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March 6, 2019

VIA ELECTRONIC FILING (ECFS)

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Ex Parte Notice: Review of the Commission's Rules Governing the 896-901/935-940 MHz Band – WT Docket No. 17-200

Dear Ms. Dortch,

This letter is submitted, pursuant to Section 1.1206(b)(1) of the FCC's rules, to notify you that representatives of NextEra Energy, Inc. ("NextEra"), on behalf of itself and its subsidiary Florida Power & Light ("FPL"), had separate meetings on March 4 and March 5, 2019 with Rachael Bender, Wireless and International Advisor to Chairman Ajit Pai; Erin McGrath, Legal Advisor to Commissioner Michael O'Rielly; Will Adams, Legal Advisor to Commissioner Brendan Carr; Umair Javed, Legal Advisor, Wireless and International, to Commissioner Jessica Rosenworcel; and William Davenport, Senior Legal Advisor to Commissioner Geoffrey Starks. Attending the meetings on behalf of NextEra were William P. Cox, Senior Attorney, FPL; Tim Lewis, Group Manager for Radio Engineering and Operations, FPL; Richard Nelson, Wireless Architect Radio Engineering, FPL; Dan Ericson, Senior Scientist, Harris Corporation; Patrick Holder, The Brattle Group (meetings with Mr. Javed, Mr. Adams, and Mr. Davenport only); and Bryan Tramont and Timothy Cooney of Wilkinson Barker Knauer, LLP.

The NextEra representatives reiterated their opposition to the proposal by Enterprise Wireless Alliance and PDVWireless, Inc. to a mandatory reconfiguration of the 896-901/935-940 MHz ("900 MHz") band to include a 3/3 megahertz segment for broadband operations in the middle of two narrowband segments where incumbent narrowband users would be relegated. They questioned the commercial utility of a broadband segment as small as 3/3 megahertz, especially in light of other broadband alternatives with greater bandwidth that are now available from FirstNet/AT&T, Verizon and other providers. The reconfiguration would also cause substantial harmful interference to FPL's current 900 MHz network used for critical infrastructure communications, including disaster recovery after hurricanes. NextEra urged the

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Commission to seek comment on a fully voluntary market based approach (that is, with no mandatory relocation backstop), as well as three studies that NextEra previously had submitted in the record. Those studies (which were also left behind after the meetings) include the Cost-Benefit Analysis from The Brattle Group that NextEra submitted in this docket on September 14, 2018; and the two technical reports that NextEra submitted in this docket on September 21, 2018. NextEra also left behind the attachment to this letter.

Please contact the undersigned if you have any questions.

Sincerely,

/s/ Bryan N. Tramont

Bryan N. Tramont

Timothy J. Cooney

Enclosure

cc: Rachael Bender

Erin McGrath

Will Adams

Umair Javed

William Davenport



WT Docket No. 17-200 900 MHz Band NPRM

Critical Infrastructure Communications Concerns

March 2019

About NextEra Energy, Inc.

- **NextEra Energy, Inc. is a Leading Clean Energy Company**
 - Employs 14,300 people 36 states and Canada
 - Generated approximately \$16.8 billion in revenue
 - 8 nuclear units in FL, NH, IA, and WI, producing enough electricity to supply 5 million households
 - Ranked No. 1 in 2019 Fortune “World’s Most Admired Companies” List for the electric and gas utilities industry
 - Top “green utility” in U.S. according to EI Energy Intelligence, #4 worldwide
- **Florida Power & Light Company (“FPL”)**
 - NextEra Energy subsidiary is largest rate-regulated electric utility in Florida
 - Serves ~ 5 million customer accounts, 3rd most customers in the U.S.
- **NextEra Energy Resources, LLC (and Affiliates)**
 - World’s largest generator of renewable energy from the wind and sun and a world leader in battery storage



What We Use 900 MHz For

- **FPL (Florida) and NextEra affiliates (outside of Florida) operate a 900 MHz Private Land Mobile Radio (“PLMR”) voice dispatch system for:**
 - Power plant security operations, including nuclear power plant critical voice communications required by Nuclear Regulatory Commission regulations (e.g., 10 C.F.R. §73.55)
 - Operations of Nuclear Siren system (ANS Automated Notification System) for public alert notifications
 - Electrical service restoration and maintenance necessary for safety purposes, including:
 - Emergency notifications
 - Disaster recovery communications, such as hurricane restoration communications
 - Plans for future use of additional channels for Smart Grid energy efficiency monitoring and related controls for electric distribution systems

Our Investment

- **FPL has invested over \$140 MM in its existing PLMR systems:**
 - Operating a system over FPL's 27,000 square mile service area
 - Operating 2 systems for Nuclear Plant voice radio communications needed for required security measures
- **FPL has operated in the 900 MHz band for 23 years in an efficient manner without experiencing harmful interference**
- **FPL just completed an investment of an additional \$59 MM over the last 3 years to modernize current systems. These systems will have supplier commitments and opportunities for additional innovation over the next 20 years**
- **FPL currently has applications to the FCC to obtain 900 MHz spectrum via waiver process to expand this technology into the Gulf Power service area. This will be an additional \$17 MM investment to provide critical restoration communications.**



The FCC Proposal

- **The 900 MHz band consists of two 5 MHz blocks of paired spectrum (5/5 MHz) used exclusively for narrowband communications. The band consists of 399 channels grouped into blocks that alternate between:**
 - Geographically licensed (MTA basis) Specialized Mobile Radio (SMR) blocks; and
 - Site-by-site Business/Industrial/Land Transportation (B/ILT) or SMR blocks
 - FPL's systems are presently licensed and configured to provide optimal performance across the 5/5 MHz bands, without creating interference to itself (FPL) or others.
- **Building on the PDV proposal, the FCC is considering reconfiguring the 900 MHz band into:**
 - 3/3 MHz broadband segment in the middle of two narrowband segments of .5/.5 MHz and 1.5/1.5 MHz.

The FCC Draft NPRM: Suggestions

- **Seek comment on truly voluntary approach in which some markets never transition.**
- **Seek comment on status of a commercial market for a 3/3 MHz broadband segment; seek comment on status of narrowband market.**
- **Seek comment on less than a 3/3 MHz broadband segment in individual markets.**
- **Seek comment on B/ILT replacement criteria based on comparable coverage and capacity (not just number of channels previously licensed).**
- **Seek detailed comment on NextEra cost-benefit analysis already in the record.**
- **Seek detailed comment on the technical studies NextEra already submitted in the record.**

For More Information:

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