

April 16, 2018

Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket #: 20170215-EU

Dear Commissioners,

In accordance with the requirements for electronic filing for the upcoming May 3rd hearing, attached please find a PDF file of the City of Dunedin's PowerPoint presentation regarding Docket Number 20170215-EU.

Sincerely,



Jennifer K. Bramley
Dunedin City Manager

cc: File

PSC Hearing

*Review of Electrical Utility Hurricane Preparedness
and Restoration Actions*

Docket No. 20170215 - EU

May 3, 2018



Vegetation Management

- Implement ANSI A-300 pruning standards
- Work with local arborists to remove problem trees in lieu of
 - Topping trees
 - One-sided trees leading to instability
 - Rapid sucker growth magnifies problem and recurring trimming
- Provide adequate notice and detail to City on locations, schedule and scope of work before arriving
 - Notice not always given and trucks arrive unannounced
 - Debris is left behind resulting in telephone complaints
 - Need a real-time contact person for referrals of questions
 - City can provide public notice via website, social media, etc.

Vegetation Management

- Provide educational brochures for distribution in utility bills, at Arbor Day events and nurseries on correct tree planting guidelines
- Consider a tree removal mandate on egregious property owners who cause recurring outages
- Relocate rear lot overhead systems for easier access and vegetative management
- Consider establishment of a statewide tree bank to fund removal of problematic vegetation
 - Utility bill surcharge on customer billing statement
 - State-designated funding program
 - Special assessments

Vegetation Management

- Create a professional committee of local utility and municipal pruning supervisors at the county level
 - Open communication and dialog between public/private parties
 - Share best practices
 - Free exchange of outage frequency and duration data by location and cause
 - Jointly identify problem locations
 - Jointly prioritize addressing of problem locations

Undergrounding

- Develop a peer review report on underground vs overhead infrastructure costs, pros/cons, etc. in hurricane-prone areas for policymaker decision-making
 - Initial outlays vs lifecycle costs
 - Repetitive tree trimming expenses
 - Cost of vulnerability
 - Business losses
 - Insurance claims
 - Public safety
 - Security
- Establish a metric or threshold, when exceeded, requires outage-prone areas to be undergrounded
- Underground problematic overhead lines

Undergrounding

- Require undergrounding of electrical utilities in new construction
- Adopt a statewide model ordinance for undergrounding electrical facilities in new construction which is supported by the Florida League of Cities and the utility industry

Coordination & Communication

- Duke has been responsive to the coordination and prioritization of critical infrastructure restoration as an advanced planning exercise yet.....
- Concerns remain on the duration of outages
 - Public health and safety concerns
 - Environmental concerns - Illicit discharges of sanitary sewer
- Concerns remain on communication during power outages
 - Duke's outage software was overwhelmed
 - Mutual aid responders had a difficult time communicating with Duke Energy from the field delaying "all clear" notifications for downed power lines delaying recovery operations

Coordination & Communication

- Pre-Event Communication
 - Identify emergency contacts for elected officials
 - Opportunities or offers for embedding of Duke staff at City facilities or EOC
 - Develop pre-packaged public information or public service announcements for use by municipal communications department outlets



Coordination & Communication

- During Event Communication
 - Predetermined procedures call for direct communications with the County EOC for centralized command and control
 - The aforementioned procedure required the City to go through the County to communicate with Duke Energy
 - Given the short duration of these events it is not unreasonable to defer to the County for coordination of electrical service inquiries

Coordination & Communication

- Post-Event Communications
- Unable to get timely confirmation of cleared lines
- Telephone calls to account executives and public sector liaisons were not returned or their phone message centers were full and not accepting new messages
- Need direct access to Duke (to report critical outages or deviations from pre-planned restoration activities) to expedite service restoration

Closing Comments

- Duke had an extensive challenge with Hurricane Irma
- Duke met the challenge with determination and commitment
- Dunedin seeks to develop a greater and more meaningful partnership with Duke going forward
- Dunedin seeks to learn from the experiences of others and from the findings of the PSC in these deliberations
- Instituting industry best practices, coupled with investments of meaningful capital into robust & hardened infrastructure, will ultimately improve everyone's resiliency