57       |
| Annual kWh Reduction | 296              | 313         | 301,032.00    | 317,889.79  |

Participants 1,017

Utility Cost per Installation (\$): 61  
 Total Program Cost of the Utility (\$000): 62.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): 97.2  
 Note 1: Demand and energy savings not included in achievements

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL RCS AUDIT (Computer Assisted - Paid)  
 Program Start Date: January 1981  
 Reporting Period: Annual 2016

| a    | b                               | c   | d   | e  | f  | g  | h   | i   |
|------|---------------------------------|---|---|--|--|--|---|---|
| Year | Total<br>Number of<br>Customers | Total<br>Number of<br>Eligible<br>Customers | Projected<br>Cumulative<br>Number of<br>Program<br>Participants | Projected<br>Cumulative<br>Penetration<br>Level %<br>[(d/c)x100] | Actual<br>Annual<br>Number of<br>Program<br>Participants | Actual<br>Cumulative<br>Number of<br>Program<br>Participants | Actual<br>Cumulative<br>Penetration<br>Level %<br>[(g/c)x100] | Actual<br>Participation<br>Over (Under)<br>Projected<br>Participants<br>(g-d) |
| 2015 | 628,392                         | 628,392                                     | 1   | 0.0%   | 5  | 5  | 0.0%  | 4   |
| 2016 | 640,090                         | 640,090                                     | 2   | 0.0%   | 9  | 14   | 0.0%  | 12  |
| 2017 |                                 |   |   |  |  |  |   |   |
| 2018 |                                 |   |   |  |  |  |   |   |
| 2019 |                                 |   |   |  |  |  |   |   |
| 2020 |                                 |   |   |  |  |  |   |   |
| 2021 |                                 |   |   |  |  |  |   |   |
| 2022 |                                 |   |   |  |  |  |   |   |
| 2023 |                                 |   |   |  |  |  |   |   |
| 2024 |                                 |   |   |  |  |  |   |   |

**Annual Demand and Energy Savings - 2016<sup>(1)</sup>**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
|                      | Participants 9   |             |               |             |
| Summer kW Reduction  | 0.07             | 0.08        | 0.63          | 0.68        |
| Winter kW Reduction  | 0.08             | 0.09        | 0.73          | 0.78        |
| Annual kWh Reduction | 395              | 417         | 3,555.00      | 3,754.08    |

Utility Cost per Installation (\$): 774  
 Total Program Cost of the Utility (\$000): 7.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): (2.5)  
 Note 1: Demand and energy savings not included in achievements

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL CEILING INSULATION  
 Program Start Date: November 1982  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 494,802                            | 1,000   | 0.2%   | 3,057  | 3,057  | 0.6%  | 2,057  |
| 2016 | 640,090                   | 491,745                            | 2,000   | 0.4%   | 1,293  | 4,350  | 0.9%  | 2,350  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Participants 1,293<br>Program Total |              |
|----------------------|------------------|-------------|-------------------------------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter                             | @ Generator  |
| Summer kW Reduction  | 0.26             | 0.28        | 334.89                              | 359.33       |
| Winter kW Reduction  | 0.37             | 0.40        | 481.00                              | 516.11       |
| Annual kWh Reduction | 848              | 895         | 1,096,464.00                        | 1,157,865.98 |

Utility Cost per Installation (\$): 275  
 Total Program Cost of the Utility (\$000): 355.2  
 Net Benefits of Measures Installed During Reporting Period (\$000): 765.6

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL DUCT REPAIR  
 Program Start Date: September 1992  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i   |
|------|---------------------------|------------------------------------|---|---|--|--|--|---|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants<br>(g-d) |
| 2015 | 628,392                   | 480,750                            | 750   | 1.9%  | 1,895  | 1,895  | 0.8%   | 1,145   |
| 2016 | 640,090                   | 478,855                            | 1,500   | 1.9%  | 1,293  | 3,188  | 0.8%   | 1,688   |
| 2017 |                           |                                    |   |   |  |  |  |   |
| 2018 |                           |                                    |   |   |  |  |  |   |
| 2019 |                           |                                    |   |   |  |  |  |   |
| 2020 |                           |                                    |   |   |  |  |  |   |
| 2021 |                           |                                    |   |   |  |  |  |   |
| 2022 |                           |                                    |   |   |  |  |  |   |
| 2023 |                           |                                    |   |   |  |  |  |   |
| 2024 |                           |                                    |   |   |  |  |  |   |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
|                      |                  |             |               |             |
| Summer kW Reduction  | 0.17             | 0.18        | 221.10        | 237.24      |
| Winter kW Reduction  | 0.22             | 0.23        | 280.58        | 301.06      |
| Annual kWh Reduction | 298              | 315         | 385,314.00    | 406,891.58  |

Utility Cost per Installation (\$): 208  
 Total Program Cost of the Utility (\$000): 269.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): 276.3



Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL ELECTRONICALLY COMMUTATED MOTORS  
 Program Start Date: November 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 5   | 0.0%   | 4  | 4  | 0.0%  | (1)  |
| 2016 | 640,090                   | 640,090                            | 15  | 0.0%   | 0  | 4  | 0.0%  | (11)   |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation    |             | Participants 0<br>Program Total |             |
|----------------------|---------------------|-------------|---------------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                         | @ Generator |
|                      | Summer kW Reduction | 0.15        | 0.16                            | 0.00        |
| Winter kW Reduction  | 0.14                | 0.15        | 0.00                            | 0.00        |
| Annual kWh Reduction | 388                 | 410         | 0.00                            | 0.00        |

Utility Cost per Installation (\$): 0  
 Total Program Cost of the Utility (\$000): 0.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.3

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH  
 Program Start Date: May 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 500   | 0.1%  | 1,412  | 1,412  | 0.2%   | 912  |
| 2016 | 640,090                   | 640,090                            | 1,000   | 0.2%  | 461  | 1,873  | 0.3%   | 873  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation    |             | Participants 461<br>Program Total |             |
|----------------------|---------------------|-------------|-----------------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                           | @ Generator |
|                      | Summer kW Reduction | 0.03        | 0.03                              | 11.53       |
| Winter kW Reduction  | 0.05                | 0.05        | 21.21                             | 22.75       |
| Annual kWh Reduction | 342                 | 361         | 157,662.00                        | 166,491.07  |

Utility Cost per Installation (\$): 124  
 Total Program Cost of the Utility (\$000): 57.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): (97.4)

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: ENERGY STAR for New Homes (formerly RESIDENTIAL NEW CONSTRUCTION)  
 Program Start Date: Closed New Construction and opened ENERGY STAR November 2015  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 4,361                              | 100   | 2.3%   | 2,494  | 2,494  | 57.2%   | 2,394  |
| 2016 | 640,090                   | 3,870                              | 300   | 7.8%   | 403  | 2,897  | 74.9%   | 2,597  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Participants 403<br>Program Total |              |
|----------------------|------------------|-------------|-----------------------------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter                           | @ Generator  |
| Summer kW Reduction  | 0.53             | 0.57        | 213.99                            | 229.61       |
| Winter kW Reduction  | 0.49             | 0.53        | 197.47                            | 211.89       |
| Annual kWh Reduction | 2,489            | 2,628       | 1,003,067.00                      | 1,059,238.75 |

Utility Cost per Installation (\$): 1,048  
 Total Program Cost of the Utility (\$000): 422.2  
 Net Benefits of Measures Installed During Reporting Period (\$000): 878.8

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL HEATING AND COOLING  
 Program Start Date: July 2000  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 1,000   | 0.2%  | 5,214  | 5,214  | 1.0%   | 4,214  |
| 2016 | 640,090                   | 640,090                            | 2,000   | 0.3%  | 3,693  | 8,907  | 1.0%   | 6,907  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Participants 3,693<br>Program Total |              |
|----------------------|------------------|-------------|-------------------------------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter                             | @ Generator  |
| Summer kW Reduction  | 0.10             | 0.11        | 376.69                              | 404.18       |
| Winter kW Reduction  | 0.33             | 0.36        | 1,229.77                            | 1,319.54     |
| Annual kWh Reduction | 371              | 392         | 1,370,103.00                        | 1,446,828.77 |

Utility Cost per Installation (\$): 162  
 Total Program Cost of the Utility (\$000): 599.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): 1,425.1

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: NEIGHBORHOOD WEATHERIZATION  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 109,703                            | 5,000   | 4.6%   | 7,912  | 7,912  | 7.2%  | 2,912  |
| 2016 | 640,090                   | 111,745                            | 10,750  | 9.6%   | 5,495  | 13,407   | 12.0%   | 2,657  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Program Total |              |
|----------------------|------------------|-------------|---------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator  |
| Summer kW Reduction  | 0.24             | 0.26        | 1,324.30      | 1,420.97     |
| Winter kW Reduction  | 0.34             | 0.36        | 1,851.82      | 1,987.00     |
| Annual kWh Reduction | 1,222            | 1,290       | 6,714,890.00  | 7,090,923.84 |

Utility Cost per Installation (\$): 562  
 Total Program Cost of the Utility (\$000): 3,090.9  
 Net Benefits of Measures Installed During Reporting Period (\$000): (7,196.1)

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: ENERGY PLANNER  
 Program Start Date: September 2007  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 1,000   | 0.2%   | 1,088  | 1,088  | 0.2%  | 88   |
| 2016 | 640,090                   | 640,090                            | 2,000   | 0.3%   | 910  | 1,998  | 0.3%  | (2)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Participants 910<br>Program Total |             |
|----------------------|------------------|-------------|-----------------------------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter                           | @ Generator |
| Summer kW Reduction  | 2.01             | 2.16        | 1,830.92                          | 1,964.58    |
| Winter kW Reduction  | 3.13             | 3.36        | 2,851.94                          | 3,060.13    |
| Annual kWh Reduction | 242              | 256         | 220,220.00                        | 232,552.32  |

Utility Cost per Installation (\$) <sup>(1)</sup>: 738  
 Total Program Cost of the Utility (\$000): 3,268.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): 10,570.4  
 Note 1: Utility costs based upon total program costs and total participation

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL WALL INSULATION  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,329                            | 28  | 0.0%  | 122  | 122  | 0.0%   | 94   |
| 2016 | 640,090                   | 639,905                            | 56  | 0.0%  | 5  | 127  | 0.0%   | 71   |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.10             | 0.11        | 0.52          | 0.56        |
| Winter kW Reduction  | 0.23             | 0.24        | 1.13          | 1.21        |
| Annual kWh Reduction | 399              | 421         | 1,995.00      | 2,106.72    |

Participants 5

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL WINDOW REPLACEMENT  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 619,895                            | 500   | 0.1%   | 1,811  | 1,811  | 0.3%  | 1,311  |
| 2016 | 640,090                   | 629,783                            | 1,000   | 0.2%   | 1,417  | 3,228  | 0.5%  | 2,228  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Participants 1,417<br>Program Total |              |
|----------------------|------------------|-------------|-------------------------------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter                             | @ Generator  |
| Summer kW Reduction  | 0.31             | 0.33        | 440.69                              | 472.86       |
| Winter kW Reduction  | 0.21             | 0.23        | 300.40                              | 322.33       |
| Annual kWh Reduction | 1,121            | 1,184       | 1,588,457.00                        | 1,677,410.59 |

Utility Cost per Installation (\$): 382  
 Total Program Cost of the Utility (\$000): 540.8  
 Net Benefits of Measures Installed During Reporting Period (\$000): 1,898.1



Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL WINDOW FILM  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[[d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 625,431                            | 0   | 0.0%  | 379  | 379  | 0.1%   | 379  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |   |  |  |  |  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
|                      |                  |             |               |             |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL HVAC RE-COMMISSIONING  
 Program Start Date: November 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 627,437                            | 0   | 0.0%   | 138  | 138  | 0.0%  | 138  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: FREE COMMERCIAL/INDUSTRIAL AUDIT  
 Program Start Date: July 1983  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i   |
|------|---------------------------|------------------------------------|---|---|--|--|--|---|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[[d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[[g/c)x100] | Actual Participation Over (Under) Projected Participants<br>(g-d) |
| 2015 | 80,277                    | 80,277                             | 700   | 0.9%  | 913  | 913  | 1.1%   | 213   |
| 2016 | 80,875                    | 80,875                             | 1,400   | 1.7%  | 764  | 1,677  | 2.1%   | 277   |
| 2017 |                           |                                    |   |   |  |  |  |   |
| 2018 |                           |                                    |   |   |  |  |  |   |
| 2019 |                           |                                    |   |   |  |  |  |   |
| 2020 |                           |                                    |   |   |  |  |  |   |
| 2021 |                           |                                    |   |   |  |  |  |   |
| 2022 |                           |                                    |   |   |  |  |  |   |
| 2023 |                           |                                    |   |   |  |  |  |   |
| 2024 |                           |                                    |   |   |  |  |  |   |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation    |             | Participants 764<br>Program Total |             |
|----------------------|---------------------|-------------|-----------------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                           | @ Generator |
|                      | Summer kW Reduction | 0.09        | 0.10                              | 71.05       |
| Winter kW Reduction  | 0.09                | 0.10        | 71.82                             | 76.84       |
| Annual kWh Reduction | 817                 | 859         | 624,188.00                        | 656,645.78  |

Utility Cost per Installation (\$): 249  
 Total Program Cost of the Utility (\$000): 190.5  
 Net Benefits of Measures Installed During Reporting Period (\$000): (182.1)  
 Note 1: Demand and energy savings not included in achievements

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMPREHENSIVE COMMERCIAL/INDUSTRIAL AUDIT  
 Program Start Date: May 1981  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 4   | 0.0%   | 1  | 1  | 0.0%  | (3)  |
| 2016 | 80,875                    | 80,875                             | 8   | 0.0%   | 4  | 5  | 0.0%  | (3)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016 <sup>(1)</sup>

|                      | Per Installation    |             | Participants 4<br>Program Total |             |
|----------------------|---------------------|-------------|---------------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                         | @ Generator |
|                      | Summer kW Reduction | 0.09        | 0.10                            | 0.37        |
| Winter kW Reduction  | 0.09                | 0.10        | 0.38                            | 0.40        |
| Annual kWh Reduction | 817                 | 859         | 3,268.00                        | 3,437.94    |

Utility Cost per Installation (\$): 1,187  
 Total Program Cost of the Utility (\$000): 4.7  
 Net Benefits of Measures Installed During Reporting Period (\$000): (5.0)  
 Note 1: Demand and energy savings not included in achievements

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL CEILING INSULATION  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,026                             | 50  | 0.1%   | 41   | 41   | 0.1%  | (9)  |
| 2016 | 80,875                    | 79,985                             | 100   | 0.1%   | 14   | 55   | 0.1%  | (45)   |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016<sup>(1)</sup>**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.75             | 0.80        | 10.50         | 11.24       |
| Winter kW Reduction  | 0.02             | 0.02        | 0.28          | 0.30        |
| Annual kWh Reduction | 9,505            | 9,999       | 133,070.00    | 139,989.64  |

Utility Cost per Installation (\$): 2,817  
 Total Program Cost of the Utility (\$000): 39.4  
 Net Benefits of Measures Installed During Reporting Period (\$000): 82.0  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL CHILLERS  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 7,733                              | 5   | 0.1%   | 7  | 7  | 0.1%  | 2  |
| 2016 | 80,875                    | 8,851                              | 10  | 0.1%   | 5  | 12   | 0.1%  | 2  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016<sup>(1)</sup>

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
|                      | Participants     |             | 5             |             |
| Summer kW Reduction  | 17.05            | 18.24       | 85.25         | 91.22       |
| Winter kW Reduction  | 12.79            | 13.69       | 63.95         | 68.43       |
| Annual kWh Reduction | 47,887           | 50,377      | 239,435.00    | 251,885.62  |

Utility Cost per Installation (\$): 2,667  
 Total Program Cost of the Utility (\$000): 13.3  
 Net Benefits of Measures Installed During Reporting Period (\$000): 58.8  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: CONSERVATION VALUE  
 Program Start Date: April 1991  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 2   | 0.0%   | 4  | 4  | 0.0%  | 2  |
| 2016 | 80,875                    | 80,875                             | 4   | 0.0%   | 2  | 6  | 0.0%  | 2  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

|                      | Per Installation    |             | Program Total |             |
|----------------------|---------------------|-------------|---------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter       | @ Generator |
|                      | Summer kW Reduction | 178.95      | 191.48        | 357.90      |
| Winter kW Reduction  | 0.00                | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 4,877               | 5,131       | 9,754.00      | 10,261.21   |

Utility Cost per Installation (\$): 114,535  
 Total Program Cost of the Utility (\$000): 229.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): 399.0  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL COOL ROOF  
 Program Start Date: May 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,128                             | 20  | 0.0%  | 45   | 45   | 0.1%   | 25   |
| 2016 | 80,875                    | 80,681                             | 40  | 0.0%  | 25   | 70   | 0.1%   | 30   |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
|                      |                  |             |               |             |
| Summer kW Reduction  | 14.64            | 15.66       | 366.00        | 391.62      |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 35,692           | 37,548      | 892,300.00    | 938,699.60  |

Utility Cost per Installation (\$): 11,015  
 Total Program Cost of the Utility (\$000): 275.4  
 Net Benefits of Measures Installed During Reporting Period (\$000): 120.8  
 Note 1: Savings from measured data



Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL COOLING - DX  
 Program Start Date: July 2000  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[[d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[[g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 100   | 0.1%  | 234  | 234  | 0.3%   | 134  |
| 2016 | 80,875                    | 80,875                             | 200   | 0.2%  | 9  | 243  | 0.3%   | 43   |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation |             | Program Total  |             |
|----------------------|------------------|-------------|----------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter        | @ Generator |
|                      |                  |             | Participants 9 |             |
| Summer kW Reduction  | 0.93             | 1.00        | 8.37           | 8.96        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00           | 0.00        |
| Annual kWh Reduction | 1,814            | 1,908       | 16,326.00      | 17,174.95   |

Utility Cost per Installation (\$): 787  
 Total Program Cost of the Utility (\$000): 7.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): 15.8  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL COOLING - PTAC  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants                 | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 0   | 0.0%   | 0  | 0  | 0.0%  | 0  |
| 2016 |                           |                                    | This portion of Commercial Cooling was retired on November 3, 2015. |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL DEMAND RESPONSE  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 12,302                             | 1   | 0.0%   | 4  | 4  | 0.0%  | 3  |
| 2016 | 80,875                    | 12,937                             | 2   | 0.0%   | 0  | 4  | 0.0%  | 2  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016<sup>(1)</sup>

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
|                      |                  |             |               |             |
| Summer kW Reduction  | 470.59           | 503.53      | -             | -           |
| Winter kW Reduction  | 470.59           | 503.53      | -             | -           |
| Annual kWh Reduction | 35,294           | 37,129      | -             | -           |

Utility Cost per Installation (\$) <sup>(2)</sup>: 30,512  
 Total Program Cost of the Utility (\$000): 3,691.9  
 Net Benefits of Measures Installed During Reporting Period (\$000): 1,906.0

Note 1: Savings from measured data

Note 2: Utility costs based upon total program costs and total participation

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL DUCT REPAIR  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 70,369                             | 250   | 0.4%   | 257  | 257  | 0.4%  | 7  |
| 2016 | 80,875                    | 70,112                             | 500   | 0.7%   | 96   | 353  | 0.5%  | (147)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation    |             | Participants 96<br>Program Total |             |
|----------------------|---------------------|-------------|----------------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                          | @ Generator |
|                      | Summer kW Reduction | 0.19        | 0.20                             | 18.24       |
| Winter kW Reduction  | 0.00                | 0.00        | 0.00                             | 0.00        |
| Annual kWh Reduction | 867                 | 912         | 83,232.00                        | 87,560.06   |

Utility Cost per Installation (\$): 285  
 Total Program Cost of the Utility (\$000): 27.3  
 Net Benefits of Measures Installed During Reporting Period (\$000): 704.6  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL ELECTRONICALLY COMMUTATED MOTORS  
 Program Start Date: November 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 5   | 0.0%   | 85   | 85   | 0.1%  | 80   |
| 2016 | 80,875                    | 80,875                             | 10  | 0.0%   | 1,225  | 1,310  | 1.6%  | 1,300  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.04             | 0.04        | 49.00         | 52.43       |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 12               | 13          | 14,700.00     | 15,464.40   |

Participants 1,225

Utility Cost per Installation (\$): 13  
 Total Program Cost of the Utility (\$000): 15.4  
 Net Benefits of Measures Installed During Reporting Period (\$000): 655.0  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: INDUSTRIAL LOAD MANAGEMENT  
 Program Start Date: September 1999  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 79,457                    | 820                                | 1   | 0.1%  | 0  | 0  | 0.0%   | (1)  |
| 2016 | 80,875                    | 848                                | 2   | 0.2%  | 0  | 0  | 0.0%   | (2)  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

**Annual Demand and Energy Savings - 2016<sup>(1)</sup>**

|                      | Per Installation    |             | Program Total |             |
|----------------------|---------------------|-------------|---------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter       | @ Generator |
|                      | Summer kW Reduction | 3,119.00    | 3,337.33      | -           |
| Winter kW Reduction  | 3,095.00            | 3,311.65    | -             | -           |
| Annual kWh Reduction | 746,190             | 784,992     | -             | -           |

Participants 0

Utility Cost per Installation (\$) <sup>(2)</sup>: 466,581  
 Total Program Cost of the Utility (\$000): 15,863.7  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0

Note 1: Savings from measured data  
 Note 2: Utility costs based upon total program costs and total participation

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL LIGHTING - CONDITIONED SPACE  
 Program Start Date: January 1991  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 25  | 0.0%   | 86   | 86   | 0.1%  | 61   |
| 2016 | 80,875                    | 80,875                             | 50  | 0.1%   | 159  | 245  | 0.3%  | 195  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016 <sup>(1)</sup>

|                      | Per Installation |             | Program Total |               |
|----------------------|------------------|-------------|---------------|---------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator   |
|                      |                  |             |               |               |
| Summer kW Reduction  | 14.89            | 15.93       | 2,367.51      | 2,533.24      |
| Winter kW Reduction  | 11.60            | 12.41       | 1,844.40      | 1,973.51      |
| Annual kWh Reduction | 70,041           | 73,683      | 11,136,519.00 | 11,715,617.99 |

Utility Cost per Installation (\$): 2,168  
 Total Program Cost of the Utility (\$000): 344.7  
 Net Benefits of Measures Installed During Reporting Period (\$000): 7,261.8  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL LIGHTING - UNCONDITIONED SPACE  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 5   | 0.0%  | 16   | 16   | 0.0%   | 11   |
| 2016 | 80,875                    | 80,875                             | 10  | 0.0%  | 60   | 76   | 0.1%   | 66   |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

Annual Demand and Energy Savings - 2016 <sup>(1)</sup>

|                      | Per Installation |             | Program Total |              |
|----------------------|------------------|-------------|---------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator  |
|                      | Participants 60  |             |               |              |
| Summer kW Reduction  | 10.95            | 11.72       | 657.00        | 702.99       |
| Winter kW Reduction  | 10.95            | 11.72       | 657.00        | 702.99       |
| Annual kWh Reduction | 54,344           | 57,170      | 3,260,640.00  | 3,430,193.28 |

Utility Cost per Installation (\$): 1,031  
 Total Program Cost of the Utility (\$000): 61.9  
 Net Benefits of Measures Installed During Reporting Period (\$000): 182.4  
 Note 1: Savings from measured data



Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL OCCUPANCY SENSORS  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 15  | 0.0%   | 2  | 2  | 0.0%  | (13)   |
| 2016 | 80,875                    | 80,875                             | 30  | 0.0%   | 12   | 14   | 0.0%  | (16)   |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016<sup>(1)</sup>

|                      | Per Installation |             | Program Total   |              |
|----------------------|------------------|-------------|-----------------|--------------|
|                      | @ Meter          | @ Generator | @ Meter         | @ Generator  |
|                      |                  |             | Participants 12 |              |
| Summer kW Reduction  | 15.69            | 16.79       | 188.28          | 201.46       |
| Winter kW Reduction  | 12.55            | 13.43       | 150.60          | 161.14       |
| Annual kWh Reduction | 95,812           | 100,794     | 1,149,744.00    | 1,209,530.69 |

Utility Cost per Installation (\$): 1,261  
 Total Program Cost of the Utility (\$000): 15.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): 11.2  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL LOAD MANAGEMENT- EXTENDED  
 Program Start Date: January 1988  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 1   | 0.0%   | 0  | 0  | 0.0%  | (1)  |
| 2016 | 80,875                    | 80,875                             | 2   | 0.0%   | 0  | 0  | 0.0%  | (2)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 92.00            | 98.44       | 0.00          | 0.00        |
| Winter kW Reduction  | 60.00            | 64.20       | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$): 0  
 Total Program Cost of the Utility (\$000): 0.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL LOAD MANAGEMENT- CYCLIC  
 Program Start Date: January 1988  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 1   | 0.0%   | 0  | 0  | 0.0%  | (1)  |
| 2016 | 80,875                    | 80,875                             | 2   | 0.0%   | 0  | 0  | 0.0%  | (2)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

|                      | Per Installation |             | Participants  |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      |                  |             | Program Total |             |
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 13.20            | 14.12       | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$) <sup>(1)</sup>: 2,090  
 Total Program Cost of the Utility (\$000): 12.5  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0  
 Note 1: Utility costs based upon total program costs and total participation

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL/INDUSTRIAL REFRIGERATION (ANTI-CONDENSATE)  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 8,028                              | 1   | 0.0%   | 0  | 0  | 0.0%  | (1)  |
| 2016 | 80,875                    | 8,088                              | 2   | 0.0%   | 0  | 0  | 0.0%  | (2)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

| Annual Demand and Energy Savings - 2016 | Per Installation    |             | Participants 0<br>Program Total |             |
|---|---------------------|-------------|---------------------------------|-------------|
|   | @ Meter             | @ Generator | @ Meter                         | @ Generator |
|   | Summer kW Reduction | 0.80        | 0.86                            | 0.00        |
| Winter kW Reduction                     | 1.32                | 1.41        | 0.00                            | 0.00        |
| Annual kWh Reduction                    | 12,933              | 13,606      | 0.00                            | 0.00        |

Utility Cost per Installation (\$): 0  
 Total Program Cost of the Utility (\$000): 0.2  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: STANDBY GENERATOR  
 Program Start Date: January 1991  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 2,304                              | 1   | 0.0%  | 4  | 4  | 0.2%   | 3  |
| 2016 | 80,875                    | 2,449                              | 2   | 0.1%  | 0  | 4  | 0.2%   | 2  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

Annual Demand and Energy Savings - 2016<sup>(1)</sup>

|                      | Per Installation |             | Participants |             |
|----------------------|------------------|-------------|--------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter      | @ Generator |
|                      |                  |             |              |             |
| Summer kW Reduction  | 298.00           | 318.86      | -            | -           |
| Winter kW Reduction  | 298.00           | 318.86      | -            | -           |
| Annual kWh Reduction | 29,800           | 31,350      | -            | -           |

Utility Cost per Installation (\$) <sup>(2)</sup>: 32,405  
 Total Program Cost of the Utility (\$000): 2,948.9  
 Net Benefits of Measures Installed During Reporting Period (\$000): 5,326.0

Note 1: Savings from measured data

Note 2: Utility costs based upon total program costs and total participation

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: THERMAL ENERGY STORAGE  
 Program Start Date: November-2015  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 7,733                              | 1   | 0.0%   | 0  | 0  | 0.0%  | (1)  |
| 2016 | 80,875                    | 7,791                              | 3   | 0.0%   | 0  | 0  | 0.0%  | (3)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation    |             | Participants Program Total |             |
|----------------------|---------------------|-------------|----------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                    | @ Generator |
|                      | Summer kW Reduction | 185.14      | 198.10                     | 0.00        |
| Winter kW Reduction  | 0.00                | 0.00        | 0.00                       | 0.00        |
| Annual kWh Reduction | 19,244              | 20,245      | 0.00                       | 0.00        |

Utility Cost per Installation (\$): 0  
 Total Program Cost of the Utility (\$000): 1.1  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL WALL INSULATION  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 2   | 0.0%   | 0  | 0  | 0.0%  | (2)  |
| 2016 | 80,875                    | 80,875                             | 4   | 0.0%   | 0  | 0  | 0.0%  | (4)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.50             | 0.54        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.39             | 0.42        | 0.00          | 0.00        |
| Annual kWh Reduction | 682              | 717         | 0.00          | 0.00        |

Utility Cost per Installation (\$): 0  
 Total Program Cost of the Utility (\$000): 0.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL WATER HEATING  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 1   | 0.0%   | 0  | 0  | 0.0%  | (1)  |
| 2016 | 80,875                    | 80,875                             | 2   | 0.0%   | 0  | 0  | 0.0%  | (2)  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

| Annual Demand and Energy Savings - 2016 | Per Installation    |             | Participants 0<br>Program Total |             |
|---|---------------------|-------------|---------------------------------|-------------|
|   | @ Meter             | @ Generator | @ Meter                         | @ Generator |
|   | Summer kW Reduction | 0.63        | 0.68                            | 0.00        |
| Winter kW Reduction                     | 0.33                | 0.35        | 0.00                            | 0.00        |
| Annual kWh Reduction                    | 4,735               | 4,981       | 0.00                            | 0.00        |

Utility Cost per Installation (\$): 0  
 Total Program Cost of the Utility (\$000): 0.0  
 Net Benefits of Measures Installed During Reporting Period (\$000): 0.0



Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL WINDOW FILM  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 0   | 0.0%  | 18   | 18   | 0.0%   | 18   |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |   |  |  |  |  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

|                      | Per Installation |             | Participants  |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      |                  |             | Program Total |             |
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL/INDUSTRIAL EFFICIENT MOTORS  
 Program Start Date: March 2008  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 12,302                             | 0   | 0.0%  | 0  | 0  | 0.0%   | 0  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |   |  |  |  |  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

|                      | Per Installation    |             | Program Total |             |
|----------------------|---------------------|-------------|---------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter       | @ Generator |
|                      | Summer kW Reduction | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00                | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                   | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL LIGHTING - EXIT SIGNS.  
 Program Start Date: May 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 0   | 0.0%   | 2  | 2  | 0.0%  | 2  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Participants Program Total |             |
|----------------------|------------------|-------------|----------------------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter                    | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00                       | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00                       | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00                       | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL HVAC RE-COMMISSIONING  
 Program Start Date: November 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 0   | 0.0%   | 250  | 250  | 0.3%  | 250  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

|                      | Per Installation |             | Participants  |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      |                  |             | Program Total |             |
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL ENERGY RECOVERY VENTILATION  
 Program Start Date: May 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 0   | 0.0%  | 0  | 0  | 0.0%   | 0  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |   |  |  |  |  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: COMMERCIAL ROOF INSULATION  
 Program Start Date: May 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 0   | 0.0%   | 2  | 2  | 0.0%  | 2  |
| 2016 |                           |                                    | Program was retired on November 3, 2015.            |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

|                      | Per Installation |             | Participants  |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      |                  |             | Program Total |             |
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RESIDENTIAL PV  
 Program Start Date: April 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 60  | 0.0%   | 53   | 53   | 0.0%  | (7)  |
| 2016 |                           |                                    | Program was retired on December 31, 2015.           |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016**

|                      | Per Installation |             | Program Total |             |
|----------------------|------------------|-------------|---------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter       | @ Generator |
| Summer kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00          | 0.00        |
| Annual kWh Reduction | 0                | 0           | 0.00          | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data based upon size of PV installations installed.

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RENEWABLE - SOLAR WATER HEATING  
 Program Start Date: April 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e   | f  | g  | h  | i  |
|------|---------------------------|------------------------------------|---|---|--|--|--|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level %<br>[(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level %<br>[(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 628,392                            | 15  | 0.0%  | 54   | 54   | 0.0%   | 39   |
| 2016 |                           |                                    | Program was retired on December 31, 2015.           |   |  |  |  |  |
| 2017 |                           |                                    |   |   |  |  |  |  |
| 2018 |                           |                                    |   |   |  |  |  |  |
| 2019 |                           |                                    |   |   |  |  |  |  |
| 2020 |                           |                                    |   |   |  |  |  |  |
| 2021 |                           |                                    |   |   |  |  |  |  |
| 2022 |                           |                                    |   |   |  |  |  |  |
| 2023 |                           |                                    |   |   |  |  |  |  |
| 2024 |                           |                                    |   |   |  |  |  |  |

|                      | Per Installation |             | Participants |             |
|----------------------|------------------|-------------|--------------|-------------|
|                      |                  |             | 0            |             |
|                      | @ Meter          | @ Generator | @ Meter      | @ Generator |
| Summer kW Reduction  | 0.30             | 0.32        | -            | -           |
| Winter kW Reduction  | 0.61             | 0.65        | -            | -           |
| Annual kWh Reduction | 2,376            | 2,509       | -            | -           |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):



Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RENEWABLE - LOW-INCOME WATER HEATING  
 Program Start Date: April 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 628,392                   | 125,678                            | 5   | 0.0%   | 0  | 0  | 0.0%  | (5)  |
| 2016 |                           |                                    | Program was retired on December 31, 2015.           |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

Annual Demand and Energy Savings - 2016

|                      | Per Installation |             | Participants 0<br>Program Total |             |
|----------------------|------------------|-------------|---------------------------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter                         | @ Generator |
| Summer kW Reduction  | 0.30             | 0.32        | 0.00                            | 0.00        |
| Winter kW Reduction  | 0.61             | 0.65        | 0.00                            | 0.00        |
| Annual kWh Reduction | 2,376            | 2,509       | 0                               | 0           |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: Commercial PV  
 Program Start Date: April 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 80,277                    | 80,277                             | 5   | 0.0%   | 1  | 1  | 0.0%  | (4)  |
| 2016 |                           |                                    | Program was retired on December 31, 2015.           |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016<sup>(1)</sup>**

|                      | Per Installation    |             | Participants 0<br>Program Total |             |
|----------------------|---------------------|-------------|---------------------------------|-------------|
|                      | @ Meter             | @ Generator | @ Meter                         | @ Generator |
|                      | Summer kW Reduction | 0.00        | 0.00                            | 0.00        |
| Winter kW Reduction  | 0.00                | 0.00        | 0.00                            | 0.00        |
| Annual kWh Reduction | 0                   | 0           | 0.00                            | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data based upon size of PV installations installed

Demand Side Management Annual Report

Utility: Tampa Electric Company  
 Program Name: RENEWABLE - PV FOR SCHOOLS  
 Program Start Date: April 2011  
 Reporting Period: Annual 2016

| a    | b                         | c                                  | d   | e  | f  | g  | h   | i  |
|------|---------------------------|------------------------------------|---|--|--|--|---|--|
| Year | Total Number of Customers | Total Number of Eligible Customers | Projected Cumulative Number of Program Participants | Projected Cumulative Penetration Level % [(d/c)x100] | Actual Annual Number of Program Participants | Actual Cumulative Number of Program Participants | Actual Cumulative Penetration Level % [(g/c)x100] | Actual Participation Over (Under) Projected Participants (g-d) |
| 2015 | 79,457                    | 301                                | 1   | 0.3%   | 1  | 1  | 0.3%  | 0  |
| 2016 |                           |                                    | Program was retired on December 31, 2015.           |  |  |  |   |  |
| 2017 |                           |                                    |   |  |  |  |   |  |
| 2018 |                           |                                    |   |  |  |  |   |  |
| 2019 |                           |                                    |   |  |  |  |   |  |
| 2020 |                           |                                    |   |  |  |  |   |  |
| 2021 |                           |                                    |   |  |  |  |   |  |
| 2022 |                           |                                    |   |  |  |  |   |  |
| 2023 |                           |                                    |   |  |  |  |   |  |
| 2024 |                           |                                    |   |  |  |  |   |  |

**Annual Demand and Energy Savings - 2016 <sup>(1)</sup>**

|                      | Per Installation |             | Participants |             |
|----------------------|------------------|-------------|--------------|-------------|
|                      | @ Meter          | @ Generator | @ Meter      | @ Generator |
| Summer kW Reduction  | 5.60             | 5.99        | 0.00         | 0.00        |
| Winter kW Reduction  | 0.00             | 0.00        | 0.00         | 0.00        |
| Annual kWh Reduction | 15,768           | 16,588      | 0.00         | 0.00        |

Utility Cost per Installation (\$):  
 Total Program Cost of the Utility (\$000):  
 Net Benefits of Measures Installed During Reporting Period (\$000):  
 Note 1: Savings from measured data based upon size of PV installations installed.

| Comparison of Annual Achieved kW and kWh Reductions<br>with Public Service Commission Established Goals<br>Savings at the Generator |                          |                          |            |                          |                          |            |                      |                          |            |
|---|--------------------------|--------------------------|------------|--------------------------|--------------------------|------------|----------------------|--------------------------|------------|
| Utility: TAMPA ELECTRIC COMPANY   |                          |                          |            |                          |                          |            |                      |                          |            |
| Residential   |                          |                          |            |                          |                          |            |                      |                          |            |
| Year  | Winter Peak MW Reduction |                          |            | Summer Peak MW Reduction |                          |            | GWh Energy Reduction |                          |            |
|   | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved       | Commission Approved Goal | % Variance |
| 2015  | 12.3                     | 2.6                      | 473.1%     | 10.8                     | 1.1                      | 981.8%     | 21.2                 | 1.8                      | 1177.8%    |
| 2016  | 7.7                      | 4.1                      | 187.8%     | 5.1                      | 1.6                      | 318.8%     | 13.2                 | 3.5                      | 377.1%     |
| 2017  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2018  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2019  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2020  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2021  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2022  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2023  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2024  |                          |                          |            |                          |                          |            |                      |                          |            |
| Commercial/Industrial   |                          |                          |            |                          |                          |            |                      |                          |            |
| Year  | Winter Peak MW Reduction |                          |            | Summer Peak MW Reduction |                          |            | GWh Energy Reduction |                          |            |
|   | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved       | Commission Approved Goal | % Variance |
| 2015  | 8.1                      | 1.2                      | 675.0%     | 11.7                     | 1.7                      | 688.2%     | 12.5                 | 3.9                      | 320.5%     |
| 2016  | 2.9                      | 1.3                      | 223.1%     | 4.4                      | 2.5                      | 176.0%     | 17.8                 | 6.0                      | 296.7%     |
| 2017  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2018  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2019  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2020  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2021  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2022  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2023  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2024  |                          |                          |            |                          |                          |            |                      |                          |            |
| Combined  |                          |                          |            |                          |                          |            |                      |                          |            |
| Year  | Winter Peak MW Reduction |                          |            | Summer Peak MW Reduction |                          |            | GWh Energy Reduction |                          |            |
|   | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved       | Commission Approved Goal | % Variance |
| 2015  | 20.4                     | 3.8                      | 536.8%     | 22.5                     | 2.8                      | 803.6%     | 33.7                 | 5.7                      | 591.2%     |
| 2016  | 10.6                     | 5.4                      | 196.3%     | 9.5                      | 4.1                      | 231.7%     | 31.0                 | 9.5                      | 326.3%     |
| 2017  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2018  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2019  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2020  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2021  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2022  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2023  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2024  |                          |                          |            |                          |                          |            |                      |                          |            |

Comparison of Cumulative Achieved kW and kWh Reductions  
with Public Service Commission Established Goals  
Savings at the Generator

Utility: TAMPA ELECTRIC COMPANY

| Residential           |                          |                          |            |                          |                          |            |                      |                          |            |
|-----------------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|------------|----------------------|--------------------------|------------|
| Year                  | Winter Peak MW Reduction |                          |            | Summer Peak MW Reduction |                          |            | GWh Energy Reduction |                          |            |
|                       | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved       | Commission Approved Goal | % Variance |
| 2015                  | 12.3                     | 2.6                      | 473.1%     | 10.8                     | 1.1                      | 981.8%     | 21.2                 | 1.8                      | 1177.8%    |
| 2016                  | 20.0                     | 6.7                      | 298.5%     | 15.9                     | 2.7                      | 588.9%     | 34.4                 | 5.3                      | 649.1%     |
| 2017                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2018                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2019                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2020                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2021                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2022                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2023                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2024                  |                          |                          |            |                          |                          |            |                      |                          |            |
| Commercial/Industrial |                          |                          |            |                          |                          |            |                      |                          |            |
| Year                  | Winter Peak MW Reduction |                          |            | Summer Peak MW Reduction |                          |            | GWh Energy Reduction |                          |            |
|                       | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved       | Commission Approved Goal | % Variance |
| 2015                  | 8.1                      | 1.2                      | 675.0%     | 11.7                     | 1.7                      | 688.2%     | 12.5                 | 3.9                      | 320.5%     |
| 2016                  | 11.0                     | 2.5                      | 440.0%     | 16.1                     | 4.2                      | 383.3%     | 30.3                 | 9.9                      | 306.1%     |
| 2017                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2018                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2019                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2020                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2021                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2022                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2023                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2024                  |                          |                          |            |                          |                          |            |                      |                          |            |
| Combined              |                          |                          |            |                          |                          |            |                      |                          |            |
| Year                  | Winter Peak MW Reduction |                          |            | Summer Peak MW Reduction |                          |            | GWh Energy Reduction |                          |            |
|                       | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved           | Commission Approved Goal | % Variance | Total Achieved       | Commission Approved Goal | % Variance |
| 2015                  | 20.4                     | 3.8                      | 536.8%     | 22.5                     | 2.8                      | 803.6%     | 33.7                 | 5.7                      | 591.2%     |
| 2016                  | 31.0                     | 9.2                      | 337.0%     | 32.0                     | 6.9                      | 463.8%     | 64.7                 | 15.2                     | 425.7%     |
| 2017                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2018                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2019                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2020                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2021                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2022                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2023                  |                          |                          |            |                          |                          |            |                      |                          |            |
| 2024                  |                          |                          |            |                          |                          |            |                      |                          |            |

**TAMPA ELECTRIC COMPANY-SUMMARY OF 2016  
DEMAND SIDE MANAGEMENT PROGRAM ACCOMPLISHMENTS**

**Appendix A**

DSM Energy Education and Awareness Activities of 2016

Tampa Electric participated in over 40 designated energy education and awareness events across the company's service area in 2016. These events do not include the daily interactions of energy education that Tampa Electric Team Members have with customers through email or phone calls, one-on-one discussions nor with customers that are participating in one of Tampa Electric's Commission approved DSM programs. These events cover educating all ages, income classes and rate classes of customers on energy education and awareness. Several highlighted events include:

- 2016 Hillsborough County Neighborhoods Conference
- 2016 Spring Trade Show - Sun City Center Chamber of Commerce
- 7 Rivers Water Festival
- Association participation – Tampa Bay Builders & Refrigeration and Air Conditioning Contractors
- Beasley Kid's Day
- Blessed Sacrament Manor
- Clean Air City of Tampa
- Eco Fest
- Fiesta Day
- Florida Birding and Nature Festival
- Florida Buildings Engineering and Facility Maintenance Show
- Great American Teach-In
- Habitat Hillsborough/Energy Efficiency Homeowner
- Hillsborough Community College - Earth Day
- Howard W. Blake High School - West Tampa
- Lawton Chiles Science Night
- LEGOLAND - Child Education
- Lennard High School-South County
- Lifestyles after 50 Fun Fest
- Manatee Viewing Center/Girl Scouts
- Middleton High School - East Tampa
- National Night Out
- Rampello Magnet School
- Ruby Lake Home Owners Association
- Shaw Elementary School
- The Encore - Earth Day
- University of South Florida Engineering Expo
- Woods, Water and Wildlife
- YBOR's City Unity in the Community