

Carlotta Stauffer

From: Tom Ballinger
Sent: Monday, April 30, 2018 7:15 AM
To: Carlotta Stauffer
Subject: FW: FPL's OH v. UG and Hardened v. Non-Hardened Information
Attachments: Irma - OH v UG Hardened v Non-Hardened Apr 27 330.docx

Please place the message below and attachment in Docket No. 20170215-EU. Thank you.

Tom Ballinger
Director, Division of Engineering
Florida Public Service Commission
(850) 413-6680

From: Nesmith, Nanci [<mailto:Nanci.Nesmith@fpl.com>]
Sent: Friday, April 27, 2018 4:28 PM
To: Tom Ballinger
Cc: Adams, Lynne
Subject: FPL's OH v. UG and Hardened v. Non-Hardened Information

Mr. Ballinger,
Attached please find FPL's OH v. UG and Hardened v. Non-Hardened worksheets. Please let us know if you have any questions.

Thank you,
Nanci NeSmith
FPL

RECEIVED-FPSC
2018 APR 30 AM 10:12
aw
COMMUNICATIONS
CLERK

Hurricane Irma

Overhead vs Underground

Repairs per mile

	Underground total	Underground replaced/repared	Overhead total	Overhead replaced/repared	Combined total	Combined replaced/repared
Transmission	105	0	6,857	0.1	6,962	0.1
Distribution	25,818	12.5	42,301	443	68,119	455.5
Feeder	3,830	0.5	12,850	48	16,680	48.5
Lateral	17,921	1	22,788	148	40,709	149

Notes:

All figures above are provided in pole line miles instead of repairs per mile.

While FPL does not track or maintain its records in the manner requested, it has estimated the amount of pole line miles replaced/repared using certain assumptions and preliminary information available at this time. Repaired/repared information is preliminary, as Hurricane Irma follow-up work and final accounting are still ongoing.

Hurricane Irma

Hardened Vs. Non-hardened

Poles/towers
(In absolute numbers, not percentages)

	Hardened OH total	Hardened OH replaced/ repaired		Non-hardened OH total	Non-hardened OH replaced/ repaired
Transmission	60,694	0		5,991	5 ⁽²⁾
Distribution	124,518 ⁽¹⁾	26 ⁽²⁾		1,063,684 ⁽³⁾	2,834 ⁽²⁾

Note: Hardened pole for Transmission = concrete/steel pole; Hardened pole for Distribution = poles replaced as a result of FPL’s approved hardening projects (Extreme wind loading thresholds - 105 mph in the north central region; 130 mph in north, east and west coastal and central regions; and 145 mph in southern region).

⁽¹⁾ Includes only distribution feeder poles hardened as a result of FPL’s approved hardening plan projects. Additional poles currently installed may meet FPL’s EWL hardening criteria or are otherwise hardened relative to NESC minimum requirements but are not included as “hardened” in the above table. For example, the total for Hardened OH excludes other feeder/lateral poles installed since 2007 that meet FPL’s current stronger construction standards (in place since 2007) for new construction (e.g., new feeders or laterals) and/or daily work activities (e.g., maintenance, pole line extensions and relocation projects).

⁽²⁾ Poles that failed (i.e., had to be repaired/replaced during restoration in order to restore service).

⁽³⁾ Includes all remaining distribution poles (i.e., all poles not counted in the 124,518 poles installed as a result of FPL’s approved hardening plan projects). Distribution poles installed pre-2007 meet Grade B construction, while poles installed in 2007 or later meet FPL’s new stronger construction standards and may also meet extreme wind loading thresholds.