

**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: APRIL 9, 2018

**TAMPA ELECTRIC COMPANY'S  
ANSWERS TO FIRST SET OF INTERROGATORIES (NOS. 1-39)  
OF  
OFFICE OF PUBIC COUNSEL**

Tampa Electric files this its Answers to Interrogatories (Nos. 1 - 39)  
propounded and served on March 23, 2018 by the Office of Public Counsel.

TAMPA ELECTRIC COMPANY  
DOCKET NO. 20170271-EI  
INDEX TO OPC'S FIRST SET OF INTERROGATORIES (NOS. 1-39)

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| 1             | Gerard Chasse   | Storm Timeline. For each storm listed on Exhibit D of the Company's Amended Petition, please provide a timeline summary, by district, indicating when the first costs were incurred, when the majority of the mobilization began, when the storm began, the peak storm time, when the storm ended, when demobilization started, when the majority of final costs were incurred and when the final cost was incurred (i.e. when follow-up work was completed).   | 1                                 |
| 2             | Jeff Chronister | Storm Costs. Does the Company distinguish between functions and what costs are subject to recovery (i.e. distribution, transmission, etc.)? If so, why wasn't it presented that way? If not, why not?   | 7                                 |
| 3             | Gerard Chasse   | System. Please provide, by year, for 2015-2017, a summary of distribution miles that identifies the number of miles, the number of poles, the amount of conductor and the number of transformers by district.   | 8                                 |
| 4             | Gerard Chasse   | System. For each storm, please provide the number of miles, the number of poles, the amount of conductor and the number of transformers that were impacted by each of the respective storms.  | 12                                |
| 5             | Gerard Chasse   | Storm Accounting Policies and Procedures. Please provide a detailed explanation how the storm costs were accounted for (i.e. by cost code or other designation), including the following:<br>a. the designation used;<br>b. how the costs were charged to specific functions;<br>c. how materials and supplies were accounted for (i.e. withdrawn from inventory and charged to the storm)<br>d. how vehicle and fuel costs were tracked or assigned;<br>e. how contractors and vendors were instructed to account for capital work | 13                                |
| 6             | Gerard Chasse   | Contractors. Please explain what measures are taken to determine that contractor's rates are reasonable and comparable from contractor to contractor.   | 15                                |
| 7             | Gerard Chasse   | Standby. Does the Company have any information that would identify what costs were incurred for standby of contractors and mutual assistance? If not, explain why the Company does not analyze this cost, how the Company mitigates standby and how the Company can assert that all the cost requested are reasonable   | 16                                |

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| 8  | Jeff Chronister | Recovery. Please refer to paragraph 30 of the Amended Petition. Provide a timeline by month showing over what period of time the Company estimates recovery will be achieved showing the amount estimated to be recovered by month.   | 17 |
| 9  | Jeff Chronister | Recovery. Please refer to paragraph 35 of the Amended Petition. Provide the expected date the Company will file the documentation and testimony referenced.   | 18 |
| 10 | Gerard Chasse   | Replacement Costs – Poles. For each storm, please provide a summary of the number of poles replaced, by either Company crews or contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.                                    | 19 |
| 11 | Gerard Chasse   | Replacement Costs - Conductors. For each storm, please provide a summary of the number of miles of conductor replaced, by Company crews or contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.                         | 20 |
| 12 | Gerard Chasse   | Replacement Costs - Cross Arms. For each storm, please provide a summary of the number of cross arms replaced, by Company crews or by contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.                              | 21 |
| 13 | Gerard Chasse   | Replacement Costs - Cross Transformers. For each storm, please provide a summary of the number of cross transformers replaced, by Company crews or by contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.              | 22 |
| 14 | Gerard Chasse   | Mobilization/Demobilization. Please refer to Exhibit D of the Amended Petition. For each of the five storms, please provide a summary, by function, of what amount of contractor and what amount of line clearing costs included in their respective totals were for mobilization and demobilization. | 23 |
| 15 | Jeff Chronister | Capitalized Cost. For each storm, please provide a detailed summary, by function, showing an itemization of plant costs by type (i.e. poles, conductor, cross arms, transformers, etc.) that were capitalized and the associated quantities.  | 24 |
| 16 | Jeff Chronister | Capital Costs/Non-Incremental Costs/Third Party Billings. Please refer to Exhibit D of the Amended Petition. Please explain why there are no cost   | 26 |

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|    |                 | adjustments for costs being capitalized, third party billings and/or excluded as non-incremental. If the capitalized costs and non-incremental costs have been excluded, please provide a summary for each storm, showing the total storm costs recorded by type or function and the amount capitalized, billed to third parties, and the amount of non-incremental costs excluded (i.e. the net cost should equal the amounts shown on Exhibit D). |    |
| 17 | Jeff Chronister | Payroll. Please refer to Exhibit D of the Amended Petition. For each of the five storms, please provide an explanation of what related costs, if any, are included in the overtime payroll amounts, identifying each type of related costs and, to the extent available, the respective amount(s) (i.e. benefits, overheads and payroll taxes).   | 27 |
| 18 | Jeff Chronister | Payroll. Please refer to Exhibit D of the Amended Petition. Please explain why there is no regular payroll included in the storm related costs. If there was regular payroll recorded for each of the storms, provide by storm the amount recorded and show how it was excluded from this request (i.e. as non-incremental or as capitalized).  | 28 |
| 19 | Jeff Chronister | Payroll. Please refer to Exhibit D of the Amended Petition. Identify the amount of any incentive compensation included in the recorded costs charged to each of the storms and identify how any of the costs were excluded from this request (i.e. as non-incremental or as capitalized).   | 29 |
| 20 | Jeff Chronister | Payroll. Please provide for each year, 2015-2017, the regular payroll, by O&M account, included in base rates identifying the Docket setting rates and the effective date rates when into effect (i.e. if rates went into effect during the year provide a prorate from each docket for that year).   | 30 |
| 21 | Jeff Chronister | Regular Payroll. For each storm, please provide a summary of the regular payroll by week charged to restoration work order (i.e. this would be just payroll and excludes overheads and/or other related costs).   | 31 |
| 22 | Jeff Chronister | Overtime Payroll. For each storm, please provide a summary of the overtime payroll by week by charged to restoration work order (i.e. this would be just payroll and excludes overheads and/or other related costs).  | 32 |
| 23 | Gerard Chasse   | Third Party Billing. Was the Company billed by any third-party pole owners for pole replacements performed by the third party? If so, please provide a summary of costs by third parties..  | 34 |

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| 24 | Gerard Chasse   | Third Party Billing. Did the Company bill any third party for pole replacements performed by the Company? If so, please provide a summary of costs billed the third party.   | 35 |
| 25 | Gerard Chasse   | Third-Party Reimbursement. Please provide an explanation how the costs for third-party reimbursement were tracked and billed and include a summary of poles replaced along with the associated cost.   | 36 |
| 26 | Jeff Chronister | Overhead Costs. For payroll costs, if an overhead rate was used for benefits and other related costs, please provide, by year, the respective overhead rates and an explanation of how the rates were determined.  | 37 |
| 27 | Jeff Chronister | Overheads. For the same time period the relevant storm costs were recorded, please provide the respective overhead rates used for recording the normal general operating costs for the Company and explain any difference between the normal rates and the rates used for storm costs. | 38 |
| 28 | Gerard Chasse   | Outside Contractors. Are all outside contractors' time to be approved by a TECO representative? If yes, what happens if time reports are not approved? If no, explain why not and how the Company can be confident that the services were performed?                                   | 39 |
| 29 | Gerard Chasse   | Outside Services - Line Clearing. For each storm, please provide a summary of costs (listing each invoice), by line clearing contractor.   | 40 |
| 30 | Gerard Chasse   | Outside Services - Line Clearing. For each storm, please provide a summary showing the date and number of crews mobilized and the date and number of crews demobilized.  | 53 |
| 31 | Gerard Chasse   | Outside Services - Contractors. Please explain in detail what services were performed by function by outside contractors (i.e. pole & wire work, plant repairs, etc.).   | 54 |
| 32 | Gerard Chasse   | Outside Services - Contractors. Please identify whether outside contractors set poles and provide the number of poles set by contractors for each storm identified in the Amended Petition.  | 55 |
| 33 | Gerard Chasse   | Outside Services - Contractors. For each storm, please provide a summary of costs (listing each invoice) by function, by contractor.   | 56 |
| 34 | Gerard Chasse   | Materials & Supplies Expense. For each storm, please provide a summary of costs, by period charged, by function, by type of costs  | 63 |

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| 35 | Gerard Chasse   | Materials & Supplies Issue. For each storm, please provide a summary of costs, by period charged, by function, by type of costs.   | 65 |
| 36 | Gerard Chasse   | Materials & Supplies Issue. Please provide an explanation as to how costs are tracked for issues and returns, and how the final cost was actually determined.  | 67 |
| 37 | Gerard Chasse   | Vehicle & Fuel. For each storm, please provide a summary of costs by function identifying the costs by type (i.e. overhead charge, invoiced, contractor/vendor charge, other, etc.), how the costs were excluded from Exhibit D of the Amended Petition and why the cost trail is not presented. | 68 |
| 38 | Jeff Chronister | Other Operating Expenses. Please explain what type of costs are included in "Other Operating Expenses" and provide, for each storm, a summary of costs, by type, by function.  | 70 |
| 39 | Jeff Chronister | Employee Expenses. Please explain what type of costs are included in "Employee Expenses" and for each storm identified in the Amended Petition, provide summary of costs, by type, by function.  | 72 |

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Beth Young  
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OPC'S FIRST SET OF  
INTERROGATORIES  
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**The following questions refer to the five named storms identified in the Company's Amended Petition for Recovery of Costs and Replenishment of Storm Reserve (Amended Petition) filed January 30, 2018: Erika, Colin, Hermine, Matthew and Irma.**

1. Storm Timeline. For each storm listed on Exhibit D of the Company's Amended Petition, please provide a timeline summary, by district, indicating when the first costs were incurred, when the majority of the mobilization began, when the storm began, the peak storm time, when the storm ended, when demobilization started, when the majority of final costs were incurred and when the final cost was incurred (i.e. when follow-up work was completed).
  
- A. Below are the summary timelines for each storm listed on Exhibit D of the company's amended petition. The summaries provide a timeline, indicating when the first costs were incurred, when the majority of the mobilization began, when the storm began, the peak storm time, when the storm ended, when demobilization started, when the majority of final costs were incurred and when the final cost was incurred (i.e. when follow-up work was completed).

**Tropical Storm ("TS") Erika**

Tampa Electric's Energy Delivery Department commenced emergency operations preparation on Friday, August 28, 2015. These preparations included requesting crews from outside sources to travel and arrive on Sunday, August 30, 2015, in preparation for the restoration. The initial forecasts called for TS Erika to travel up the center of the state, which would have most impacted Tampa Electric's Winter Haven Service Area.

By 9:30am Saturday, August 29, 2015, the National Hurricane Center ("NHC") declared that TS Erika had dissipated. Tampa Electric reassessed the weather situation and determined in the early afternoon to release all outside resources. The outside resources were all notified by 4pm Saturday.

As of Monday, August 31, 2015, the remains of TS Erika were still predicted to bring rain and wind over the company's service area. Tampa Electric made the decision to work internal resources on a 6am to 10pm work schedule to support restoration activities.

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The majority of Tampa Electric's final costs for Tropical Storm Erika were incurred in August 2015, with the final costs in December 2015.

**TS Colin**

Tampa Electric's Energy Delivery Department went into a soft activation on Friday, June 3, 2016, as the company monitored the storm. Tampa Electric arranged for a native contractor to provide up to an additional 45 crews with 13 hours' notice. On Sunday, June 5, 2016, Tampa Electric went into partial activation and the native contractor was requested to provide an extra 25 crews. At this time, hotels, food, security and staging areas were activated. Full activation occurred on Monday, June 6, 2016. Peak winds were recorded around 5pm on Monday, June 6, 2016.

On the morning of Wednesday, June 8, 2016, outside resources were released and the company discontinued storm operations.

The official start time of the storm was determined to be at 3pm, Sunday, June 5, 2016, based on the number of breaker operations, timing of circuit outages and time of weather impacting the service area. The stop time of the storm was determined to be at 8am, Wednesday, June 8, 2016, based on the total number of customers out.

All of Tampa Electric's costs for Tropical Storm Colin were incurred in June 2016, including the final costs.

**Hurricane Hermine**

Tampa Electric's Energy Delivery Department began preparatory storm calls on Monday, August 22, 2016. Formal activation for Tampa Electric's Energy Delivery Department began on Thursday, August 25, 2016. At that time, a request was made for up to 250 distribution line, 50 line clearance and 30 damage assessment personnel, both Southeastern Electric Exchange ("SEE") and non-SEE resources, with arrival set for Sunday, August 28, 2016.

On Friday, August 26, 2016, with a change in forecasted timing and intensity of the Hurricane, Tampa Electric made the decision to release all SEE personnel

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and delay some of the non-SEE personnel already on the road until the evening of Wednesday, August 31, 2016. The number of Incident Bases were also scaled back from three to one.

Between Saturday, August 27, 2016, and Wednesday, August 31, 2016, changing and generally improving forecasts resulted in continuous shifting of plans and schedules. On Wednesday, August 31, 2016, three squalls passed over Tampa Electric's service area with gusts up to 30 miles per hour ("mph") and two inches of rain.

Overnight Thursday, September 1, 2016 and Friday, September 2, 2016, Tampa Electric's service area was impacted by two separate and significant rain bands from Hurricane Hermine that produced strong winds and heavy rain. Because of the outages caused by these two rain bands, Tampa Electric secured additional crews to arrive Saturday morning, September 3, 2016, to assist in restoration efforts. With significant restoration progress made overnight Friday, Tampa Electric was able to release most outside resources to Duke Energy Florida at the end of the day Saturday, September 3, 2016. The Incident Base was deactivated after the crews were fed dinner Saturday evening.

The official start of the storm was 11am, Wednesday, August 31, 2016, based on a review of the number of breaker operations. The official stop time of the storm was determined to be 3pm, Friday, September 2, 2016, based on the number of breaker operations, trouble tickets and total number of customers out.

The majority of Tampa Electric's costs for Hurricane Hermine were incurred in August 2016, with the final costs in February 2017. The extended time for the final costs was due to delays in receiving contractor invoices.

### **Hurricane Matthew**

Preliminary discussions begin occurring in Tampa Electric's Energy Delivery Department on Thursday, September 29, 2016. On Wednesday, October 5, 2016, Tampa Electric commenced emergency operations given the storm's path was projected to ride up the east coast of Florida. This forecast put parts of the company's service area in the cone of Hurricane Matthew's potential path, primarily the Winter Haven service area.

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Also, at that time, it was determined that neither SEE or non-SEE resources would be required, however the option was left open for Tampa Electric to request outside resources in the event the storm's path moved westward toward the other portions of Tampa Electric's service area. Tampa Electric began preparing by securing yards, materials and coordinating restoration preparation and response work schedules.

Hurricane Matthew's path kept it just offshore of the east coast of Florida. Customer outages in Tampa Electric's service area were quickly restored during the day Friday, October 7, 2016. The official start of the storm was 3pm, Thursday, October 6, 2016, based on a review of the number of breaker operations. The official stop time of the storm was determined to be 11:59pm, Friday, October 7, 2016 based on an analysis of the number of breaker operations, trouble tickets and total number of customers out.

The majority of Tampa Electric's costs for Hurricane Matthew were incurred in October 2016, with the final costs in February 2017. The extended time for the final costs was due to delays in receiving contractor invoices.

### **Hurricane Irma**

Tampa Electric's Energy Delivery Department began holding "touch base" calls on Sunday, September 3, 2017, to discuss the storm and what initial preparations would be required. On Tuesday, September 5, 2017, Tampa Electric began securing additional transmission, distribution and damage assessment crews to support possible restoration efforts. On Wednesday, September 6, 2017, Tampa Electric's Energy Delivery Department and the entire corporation went into full emergency operations.

For the rest of the week of September 4, 2017, Tampa Electric worked to prepare for the effects of Hurricane Irma by securing additional materials, resources and services in anticipation of a major restoration effort. These preparations included the possible opening of all seven distribution and one transmission incident bases. While some outside resources were requested to arrive over the weekend, most of the crews were requested to arrive on Tuesday, September 12, 2017.

Preparations became complicated as the area was beginning to feel the impacts of fuel and bottled water shortages resulting from Hurricane Harvey.

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Transportation of materials and resources, along with the securing of housing for outside resources, were slowed due to evacuation traffic.

By Saturday, September 9, 2017, the track of Hurricane Irma was forecasted to move between downtown Tampa and Plant City Sunday evening, September 10, 2017, with hurricane force winds over the company's entire service territory. Authorization was given to secure additional transmission outside resources and to secure additional materials to handle up to a Category 3 storm.

One incident base was set to be functional by Tuesday morning, September 12, 2017, with five additional incident bases to be opened on Wednesday morning, September 13, 2017. Meals, housing, laundry, transportation, security, fuel and other support services were secured in coordination with the opening of the incident bases. Due to a shortage of available hotel beds, arrangements were made to start setting up to 200 cots at two of the incident bases. Tampa Electric also reached out and activated retired former employees to assist at the service areas and at the incident bases.

Overnight Sunday into Monday, Hurricane Irma passed through Tampa Electric's service area. Over the week of September 11, 2017, additional crews and material such as cots and fuel, continued to arrive.

By Friday, September 15, 2017, Tampa Electric made the decision to shut down one of the incident bases and to discontinue laundry service in the afternoon along with Customer Experience moving to 'blue sky' operations and winding down overnight staffing. Almost 400 outside resources were released to assist another utility in the state. An Estimated Time of Restoration ("ETR") of Saturday for restoration of all customers became likely.

On Saturday, September 16, 2017, additional outside resources were released to assist another utility in the state. Sunday, September 17, 2017, over 2,300 outside resources were released to two other utilities within the state of Florida along with many internal storm teams standing down. Tampa Electric made the decision to close all of the remaining incident bases on Monday, September 18, 2017.

Monday, September 18, 2017, Tampa Electric begin shifting work from service areas back to System Service. All remaining foreign crews were expected to be released by the end of the day.

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The official start of the storm was determined to be 10am, Sunday, September 10, 2017, based on an analysis of when distribution circuit breaker outages began to operate due to feeder bands from the storm. The official stop time was 11:59pm Monday, September 18, 2017, based on when all customers were officially back in service.

In anticipation of Hurricane Irma being a Category 1 storm or greater when impacting Tampa Electric's service area, the Forensic Data Collection process was initiated in accordance with the company's three-year storm hardening plan. Tampa Electric notified its contracted consultants to begin identifying, collecting and preserving selected failed equipment at sample locations across the company's service area.

The majority of Tampa Electric's costs for Hurricane Irma were incurred in September 2017, with the final costs in February 2018.

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- 2.** Storm Costs. Does the Company distinguish between functions and what costs are subject to recovery (i.e. distribution, transmission, etc.)? If so, why wasn't it presented that way? If not, why not?
- A.** Yes, Tampa Electric did distinguish between functions and what costs are subject to recovery by establishing different accounts and charged those recoverable expenses based on generation, transmission, distribution and other.

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3. System. Please provide, by year, for 2015-2017, a summary of distribution miles that identifies the number of miles, the number of poles, the amount of conductor and the number of transformers by district.

A. The table below provides a summary of Tampa Electric's distribution facilities by year, for 2015-2017 that includes the number of poles, miles of overhead and underground conductor by circuit and by wire mile, and the number of transformers by service area (district):

**Central**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 86,011 | 86,688 | 87,024 |
| Circuit Miles | Overhead    | 1,052  | 1,059  | 1,058  |
|               | Underground | 1,116  | 1,136  | 1,152  |
|               | Total       | 2,168  | 2,195  | 2,210  |
| Wire Miles    | Overhead    | 3,289  | 3,289  | 3,315  |
|               | Underground | 1,806  | 1,846  | 1,872  |
|               | Total       | 5,095  | 5,135  | 5,187  |
| Transformers  | Overhead    | 15,617 | 15,674 | 15,649 |
|               | Underground | 13,246 | 13,554 | 13,780 |
|               | Total       | 28,863 | 29,228 | 29,429 |

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**Dade City**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 16,261 | 16,310 | 16,358 |
| Circuit Miles | Overhead    | 365    | 366    | 367    |
|               | Underground | 93     | 94     | 95     |
|               | Total       | 458    | 460    | 462    |
| Wire Miles    | Overhead    | 1,026  | 1,026  | 1,029  |
|               | Underground | 124    | 125    | 126    |
|               | Total       | 1,150  | 1,151  | 1,155  |
| Transformers  | Overhead    | 3,814  | 3,835  | 3,863  |
|               | Underground | 1,010  | 1,035  | 1,036  |
|               | Total       | 4,824  | 4,870  | 4,899  |

**Eastern**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 64,633 | 64,919 | 65,281 |
| Circuit Miles | Overhead    | 873    | 872    | 876    |
|               | Underground | 925    | 939    | 953    |
|               | Total       | 1,798  | 1,811  | 1,829  |
| Wire Miles    | Overhead    | 2,714  | 2,714  | 2,727  |
|               | Underground | 1,317  | 1,344  | 1,365  |
|               | Total       | 4,031  | 4,058  | 4,092  |
| Transformers  | Overhead    | 11,463 | 11,566 | 11,533 |
|               | Underground | 13,190 | 13,371 | 13,584 |
|               | Total       | 24,653 | 24,937 | 25,117 |

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**Plant City**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 60,762 | 61,186 | 61,204 |
| Circuit Miles | Overhead    | 1,204  | 1,203  | 1,207  |
|               | Underground | 437    | 446    | 450    |
|               | Total       | 1,641  | 1,649  | 1,657  |
| Wire Miles    | Overhead    | 3,474  | 3,474  | 3,481  |
|               | Underground | 641    | 653    | 660    |
|               | Total       | 4,115  | 4,127  | 4,141  |
| Transformers  | Overhead    | 13,630 | 13,772 | 13,783 |
|               | Underground | 4,960  | 5,085  | 5,150  |
|               | Total       | 18,590 | 18,857 | 18,933 |

**South Hillsborough**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 44,359 | 44,716 | 45,904 |
| Circuit Miles | Overhead    | 732    | 726    | 727    |
|               | Underground | 745    | 777    | 821    |
|               | Total       | 1,477  | 1,503  | 1,548  |
| Wire Miles    | Overhead    | 2,274  | 2,274  | 2,264  |
|               | Underground | 1,019  | 1,066  | 1,128  |
|               | Total       | 3,293  | 3,340  | 3,392  |
| Transformers  | Overhead    | 6,966  | 6,971  | 7,014  |
|               | Underground | 8,651  | 9,038  | 9,540  |
|               | Total       | 15,617 | 16,009 | 16,554 |

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**Western**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 84,232 | 84,170 | 84,502 |
| Circuit Miles | Overhead    | 1,039  | 1,038  | 1,037  |
|               | Underground | 1,322  | 1,331  | 1,345  |
|               | Total       | 2,361  | 2,369  | 2,382  |
| Wire Miles    | Overhead    | 3,295  | 3,295  | 3,289  |
|               | Underground | 2,067  | 2,067  | 2,091  |
|               | Total       | 5,362  | 5,362  | 5,380  |
| Transformers  | Overhead    | 16,040 | 16,211 | 16,340 |
|               | Underground | 15,743 | 15,946 | 16,090 |
|               | Total       | 31,783 | 32,157 | 32,430 |

**Winter Haven**

| Detail / Year |             | 2015   | 2016   | 2017   |
|---------------|-------------|--------|--------|--------|
| Poles         | Total       | 45,751 | 45,996 | 45,938 |
| Circuit Miles | Overhead    | 906    | 906    | 906    |
|               | Underground | 475    | 480    | 486    |
|               | Total       | 1,381  | 1,386  | 1,392  |
| Wire Miles    | Overhead    | 2,754  | 2,754  | 2,755  |
|               | Underground | 653    | 665    | 672    |
|               | Total       | 3,407  | 3,419  | 3,427  |
| Transformers  | Overhead    | 10,185 | 10,256 | 10,202 |
|               | Underground | 6,043  | 6090   | 6178   |
|               | Total       | 16,288 | 16,346 | 16,380 |

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**4.** System. For each storm, please provide the number of miles, the number of poles, the amount of conductor and the number of transformers that were impacted by each of the respective storms.

**A.** The table below provides the number of miles, the number of poles, the amount of conductor for feeders and laterals and the number of transformers that were impacted by Hurricanes Hermine, Matthew and Irma. TS Erika and TS Colin did not require the replacement of any of these facilities.

|                        |              | Hurricane<br>Hermine | Hurricane<br>Matthew | Hurricane<br>Irma |
|------------------------|--------------|----------------------|----------------------|-------------------|
| Poles                  | Distribution | 22                   | 1                    | 165               |
|                        | Transmission | 0                    | 0                    | 10                |
| Conductor<br>(Feeder)  | Overhead     | 6                    | 0                    | 38,760 ft         |
|                        | Underground  | 2                    | 0                    | 346 ft            |
| Conductor<br>(Lateral) | Overhead     | 76                   | 6                    | 92,399 ft         |
|                        | Underground  | 0                    | 1                    | 0                 |
| Transformers           | Overhead     | 33                   | 0                    | 377               |
|                        | Underground  | 0                    | 0                    | 0                 |

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- 5.** Storm Accounting Policies and Procedures. Please provide a detailed explanation how the storm costs were accounted for (i.e. by cost code or other designation), including the following:
- a. the designation used;
  - b. how the costs were charged to specific functions;
  - c. how materials and supplies were accounted for (i.e. withdrawn from inventory and charged to the storm)
  - d. how vehicle and fuel costs were tracked or assigned;
  - e. how contractors and vendors were instructed to account for capital work
- A.**
- a. Tampa Electric charges all storm-related costs to storm related plant maintenance orders ("PMO"). To keep costs segregated from Energy Delivery, Energy Supply and Other areas funding projects were created, and separate PMOs are opened to track costs for each named storm in which storm related damage is incurred. The PMOs are activated upon accepting foreign crew support through the mutual assistance.
  - b. Each PMO has specific Federal Energy Regulatory Commission ("FERC") mapping to ensure costs are accounted for by the proper function.
  - c. Tampa Electric's Accounting Department will assign an account number for appropriate storm charges for that specific named storm. This specific storm charge number will be communicated to the Warehousing and Stores Department. As incident bases are opened, material is issued to each area based on: the path of the storm, the number of customers out, preliminary damage assessment information and material and supply usage experience from prior storms. Initially, a certain amount of material (the most commonly needed items) are moved to each area and charged out of inventory to cover initial requests as the crews begin to work. The amount of material issued to each incident base is then adjusted based on more detailed damage assessments. Each incident base is staffed with Tampa Electric Stores personnel who receive requests from operations staff and monitor the material usage. As additional material and supplies are needed, these internal team members will issue requests to the company's Central Stores for replenishment. All material is charged out of inventory as it is issued from Central Stores. Once the decision is made to shut down the incident base, all material and supplies are returned/

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restocked and the accounting for these materials and supply will be reversed from the storm back to Tampa Electric's inventory. After the storm, the material and supply transactions are reviewed for accuracy.

- d. Fuel product at Tampa Electric that comes out of underground tanks within the service areas are logged and averaged by the daily rate per gallon. This amount is reclassified based on the daily log sheets for each storm due to fuel being prepaid for upon delivery. Fuel handled by vendors, both mobile and storage tanks, was reconciled post storm during billing.
- e. Tampa Electric has not directed foreign crew resources or vendors to perform capital work. The company does provide guidance during storms to internal line resources and native contractors to identify work performed that involves replacing assets. If internal line resources and native contractors perform capital work, charge numbers are used to recognize this work as capital. If a foreign crew resource or vendor is prospectively asked to perform capital work, this work will be captured during the company's review process which will direct the work to capital charge numbers.

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**6.** Contractors. Please explain what measures are taken to determine that contractor's rates are reasonable and comparable from contractor to contractor.

**A.** At the time of securing additional outside resources, current storm rate sheets are requested for contractors that Tampa Electric has not used in the past. The rates are compared to the rate sheets kept on file to determine if they are reasonable.

Contractors with the highest rates are targeted to be released at the earliest possible point in time commensurate with restoration needs. They are also given a low priority for future requests.

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7. Standby. Does the Company have any information that would identify what costs were incurred for standby of contractors and mutual assistance? If not, explain why the Company does not analyze this cost, how the Company mitigates standby and how the Company can assert that all the cost requested are reasonable

A. Tampa Electric does not specifically identify costs for standby of contractors and mutual assistance crews. It is part of Tampa Electric's restoration plan and culture to restore as many customers as quickly as possible by having work ready for all outside resources as soon as they arrive on property and to release these outside resources as soon as restoration nears completion.

Tampa Electric ensures an adequate supply of work is available for outside resources to minimize standby time by focusing on an aggressive damage assessment process including quick assessments of damaged areas. Night shifts of internal planning teams to review the day's assessments are also scheduled. These overnight teams analyze work completed and new work generated during the day along with ETR data to assign new work packages and to shift resources as needed to where there is the greatest need.

There are times when all crews must wait for switching instructions/clearance from System Service Dispatchers. This is primarily due to the volume of requests that flow through that office during a restoration effort. To minimize that delay, additional Dispatchers are put on shift and areas are broken up so that each dispatcher has a smaller area they are responsible for. In areas that have concentrated damage, control is turned over to a local supervisor who is qualified to issue clearances. This area may cover all circuits out of a substation or a subset of a service area. Crews request and receive their switching/clearances directly from this local Supervisor, minimizing any delay/standby time that may occur.

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- 8.** Recovery. Please refer to paragraph 30 of the Amended Petition. Provide a timeline by month showing over what period of time the Company estimates recovery will be achieved showing the amount estimated to be recovered by month.
- A.** Tampa Electric has provided below a timeline by month showing over what period the Company estimated recovery would be achieved showing the amount estimated to be recovered in each month if the company had not received approval by the Commission to seek recovery of the storm costs and reserve replenishment via tax reform savings.

|                       | <b>Estimated Recovery Amount</b> |
|-----------------------|----------------------------------|
| <b>April-2018</b>     | \$9,265,165                      |
| <b>May-2018</b>       | \$10,421,330                     |
| <b>June-2018</b>      | \$12,636,197                     |
| <b>July-2018</b>      | \$13,286,355                     |
| <b>August-2018</b>    | \$13,192,973                     |
| <b>September-2018</b> | \$13,596,099                     |
| <b>October-2018</b>   | \$11,681,987                     |
| <b>November-2018</b>  | \$9,317,646                      |
| <b>December-2018</b>  | \$9,076,403                      |

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- 9.** Recovery. Please refer to paragraph 35 of the Amended Petition. Provide the expected date the Company will file the documentation and testimony referenced.
- A.** Tampa Electric intends to file the documentation and testimony referenced in the company's amended petition in accordance with Order PSC-2018-1026-PCO-EI first order modifying the order establishing procedure ("OEP") that was set by the Commission for Docket 20170271. The following dates are provided from the OEP:
- Utility's testimony and exhibits May 21, 2018
  - Intervenors' testimony and exhibits August 21, 2018
  - Staff's testimony and exhibits, if any September 7, 2018
  - Rebuttal testimony and exhibits September 17, 2018
  - Prehearing Statements September 24, 2018
  - Discovery deadline October 1, 2018
  - Prehearing Conference October 8, 2018
  - Hearing October 15-19, 2018
  - Briefs November 13, 2018

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**10.** Replacement Costs – Poles. For each storm, please provide a summary of the number of poles replaced, by either Company crews or contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.

**A.** The table below provides a summary of the number of poles Tampa Electric replaced by either crews or contractors, by month for each storm. TS Erika and TS Colin did not require pole replacements. All pole replacements are capitalized with the total cost capitalized for Hurricanes Hermine, Matthew and Irma being \$199,991. Due to the company's main focus following such a major storm event is restoring electric service to customers in a safe and expeditious manner, and the data collection and record keeping required to provide the level of detail for the specific location being sought would slow down the company's efforts to restore service. Moreover, the data collection and record keeping requirements would be compounded by the magnitude of outages resulting from the storm and the size of the foreign resources necessary to achieve a safe and expeditious restoration. Because of these reasons, the specific location of pole failures were not captured and maintained during the storm restoration process.

|       |              | Hurricane Hermine | Hurricane Matthew | Hurricane Irma |
|-------|--------------|-------------------|-------------------|----------------|
| Poles | Distribution | 22                | 1                 | 165            |
|       | Transmission | 0                 | 0                 | 10             |

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**11.** Replacement Costs - Conductors. For each storm, please provide a summary of the number of miles of conductor replaced, by Company crews or contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.

**A.** The table below provides a summary of the number of miles of conductor Tampa Electric replaced by either crews or contractors, by month for each storm. TS Erika, TS Colin and Hurricane Matthew did not require conductor replacements. All conductor replacements are capitalized with the total cost capitalized for Hurricanes Hermine and Irma being \$38,017. Due to the company's main focus following such a major storm event is restoring electric service to customers in a safe and expeditious manner, and the data collection and record keeping required to provide the level of detail for the specific location being sought would slow down the company's efforts to restore service. Moreover, the data collection and record keeping requirements would be compounded by the magnitude of outages resulting from the storm and the size of the foreign resources necessary to achieve a safe and expeditious restoration. Because of these reasons, the specific location of conductor replacements were not captured and maintained during the storm restoration process.

|                       |                  | Hurricane Hermine | Hurricane Irma |
|-----------------------|------------------|-------------------|----------------|
| Month                 |                  | Aug 2016          | Sep 2017       |
| Conductor<br>(Feeder) | Overhead         | 10,284 ft         | 131,159 ft     |
|                       | Capitalized Cost | 1,599             | 36,418         |

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**12.** Replacement Costs - Cross Arms. For each storm, please provide a summary of the number of cross arms replaced, by Company crews or by contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.

**A.** The table below provides a summary of the number of cross arms Tampa Electric replaced by either crews or contractors, by month for each storm. TS Erika, TS Colin and Hurricane Matthew did not require cross arm replacements. No costs associated with cross arm replacements were capitalized. Due to the company's main focus following such a major storm event is restoring electric service to customers in a safe and expeditious manner, and the data collection and record keeping required to provide the level of detail for the specific location being sought would slow down the company's efforts to restore service. Moreover, the data collection and record keeping requirements would be compounded by the magnitude of outages resulting from the storm and the size of the foreign resources necessary to achieve a safe and expeditious restoration. Because of these reasons, the specific location of cross arm replacements were not captured and maintained during the storm restoration process.

|                     | Hurricane<br>Hermine | Hurricane<br>Irma |
|---------------------|----------------------|-------------------|
| Month               | Aug 2016             | Sep 2017          |
| Cross Arms          | 2                    | 990               |
| Capitalized<br>Cost | 0                    | 0                 |

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**13.** Replacement Costs - Cross Transformers. For each storm, please provide a summary of the number of cross transformers replaced, by Company crews or by contractors, by month and location, identifying whether the replacement was capitalized and, if capitalized, the cost capitalized.

**A.** The table below provides a summary of the number of transformers Tampa Electric replaced by either crews or contractors, by month for each storm. TS Erika, TS Colin and Hurricane Matthew did not require transformer replacements. All transformer replacements are capitalized with the total cost capitalized for Hurricanes Hermine and Irma being \$491,003. Due to the company's main focus following such a major storm event is restoring electric service to customers in a safe and expeditious manner, and the data collection and record keeping required to provide the level of detail for the specific location being sought would slow down the company's efforts to restore service. Moreover, the data collection and record keeping requirements would be compounded by the magnitude of outages resulting from the storm and the size of the foreign resources necessary to achieve a safe and expeditious restoration. Because of these reasons, the specific location of transformer replacements were not captured and maintained during the storm restoration process.

|                     | Hurricane<br>Hermine | Hurricane<br>Irma |
|---------------------|----------------------|-------------------|
| Month               | Aug 2016             | Sep 2017          |
| Transformers        | 33                   | 377               |
| Capitalized<br>Cost | 40,763               | 450,240           |

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- 14.** Mobilization/Demobilization. Please refer to Exhibit D of the Amended Petition. For each of the five storms, please provide a summary, by function, of what amount of contractor and what amount of line clearing costs included in their respective totals were for mobilization and demobilization.
- A.** Tampa Electric does not track mobilization and demobilization costs separately for outside contractors used for storm recovery.

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**15.** Capitalized Cost. For each storm, please provide a detailed summary, by function, showing an itemization of plant costs by type (i.e. poles, conductor, cross arms, transformers, etc.) that were capitalized and the associated quantities.

**A.** The tables below provide a detailed summary, by function, showing an itemization of plant costs by type (i.e. poles, conductor, cross arms, transformers, etc.) that were capitalized and the associated quantities.

Note: Tampa Electric did not incur any capital costs associated with TS Erika or TS Colin.

**Hurricane Hermine**

|              |        | <b>Hurricane Hermine</b> |          |              |          |            |          |        |          |
|--------------|--------|--------------------------|----------|--------------|----------|------------|----------|--------|----------|
|              |        | Distribution             |          | Transmission |          | Generation |          | Other  |          |
|              |        | Amount                   | Quantity | Amount       | Quantity | Amount     | Quantity | Amount | Quantity |
| Arrestors    | 1,426  | 48                       | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Cable        | 1,392  | 1,105                    | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Conductors   | 1,599  | 10,284                   | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Cutout       | 2,108  | 38                       | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Misc         | 42,095 | 10,345                   | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Pole         | 8,467  | 34                       | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Switch       | 878    | 4                        | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Terminator   | 268    | 9                        | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Transformers | 40,763 | 33                       | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Wire         | 300    | 3,120                    | 0        | 0            | 0        | 0          | 0        | 0      | 0        |
| Total        | 99,296 | 25,020                   | 0        | 0            | 0        | 0          | 0        | 0      | 0        |

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**Hurricane Matthew**

| <b>Hurricane Matthew</b> |              |          |              |          |            |          |          |          |
|--------------------------|--------------|----------|--------------|----------|------------|----------|----------|----------|
|                          | Distribution |          | Transmission |          | Generation |          | Other    |          |
|                          | Amount       | Quantity | Amount       | Quantity | Amount     | Quantity | Amount   | Quantity |
| Cutout                   | 111          | 2        | 0            | 0        | 0          | 0        | 0        | 0        |
| Pole                     | 140          | 1        | 0            | 0        | 0          | 0        | 0        | 0        |
| <b>Total</b>             | <b>251</b>   | <b>3</b> | <b>0</b>     | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> |

**Hurricane Irma**

| <b>Hurricane Irma</b> |                |                |              |          |                |               |                |               |
|-----------------------|----------------|----------------|--------------|----------|----------------|---------------|----------------|---------------|
|                       | Distribution   |                | Transmission |          | Generation     |               | Other          |               |
|                       | Amount         | Quantity       | Amount       | Quantity | Amount         | Quantity      | Amount         | Quantity      |
| Arrestors             | 44,703         | 1,675          | 0            | 0        | 0              | 0             | 4,924          | 18            |
| Cable                 | 39,934         | 47,710         | 0            | 0        | 0              | 0             | 8,854          | 10,961        |
| Conductors            | 36,418         | 131,159        | 0            | 0        | 0              | 0             | 4,209          | 461           |
| Conduit               | 33             | 60             | 0            | 0        | 0              | 0             | 728            | 223           |
| Cutout                | 79,695         | 1,433          | 0            | 0        | 0              | 0             | 222            | 4             |
| Lighting              | 127,401        | 696            | 0            | 0        | 0              | 0             | 402,907        | 828           |
| Misc                  | 4,528          | 4,334          | 0            | 0        | 0              | 0             | 192,175        | 6,856         |
| Pole                  | 105,737        | 414            | 0            | 0        | 0              | 0             | 17,609         | 97            |
| Relay                 | 0              | 0              | 0            | 0        | 0              | 0             | 48,505         | 9             |
| Switch                | 28,261         | 114            | 0            | 0        | 0              | 0             | 2,122          | 15            |
| Switchgear            | 10,201         | 1              | 0            | 0        | 0              | 0             | 0              | 0             |
| Terminator            | 1,832          | 37             | 0            | 0        | 0              | 0             | 0              | 0             |
| Transformers          | 450,240        | 377            | 0            | 0        | 298,565        | 1             | 3,467          | 5             |
| Wire                  | 0              | 0              | 0            | 0        | 0              | 0             | 2,378          | 4,567         |
| Covers/Lagging        | 0              | 0              | 0            | 0        | 297,011        | 26,880        | 0              | 0             |
| Pump Motor & Related  | 0              | 0              | 0            | 0        | 57,950         | 1             | 0              | 0             |
| Fire Panel            | 0              | 0              | 0            | 0        | 352            | 1             | 0              | 0             |
| Sea Wall              | 0              | 0              | 0            | 0        | 42             | 200           | 0              | 0             |
| <b>Total</b>          | <b>928,980</b> | <b>188,010</b> | <b>0</b>     | <b>0</b> | <b>653,920</b> | <b>27,083</b> | <b>688,100</b> | <b>24,044</b> |

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- 16.** Capital Costs/Non-Incremental Costs/Third Party Billings. Please refer to Exhibit D of the Amended Petition. Please explain why there are no cost adjustments for costs being capitalized, third party billings and/or excluded as non-incremental. If the capitalized costs and non-incremental costs have been excluded, please provide a summary for each storm, showing the total storm costs recorded by type or function and the amount capitalized, billed to third parties, and the amount of non-incremental costs excluded (i.e. the net cost should equal the amounts shown on Exhibit D).
- A.** There are no cost adjustments for costs being capitalized, third party billings or non-incremental O&M because they were not charged to the storm reserve. Costs charged to the reserve by function is summarized in Interrogatory Response No. 2 of this set. Only incremental costs have been charged to the reserve.

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17. Payroll. Please refer to Exhibit D of the Amended Petition. For each of the five storms, please provide an explanation of what related costs, if any, are included in the overtime payroll amounts, identifying each type of related costs and, to the extent available, the respective amount(s) (i.e. benefits, overheads and payroll taxes).

A. Tampa Electric revised Exhibit D of the Amended Petition as expected as the company finalized the total restoration and total recoverable restoration costs. The revised Exhibit D is included on the following page. The table below shows the related costs associated with overtime labor, fringe and payroll tax that are included in the overtime payroll amounts for each of the five storms:

| Overtime Payroll Amounts |                |           |             |                        |
|--------------------------|----------------|-----------|-------------|------------------------|
|                          | Overtime Labor | Fringe    | Payroll Tax | Total Overtime Payroll |
| TS Erika                 | 46,861         | 13,395    | 3,695       | 63,282                 |
| TS Colin                 | 468,231        | 135,787   | 37,459      | 641,477                |
| Hurricane Hermine        | 624,414        | 181,080   | 49,953      | 855,447                |
| Hurricane Matthew        | 149,407        | 43,328    | 11,953      | 204,687                |
| Hurricane Irma           | 5,025,879      | 1,457,505 | 402,070     | 6,885,454              |
| Total                    | 6,314,791      | 1,831,095 | 505,130     | 8,650,347              |

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Tampa Electric Company  
Storm Restoration Costs Related to Named Tropical Storms Colin, Erika, Hermine, Matthew, & Irma  
(\$5000's)

| Line No. | Storm Restoration Costs by Storm |           |             |             |          |  |        | Total (6) | Storm Loss Recovery (7) |
|----------|----------------------------------|-----------|-------------|-------------|----------|--|--------|-----------|-------------------------|
|          | Colin (1)                        | Erika (2) | Hermine (3) | Matthew (4) | Irma (5) |  |        |           |                         |
| 1        |                                  |           |             |             |          |  |        |           | (55,861)                |
| 2        | 641                              | 63        | 855         | 205         | 8,713    |  | 10,478 |           |                         |
| 3        | 128                              | 78        | 333         | 180         | 6,406    |  | 7,124  |           |                         |
| 4        | 1,637                            | 545       | 3,885       | 637         | 68,377   |  | 75,081 |           |                         |
| 5        | 8                                | 0         | 42          | 2           | 815      |  | 866    |           |                         |
| 6        | 0                                | 0         | 4           | 3           | 1,094    |  | 1,102  |           |                         |
| 7        | 0                                | 0         | 33          | 0           | 72       |  | 105    |           |                         |
| 8        | 133                              | 24        | 192         | 12          | 4,530    |  | 4,892  |           |                         |
| 9        | 0                                | 0         | 16          | 0           | 11       |  | 27     |           |                         |
| 10       | 2,548                            | 710       | 5,361       | 1,039       | 90,018   |  | 99,676 |           | 99,676                  |
| 11       |                                  |           |             |             |          |  |        |           | 43,815                  |
| 12       |                                  |           |             |             |          |  |        |           | 99,676                  |
| 13       |                                  |           |             |             |          |  |        |           | 622                     |
| 14       |                                  |           |             |             |          |  |        |           | 100,297                 |
| 15       |                                  |           |             |             |          |  |        |           | 1,00072                 |
| 16       |                                  |           |             |             |          |  |        |           | 100,370                 |
| 17       |                                  |           |             |             |          |  |        |           |                         |

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- 18.** Payroll. Please refer to Exhibit D of the Amended Petition. Please explain why there is no regular payroll included in the storm related costs. If there was regular payroll recorded for each of the storms, provide by storm the amount recorded and show how it was excluded from this request (i.e. as non-incremental or as capitalized).
- A.** There is no regular payroll included in the storm related costs that Tampa Electric is seeking to recover. Base rate recoverable regular payroll and regular payroll-related costs for utility managerial and non-managerial personnel are prohibited from being charged to the storm reserve under the Incremental Cost and Capitalization Approach methodology ("ICCA") per the Florida Administrative Code ("F.A.C.") 25-6.0143 as to which Tampa Electric adheres to.

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- 19.** Payroll. Please refer to Exhibit D of the Amended Petition. Identify the amount of any incentive compensation included in the recorded costs charged to each of the storms and identify how any of the costs were excluded from this request (i.e. as non-incremental or as capitalized).
- A.** Tampa Electric revised Exhibit D of the Amended Petition as expected as the company finalized the total restoration and total recoverable restoration costs. The revised Exhibit D is included on the revised Interrogatory Response No. 17 of this set.

In TS Colin, Tampa Electric paid \$14,662.90 in bonuses, which was charged to the storm reserve.

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- 20.** Payroll. Please provide for each year, 2015-2017, the regular payroll, by O&M account, included in base rates identifying the Docket setting rates and the effective date rates when into effect (i.e. if rates went into effect during the year provide a prorate from each docket for that year).
- A.** Florida Public Service Commission Docket No. 130040-EI; Order No. PSC-13-0443-FOF-EI issued September 30, 2013 provided for a phased-in approach to rate increases: an initial \$57.5 million increase effective November 2013, an additional \$7.5 million increase effective November 2014, and an additional \$5 million effective November 2015. An additional generation base rate adjustment for Polk 2-5 effective January 2017. The table below provides for each year, 2015-2017, the regular payroll, by O&M account, included in base rates.

| <b>Tampa Electric Payroll</b> |                      |                    |                    |                    |
|-------------------------------|----------------------|--------------------|--------------------|--------------------|
| <b>Account</b>                | <b>Description</b>   | <b>2015</b>        | <b>2016</b>        | <b>2017</b>        |
| 6010110                       | Labor Exempt ST      | 41,536,154         | 40,901,157         | 43,195,426         |
| 6010120                       | Labor Exempt OT      | 2,084,805          | 2,196,999          | 2,519,455          |
| 6010130                       | Labor Exempt NonProd | 7,031,120          | 7,570,979          | 8,208,779          |
| 6010210                       | Labor NonExm ST      | 8,212,237          | 7,595,993          | 8,711,397          |
| 6010220                       | Labor NonExm OT      | 1,588,112          | 2,083,166          | 2,146,405          |
| 6010230                       | Labor NonExm NonProd | 1,587,843          | 1,488,446          | 1,714,743          |
| 6010310                       | Labor Union ST       | 40,471,044         | 39,269,465         | 38,252,766         |
| 6010320                       | Labor Union OT       | 8,962,323          | 9,591,357          | 9,513,207          |
| 6010330                       | Labor Union NonProd  | 8,976,302          | 8,266,560          | 7,933,503          |
| 6010400                       | Labor Severance      | 138,192            | 36,041             | 0                  |
| 6010900                       | Labor Commissions    | 201                | 1,008              | 239                |
| 6010910                       | Labor OffCycle Bonus | 535,061            | 642,316            | 822,741            |
| <b>Total</b>                  |                      | <b>121,123,395</b> | <b>119,643,487</b> | <b>123,018,661</b> |

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21. Regular Payroll. For each storm, please provide a summary of the regular payroll by week charged to restoration work order (i.e. this would be just payroll and excludes overheads and/or other related costs).

A. Tampa Electric did not charge any regular payroll to restoration work orders for TS Erika, TS Colin, Hurricane Hermine and Hurricane Matthew. The table below provides a summary of the regular payroll by month charged to restoration work orders that includes just payroll and excludes any overhead costs for Hurricane Irma.

|                       |              | <b>Regular Payroll charged to Restoration (excluding overheads)</b> |                  |
|-----------------------|--------------|---|------------------|
| <b>Hurricane Irma</b> | 2015         |   | 0                |
|                       | 2016         |   | 0                |
|                       | Sep 17       |   | 499,234          |
|                       | Oct 17       |   | 16,461           |
|                       | Nov 17       |   | 0                |
|                       | Dec 17       |   | 818,419          |
|                       | Jan 18       |   | 0                |
|                       | Feb 18       |   | 0                |
|                       | <b>Total</b> |   | <b>1,334,114</b> |

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22. Overtime Payroll. For each storm, please provide a summary of the overtime payroll by week by charged to restoration work order (i.e. this would be just payroll and excludes overheads and/or other related costs).

A. The tables below provide a summary of the overtime payroll by month charged to restoration work order for each storm and excludes any overhead costs.

**TS Erika**

|          |          | Overtime Payroll charged to Restoration (excluding overheads) |  |
|----------|----------|---|--|
| TS Erika | Sep 2015 | Total   |  |
|          | 46,861   | 46,861  |  |

**TS Colin**

|          |          |          |          |         | Overtime Payroll charged to Restoration (excluding overheads) |  |  |  |
|----------|----------|----------|----------|---------|---|--|--|--|
| TS Colin | Jun 2016 | Jul 2016 | Aug 2016 | Total   |   |  |  |  |
|          | 464,092  | 2,195    | 1,945    | 468,232 |   |  |  |  |

**Hurricane Hermine**

|                   |          |          |         | Overtime Payroll charged to Restoration (excluding overheads) |  |  |
|-------------------|----------|----------|---------|---|--|--|
| Hurricane Hermine | Sep 2016 | Oct 2016 | Total   |   |  |  |
|                   | 620,981  | 3,433    | 624,414 |   |  |  |

**Hurricane Matthew**

|                   |          |          |          |         | Overtime Payroll charged to Restoration (excluding overheads) |  |  |  |
|-------------------|----------|----------|----------|---------|---|--|--|--|
| Hurricane Matthew | Oct 2016 | Nov 2016 | Dec 2016 | Total   |   |  |  |  |
|                   | 152,406  | -3,131   | 131      | 149,406 |   |  |  |  |

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Hurricane Irma

|                |  | Overtime Payroll charged to Restoration (excluding overheads) |          |          |          |          |           |
|----------------|--|---|----------|----------|----------|----------|-----------|
| Hurricane Irma |  | Sep 2017  | Oct 2017 | Nov 2017 | Dec 2017 | Feb 2018 | Total     |
|                |  | 4,159,134   | 907,977  | 41,663   | -83,168  | 274      | 5,025,880 |

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- 23.** Third Party Billing. Was the Company billed by any third-party pole owners for pole replacements performed by the third party? If so, please provide a summary of costs by third parties.
- A.** Tampa Electric was not billed by any third-party pole owners for pole replacements performed by the third-party.

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- 24.** Third Party Billing. Did the Company bill any third party for pole replacements performed by the Company? If so, please provide a summary of costs billed the third party.
- A.** Tampa Electric did not bill any third-party for pole replacements performed by the Company.

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- 25.** Third-Party Reimbursement. Please provide an explanation how the costs for third-party reimbursement were tracked and billed and include a summary of poles replaced along with the associated cost.
- A.** Tampa Electric did not request or receive any third-party reimbursements for costs associated within each storm identified in the company's amended petition.

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- 26.** Overhead Costs. For payroll costs, if an overhead rate was used for benefits and other related costs, please provide, by year, the respective overhead rates and an explanation of how the rates were determined.
- A.** Tampa Electric's overhead (fringe) rate used for benefits and other related costs has been the same over the years that the company is seeking storm cost recovery for in this Docket. The overhead rate is 37 percent for all years and is the sum of payroll tax (8 percent) and benefit rate (29 percent). The payroll tax component is the employer portion of payroll taxes paid. The benefit rate percentage is determined by dividing total active employee's benefits costs by the total active employee payroll cost. The overhead (fringe) rate is an accounting estimate that is based on benefits costs and payroll taxes associated with active employees.

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- 27.** Overheads. For the same time period the relevant storm costs were recorded, please provide the respective overhead rates used for recording the normal general operating costs for the Company and explain any difference between the normal rates and the rates used for storm costs.
- A.** Tampa Electric uses the same respective overhead rates, during the same time period the relevant storm cost were recorded, for recording normal general operating costs for the company as outlined in Interrogatory Response No. 26 of this set.

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**28.** Outside Contractors. Are all outside contractors' time to be approved by a TECO representative? If yes, what happens if time reports are not approved? If no, explain why not and how the Company can be confident that the services were performed?

**A.** All outside contractors' time is verified and approved by Tampa Electric representatives. Daily time and material records are kept and compared against the contractors' timesheets and invoices when received.

Tampa Electric representatives assigned to the outside resources monitor the work quality/production, providing feedback to the Incident Base Supervisor. This feedback is then forwarded to the Planning Section of Tampa Electric for use in determining when to release that particular outside resource. When the lack of quality or production is noticeable, immediate feedback is also provided to the contractor's team lead or supervisor.

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**29.** Outside Services - Line Clearing. For each storm, please provide a summary of costs (listing each invoice), by line clearing contractor.

**A.** The tables below provide a summary of costs (listing each invoice), by line clearing contractor for each storm in the company's amended petition.

**TS Erika**

| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b>    |
|--------------|---------------|-----------------------|------------------|
| Erika        | PIKE          | 1981608               | \$6,266          |
| Erika        | PIKE          | 1981609               | \$2,467          |
| Erika        | PIKE          | 1981614               | \$24,352         |
| Erika        | PIKE          | 1981615               | \$24,742         |
| Erika        | PIKE          | 1981618               | \$18,837         |
| Erika        | PIKE          | 1981620               | \$6,848          |
| Erika        | PIKE          | 1981621               | \$1,675          |
| Erika        | PIKE          | M0029880              | \$21,232         |
| Erika        | PIKE          | M0029881              | \$14,577         |
| Erika        | PIKE          | M0029884              | \$10,518         |
| Erika        | PIKE          | M0029886              | \$4,747          |
| Erika        | PIKE          | M0029888              | \$12,483         |
| Erika        | PIKE          | M0029889              | \$15,935         |
| Erika        | PIKE          | M0029890              | \$29,674         |
| Erika        | W.E. GROVES   | 16254                 | \$27,935         |
| Erika        | W.E. GROVES   | 16257                 | \$25,105         |
| Erika        | W.E. GROVES   | 16258                 | \$22,045         |
| Erika        | ASPLUNDH      | 76G09815              | \$1,898          |
| Erika        | ASPLUNDH      | 76G09915              | \$1,601          |
| Erika        | ASPLUNDH      | 76G10015              | \$1,393          |
| Erika        | ASPLUNDH      | 76G10115              | \$1,818          |
| Erika        | ASPLUNDH      | 76G10215              | \$15,710         |
| Erika        | ASPLUNDH      | 76L24315              | \$18,231         |
| Erika        | ASPLUNDH      | 76L24415              | \$21,838         |
| Erika        | ASPLUNDH      | 76L24515              | \$15,159         |
|              |               |                       | <b>\$347,086</b> |

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**TS Colin**

| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b>    |
|--------------|---------------|-----------------------|------------------|
| Colin        | Davey         | 910202191             | \$9,337          |
| Colin        | Davey         | 910202222             | \$9,326          |
| Colin        | Davey         | 910202198             | \$20,049         |
| Colin        | Davey         | 910202204             | \$9,094          |
| Colin        | Davey         | 910206044             | \$889            |
| Colin        | Davey         | 910206066             | \$3,005          |
| Colin        | Davey         | 910206047             | \$2,834          |
| Colin        | Davey         | 910202194             | \$15,958         |
| Colin        | Davey         | 910202189             | \$14,746         |
| Colin        | Davey         | 910206046             | \$2,801          |
| Colin        | Davey         | 910206049             | \$2,490          |
| Colin        | Davey         | 910206045             | \$1,157          |
| Colin        | Davey         | 910206067             | \$2,998          |
| Colin        | Davey         | 910206076             | \$2,843          |
| Colin        | Trees Inc.    | 67R45716              | \$751            |
| Colin        | Trees Inc.    | 67R45816              | \$538            |
| Colin        | Trees Inc.    | 67R45916              | \$1,462          |
| Colin        | Trees Inc.    | 67S20516              | \$3,227          |
| Colin        | Trees Inc.    | 67S20616              | \$6,424          |
| Colin        | Trees Inc.    | 67S20716              | \$7,701          |
| Colin        | Trees Inc.    | 67S20916              | \$7,678          |
| Colin        | Trees Inc.    | 67S20816              | \$2,010          |
|              |               |                       | <b>\$127,317</b> |

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**Hurricane Hermine**

| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b>    |
|--------------|---------------|-----------------------|------------------|
| Hermine      | Davey         | 910512718             | \$31,600         |
| Hermine      | Davey         | 910512717             | \$24,426         |
| Hermine      | Davey         | 910512722             | \$1,866          |
| Hermine      | Davey         | 910512723             | \$4,505          |
| Hermine      | Davey         | 910512724             | \$4,245          |
| Hermine      | Davey         | 910512725             | \$4,812          |
| Hermine      | Davey         | 910512726             | \$4,513          |
| Hermine      | Davey         | 910512719             | \$30,941         |
| Hermine      | Davey         | 910512716             | \$14,871         |
| Hermine      | Davey         | 910512712             | \$14,568         |
| Hermine      | Davey         | 910512721             | \$2,512          |
| Hermine      | Davey         | 910512728             | \$4,471          |
| Hermine      | Davey         | 910512729             | \$3,030          |
| Hermine      | Davey         | 910512704             | \$18,153         |
| Hermine      | Davey         | 910512715             | \$19,985         |
| Hermine      | Davey         | 910512533             | \$26,100         |
| Hermine      | Davey         | 910512521             | \$847            |
| Hermine      | Davey         | 910512530             | \$4,604          |
| Hermine      | Trees Inc.    | 76Q92616              | \$23,615         |
| Hermine      | Trees Inc.    | 76Q92216              | \$18,477         |
| Hermine      | Trees Inc.    | 76Q84216              | \$3,070          |
| Hermine      | Trees Inc.    | 76Q84116              | \$1,807          |
| Hermine      | Trees Inc.    | 76Q84316              | \$3,333          |
| Hermine      | Trees Inc.    | 76Q92316              | \$25,685         |
| Hermine      | Trees Inc.    | 76Q92416              | \$13,955         |
| Hermine      | Trees Inc.    | 76Q92516              | \$21,121         |
| Hermine      | Trees Inc.    | 77B41116              | \$2,038          |
| Hermine      | Trees Inc.    | 77B41316              | \$3,419          |
|              |               |                       | <b>\$332,570</b> |

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**Hurricane Matthew**

| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b>    |
|--------------|---------------|-----------------------|------------------|
| Matthew      | Davey         | 910628175             | \$1,964          |
| Matthew      | Davey         | 910628170             | \$2,741          |
| Matthew      | Davey         | 910628158             | \$947            |
| Matthew      | Davey         | 910628119             | \$8,703          |
| Matthew      | Davey         | 910628156             | \$19,442         |
| Matthew      | Davey         | 910628136             | \$9,152          |
| Matthew      | Davey         | 910628123             | \$16,909         |
| Matthew      | Davey         | 910628157             | \$875            |
| Matthew      | Davey         | 910628167             | \$2,144          |
| Matthew      | Davey         | 910628159             | \$2,001          |
| Matthew      | Davey         | 910628172             | \$2,115          |
| Matthew      | Davey         | 910628163             | \$2,115          |
| Matthew      | Davey         | 910628120             | \$13,111         |
| Matthew      | Davey         | 910628149             | \$10,616         |
| Matthew      | Davey         | 910628203             | \$10,622         |
| Matthew      | Davey         | 910628155             | \$10,456         |
| Matthew      | Trees Inc.    | 79Y27516              | \$1,111          |
| Matthew      | Trees Inc.    | 79Y27616              | \$1,301          |
| Matthew      | Trees Inc.    | 79Y27716              | \$1,620          |
| Matthew      | Trees Inc.    | 80B02716              | \$14,674         |
| Matthew      | Trees Inc.    | 80B02616              | \$9,356          |
| Matthew      | Trees Inc.    | 80B20816              | \$8,289          |
| Matthew      | Trees Inc.    | 80B02916              | \$12,332         |
| Matthew      | Trees Inc.    | 80B03016              | \$14,098         |
| Matthew      | Trees Inc.    | 81I58216              | \$3,066          |
|              |               |                       | <b>\$179,760</b> |

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**Hurricane Irma**

| <b>Storm</b> | <b>Vendor</b>          | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|------------------------|-----------------------|---------------|
| Irma         | LUCAS                  | L201709594            | \$31,162      |
| Irma         | LUCAS                  | L201710157            | \$214,509     |
| Irma         | LUCAS                  | L201710280            | \$33,155      |
| Irma         | ABC                    | 341778                | \$226,792     |
| Irma         | ABC                    | 341454                | \$235,808     |
| Irma         | ABC                    | 341468                | \$332,405     |
| Irma         | ABC                    | 341480                | \$267,837     |
| Irma         | ABC                    | 341717                | \$18,347      |
| Irma         | ABC                    | 341824                | \$51,735      |
| Irma         | ABC                    | 341827                | \$62,668      |
| Irma         | ABC                    | 341831                | \$69,986      |
| Irma         | ABC                    | 341872                | \$40,039      |
| Irma         | ABC                    | 341832                | \$3,974       |
| Irma         | GLOBAL ENERGY SERVICES | TEVEG01               | \$115,723     |
| Irma         | GLOBAL ENERGY SERVICES | TEVEG02               | \$9,184       |
| Irma         | ARBOR RESOURCES        | 4752                  | \$46,002      |
| Irma         | ARBOR RESOURCES        | 4753                  | \$37,887      |
| Irma         | LEWIS                  | 92178A                | \$1,200       |
| Irma         | LEWIS                  | 92178                 | \$4,879       |
| Irma         | LEWIS                  | 92946                 | \$101,648     |
| Irma         | TOWNSEND               | 001-101061            | \$7,164       |
| Irma         | TOWNSEND               | 001-101062            | \$15,156      |
| Irma         | TOWNSEND               | 001-101063            | \$15,825      |
| Irma         | TOWNSEND               | 001-101064            | \$15,156      |
| Irma         | TOWNSEND               | 001-101065            | \$16,264      |
| Irma         | TOWNSEND               | 001-101067            | \$7,218       |
| Irma         | TOWNSEND               | 001-101066            | \$15,825      |
| Irma         | TOWNSEND               | 001-101073            | \$11,249      |
| Irma         | TOWNSEND               | 001-101072            | \$21,526      |
| Irma         | TOWNSEND               | 001-101071            | \$20,829      |
| Irma         | TOWNSEND               | 001-101070            | \$2,829       |
| Irma         | TOWNSEND               | 001-101069            | \$10,733      |

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|--------------|---------------|-----------------------|---------------|
| Irma         | TOWNSEND      | 001-101068            | \$6,714       |
| Irma         | TOWNSEND      | 002-101120            | \$1,189       |
| Irma         | TOWNSEND      | 002-101119            | \$2,484       |
| Irma         | TOWNSEND      | 002-101118            | \$2,484       |
| Irma         | TOWNSEND      | 002-101117            | \$1,136       |
| Irma         | TOWNSEND      | 002-101116            | \$717         |
| Irma         | TOWNSEND      | 002-101115            | \$953         |
| Irma         | TOWNSEND      | 002-101092            | \$2,191       |
| Irma         | TOWNSEND      | 002-101091            | \$2,258       |
| Irma         | TOWNSEND      | 002-101090            | \$2,147       |
| Irma         | TOWNSEND      | 002-101089            | \$2,191       |
| Irma         | TOWNSEND      | 002-101088            | \$2,147       |
| Irma         | TOWNSEND      | 002-101114            | \$966         |
| Irma         | NELSON        | 774421                | \$24,399      |
| Irma         | NELSON        | 774419                | \$12,050      |
| Irma         | NELSON        | 774422                | \$1,600       |
| Irma         | NELSON        | 774420                | \$20,745      |
| Irma         | NELSON        | 774418                | \$11,191      |
| Irma         | NELSON        | 774435                | \$151,379     |
| Irma         | NELSON        | 774370                | \$118,441     |
| Irma         | NELSON        | 774433                | \$75,601      |
| Irma         | NELSON        | 774423                | \$98,521      |
| Irma         | NELSON        | 774424                | \$107,229     |
| Irma         | NELSON        | 774427                | \$12,555      |
| Irma         | NELSON        | 774425                | \$109,780     |
| Irma         | NELSON        | 774426                | \$129,987     |
| Irma         | NELSON        | 774432                | \$1,867       |
| Irma         | NELSON        | 774430                | \$19,457      |
| Irma         | NELSON        | 774431                | \$23,081      |
| Irma         | NELSON        | 774429                | \$17,212      |
| Irma         | NELSON        | 774428                | \$16,994      |
| Irma         | NELSON        | 774434                | \$16,841      |
| Irma         | NELSON        | 774371                | \$27,566      |
| Irma         | NELSON        | 774436                | \$29,869      |

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|--------------|---------------|-----------------------|---------------|
| Irma         | WRIGHT        | 111744790             | \$8,136       |
| Irma         | WRIGHT        | 111744791             | \$15,791      |
| Irma         | WRIGHT        | 111744792             | \$16,126      |
| Irma         | WRIGHT        | 111744793             | \$16,428      |
| Irma         | WRIGHT        | 111744794             | \$15,791      |
| Irma         | WRIGHT        | 111744795             | \$12,147      |
| Irma         | WRIGHT        | 111744796             | \$15,791      |
| Irma         | WRIGHT        | 111744797             | \$16,220      |
| Irma         | WRIGHT        | 111746682             | \$9,865       |
| Irma         | WRIGHT        | 101746682             | \$9,865       |
| Irma         | WRIGHT        | 101746683             | \$14,201      |
| Irma         | WRIGHT        | 101746685             | \$19,176      |
| Irma         | WRIGHT        | 101746686             | \$14,201      |
| Irma         | WRIGHT        | 101746684             | \$14,201      |
| Irma         | WRIGHT        | 101746687             | \$19,039      |
| Irma         | WRIGHT        | 101749084             | \$1,454       |
| Irma         | WRIGHT        | 101749085             | \$2,968       |
| Irma         | WRIGHT        | 101749086             | \$2,951       |
| Irma         | WRIGHT        | 101749087             | \$2,951       |
| Irma         | WRIGHT        | 101749088             | \$2,951       |
| Irma         | WRIGHT        | 101749089             | \$2,951       |
| Irma         | WRIGHT        | 101747011             | \$1,082       |
| Irma         | WRIGHT        | 101747012             | \$2,498       |
| Irma         | WRIGHT        | 101747013             | \$2,779       |
| Irma         | WRIGHT        | 101747014             | \$2,830       |
| Irma         | WRIGHT        | 101747015             | \$2,668       |
| Irma         | WRIGHT        | 101747016             | \$1,943       |
| Irma         | WRIGHT        | 101747017             | \$2,668       |
| Irma         | WRIGHT        | 101747018             | \$2,592       |
| Irma         | WRIGHT        | 101748905             | \$1,152       |
| Irma         | WRIGHT        | 101748906             | \$2,602       |
| Irma         | WRIGHT        | 101748907             | \$2,600       |
| Irma         | WRIGHT        | 101748908             | \$2,602       |
| Irma         | WRIGHT        | 101748909             | \$2,602       |

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| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|---------------|-----------------------|---------------|
| Irma         | WRIGHT        | 101748910             | \$2,582       |
| Irma         | WRIGHT        | 101746700             | \$27,167      |
| Irma         | WRIGHT        | 101746701             | \$24,068      |
| Irma         | WRIGHT        | 101746703             | \$22,634      |
| Irma         | WRIGHT        | 101746702             | \$24,156      |
| Irma         | WRIGHT        | 101746704             | \$24,068      |
| Irma         | WRIGHT        | 101746705             | \$22,634      |
| Irma         | WRIGHT        | 101746727             | \$12,812      |
| Irma         | WRIGHT        | 101746728             | \$20,663      |
| Irma         | WRIGHT        | 101746729             | \$20,751      |
| Irma         | WRIGHT        | 101746730             | \$20,663      |
| Irma         | WRIGHT        | 101746731             | \$20,751      |
| Irma         | WRIGHT        | 101746732             | \$2,979       |
| Irma         | WRIGHT        | 101746707             | \$7,369       |
| Irma         | WRIGHT        | 101746712             | \$14,492      |
| Irma         | WRIGHT        | 101746708             | \$14,438      |
| Irma         | WRIGHT        | 101746711             | \$14,492      |
| Irma         | WRIGHT        | 101746709             | \$14,492      |
| Irma         | WRIGHT        | 101746710             | \$14,385      |
| Irma         | WRIGHT        | 101746688             | \$13,584      |
| Irma         | WRIGHT        | 101746689             | \$22,634      |
| Irma         | WRIGHT        | 101746690             | \$22,546      |
| Irma         | WRIGHT        | 101746691             | \$22,546      |
| Irma         | WRIGHT        | 101746692             | \$22,546      |
| Irma         | WRIGHT        | 101746693             | \$22,546      |
| Irma         | WRIGHT        | 101746694             | \$13,569      |
| Irma         | WRIGHT        | 101746695             | \$22,516      |
| Irma         | WRIGHT        | 101746696             | \$24,038      |
| Irma         | WRIGHT        | 101746697             | \$24,038      |
| Irma         | WRIGHT        | 101746698             | \$24,038      |
| Irma         | WRIGHT        | 101746699             | \$22,516      |
| Irma         | WRIGHT        | 101749096             | \$1,469       |
| Irma         | WRIGHT        | 101749097             | \$2,981       |
| Irma         | WRIGHT        | 101749098             | \$3,205       |

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| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|---------------|-----------------------|---------------|
| Irma         | WRIGHT        | 101749099             | \$3,205       |
| Irma         | WRIGHT        | 101749100             | \$3,205       |
| Irma         | WRIGHT        | 101749101             | \$2,981       |
| Irma         | WRIGHT        | 101746706             | \$10,326      |
| Irma         | WRIGHT        | 101749103             | \$1,511       |
| Irma         | WRIGHT        | 101749066             | \$1,252       |
| Irma         | WRIGHT        | 101749067             | \$2,368       |
| Irma         | WRIGHT        | 101749068             | \$3,419       |
| Irma         | WRIGHT        | 101749069             | \$2,368       |
| Irma         | WRIGHT        | 101749070             | \$2,368       |
| Irma         | WRIGHT        | 101749071             | \$3,360       |
| Irma         | WRIGHT        | 101749052             | \$2,877       |
| Irma         | WRIGHT        | 101749053             | \$1,145       |
| Irma         | WRIGHT        | 101749054             | \$3,162       |
| Irma         | WRIGHT        | 101749055             | \$2,938       |
| Irma         | WRIGHT        | 101749056             | \$3,145       |
| Irma         | WRIGHT        | 101749057             | \$2,938       |
| Irma         | WRIGHT        | 101749951             | \$1,469       |
| Irma         | WRIGHT        | 101749952             | \$2,981       |
| Irma         | WRIGHT        | 101749953             | \$2,998       |
| Irma         | WRIGHT        | 101749954             | \$2,981       |
| Irma         | WRIGHT        | 101749955             | \$2,998       |
| Irma         | WRIGHT        | 101749956             | \$4,411       |
| Irma         | TREES INC.    | 78X22817              | \$19,943      |
| Irma         | TREES INC.    | 78X22717              | \$20,696      |
| Irma         | TREES INC.    | 78X22317              | \$20,696      |
| Irma         | TREES INC.    | 78X22117              | \$20,696      |
| Irma         | TREES INC.    | 78X21917              | \$25,610      |
| Irma         | TREES INC.    | 78X21817              | \$25,320      |
| Irma         | TREES INC.    | 78X21117              | \$20,696      |
| Irma         | TREES INC.    | 78X20617              | \$16,271      |
| Irma         | TREES INC.    | 78X21517              | \$16,287      |
| Irma         | TREES INC.    | 78X20717              | \$14,073      |
| Irma         | TREES INC.    | 78X20517              | \$15,534      |

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| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|---------------|-----------------------|---------------|
| Irma         | TREES INC.    | 78X20417              | \$15,534      |
| Irma         | TREES INC.    | 78X20917              | \$15,534      |
| Irma         | TREES INC.    | 78X22617              | \$10,085      |
| Irma         | TREES INC.    | 78X21317              | \$10,085      |
| Irma         | TREES INC.    | 78X20317              | \$10,085      |
| Irma         | TREES INC.    | 78X22017              | \$5,575       |
| Irma         | TREES INC.    | 78X23017              | \$6,945       |
| Irma         | TREES INC.    | 78X22917              | \$5,506       |
| Irma         | TREES INC.    | 78X20817              | \$4,670       |
| Irma         | TREES INC.    | 78X23117              | \$6,945       |
| Irma         | TREES INC.    | 78X23217              | \$6,945       |
| Irma         | TREES INC.    | 78X23317              | \$5,211       |
| Irma         | TREES INC.    | 78X21017              | \$6,126       |
| Irma         | TREES INC.    | 78X22217              | \$7,180       |
| Irma         | TREES INC.    | 78X23417              | \$9,260       |
| Irma         | TREES INC.    | 78X21217              | \$9,292       |
| Irma         | TREES INC.    | 78X21417              | \$9,292       |
| Irma         | TREES INC.    | 78X21617              | \$7,831       |
| Irma         | TREES INC.    | 78X21717              | \$7,831       |
| Irma         | TREES INC.    | 78X22417              | \$9,535       |
| Irma         | TREES INC.    | 78X22517              | \$9,240       |
| Irma         | TREES INC.    | 77P67817              | \$39,504      |
| Irma         | TREES INC.    | 77P67917              | \$48,250      |
| Irma         | TREES INC.    | 77P67717              | \$89,822      |
| Irma         | TREES INC.    | 77P67617              | \$26,954      |
| Irma         | TREES INC.    | 77I12517              | \$8,797       |
| Irma         | TREES INC.    | 78I12617              | \$6,592       |
| Irma         | TREES INC.    | 78IF82517             | \$665         |
| Irma         | TREES INC.    | 78F82717              | \$2,038       |
| Irma         | TREES INC.    | 78I12417              | \$9,815       |
| Irma         | TREES INC.    | 78I12317              | \$835         |
| Irma         | TREES INC.    | 78F82617              | \$1,155       |
| Irma         | TREES INC.    | 78I12817              | \$4,835       |
| Irma         | TREES INC.    | 81U36817              | \$12,746      |

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| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|---------------|-----------------------|---------------|
| Irma         | ASPLUNDH      | 79K15017              | \$4,131       |
| Irma         | ASPLUNDH      | 78S55817              | \$7,033       |
| Irma         | ASPLUNDH      | 78T63817              | \$1,457       |
| Irma         | ASPLUNDH      | 78T63917              | \$8,643       |
| Irma         | ASPLUNDH      | 78T64017              | \$44,162      |
| Irma         | ASPLUNDH      | 78T64117              | \$1,476       |
| Irma         | ASPLUNDH      | 78T64217              | \$11,593      |
| Irma         | ASPLUNDH      | 78T64317              | \$2,918       |
| Irma         | ASPLUNDH      | 78T64417              | \$13,899      |
| Irma         | ASPLUNDH      | 78T64517              | \$3,264       |
| Irma         | ASPLUNDH      | 78T64617              | \$11,114      |
| Irma         | ASPLUNDH      | 78T64717              | \$11,976      |
| Irma         | ASPLUNDH      | 78T64817              | \$125,682     |
| Irma         | ASPLUNDH      | 78T64917              | \$26,703      |
| Irma         | ASPLUNDH      | 78T65017              | \$12,366      |
| Irma         | ASPLUNDH      | 78T65117              | \$113,104     |
| Irma         | ASPLUNDH      | 78T65217              | \$12,731      |
| Irma         | ASPLUNDH      | 78T65317              | \$5,204       |
| Irma         | ASPLUNDH      | 79G98517              | \$1,788       |
| Irma         | ASPLUNDH      | 79G98617              | \$1,097       |
| Irma         | ASPLUNDH      | 79G98717              | \$11,033      |
| Irma         | ASPLUNDH      | 79G98817              | \$1,835       |
| Irma         | ASPLUNDH      | 79G98917              | \$8,466       |
| Irma         | ASPLUNDH      | 79K12617              | \$1,216       |
| Irma         | ASPLUNDH      | 79K12717              | \$13,313      |
| Irma         | ASPLUNDH      | 79K12817              | \$61,510      |
| Irma         | ASPLUNDH      | 79K12917              | \$5,080       |
| Irma         | ASPLUNDH      | 79K13017              | \$59,480      |
| Irma         | ASPLUNDH      | 79K12517              | \$1,116       |
| Irma         | ASPLUNDH      | 79K13117              | \$1,120       |
| Irma         | ASPLUNDH      | 79K13217              | \$57,177      |
| Irma         | ASPLUNDH      | 79K13317              | \$12,269      |
| Irma         | ASPLUNDH      | 79K13417              | \$11,789      |
| Irma         | ASPLUNDH      | 79K13517              | \$7,033       |

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| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|---------------|-----------------------|---------------|
| Irma         | ASPLUNDH      | 79K13617              | \$12,515      |
| Irma         | ASPLUNDH      | 79K13717              | \$1,111       |
| Irma         | ASPLUNDH      | 79K13817              | \$5,277       |
| Irma         | ASPLUNDH      | 79K13917              | \$1,107       |
| Irma         | ASPLUNDH      | 79K14017              | \$5,123       |
| Irma         | ASPLUNDH      | 79K14117              | \$5,310       |
| Irma         | ASPLUNDH      | 79K14217              | \$4,978       |
| Irma         | ASPLUNDH      | 79K14317              | \$54,414      |
| Irma         | ASPLUNDH      | 79K14417              | \$1,107       |
| Irma         | ASPLUNDH      | 79K14517              | \$445         |
| Irma         | ASPLUNDH      | 79K14617              | \$58,351      |
| Irma         | ASPLUNDH      | 79K14617              | \$58,351      |
| Irma         | ASPLUNDH      | 79K14717              | \$3,832       |
| Irma         | ASPLUNDH      | 79K14817              | \$5,226       |
| Irma         | ASPLUNDH      | 79K14917              | \$54,489      |
| Irma         | ASPLUNDH      | 79K15117              | \$520         |
| Irma         | ASPLUNDH      | 79K15217              | \$61,259      |
| Irma         | ASPLUNDH      | 79K15317              | \$3,869       |
| Irma         | ASPLUNDH      | 79K15417              | \$43,496      |
| Irma         | ASPLUNDH      | 79K15517              | \$445         |
| Irma         | ASPLUNDH      | 79K15617              | \$4,965       |
| Irma         | ASPLUNDH      | 79K15717              | \$482         |
| Irma         | ASPLUNDH      | 79N78917              | \$39,451      |
| Irma         | ASPLUNDH      | 79N79017              | \$74,607      |
| Irma         | ASPLUNDH      | 79N79117              | \$4,256       |
| Irma         | ASPLUNDH      | 79N79217              | \$38,885      |
| Irma         | ASPLUNDH      | 79N79317              | \$4,079       |
| Irma         | ASPLUNDH      | 79N79417              | \$8,604       |
| Irma         | DAVEY         | 911814038             | \$30,401      |
| Irma         | DAVEY         | 911814039             | \$2,867       |
| Irma         | DAVEY         | 911745637             | \$69,608      |
| Irma         | DAVEY         | 911814037             | \$85,447      |
| Irma         | DAVEY         | 911814040             | \$195         |
| Irma         | DAVEY         | 911814044             | \$1,170       |

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| Storm | Vendor | Invoice Number | Amount             |
|-------|--------|----------------|--------------------|
| Irma  | DAVEY  | 911814043      | \$1,170            |
| Irma  | DAVEY  | 911814041      | \$1,170            |
| Irma  | DAVEY  | 911814042      | \$1,170            |
| Irma  | DAVEY  | 911814046      | \$1,560            |
| Irma  | DAVEY  | 911719177      | \$768              |
| Irma  | DAVEY  | 911745652      | \$55,201           |
| Irma  | DAVEY  | 911745638      | \$35,187           |
| Irma  | DAVEY  | 911745650      | \$36,735           |
| Irma  | DAVEY  | 911745654      | \$53,785           |
| Irma  | DAVEY  | 911719172      | \$2,126            |
| Irma  | DAVEY  | SEPT. FUEL     | \$20,651           |
| Irma  | DAVEY  | 911773011      | \$16,002           |
| Irma  | DAVEY  | 911773009      | \$14,087           |
| Irma  | DAVEY  | 911773004      | \$6,036            |
| Irma  | DAVEY  | 911773005      | \$5,614            |
| Irma  | DAVEY  | 911773006      | \$6,992            |
| Irma  | DAVEY  | 911773007      | \$4,531            |
| Irma  | DAVEY  | 911773015      | \$4,490            |
| Irma  | DAVEY  | 911773010      | \$12,839           |
| Irma  | DAVEY  | 911773002      | \$556              |
| Irma  | DAVEY  | 911773008      | \$864              |
| Irma  | DAVEY  | 911773003      | \$2,608            |
| Irma  | DAVEY  | 911773013      | \$12,655           |
| Irma  | DAVEY  | 911719172      | \$2,126            |
|       |        |                | <b>\$6,407,734</b> |

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**30.** Outside Services - Line Clearing. For each storm, please provide a summary showing the date and number of crews mobilized and the date and number of crews demobilized.

**A.** Due to the variability, Tampa Electric does not specifically track the number of contract crews. Tampa Electric tracks the number of contract personnel being used to allocate resources and ensure proper billing. In addition, Tampa Electric does not retain separate historical contract personnel records post-storm. An estimate of vegetation management (“VM”) contract personnel and mobilization /demobilization dates was derived using invoice and timesheet detail. The table below provides a summary of the number of VM contractors and the date these resources were mobilized and demobilized.

|                          | TS Erika         | TS Colin        | Hurricane<br>Hermine | Hurricane<br>Matthew | Hurricane Irma   |
|--------------------------|------------------|-----------------|----------------------|----------------------|------------------|
| Number of VM Contractors | <b>135</b>       | <b>191</b>      | <b>221</b>           | <b>223</b>           | <b>763</b>       |
| Date Mobilized           | <b>8/28/2015</b> | <b>6/6/2016</b> | <b>8/31/2016</b>     | <b>10/6/2016</b>     | <b>9/7/2017</b>  |
| Date Demobilized         | <b>8/30/2015</b> | <b>6/7/2016</b> | <b>9/7/2016</b>      | <b>10/8/2016</b>     | <b>9/22/2017</b> |

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**31.** Outside Services - Contractors. Please explain in detail what services were performed by function by outside contractors (i.e. pole & wire work, plant repairs, etc.).

**A.** Outside line resources utilized by Tampa Electric will safely perform any and all repairs required to restore service to Tampa Electric's customers. This includes pole and wire work, replacing poles, replacing distribution transformers, switches and any other associated equipment, both overhead and underground. Outside line resources are queried as to their qualifications at the time of securing them. If their skills/abilities/qualifications are limited in any way, a determination will be made at that time if they will be retained or passed over.

Outside line clearance resources utilized by Tampa Electric will safely perform removal of any vegetation required to clear Tampa Electric's facilities. This includes not only vegetation removal required to provide safe clearance for Tampa Electric's facilities but also to provide safe access for restoration personnel.

Outside damage assessors utilized by Tampa Electric must have knowledge of electrical utility facilities, material and design in order to identify damaged Tampa Electric facilities in the field. Outside damage assessors must be able to properly record and report all damage observed to Tampa Electric by either electronic or paper documentation. Assessors must also immediately report any "wire down" situations to Tampa Electric and stand by to maintain public safety until qualified personnel arrive to clear up the situation.

The Forensic Data Collection consultant is utilized when the Tampa Electric service area is impacted by a Category 1 or greater tropical storm (hurricane). The consultant is required to determine the root cause of storm damage on the company's service area after a major storm. The consultant must implement a forensic measurement protocol and provide a report in a standardized format. In addition, Tampa Electric contracts with a separate field contractor to collect data in the field for use by the consultant to prepare their report.

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- 32.** Outside Services - Contractors. Please identify whether outside contractors set poles and provide the number of poles set by contractors for each storm identified in the Amended Petition.
- A.** Tampa Electric does not track the number of poles set by outside resources during storm restoration efforts. Pole counts are determined by the number of poles issued by Tampa Electric's Warehouse to the restoration effort.

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**33.** Outside Services - Contractors. For each storm, please provide a summary of costs (listing each invoice) by function, by contractor.

**A.** The tables below provide a summary of costs (listing each invoice), by line crew contractor for each storm in the company's amended petition. Note: At the time of this filing, Tampa Electric is still waiting on line crew contractor invoices from the following utilities: CenterPoint Energy, Commonwealth Edison and Orange & Rockland.

**TS Erika**

| <b>Storm</b> | <b>Vendor</b>       | <b>Invoice Number</b> | <b>Amount</b>    |
|--------------|---------------------|-----------------------|------------------|
| Erika        | Groves Construction | 16254                 | \$27,934.88      |
| Erika        | Groves Construction | 16257                 | \$25,104.61      |
| Erika        | Groves Construction | 16258                 | \$22,045.41      |
| Erika        | Pike                | 1981608               | \$6,265.80       |
| Erika        | Pike                | 1981609               | \$2,466.84       |
| Erika        | Pike                | 1981614               | \$24,352.48      |
| Erika        | Pike                | 1981615               | \$24,741.70      |
| Erika        | Pike                | 1981618               | \$18,836.70      |
| Erika        | Pike                | 1981620               | \$6,847.65       |
| Erika        | Pike                | 1981621               | \$1,675.36       |
| Erika        | Pike                | M0029880              | \$21,232.04      |
| Erika        | Pike                | M0029881              | \$14,576.80      |
| Erika        | Pike                | M0029884              | \$10,518.12      |
| Erika        | Pike                | M0029886              | \$4,747.04       |
| Erika        | Pike                | M0029888              | \$12,483.00      |
| Erika        | Pike                | M0029889              | \$15,935.40      |
| Erika        | Pike                | M0029890              | \$29,673.85      |
|              |                     |                       | <b>\$269,438</b> |

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**TS Colin**

| <b>Storm</b> | <b>Vendor</b>          | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|------------------------|-----------------------|---------------|
| Colin        | No external Line Crews |                       |               |

**Hurricane Hermine**

| <b>Storm</b> | <b>Vendor</b> | <b>Invoice Number</b> | <b>Amount</b>       |
|--------------|---------------|-----------------------|---------------------|
| Hermine      | JF Electric   | 135187                | \$156,553.52        |
| Hermine      | IB-ABEL       | 118349                | \$146,236.49        |
| Hermine      | MEADE         | 445096                | \$187,388.66        |
| Hermine      | Miller Bros   | JH26-6809-01          | \$148,681.56        |
|              |               |                       | <b>\$638,860.23</b> |

**Hurricane Matthew**

| <b>Storm</b> | <b>Vendor</b>          | <b>Invoice Number</b> | <b>Amount</b> |
|--------------|------------------------|-----------------------|---------------|
| Matthew      | No external Line Crews |                       |               |

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**Hurricane Irma**

| <b>Storm</b> | <b>Vendor</b>                       | <b>Invoice Number</b> | <b>Amount</b>  |
|--------------|-------------------------------------|-----------------------|----------------|
| Irma         | 5 Star                              | 17-450                | \$910,960.00   |
| Irma         | 5 Star                              | 17-455                | \$28,864.28    |
| Irma         | AEP                                 |                       |                |
| Irma         | AEP Kentucky Power Co               |                       |                |
| Irma         | AEP Appalachian Power Company       | 250-211005864         | \$3,947,080.65 |
| Irma         | AEP Michigan Power                  |                       |                |
| Irma         | AEP Ohio Power Company              |                       |                |
| Irma         | AEP Public Service of Oklahoma      |                       |                |
| Irma         | Asplundh (Utility Lines)            | TECO-1                | \$32,732.54    |
| Irma         | BBC Electrical                      | 5457                  | \$493,602.80   |
| Irma         | BBC Electrical                      | 5458                  | \$630,480.37   |
| Irma         | BBC Electrical                      | 5459                  | \$23,921.97    |
| Irma         | Chain Electric                      | 75952                 | \$329,115.15   |
| Irma         | DHEC - AEP Appalachian Power-367437 | 367437                | \$333,624.92   |
| Irma         | DHEC - AEP Appalachian Power-367250 | 367250                | \$353,595.09   |
| Irma         | DHEC - AEP Appalachian Power-367249 | 367249                | \$330,632.25   |
| Irma         | DHEC - AEP Kentucky Power-366226    | 366226                | \$117,476.20   |
| Irma         | DHEC - Dominion-366227              | 366227                | \$577,180.20   |
| Irma         | DHEC - KY CO-Ops-367515             | 367515                | \$134,614.90   |
| Irma         | DHEC - KY CO-Ops-365207             | 365207                | \$560,159.59   |
| Irma         | DHEC - AEP PSO-365425               | 365425                | \$258,984.54   |
| Irma         | DHEC - AEP PSO-366843               | 366843                | \$142,669.56   |
| Irma         | DHEC - AEP PSO-367579               | 367579                | \$29,713.71    |
| Irma         | DHEC - AEP PSO-367580               | 367580                | \$128,946.72   |
| Irma         | Diversifed Services                 | 142394                | \$81,503.18    |
| Irma         | Emera (EUS)                         | W20816                | \$2,460,260.42 |
| Irma         | Emera Maine                         | 80457                 | \$653,136.70   |
| Irma         | Emera Nova Scotia                   | 2080251-8             | \$365,556.61   |
| Irma         | Empire Electric (D-Line)            | EDE004648             | \$436,733.98   |
| Irma         | Entegrus                            | I000004212            | \$179,078.67   |
| Irma         | Ertel Construction Inc              | 83206                 | \$355,639.24   |
| Irma         | First Energy                        | 90551795              | \$624,121.58   |
| Irma         | Fishel                              | 51339                 | \$1,495,280.53 |
| Irma         | Fishel                              | 55924                 | \$106,335.54   |

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| <b>Storm</b> | <b>Vendor</b>                       | <b>Invoice Number</b> | <b>Amount</b>  |
|--------------|-------------------------------------|-----------------------|----------------|
| Irma         | Gulf Power                          | 18-003                | \$214,819.31   |
| Irma         | Hawkeye Elecnor                     | 10724                 | \$785,470.91   |
| Irma         | Henkels&McCoy (PPL)                 | IRMA17-I1000          | \$303,848.43   |
| Irma         | Henkels&McCoy (Vectren Energy)      | STRM17-I1020          | \$369,788.64   |
| Irma         | IB Abel (1)                         | 161635                | \$336,077.98   |
| Irma         | JW Didado Distribution              | 1711174               | \$488,050.00   |
| Irma         | JW Didado Distribution              | 1711175               | \$60,917.30    |
| Irma         | JW Didado Distribution              | 1711170               | \$209,391.11   |
| Irma         | JW Didado Distribution              | 1711169               | \$61,715.28    |
| Irma         | JW Didado Distribution              | 1711173               | \$3,706.95     |
| Irma         | JW Didado Distribution              | 1711172               | \$206,436.11   |
| Irma         | JW Didado Distribution              | 1711179               | \$11,224.50    |
| Irma         | JW Didado Distribution              | 1711171               | \$2,516,930.73 |
| Irma         | JW Didado Distribution              | 1711309               | \$48,432.46    |
| Irma         | JW Didado Distribution              | 1711162               | \$33,402.55    |
| Irma         | JW Didado Distribution              | 1712520               | \$111.80       |
| Irma         | JW Didado Distribution              | 1801528               | \$22,503.79    |
| Irma         | JW Didado Distribution              | 1801600               | \$3,242.59     |
| Irma         | JW Didado Distribution              | 1711308R              | \$2,878.30     |
| Irma         | Lee Electrical                      | 33466023284           | \$1,755,621.28 |
| Irma         | Liberty Utilities (Algonquin Power) | 1441                  | \$292,423.92   |
| Irma         | Linetec Services Transmission Only  | 5265                  | \$10,737.86    |
| Irma         | Linetec Services Transmission Only  | 5266                  | \$23,927.96    |
| Irma         | Linetec Services Transmission Only  | 5271                  | \$24,855.32    |
| Irma         | Linetec Services Transmission Only  | 5272                  | \$8,411.15     |
| Irma         | Linetec Services Transmission Only  | 5273                  | \$6,930.33     |
| Irma         | Linetec Services Transmission Only  | 5274                  | \$29,193.36    |
| Irma         | Linetec Services Transmission Only  | 5275                  | \$7,691.40     |
| Irma         | Linetec Services Transmission Only  | 5276                  | \$8,970.78     |
| Irma         | Linetec Services Transmission Only  | 5277                  | \$11,398.80    |
| Irma         | Linetec Services Transmission Only  | 5280                  | \$14,687.60    |
| Irma         | Linetec Services Transmission Only  | 5281                  | \$60,337.52    |
| Irma         | Linetec Services Transmission Only  | 5282                  | \$69,751.92    |
| Irma         | Linetec Services Transmission Only  | 5283                  | \$59,746.04    |
| Irma         | Linetec Services Transmission Only  | 5284                  | \$56,622.00    |
| Irma         | Linetec Services Transmission Only  | 5285                  | \$66,140.56    |

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|--------------|--|-----------------------|----------------|
| Irma         | Linetec Services Transmission Only           | 5286                  | \$32,876.92    |
| Irma         | Linetec Services Transmission Only           | 5289                  | \$36,065.92    |
| Irma         | Linetec Services Transmission Only           | 5290                  | \$55,093.76    |
| Irma         | Linetec Services Transmission Only           | 5291                  | \$72,306.24    |
| Irma         | Linetec Services Transmission Only           | 5292                  | \$55,965.52    |
| Irma         | Linetec Services Transmission Only           | 5294                  | \$59,075.48    |
| Irma         | Linetec Services Transmission Only           | 5295                  | \$57,580.00    |
| Irma         | Linetec Services Transmission Only           | 5296                  | \$58,726.32    |
| Irma         | Linetec Services Transmission Only           | 5297                  | \$135,728.32   |
| Irma         | Linetec Services Transmission Only           | 5298                  | \$41,318.40    |
| Irma         | Linetec Services - Meals/Lodging/Equip trans | 5380                  | \$36,850.77    |
| Irma         | Madison G&E                                  | 23-7533-5-17          | \$198,690.70   |
| Irma         | MatrixNAC (North American Construction)      | 43561497              | \$119,895.70   |
| Irma         | MDR Construction                             | 25-20915              | \$27,145.13    |
| Irma         | MDR Construction                             | 25-20916              | \$13,711.84    |
| Irma         | MDR Construction                             | 25-20917              | \$12,913.65    |
| Irma         | MDR Construction                             | 25-20918              | \$12,921.75    |
| Irma         | MDR Construction                             | 25-20919              | \$13,480.78    |
| Irma         | MDR Construction                             | 25-20930              | \$112,951.43   |
| Irma         | MDR Construction                             | 25-20931              | \$52,374.52    |
| Irma         | MDR Construction                             | 25-20932              | \$51,789.24    |
| Irma         | MDR Construction                             | 25-20933              | \$52,693.15    |
| Irma         | MDR Construction                             | 25-20934              | \$51,410.64    |
| Irma         | Michels (ITC MidWest)                        | 272015                | \$499,332.84   |
| Irma         | Michels (ITC MidWest)                        | 272016                | \$1,469,307.34 |
| Irma         | Michels (ITC MidWest)                        | 272017                | \$514,885.54   |
| Irma         | Miller Brothers                              | PILS-7436             | \$976,165.37   |
| Irma         | MJ Electric                                  | 25163055200-1         | \$698,263.36   |
| Irma         | National Grid (D-Line)(MA)                   | 800243062             | \$1,252,041.55 |
| Irma         | National Grid (D-Line)(RI)                   | 800243063             | \$439,765.45   |
| Irma         | National Grid (D-Line)(NY)                   | 800242502             | \$1,900,262.60 |
| Irma         | Nebraska Public (NPPD)                       | 9000024422            | \$550,580.00   |
| Irma         | Northern Indiana Public Service (NISource)   | 112017-03             | \$1,075,299.39 |
| Irma         | Omaha Public Power                           | EMP000279             | \$421,839.66   |
| Irma         | Otter Tail Power                             | 279108                | \$118,954.38   |
| Irma         | PIKE   | 86308                 | \$17,299.94    |

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| <b>Storm</b> | <b>Vendor</b>                      | <b>Invoice Number</b> | <b>Amount</b>  |
|--------------|------------------------------------|-----------------------|----------------|
| Irma         | PIKE                               | 86306                 | \$66,670.79    |
| Irma         | PIKE                               | 86597                 | \$42,672.38    |
| Irma         | PIKE                               | 52008                 | \$4,383.83     |
| Irma         | PIKE                               | 57360                 | \$16,817.38    |
| Irma         | PIKE                               | 57361                 | \$63,130.62    |
| Irma         | PIKE                               | 52009                 | \$16,582.70    |
| Irma         | PIKE                               | 54548                 | \$75,243.76    |
| Irma         | PIKE                               | 58911                 | \$48,183.88    |
| Irma         | PIKE                               | 58912                 | \$44,350.02    |
| Irma         | PIKE                               | 58913                 | \$44,627.29    |
| Irma         | PIKE                               | 59527                 | \$19,410.13    |
| Irma         | PSEG Long Island NY (PSEGLI)       | 405552223             | \$878,399.18   |
| Irma         | Riggs Distler                      | RDC0526-001           | \$558,648.97   |
| Irma         | River City Inc                     | 38509                 | \$15,787.00    |
| Irma         | River City Inc                     | 38510                 | \$84,149.50    |
| Irma         | River City Inc                     | 38511                 | \$75,922.00    |
| Irma         | River City Inc                     | 38512                 | \$69,561.00    |
| Irma         | River City Inc                     | 38513                 | \$89,552.50    |
| Irma         | River City Inc                     | 38514                 | \$138,711.25   |
| Irma         | River City Inc                     | 38515                 | \$1,228.50     |
| Irma         | River City Inc                     | 38516                 | \$6,347.25     |
| Irma         | River City Inc                     | 38517                 | \$6,049.75     |
| Irma         | River City Inc                     | 38518                 | \$5,260.50     |
| Irma         | River City Inc                     | 38519                 | \$7,542.50     |
| Irma         | River City Inc                     | 38520                 | \$9,700.25     |
| Irma         | River City Inc (Expenses)          | 38560                 | \$18,408.40    |
| Irma         | River City Inc (Meals)             | Meals                 | \$3,321.97     |
| Irma         | Service Electric Company (SEC) (1) | 57428                 | \$30,945.12    |
| Irma         | Service Electric Company (SEC) (2) | 57429                 | \$1,891,865.93 |
| Irma         | Service Electric Company (SEC)     | 57427                 | \$429,441.92   |
| Irma         | Sparks                             | 9116                  | \$1,910,235.68 |
| Irma         | Sparks                             | 9116A                 | \$3,897,168.13 |
| Irma         | Sparks                             | 9116B                 | \$428,085.60   |
| Irma         | Sparks - Travel                    | 9116C                 | \$1,734,322.44 |
| Irma         | State Electric                     | 9516                  | \$3,108,000.00 |
| Irma         | State Electric                     | 9604                  | \$64,917.03    |

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| <b>Storm</b> | <b>Vendor</b>                             | <b>Invoice Number</b> | <b>Amount</b>          |
|--------------|---|-----------------------|------------------------|
| Irma         | State Electric                            | 10178                 | \$4,090.27             |
| Irma         | Thayer                                    | 17TEC01               | \$778,600.32           |
| Irma         | Toronto Hydro                             | L0071029              | \$301,413.00           |
| Irma         | Upper Peninsula                           | TEC-001               | \$113,350.99           |
| Irma         | Valiant Energy                            | P174-01               | \$1,126,923.17         |
| Irma         | XCEL Energy - MN                          | 10036493              | \$650,934.86           |
| Irma         | XCEL Energy - PSCo                        | 200002718776          | \$1,216,454.00         |
| Irma         | XCEL Energy - Southwestern Public Service | 200002722337          | \$524,707.66           |
| Irma         | XCEL Energy - WI                          | 10036494              | \$177,437.24           |
|              |   |                       | <b>\$56,403,518.69</b> |

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**34.** Materials & Supplies Expense. For each storm, please provide a summary of costs, by period charged, by function, by type of costs.

**A.** The tables below provide a summary of materials and supplies expenses (costs), by period charged, by function and by type of costs for each storm:

**TS Erika**

|              |  | <b>Materials and Supplies Expenses - TS Erika</b> |          |          |          |           |
|--------------|--|---|----------|----------|----------|-----------|
|              |  | 2015  | 2016     | 2017     | 2018     | Total     |
| Distribution |  | 26  | 0        | 0        | 0        | 26        |
| Transmission |  | 0   | 0        | 0        | 0        | 0         |
| Generation   |  | 0   | 0        | 0        | 0        | 0         |
| Other        |  | 0   | 0        | 0        | 0        | 0         |
| <b>Total</b> |  | <b>26</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>26</b> |

**TS Colin**

|              |  | <b>Materials and Supplies Expenses - TS Colin</b> |              |          |          |              |
|--------------|--|---|--------------|----------|----------|--------------|
|              |  | 2015  | 2016         | 2017     | 2018     | Total        |
| Distribution |  | 0   | 7,869        | 0        | 0        | 7,869        |
| Transmission |  | 0   | 0            | 0        | 0        | 0            |
| Generation   |  | 0   | 0            | 0        | 0        | 0            |
| Other        |  | 0   | 0            | 0        | 0        | 0            |
| <b>Total</b> |  | <b>0</b>  | <b>7,869</b> | <b>0</b> | <b>0</b> | <b>7,869</b> |

**Hurricane Hermine**

|              |  | <b>Materials and Supplies Expenses - Hurricane Hermine</b> |               |          |          |               |
|--------------|--|--|---------------|----------|----------|---------------|
|              |  | 2015   | 2016          | 2017     | 2018     | Total         |
| Distribution |  | 0  | 10,646        | 0        | 0        | 10,646        |
| Transmission |  | 0  | 0             | 0        | 0        | 0             |
| Generation   |  | 0  | 0             | 0        | 0        | 0             |
| Other        |  | 0  | 30,875        | 0        | 0        | 30,875        |
| <b>Total</b> |  | <b>0</b>   | <b>41,522</b> | <b>0</b> | <b>0</b> | <b>41,522</b> |

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**Hurricane Matthew**

|              |          | <b>Materials and Supplies Expenses - Hurricane Matthew</b> |              |          |              |       |
|--------------|----------|--|--------------|----------|--------------|-------|
|              |          | 2015   | 2016         | 2017     | 2018         | Total |
| Distribution | 0        | 0  | 2,278        | 0        | <b>2,278</b> |       |
| Transmission | 0        | 0  | 0            | 0        | <b>0</b>     |       |
| Generation   | 0        | 0  | 0            | 0        | <b>0</b>     |       |
| Other        | 0        | 0  | 116          | 0        | <b>116</b>   |       |
| <b>Total</b> | <b>0</b> | <b>0</b>   | <b>2,394</b> | <b>0</b> | <b>2,394</b> |       |

**Hurricane Irma**

|              |          | <b>Materials and Supplies Expenses - Hurricane Irma</b> |                  |                    |                  |       |
|--------------|----------|---|------------------|--------------------|------------------|-------|
|              |          | 2015  | 2016             | 2017               | 2018             | Total |
| Distribution | 0        | 0   | 2,831,775        | (1,281,244)        | <b>1,550,532</b> |       |
| Transmission | 0        | 0   | 391              | 0                  | <b>391</b>       |       |
| Generation   | 0        | 0   | 148,106          | 0                  | <b>148,106</b>   |       |
| Other        | 0        | 0   | 24,131           | 0                  | <b>24,131</b>    |       |
| <b>Total</b> | <b>0</b> | <b>0</b>  | <b>3,004,403</b> | <b>(1,281,244)</b> | <b>1,723,160</b> |       |

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**35.** Materials & Supplies Issue. For each storm, please provide a summary of costs, by period charged, by function, by type of costs.

**A.** The tables below provide a summary of Materials and Supplies Issued (costs), by period charged, by function and by type of costs for each storm:

**TS Erika**

| <b>Materials and Supplies Issue - TS Erika</b> |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|
|  | 2015     | 2016     | 2017     | 2018     | Total    |
| Distribution                                   | 0        | 0        | 0        | 0        | 0        |
| Transmission                                   | 0        | 0        | 0        | 0        | 0        |
| Generation                                     | 0        | 0        | 0        | 0        | 0        |
| Other  | 0        | 0        | 0        | 0        | 0        |
| <b>Total</b>                                   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

**TS Colin**

| <b>Materials and Supplies Issue - TS Colin</b> |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|
|  | 2015     | 2016     | 2017     | 2018     | Total    |
| Distribution                                   | 0        | 0        | 0        | 0        | 0        |
| Transmission                                   | 0        | 0        | 0        | 0        | 0        |
| Generation                                     | 0        | 0        | 0        | 0        | 0        |
| Other  | 0        | 0        | 0        | 0        | 0        |
| <b>Total</b>                                   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

**Hurricane Hermine**

| <b>Materials and Supplies Issue - Hurricane Hermine</b> |          |              |          |          |              |
|---|----------|--------------|----------|----------|--------------|
|   | 2015     | 2016         | 2017     | 2018     | Total        |
| Distribution  | 0        | 4,457        | 0        | 0        | <b>4,457</b> |
| Transmission  | 0        | 0            | 0        | 0        | 0            |
| Generation  | 0        | 0            | 0        | 0        | 0            |
| Other   | 0        | 0            | 0        | 0        | 0            |
| <b>Total</b>  | <b>0</b> | <b>4,457</b> | <b>0</b> | <b>0</b> | <b>4,457</b> |

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**Hurricane Matthew**

| <b>Materials and Supplies Issue - Hurricane Matthew</b> |          |              |          |          |              |
|---|----------|--------------|----------|----------|--------------|
|   | 2015     | 2016         | 2017     | 2018     | Total        |
| Distribution  | 0        | 3,494        | 0        | 0        | <b>3,494</b> |
| Transmission  | 0        | 0            | 0        | 0        | <b>0</b>     |
| Generation  | 0        | 0            | 0        | 0        | <b>0</b>     |
| Other   | 0        | 0            | 0        | 0        | <b>0</b>     |
| <b>Total</b>  | <b>0</b> | <b>3,494</b> | <b>0</b> | <b>0</b> | <b>3,494</b> |

**Hurricane Irma**

| <b>Materials and Supplies Issue - Hurricane Irma</b> |          |          |                |          |                 |
|--|----------|----------|----------------|----------|-----------------|
|  | 2015     | 2016     | 2017           | 2018     | Total           |
| Distribution   | 0        | 0        | (25,984)       | 0        | <b>(25,984)</b> |
| Transmission   | 0        | 0        | (0)            | 0        | <b>(0)</b>      |
| Generation   | 0        | 0        | 2,442          | 0        | <b>2,442</b>    |
| Other  | 0        | 0        | 191,861        | 0        | <b>191,861</b>  |
| <b>Total</b>   | <b>0</b> | <b>0</b> | <b>168,319</b> | <b>0</b> | <b>168,319</b>  |

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**36.** Materials & Supplies Issue. Please provide an explanation as to how costs are tracked for issues and returns, and how the final cost was actually determined.

**A.** Tampa Electric uses two processes to ensure the tracking of material and the final cost are accurately performed during storm events.

First, Tampa Electric's Business Planning Department provides the storm accounts to be used by the company's Warehousing and Stores. Business Planning then monitors the materials issued and if necessary, will make adjustments as needed. This department will also ensure that assets are not issued to the reserve along with running final reports to ensure that the materials issued align with the various orders provided.

Second, as material is issued from the company's Warehousing and Stores to each incident base, the transactions are entered into SAP by Stores personnel. Stores personnel are also located at each incident base to receive this material, issue material to the crews at each incident base along with monitoring usage. After the storm event is over and the decision is made to close the incident base, all crews are required to remove material from their trucks. Material coming off the trucks and any unused material at the incident base is then transported back to the Warehousing and Stores location that it was originally issued from and the restocking/inventorying of material will be entered into SAP as a return transaction.

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**37.** Vehicle & Fuel. For each storm, please provide a summary of costs by function identifying the costs by type (i.e. overhead charge, invoiced, contractor/vendor charge, other, etc.), how the costs were excluded from Exhibit D of the Amended Petition and why the cost trail is not presented.

**A.** The tables below provide a summary of vehicle and fuels costs, for each storm, by type (fuel, rental, incremental labor and contractors to support vehicles and fuel dispersion). These costs are included in Exhibit D of the Amended Petition and no costs identified would be excluded.

**TS Erika**

|              |  | <b>Vehicles and Fuel - TS Erika</b> |          |          |          |            |
|--------------|--|-------------------------------------|----------|----------|----------|------------|
|              |  | 2015                                | 2016     | 2017     | 2018     | Total      |
| Fuel         |  | 0                                   | 0        | 0        | 0        | <b>0</b>   |
| Rental       |  | 0                                   | 0        | 0        | 0        | <b>0</b>   |
| Labor        |  | 415                                 | 0        | 0        | 0        | <b>415</b> |
| Contractor   |  | 0                                   | 0        | 0        | 0        | <b>0</b>   |
| <b>Total</b> |  | <b>415</b>                          | <b>0</b> | <b>0</b> | <b>0</b> | <b>415</b> |

**TS Colin**

|              |  | <b>Vehicles and Fuel - TS Colin</b> |               |          |          |               |
|--------------|--|-------------------------------------|---------------|----------|----------|---------------|
|              |  | 2015                                | 2016          | 2017     | 2018     | Total         |
| Fuel         |  | 0                                   | 6,121         | 0        | 0        | <b>6,121</b>  |
| Rental       |  | 0                                   | 0             | 0        | 0        | <b>0</b>      |
| Labor        |  | 0                                   | 15,119        | 0        | 0        | <b>15,119</b> |
| Contractor   |  | 0                                   | 0             | 0        | 0        | <b>0</b>      |
| <b>Total</b> |  | <b>0</b>                            | <b>21,240</b> | <b>0</b> | <b>0</b> | <b>21,240</b> |

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**Hurricane Hermine**

|              |  | <b>Vehicles and Fuel - Hurricane Hermine</b> |          |          |          |               |
|--------------|--|--|----------|----------|----------|---------------|
|              |  | 2015   | 2016     | 2017     | 2018     | Total         |
| Fuel         |  | 0  | 8,445    | 0        | 0        | <b>8,445</b>  |
| Rental       |  | 0  | 16,434   | 0        | 0        | <b>16,434</b> |
| Labor        |  | 0  | 39,434   | 0        | 0        | <b>39,434</b> |
| Contractor   |  | 0  | 0        | 0        | 0        | <b>0</b>      |
| <b>Total</b> |  | <b>0</b>                                     | <b>0</b> | <b>0</b> | <b>0</b> | <b>64,313</b> |

**Hurricane Matthew**

|              |  | <b>Vehicles and Fuel - Hurricane Matthew</b> |               |          |          |               |
|--------------|--|--|---------------|----------|----------|---------------|
|              |  | 2015   | 2016          | 2017     | 2018     | Total         |
| Fuel         |  | 0  | 143           | 0        | 0        | <b>143</b>    |
| Rental       |  | 0  | 0             | 0        | 0        | <b>0</b>      |
| Labor        |  | 0  | 21,268        | 0        | 0        | <b>21,268</b> |
| Contractor   |  | 0  | 0             | 0        | 0        | <b>0</b>      |
| <b>Total</b> |  | <b>0</b>                                     | <b>21,411</b> | <b>0</b> | <b>0</b> | <b>21,411</b> |

**Hurricane Irma**

|              |  | <b>Vehicles and Fuel - Hurricane Irma</b> |          |                  |          |                  |
|--------------|--|---|----------|------------------|----------|------------------|
|              |  | 2015                                      | 2016     | 2017             | 2018     | Total            |
| Fuel         |  | 0   | 0        | 381,023          | 0        | <b>381,023</b>   |
| Rental       |  | 0   | 0        | 3,188            | 0        | <b>3,188</b>     |
| Labor        |  | 0   | 0        | 229,364          | 0        | <b>229,364</b>   |
| Contractor   |  | 0   | 0        | 564,613          | 0        | <b>564,613</b>   |
| <b>Total</b> |  | <b>0</b>                                  | <b>0</b> | <b>1,178,188</b> | <b>0</b> | <b>1,178,188</b> |

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**38.** Other Operating Expenses. Please explain what type of costs are included in “Other Operating Expenses” and provide, for each storm, a summary of costs, by type, by function.

**A.** The tables below provide a summary of other operating expenses by type and functions for each storm. Examples of the type of costs that are categorized as “Other Operating Expenses” include ice, tables, tents, water, foreign crew lodging and other expenses related to incident bases which cannot fit in any other defined cost category.

**TS Erika**

| <b>Other Operating Expenses - TS Erika</b> |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|
|  | 2015     | 2016     | 2017     | 2018     | Total    |
| Distribution                               | 0        | 0        | 0        | 0        | <b>0</b> |
| Transmission                               | 0        | 0        | 0        | 0        | <b>0</b> |
| Generation                                 | 0        | 0        | 0        | 0        | <b>0</b> |
| Other                                      | 0        | 0        | 0        | 0        | <b>0</b> |
| <b>Total</b>                               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

**TS Colin**

| <b>Other Operating Expenses - TS Colin</b> |          |          |          |          |          |
|--|----------|----------|----------|----------|----------|
|  | 2015     | 2016     | 2017     | 2018     | Total    |
| Distribution                               | 0        | 0        | 0        | 0        | <b>0</b> |
| Transmission                               | 0        | 0        | 0        | 0        | <b>0</b> |
| Generation                                 | 0        | 0        | 0        | 0        | <b>0</b> |
| Other                                      | 0        | 0        | 0        | 0        | <b>0</b> |
| <b>Total</b>                               | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

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**Hurricane Hermine**

|              |  | <b>Other Operating Expenses - Hurricane Hermine</b> |               |          |          |               |
|--------------|--|---|---------------|----------|----------|---------------|
|              |  | 2015  | 2016          | 2017     | 2018     | Total         |
| Distribution |  | 0   | 32,923        | 0        | 0        | <b>32,923</b> |
| Transmission |  | 0   | 0             | 0        | 0        | <b>0</b>      |
| Generation   |  | 0   | 0             | 0        | 0        | <b>0</b>      |
| Other        |  | 0   | 0             | 0        | 0        | <b>0</b>      |
| <b>Total</b> |  | <b>0</b>  | <b>32,923</b> | <b>0</b> | <b>0</b> | <b>32,923</b> |

**Hurricane Matthew**

|              |  | <b>Other Operating Expenses - Hurricane Matthew</b> |          |          |          |          |
|--------------|--|---|----------|----------|----------|----------|
|              |  | 2015  | 2016     | 2017     | 2018     | Total    |
| Distribution |  | 0   | 0        | 0        | 0        | <b>0</b> |
| Transmission |  | 0   | 0        | 0        | 0        | <b>0</b> |
| Generation   |  | 0   | 0        | 0        | 0        | <b>0</b> |
| Other        |  | 0   | 0        | 0        | 0        | <b>0</b> |
| <b>Total</b> |  | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

**Hurricane Irma**

|              |  | <b>Other Operating Expenses - Hurricane Irma</b> |          |               |              |               |
|--------------|--|--|----------|---------------|--------------|---------------|
|              |  | 2015   | 2016     | 2017          | 2018         | Total         |
| Distribution |  | 0  | 0        | 20,477        | 5,690        | <b>26,167</b> |
| Transmission |  | 0  | 0        | 0             | 0            | <b>0</b>      |
| Generation   |  | 0  | 0        | 3,745         | 0            | <b>3,745</b>  |
| Other        |  | 0  | 0        | 55,620        | 0            | <b>55,620</b> |
| <b>Total</b> |  | <b>0</b>   | <b>0</b> | <b>79,842</b> | <b>5,690</b> | <b>85,532</b> |

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**39.** Employee Expenses. Please explain what type of costs are included in “Employee Expenses” and for each storm identified in the Amended Petition, provide summary of costs, by type, by function.

**A.** Employee expenses include costs such as travel, mileage, lodging and meals. The tables below provide a summary of Employee Expenses (costs), by type and by function for each storm.

**TS Erika**

|              |  | <b>Employee Expenses - TS Erika</b> |          |          |          |               |
|--------------|--|-------------------------------------|----------|----------|----------|---------------|
|              |  | 2015                                | 2016     | 2017     | 2018     | Total         |
| Distribution |  | 24,236                              | 0        | 0        | 0        | <b>24,236</b> |
| Transmission |  | 0                                   | 0        | 0        | 0        | <b>0</b>      |
| Generation   |  | 0                                   | 0        | 0        | 0        | <b>0</b>      |
| Other        |  | 0                                   | 0        | 0        | 0        | <b>0</b>      |
| <b>Total</b> |  | <b>24,236</b>                       | <b>0</b> | <b>0</b> | <b>0</b> | <b>24,236</b> |

**TS Colin**

|              |  | <b>Employee Expenses - TS Colin</b> |                |          |          |                |
|--------------|--|-------------------------------------|----------------|----------|----------|----------------|
|              |  | 2015                                | 2016           | 2017     | 2018     | Total          |
| Distribution |  | 0                                   | 132,319        | 0        | 0        | <b>132,319</b> |
| Transmission |  | 0                                   | 542            | 0        | 0        | <b>542</b>     |
| Generation   |  | 0                                   | 0              | 0        | 0        | <b>0</b>       |
| Other        |  | 0                                   | 10             | 0        | 0        | <b>10</b>      |
| <b>Total</b> |  | <b>0</b>                            | <b>132,871</b> | <b>0</b> | <b>0</b> | <b>132,871</b> |

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**Hurricane Hermine**

|              |  | <b>Employee Expenses - Hurricane Hermine</b> |                |          |          |                |
|--------------|--|--|----------------|----------|----------|----------------|
|              |  | 2015   | 2016           | 2017     | 2018     | Total          |
| Distribution |  | 0  | 169,259        | 0        | 0        | <b>169,259</b> |
| Transmission |  | 0  | 0              | 0        | 0        | <b>0</b>       |
| Generation   |  | 0  | 0              | 0        | 0        | <b>0</b>       |
| Other        |  | 0  | 23,140         | 0        | 0        | <b>23,140</b>  |
| <b>Total</b> |  | <b>0</b>                                     | <b>192,399</b> | <b>0</b> | <b>0</b> | <b>192,399</b> |

**Hurricane Matthew**

|              |  | <b>Employee Expenses - Hurricane Matthew</b> |               |           |          |               |
|--------------|--|--|---------------|-----------|----------|---------------|
|              |  | 2015   | 2016          | 2017      | 2018     | Total         |
| Distribution |  | 0  | 12,295        | 21        | 0        | <b>12,316</b> |
| Transmission |  | 0  | 0             | 0         | 0        | <b>0</b>      |
| Generation   |  | 0  | 0             | 0         | 0        | <b>0</b>      |
| Other        |  | 0  | 0             | 0         | 0        | <b>0</b>      |
| <b>Total</b> |  | <b>0</b>                                     | <b>12,295</b> | <b>21</b> | <b>0</b> | <b>12,316</b> |

**Hurricane Irma**

|              |  | <b>Employee Expenses - Hurricane Irma</b> |          |                  |          |                  |
|--------------|--|---|----------|------------------|----------|------------------|
|              |  | 2015                                      | 2016     | 2017             | 2018     | Total            |
| Distribution |  | 0   | 0        | 4,448,275        | 0        | <b>4,448,275</b> |
| Transmission |  | 0   | 0        | 471              | 0        | <b>471</b>       |
| Generation   |  | 0   | 0        | 484              | 0        | <b>484</b>       |
| Other        |  | 0   | 0        | 48,409           | 0        | <b>48,409</b>    |
| <b>Total</b> |  | <b>0</b>                                  | <b>0</b> | <b>4,497,639</b> | <b>0</b> | <b>4,497,639</b> |

A F F I D A V I T

STATE OF FLORIDA            )  
  )  
COUNTY OF HILLSBOROUGH )

Before me the undersigned authority personally appeared, Mark Roche who deposed and said that he is a Manager, Rates, Tampa Electric Company, and that the individuals listed in Tampa Electric Company's response to OPC's First Set of Interrogatories, (Nos. 1-39) prepared or assisted with the responses to these interrogatories to the best of his information and belief.

Dated at Tampa, Florida this 9 day of April, 2018.

  
\_\_\_\_\_  
*Mark P. Roche*

Sworn to and subscribed before me this 9<sup>th</sup> day of April, 2018.

  
\_\_\_\_\_



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