

**BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition for recovery of costs associated  
with named tropical systems during the 2015, )  
2016, and 2017 hurricane seasons and )  
replenishment of storm reserve subject to )  
final true-up, Tampa Electric Company. )

DOCKET NO. 20170271-EI  
FILED: March 13, 2019

**TAMPA ELECTRIC COMPANY'S  
ANSWERS TO NINTH SET OF INTERROGATORIES (NOS. 115 - 127)  
OF  
OFFICE OF PUBLIC COUNSEL**

Tampa Electric files this its Answers to Interrogatories (Nos. 115 - 127) propounded and served on February 26, 2019 by the Office of Public Counsel.

TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
INDEX TO OPC'S NINTH SET OF INTERROGATORIES (NOS. 115 – 127)

<u>Number</u>	<u>Witness</u>	<u>Subject</u>	<u>Bates Stamped Page</u>
115	Young	Did you contract with embedded vendor crews that worked throughout the calendar years 2014, 2015, 2016, 2017 and 2018 doing non-storm work? If the answer is yes, please provide a list of all such embedded vendors that worked for you.	1
116	Young	For the embedded vendors listed in question 1, provide a detailed description of the type of work each embedded vendor performed for your company by calendar year.	2
117	Young	Does the size of a construction project dictate when your company would hire or utilize an embedded vendor's crew(s)? If the answer is yes, please provide a detailed list of the types of construction projects such embedded vendor crews would perform.	4
118	Young	Do you have embedded vendor crews perform normal maintenance such as street light maintenance, or outage repairs?	5
119	Young	Do you have embedded vendor crews perform normal construction work such as pole or transformer replacement?	6
120	Young	Please identify all non-storm contact rates for any embedded vendor crews that you hired or utilized during 2014, 2015, 2016, 2017, and 2018.	7
121	Young	Please describe in detail any criteria the company uses to determine if and/or when to engage an embedded vendor's crew in your operations. (These criteria should include the size of a construction project, the location of the project, etc.)	8
122	Young	Please state what factors determine when and whether an embedded vendor's crew transitions from emergency storm restoration work at the higher rate (and greater than 40 hour work week) to a lower rate with limitations on the amount of overtime or premium time billing.	9
123	Young	Please provide a detailed list of all the types of projects or the types of functions which your company has used embedded vendors' crews.	10

124	Chronister	Please provide your regular base payroll costs (i.e. do not include incentive compensation) for each of the last three years (2016, 2017, and 2018).	11
125	Chronister	Please provide the historical average for regular base payroll (i.e. do not include incentive compensation) for the last three years (2016, 2017, and 2018).	12
126	Chronister	Please provide your overtime payroll costs for each of the last three years (2016, 2017, and 2018). Please provide overtime payroll with storm-related overtime included and excluded from the amounts.	13
127	Chronister	Please provide the historical average for overtime payroll for the last three years (2016, 2017, and 2018). Please provide the historical average for overtime payroll with storm related overtime included and excluded from the amounts.	14

Jeffrey Chronister  
Vice President, Finance

Beth Young  
Director, Asset Management, Planning & Support

Tampa Electric Company  
702 N. Franklin Street  
Tampa, Florida 33602

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 115  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**For the purposes of Interrogatories 115 through 123, the term "embedded vendor" means a vendor providing storm restoration services using distribution line restoration and repair crews, transmission repair, restoration and construction crews, and vegetation management crews, and which vendor also performs similar or additional types of services for you in non-storm-restoration (non-emergency) conditions on a year-round basis.**

**115.** Did you contract with embedded vendor crews that worked throughout the calendar years 2014, 2015, 2016, 2017 and 2018 doing non-storm work? If the answer is yes, please provide a list of all such embedded vendors that worked for you.

**A.** Tampa Electric has maintained a level of embedded vendor crews throughout the calendar years 2014, 2015, 2016, 2017 and 2018 that provide support to internal company resources in the performance of many distribution, transmission, vegetation management and lighting construction and maintenance activities on a year-round non-storm-restoration (non-emergency) basis. These crews become an "embedded vendor", as defined above, providing storm restoration services when the need arises. These vendors are:

- American Lighting & Signalization Inc.
- Davey Tree Expert Company
- Pike Electric
- Powertown Line Construction
- Service Electric company
- SPE, Inc.
- Team Fishel company
- Trees, LLC

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 116  
PAGE 1 OF 2  
FILED: MARCH 13, 2019**

**116.** For the embedded vendors listed in question 1, provide a detailed description of the type of work each embedded vendor performed for your company by calendar year.

**A.** The following contractors have provided the types of work listed for all years 2014, 2015, 2016, 2017 and 2018, unless otherwise noted:

- American Lighting & Signalization provided maintenance service for all outdoor lighting on Tampa Electric's system.
- Davey Tree Expert Company provided all line clearance activities for both new construction, routine cycle trim and 'hot spot' trimming needs on Tampa Electric's system.
- Pike Electric provided transmission pole replacements and maintenance work, and all types of overhead distribution construction. Starting in 2018, Pike also began providing underground construction services other than network construction, underground services, conduit or grounding. Pike also provided construction service for outdoor lighting on Tampa Electric's system.
- In 2015, Power Town Line Construction began providing all types of overhead construction on the distribution system, focused primarily on trouble related work and pole replacements.
- Service Electric Company provided transmission pole replacements, maintenance on the transmission system, transmission wire stringing and transmission capital project work. They have also provided all types of distribution system work starting in mid-2015, other than network construction and underground services, conduit & grounding. In mid-2018, Service Electric shifted their work to only network construction. In addition, Service Electric Company provided construction service of outdoor lighting on Tampa Electric's system specific to support the City of Tampa's "Bright Light, Safe Nights" program in 2016.
- SPE, Inc. provided transmission and distribution pole replacements and maintenance work.
- Team Fishel provided all types of distribution system work other than network construction and underground services, conduit and grounding.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 116  
PAGE 2 OF 2  
FILED: MARCH 13, 2019**

In late 2018, Fishel began providing network construction services. Team Fishel also provided construction and maintenance service for outdoor lighting on Tampa Electric's system.

- Trees, LLC provided all line clearance activities for both new construction, routine cycle trim and 'hot spot' trimming needs on Tampa Electric's system.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 117  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**117.** Does the size of a construction project dictate when your company would hire or utilize an embedded vendor's crew(s)? If the answer is yes, please provide a detailed list of the types of construction projects such embedded vendor crews would perform.

**A.** Yes, the size of a project may dictate when Tampa Electric would hire or utilize an embedded vendor's crew(s).

Distribution: For distribution construction, the size of a project would not generally impact the number of crews Tampa Electric may need from a contractor. Embedded vendors are utilized more based upon the overall workload than the size of the particular construction project.

Transmission: For transmission construction, if the particular project requires more than a full-time commitment of more than 50 percent of Tampa Electric's internal transmission resources, the project will be contracted out. These projects are typically new construction or reconducting which may take multiple years to complete.

Vegetation Management: Embedded vendors are utilized for all vegetation management workload provided the project's size and scope is within the work capability of the vendor.

Street and Outdoor Lighting: Embedded vendors support the company's street and outdoor lighting internal company resources to maintain the lighting system during non-storm operations and may be called upon if a project's size and scope exceeds the capacity of internal company resources.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 118  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**118.** Do you have embedded vendor crews perform normal maintenance such as street light maintenance, or outage repairs?

**A.** Yes, the company has embedded vendor crews that perform normal maintenance such as street light maintenance, or outage repairs. For example, for the company's street and outdoor lighting, Tampa Electric has embedded vendor resources that support internal company resources to maintain the lighting system during non-storm operations. For storm restoration, these vendor crews may be asked to continue to support maintenance if the damage to Tampa Electric's electrical system is small. If the damage is significant, such as what the company experienced with Hurricane Irma, these vendor crews will be asked to assist in restoration efforts of the company's electrical or lighting system. The company may also request, again depending on the magnitude of the storm and restoration required, additional non-embedded resources from these same vendor entities that provide embedded resources. In addition, distribution line contractors will perform normal maintenance work for the company.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 119  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**119.** Do you have embedded vendor crews perform normal construction work such as pole or transformer replacement?

**A.** Yes, Tampa Electric utilizes embedded distribution line contractors that perform normal construction work such as pole or transformer replacements for the company. Tampa Electric utilizes transmission line contractors for all project work that exceeds the capacity of the company's internal transmission line resources.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 120  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

- 120.** Please identify all non-storm contact rates for any embedded vendor crews that you hired or utilized during 2014, 2015, 2016, 2017, and 2018.
- A.** See response to OPC's Seventh Request to Produce Documents, Response No. 19.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 121  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**121.** Please describe in detail any criteria the company uses to determine if and/or when to engage an embedded vendor's crew in your operations. (These criteria should include the size of a construction project, the location of the project, etc.)

**A.** Distribution: Workload is the fundamental criteria used to determine if and/or when to engage an embedded vendor's crew to assist in the performance of the company's operations. The contractor line crews supplement the Tampa Electric line crews. Powertown, for example, provides crews during nights and weekends so that the company can respond timely to outages. Internal crews are also called out to help with outages. The company plans its customer driven work through a Plan of the Week, where resources are matched with the hours of work that needs to be performed. If there is more work than the capacity of internal crews to perform, then contractors perform the additional work. Beyond the customer driven work, both contractors and internal crews are assigned preventive maintenance work, such as replacing poles under the Pole Inspection Program, or padmounted equipment under the company's Padmount Inspection Program.

Transmission: For transmission construction, if the particular project requires more than a full-time commitment of more than 50 percent of Tampa Electric's internal transmission resources, the project will be contracted out. These projects are typically new construction or reconducting which may take multiple years to complete.

Vegetation Management: Embedded vegetation management vendors are engaged when the work required for the project is within their company means. Size, scope, location and project timeline all factor into the decision to engage embedded vendors.

Street and Outdoor Lighting: Embedded vendors support the company's street and outdoor lighting internal company resources to maintain the lighting system during non-storm operations and may be called upon if a project's size and scope exceeds the capacity of internal company resources.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 122  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**122.** Please state what factors determine when and whether an embedded vendor's crew transitions from emergency storm restoration work at the higher rate (and greater than 40 hour work week) to a lower rate with limitations on the amount of overtime or premium time billing.

**A.** Tampa Electric's embedded vendor crews transition from emergency storm rates when Tampa Electric management determines that all damage or outages caused by the storm have been restored. Overtime or premium time billing are executed in accordance with the individual contracts with the embedded vendor crews.

Embedded vegetation management vendors do not have variable rates. Overtime rates are executed in accordance with the contract. Storm impact determines the volume of workforce utilized for restoration, as well as the duration.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 123  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**123.** Please provide a detailed list of all the types of projects or the types of functions which your company has used embedded vendors' crews.

**A.** Distribution: As mentioned in Interrogatory Response No. 116, contactor line crews can work any type of job on Tampa Electric's distribution system. This would include:

- Road widenings
- Customer driven new construction (feeders, laterals, services)
- Reliability projects such as relay service, conductor upgrades
- Distribution line sections of expansion projects, such as distribution under-build on a transmission circuit, new substation construction
- Preventive/proactive maintenance, such as cap bank, pole, padmount replacements, worst performing circuits
- 3rd party damage
- Storm related work (not major storm)
- Network construction/maintenance
- Bad UG primary cables
- Services maintenance

Transmission Embedded crews will perform new transmission circuit construction, maintenance pole replacements, insulator changeouts, reconductor operations, pole pulls and distribution transfers.

Vegetation Management: Embedded vegetation management vendors support, in some capacity, all aspects of Tampa Electric's vegetation management needs, e.g., proactive maintenance, reactive requests, project clearing and storm restoration.

Street and Outdoor Lighting: Embedded vendors support the company's street and outdoor lighting internal company resources in the installation of new lights, lighting poles, wiring systems, handholes and all associated repair, maintenance and replacement needs. In addition, embedded vendors will also assist the company in large lighting projects such as the street and outdoor lighting light emitting diode ("LED") conversion project.

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 124  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**124.** Please provide your regular base payroll costs (i.e. do not include incentive compensation) for each of the last three years (2016, 2017, and 2018).

**A.** Tampa Electric's regular base payroll costs, that does not include any incentive compensation, for each of the last three years (2016, 2017, and 2018) is below:

2016: \$181,407,553

2017: \$185,784,710

2018: \$189,869,300

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 125  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**125.** Please provide the historical average for regular base payroll (i.e. do not include incentive compensation) for the last three years (2016, 2017, and 2018).

**A.** Tampa Electric's historical average for regular base payroll costs, that does not include any incentive compensation for the last three years (2016, 2017, and 2018) is below:

Regular base payroll three-year average: \$185,687,188

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 126  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**126.** Please provide your overtime payroll costs for each of the last three years (2016, 2017, and 2018). Please provide overtime payroll with storm-related overtime included and excluded from the amounts.

**A.** Tampa Electric's overtime payroll costs for each of the last three years (2016, 2017, and 2018) with and without storm-related overtime included is below:

Overtime payroll costs with storm related overtime

2016: \$25,696,090

2017: \$24,860,784

2018: \$26,085,935

Overtime payroll costs without storm related overtime

2016: \$24,461,729

2017: \$21,528,770

2018: \$26,085,661

**TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
OPC'S NINTH SET OF  
INTERROGATORIES  
INTERROGATORY NO. 127  
PAGE 1 OF 1  
FILED: MARCH 13, 2019**

**127.** Please provide the historical average for overtime payroll for the last three years (2016, 2017, and 2018). Please provide the historical average for overtime payroll with storm related overtime included and excluded from the amounts.

**A.** Tampa Electric's historical average for overtime payroll costs for the last three years (2016, 2017, and 2018) with and without storm-related overtime included is below:

Three-year average with storm-related overtime:	\$25,547,603
Three-year average without storm-related overtime:	\$24,025,387

A F F I D A V I T

STATE OF FLORIDA            )  
  )  
COUNTY OF HILLSBOROUGH )

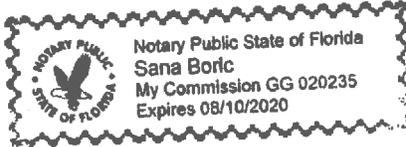
Before me the undersigned authority personally appeared, Jeffrey Chronister who deposed and said that he is a Vice President, Finance, Tampa Electric Company, and that the individuals listed in Tampa Electric Company's response to OPC's Ninth Set of Interrogatories, (Nos. 124 - 127) prepared or assisted with the responses to these interrogatories to the best of his information and belief.

Dated at Tampa, Florida this 11 day of March, 2019.

  
\_\_\_\_\_

Sworn to and subscribed before me this 11<sup>th</sup> day of March, 2019.

  
\_\_\_\_\_



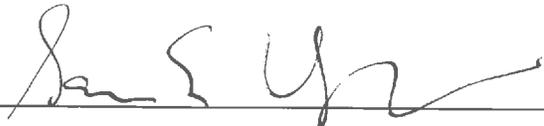
My Commission expires \_\_\_\_\_

A F F I D A V I T

STATE OF FLORIDA            )  
  )  
COUNTY OF HILLSBOROUGH )

Before me the undersigned authority personally appeared, Beth Young who deposed and said that she is a Director, Asset Management, Planning & Support, Tampa Electric Company, and that the individuals listed in Tampa Electric Company's response to OPC's Ninth Set of Interrogatories, (Nos. 115 - 123) prepared or assisted with the responses to these interrogatories to the best of her information and belief.

Dated at Tampa, Florida this 11 day of March, 2019.

  
\_\_\_\_\_

Sworn to and subscribed before me this 11<sup>th</sup> day of March, 2019.

  
\_\_\_\_\_



My Commission expires \_\_\_\_\_