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October 2, 2017

Via Hand Delivery

Lora W. Johnson, CMC
Clerk of Council
Council of the City of New Orleans
City Hall, Room 1E09
1300 Perdido Street
New Orleans, LA 70112

***RE: In Re: An inquiry and Fact Finding into Entergy new Orleans,
Inc. and Entergy Louisiana, LLC's Post-Hurricane Isaac
Response and Storm Recovery Matters
(CNO Docket No. UD-12-04)***

Dear Ms. Johnson:

Enclosed please find an original and three copies of Entergy New Orleans, Inc.'s Composite Pole Report Pursuant to Council Resolution R-17-331 in the above-referenced docket. Please file an original and two copies into the record in the above-referenced matter, and return a date-stamped copy to our courier.

Thank you for your assistance with this matter.

Sincerely,

Timothy S. Cragin

TSC/pe

Enclosure

cc: Official Service List UD-12-04 (Via Electronic Mail)

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**BEFORE THE
COUNCIL OF THE CITY OF NEW ORLEANS**

**IN RE: AN INQUIRY AND FACT)
FINDING INTO ENTERGY NEW)
ORLEANS, INC. AND ENTERGY)
LOUISIANA, LLC'S POST-HURRICANE) DOCKET NO. UD-12-04
ISAAC RESPONSE AND STORM)
RECOVERY MATTERS)**

**ENTERGY NEW ORLEANS, INC.'S COMPOSITE POLE REPORT
PURSUANT TO COUNCIL RESOLUTION R-17-331**

Entergy New Orleans, Inc. (“ENO” or the “Company”) respectfully submits this Composite Pole Report pursuant to Ordering Paragraph 6 of Council Resolution R-17-331, dated July 13, 2017. That Resolution requires ENO to submit a report on its composite pole experience to date that includes the location and number of composite pole installations, the cost related to those installations, resulting benefits to customers from each project, estimated improvement in system reliability as a result of such installations, and ENO’s recommendation, with explanation, regarding whether deployment of composite poles should be expanded. The details of ENO’s report in response to these requirements are set forth below.

I. Number and Location of Composite Poles Installed by ENO

ENO installed 64 composite poles in 2016 at the following locations:

Location	Quantity
400 A English Turn Drive (in the rear)	16
4119 Copernicus Street	1
3020 General Degaulle	1
2940 General Degaulle	1

1836 Shirley Drive	1
1828 Shirley Drive	1
1772 Shirley Drive	1
Shirley @ Copernicus	2
1DN Shirley @ Copernicus	1
1655 Shirley Drive	1
General Meyer near Holiday Place	1
1513 Shirley Drive	1
1429 Shirley Drive	1
De Armas@ Shirley Drive	1
English Turn Drive	13
3450 Hyman Place	1
3334 Hyman Place	1
3419 River Oaks Drive	1
Woodland Hwy(lower coast bridge)	1
5730 Brighton Place	1
Brunswick Court	1
4480 General De Gaulle	4
1415 Holiday Place	1
4550 General Degaulle	3
3301 Garden Oaks	1
3401 Florence Drive	1
3211 St. Philip Street	1

3105 St. Philip Street	1
3021 St. Philip Street	1
3237 St. Philip Street	1
3141 St. Philip Street	1

In 2017, ENO has installed 8 additional composite poles in rear alley installations in Algiers.

Location	Quantity
2423 St. Nick Drive	1
2411 St Nick Drive	1
2327 St. Nick Drive	1
2319 St. Nick Drive	1
2327 St. Nick Drive	1
2319 St. Nick Drive	1
2301 St. Nick Drive	1
2213 St. Nick Drive	1

The pictures below are before and after photographs of composite pole installations on St. Nick Drive in Algiers.

Before and After



Before and After



II. Cost of Composite Poles Installed by ENO

The table below reflects the average cost of the composite poles as well as a comparison to the average cost of Class 3 wood poles.

<u>Composite Pole Cost</u>	<u>Wood Pole Cost</u>
(40ft) \$2,287.43	(40ft) \$334.10
(45ft) \$2,320.01	(45ft) \$387.98
(50ft) \$2,714.28	(50ft) \$587.43
(55ft) \$4,179.44	(55ft) \$564.55

These figures are based on average cost of the poles themselves and does not include the full cost of installation. ENO is in the process of compiling the full cost of installing the composite poles and expects to supplement this report shortly with more detailed information. Preliminary calculations suggest that the cost of installing the 72 poles that have been installed to date is approximately \$0.6 million to \$0.7 million.

III. ENO's Experience to Date with Composite Poles and Recommendation Regarding Future Deployment

Given that ENO's experience to date with composite poles is just over one year old, it is not possible, at this early juncture, to draw any conclusions regarding the appropriateness of any extensive use of composite poles in the New Orleans area or regarding a comparison of the

reliability or durability of composite poles vis-à-vis wood poles. Similarly, it is simply too soon to draw any conclusions regarding the benefits to customers from the installation of this relatively small population of composite poles that have been installed to date or regarding any improvement (or decline) in system reliability as a result of these installations. ENO can say that there have been no pole failures on the poles that have been installed thus far and the composite poles, generally, are performing as expected.

ENO believes that it is reasonable to continue to gain experience with composite poles in various use scenarios to determine if wider application may be beneficial and warranted. Currently, ENO plans to deploy an additional 40 composite poles on the Eastbank of Orleans Parish. These poles have been ordered and delivery is expected by October 31, 2017. The Company is in the process of identifying feasible locations for installations keeping in mind guidance provided by the Entergy Design Basis team. This includes areas that are difficult to reach via bucket truck (*e.g.*, rear alley location, wet areas), where significant lightning mitigation improvements can be made, and where there are significant impacts from woodpeckers. The urban tree canopy in New Orleans and the relatively narrow vegetation clearance allowed by the City together with the larger deflection (*i.e.*, flexibility) of composite poles continue to be a concern for use in the New Orleans area.

Respectfully Submitted:

By: Timothy S. Cragin (P.E.)

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**ATTORNEYS FOR ENTERGY NEW
ORLEANS, INC.**

CERTIFICATE OF SERVICE

I hereby certify that I have served the required number of copies of the foregoing report upon all other known parties of this proceeding, by the following: electronic mail, facsimile, overnight mail, hand delivery, and/or United States Postal Service, postage prepaid.

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New Orleans, Louisiana, this 2nd day of October 2017.

Timothy S. Cragin (P.E.)