



**Matthew R. Bernier**  
ASSOCIATE GENERAL COUNSEL

July 14, 2021

**VIA ELECTRONIC FILING**

Adam J. Teitzman, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: *Duke Energy Florida, LLC's 2020 Storm Protection Plan Annual Status Report;*  
Undocketed

Dear Mr. Teitzman:

Please find enclosed for electronic filing Duke Energy Florida, LLC's Response to Staff's First Data Request (Nos. 1-8).

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Respectfully,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmw  
Enclosure

cc: Penelope D. Buys  
Marissa Ramos  
Laura King

**Duke Energy Florida, LLC’s (“DEF”) Response to Staff’s First Data Request  
re. DEF’s 2020 Storm Protection Plan (“SPP”)  
Annual Status Report**

1. Please refer to pages 62 and 63 and Attachment A, page 1 of 2, of DEF’s SPP Annual Status Report. Please indicate if the project cost operation and maintenance for projected and actual pole inspections, on pages 62 and 63, reflect the number of projected and actual inspections of 100,000 and 86,357 poles, respectively, on Attachment A, page 1 of 2 for 2020.

**Response:**

Yes; however, the original amount shown on page 63 of \$3,451,578 is incorrect. The updated table below provides the actual 2020 O&M spend of \$4,091,101 that was incurred to inspect 86,357 poles in 2020. The \$3,930,108 of O&M on page 62, reflects the projected cost for the estimated 100,000 pole inspections that were expected to be performed in 2020.

Updated Table:

**2020 Actual Duke Energy Florida - Distribution Pole Inspections**

<b>Location</b>	<b>Project Cost Capital</b>	<b>Project Cost O&amp;M</b>
Jamestown	N/A	\$ 1,154,369
Longwood	N/A	\$ 415,141
Inverness	N/A	\$ 825,781
Ocala	N/A	\$ 15,255
Clearwater	N/A	\$ 346,732
Seven Springs	N/A	\$ 637,042
SE Orlando	N/A	\$ 696,781
<b>Totals</b>	-	<b>4,091,101</b>

2. Please refer to pages 64 and 65 of DEF’s SPP Annual Status Report. Please indicate the number of distribution poles DEF projected and actually replaced in 2020.

**Response:**

DEF projected replacing 2,668 poles in 2020. DEF actually replaced 2,696 poles in 2020.

3. Please refer to pages 67 and 68 of DEF’s SPP Annual Status Report. Please indicate the number of transmission poles DEF projected and actually replaced in 2020.

**Response:**

The number of transmission poles DEF projected and actually replaced, in 2020, were 642 and 766 respectively.

Referencing Docket No. 20200069-EI, Exhibit No. (JWO-1), DEF Transmission projected 642 as shown on page 24:

Pole Replacement*	DEF		
	2020	2021	2022
Totals	\$ 34,285,154	\$ 33,838,208	
Capital	\$ 33,000,000	\$ 33,000,000	
O&M	\$ 1,285,154	\$ 838,208	
Total Units	642	339	

Referencing DEF's 2020 SPP Annual Status Report, page 21, chart "Storm Hardening and Remaining Population," DEF maintenance changeouts were 766.

Report Year	Maintenance Changeouts	DOT/Relocation, Upgrades and Rebuilds	Total
2020	766	345	1,111
2019	705	977	1,682
2018	796	372	1,168
2017	530	455	985
2016	698	469	1,167
2015	1,738	559	2,297

  

Report Year	Wood Pole Beginning Balance	Current Balance	Poles changed
2020	20,520	18,130	2,390
2019	21,547	20,520	1,027
2018	21,285	20,117	1,168
2017	23,567	21,285	2,282
2016	24,265	23,567	698
2015	25,370	24,265	1,105

Note: The 2020 current balance variance includes updated replacements from previous years found during data reconciliation in the Asset Management software.

- Please refer to pages 69 and 70 of DEF's SPP Annual Status Report. Please indicate the number of transmission structures DEF projected and actually inspected in 2020.

**Response:**

The number of transmission structures DEF projected and actually inspected, in 2020, were 10,959 and 12,438 respectively.

Referencing Docket No. 20200069-EI, Exhibit No. (JWO-1) DEF Transmission projected 10,959 as shown on page 26:

Pole/Tower Inspections*	DEF		
	2020	2021	2022
Totals	\$ 400,000	\$ 400,000	
Capital	\$ -	\$ -	
O&M	\$ 400,000	\$ 400,000	
Total Units	10,959	12,000	

Referencing DEF's 2020 SPP Annual Status Report, Attachment K, Page 2, Duke Energy Florida (Transmission) Annual Wood Pole Inspection Report, column J.

**Duke Energy Florida (Transmission)**  
**Annual Wood Pole Inspection Report**  
 (Reporting Year 2020)

d	e	f	g	h	i	j
# of Poles Failing Inspection this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Poles Designated for Replacement this Annual Inspection	Total # of Poles Replaced this annual Inspection	# of Poles Requiring Minor Follow-up this Annual Inspection	# of Poles Overloaded this Annual Inspection	Method(s) V-Visual E-Excavation P- Prod S-Sound & B-Bore R-Resistograph
1,858	52.82%	888	1,111	540	1	V = 12,031 (W,S,C) S&B = 3,371 (W)  V(S) = 407 (LT)  12,438 = Total V Total Structures, Includes LT  Total S&B = 3,371
			Total: 766 + 334 = 1111			

- Please refer to pages 76 and 77 of DEF's SPP Annual Status Report. Please indicate the transmission miles DEF projected and actually trimmed in 2020.

**Response:**

DEF projected trimming 380.09 transmission miles in 2020. DEF actually trimmed 251.94 transmission miles in 2020.

6. Please refer to page 79 of DEF's SPP Annual Status Report. Please indicate the number of distribution miles DEF projected and actually trimmed in 2020.

**Response:**

In 2020, DEF projected to trim 5,208 distribution miles. In 2020, DEF actually trimmed 5,322 distribution miles.

7. Please provide the number of projects planned for 2021 for the following programs:

- Distribution Self-Optimizing Grid
- Distribution Targeted Underground
- Distribution Deteriorated Conductor
- Distribution Pole Replacements
- Distribution Pole Inspections
- Distribution Feeder Hardening
- Distribution Submersible Underground
- Distribution Vegetation Management
- Transmission Pole Replacements
- Transmission Tower Upgrades
- Transmission Pole/Tower Inspections
- Transmission Overhead Groundwire
- Transmission Cathodic Protection
- Transmission Substation Hardening
- Transmission Vegetation Management

**Response:**

- Distribution Self-Optimizing Grid
  - DEF had 741 projects planned for 2021.
- Distribution Targeted Underground
  - DEF had 204 projects planned for 2021.
- Distribution Deteriorated Conductor
  - DEF had 17 projects planned for 2021.
- Distribution Pole Replacements
  - DEF had 3,433 pole replacement projects planned for 2021.
- Distribution Pole Inspections
  - DEF had 153,573 pole inspections planned for 2021.
- Distribution Feeder Hardening
  - DEF had 17 projects planned for 2021.
- Distribution Submersible Underground
  - DEF is initiating spending in this program in 2022. There are no planned projects for 2021.
- Distribution Vegetation Management
  - DEF had planned to trim 4,361 distribution miles in 2021.
- Transmission Pole Replacements

- DEF had 46 pole replacement projects planned for 2021.
- Transmission Tower Upgrades
  - DEF had 3 tower upgrade projects planned for 2021.
- Transmission Pole/Tower Inspections
  - DEF had 112 pole/tower inspection projects planned for 2021.
- Transmission Overhead Groundwire
  - DEF had 2 overhead groundwire projects planned for 2021.
- Transmission Cathodic Protection
  - DEF had 3 cathodic protection projects planned for 2021.
- Transmission Substation Hardening
  - DEF had 15 substation hardening projects planned for 2021.
- Transmission Vegetation Management
  - DEF had planned to trim 23 transmission circuits for 2021.

8. Please complete the following table regarding DEF's actual and projected SPP cost recovery clause rate impacts:

Customer Class	2020 Estimated	2020 Actual	2021 Estimated
Residential \$/kWh			
Commercial \$/kW			
Industrial \$/kW			

**Response:**

DEF did not seek recovery of the 2020 SPP project costs through the SPPCRC pursuant to the Settlement Agreement approved by Commission Order No. PSC-2020-0410-AS-EI, on October 27, 2020, in Docket No. 20200092.

The table below provides a comparison of the hypothetical estimated rate impacts of the estimated 2020 & 2021 SPPCRC costs and actual 2020 SPPCRC costs for DEF's typical residential, commercial and industrial customers without regard for the fact that DEF did not seek recovery of costs through the SPPCRC in 2020. These hypothetical estimated rate impacts are based on the total estimated and actual SPP expenditures (as shown in DEF's 2020 SPP Annual Status Report, filed on June 1, 2021) incurred only during calendar years 2020 and 2021, irrespective of whether those costs were recovered in the SPPCRC or through base rates.

Customer Class	2020 Estimated	2020 Actual	2021 Estimated
Residential \$/kWh	\$ 0.00211	\$ 0.00205	\$ 0.00264
Commercial \$/kW (GSD-Secondary)	\$ 0.51	\$ 0.50	\$ 0.64
Industrial \$/kW (GSD-Transmission)	\$ 0.09	\$ 0.08	\$ 0.09