

Dominion Energy Allowable Ex Parte Communication Briefing

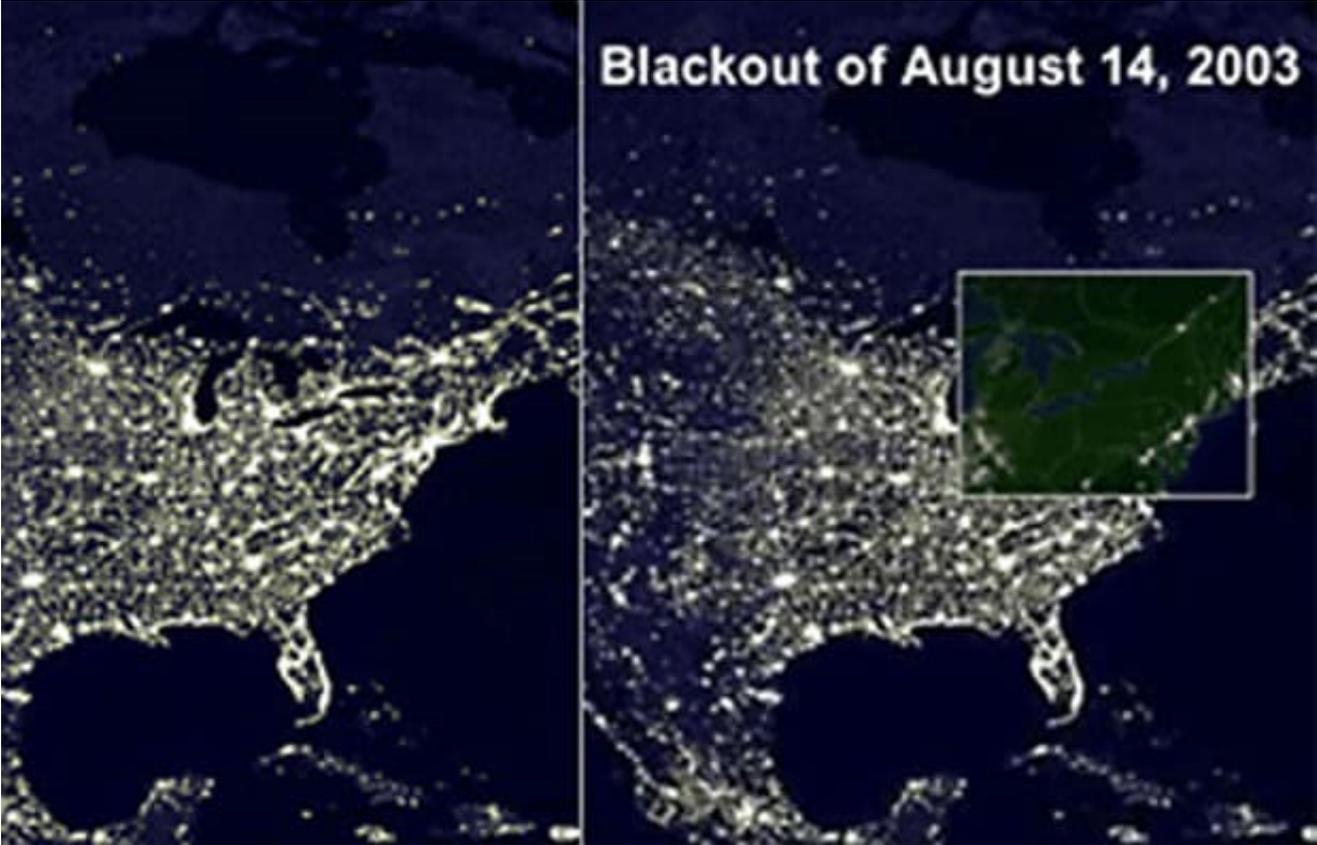
April 4, 2019

Mark Branham
Keller Kissam



Dominion
Energy®

Northeast Blackout



Hurricane Sandy

With this in mind, a common reaction to outages caused by hurricanes is often to call for burying distribution lines underground. Although underground distribution lines are immune to the effects of wind, undergrounding has drawbacks. In addition to the high cost, underground distribution lines are especially vulnerable to flooding. Thus, when a hurricane like Sandy causes significant flooding, underground distribution systems can suffer extensive damage. In Lower Manhattan, for example, some underground transformers flooded with corrosive sea water, rendering them nonfunctional. This was only aggravated by the fact that Hurricane Sandy made landfall at high tide, causing its particularly destructive storm surge, and resulting in even more significant flooding.

Reference - Heritage Foundation Homeland Security
“After Hurricane Sandy: Time to Learn and Implement the Lessons in Preparedness, Response, and Resilience”

Statement on Coral Gables Power Restoration – Hurricane Irma

September 19, 2017

We understand that it's extremely frustrating for our customers to be without power. That said, frivolous lawsuits and ludicrous code violations that attempt to pressure us into providing preferential treatment for their City will not work. Our focus is on restoring power to all of our customers, and we will not be moved by self-entitled politicians who are looking for someone to blame for the City's irresponsibly managed tree program. The fact is the city of Coral Gables has for many years resisted FPL's well-documented efforts to trim trees and harden our electric system. Unfortunately for our customers in that area, they are now paying the price in terms of extended outages due to hundreds of trees that have fallen into our lines...

More importantly, it threatens the safety of the residents of Coral Gables and the lives of the lineworkers who are trying to restore power...

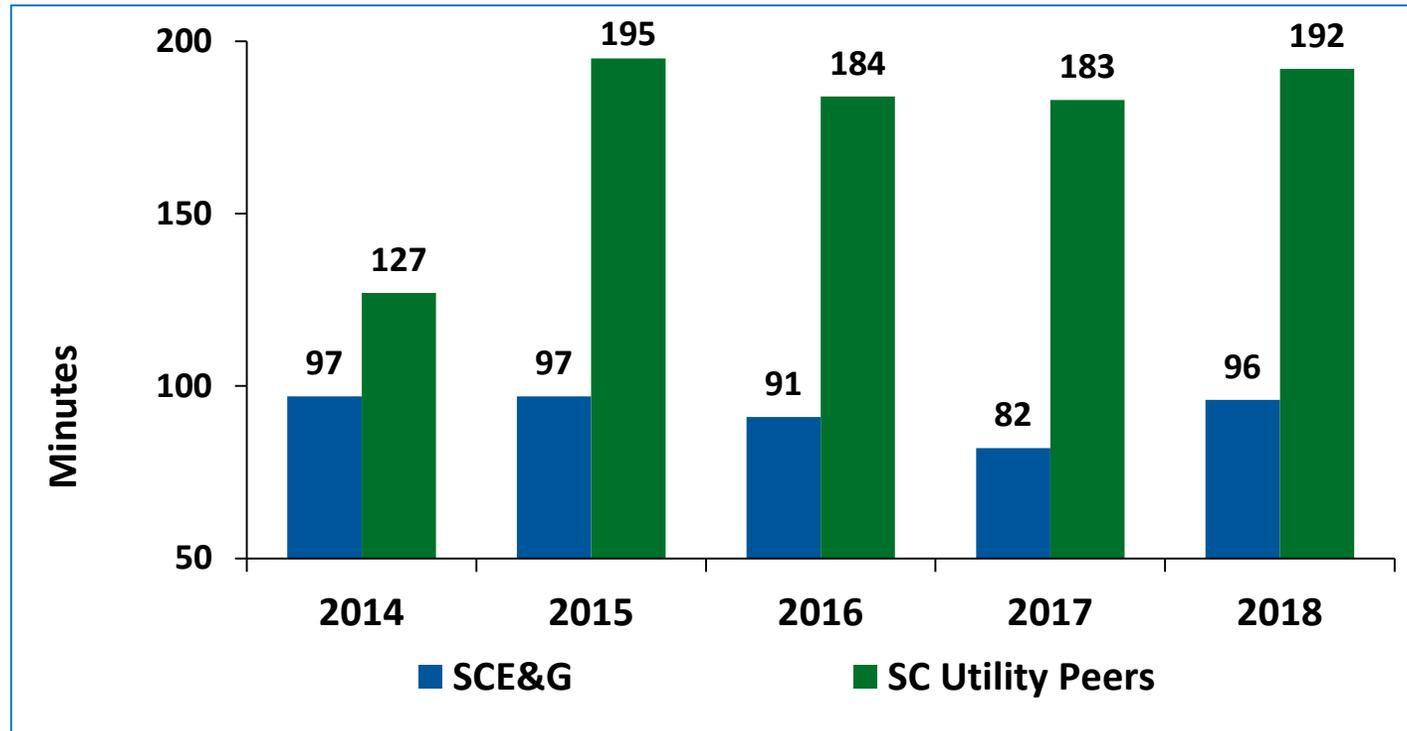
We have restored 97 percent of Miami-Dade, and thousands of crews are working to restore the remaining customers without power. After restoration is complete, FPL would be happy to work with the City constructively and provide them recommendations on how to avoid some of these problems from reoccurring during severe weather in the future. However, it is important to note, that numerous attempts we've made in the past to address the impact of the City's dense, overgrown vegetation and tree canopy has on the reliability of their residents' electric service has been ignored.

Judge proposes tighter tree-trimming oversight for PG&E

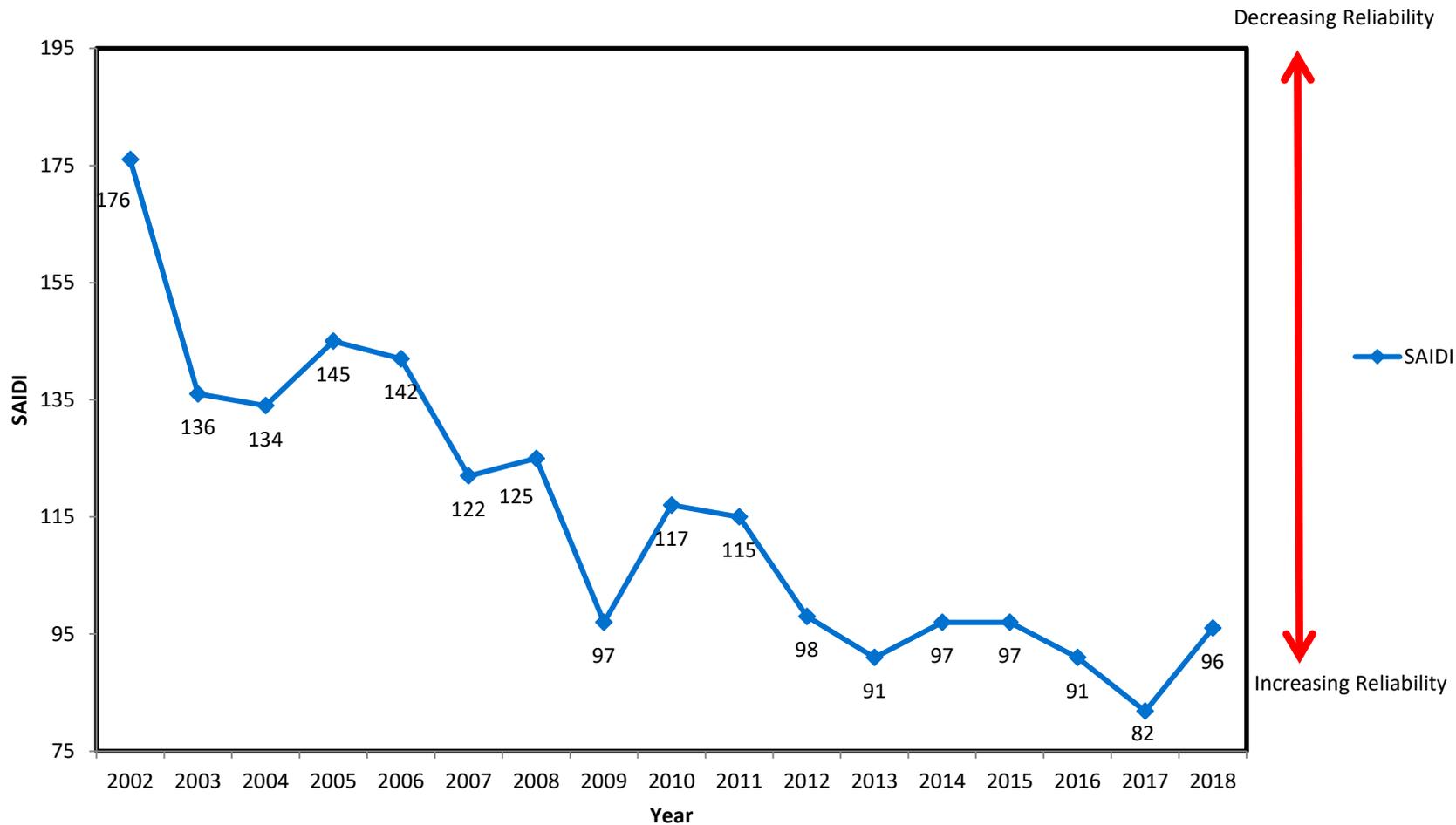
San Francisco Chronicle March 6, 2019

Electric System Reliability (SAIDI)

System Average Interruption Duration Index (SAIDI) represents the average number of minutes that a customer is without power on the electrical system.



System Reliability 2002 - 2018



Resiliency

<u>Year</u>	<u>Storm</u>	<u>Outages</u>	<u>Restoration (Days)</u>
2014	Winter Storm Pax	151,000	5 days
2016	Hurricane Matthew	290,000	6 days
2017	Hurricane Irma	155,000	4 days
2018	Hurricane Michael	72,000	1 day

Boundary Lane, Aiken, SC Winter Storm Pax





Winter Storm Pax February 2014 | SCEG.com ©2014

General Terms & Conditions of Electric Service

The Customer, in requesting or accepting service, thereby grants the Company without charge necessary rights-of-way and trimming and clearing privileges for its facilities along, across, and under property controlled by the Customer to the extent that such rights-of-way and trimming and clearing privileges for its facilities along, across, and under property controlled by the Customer are required, necessary or convenient to enable Company to supply service to the Customer and the Customer also grants the Company the right to continue to extend the Company's facilities on, across, or under property controlled by the customer with necessary trimming and clearing rights to serve other Customers.





Certification Foresters/Arborists Dominion Energy South Carolina

- Bachelor of Science Degree - Forest Resource Management
Clemson and N.C. State
- Board of Registration for Foresters
S.C. Department of Labor, Licensing, and Regulation
- International Society of Arboriculture
Certified Arborist
- South Carolina Commercial Certified Pesticide Applicator License

Distribution Line Clearing Specifications

- Minimum of 10' clearance to side from outermost primary conductor
- Minimum of 20' clearance above highest primary conductor
- Minimum of 10' clearance below bottom most primary conductor or 4' below neutral
- Service lines cleared for abrasion
- Certain conditions exist that preclude these clearances such as significant size parent limbs/leaders and large trunks that are located less than 10' from outermost primary conductor.

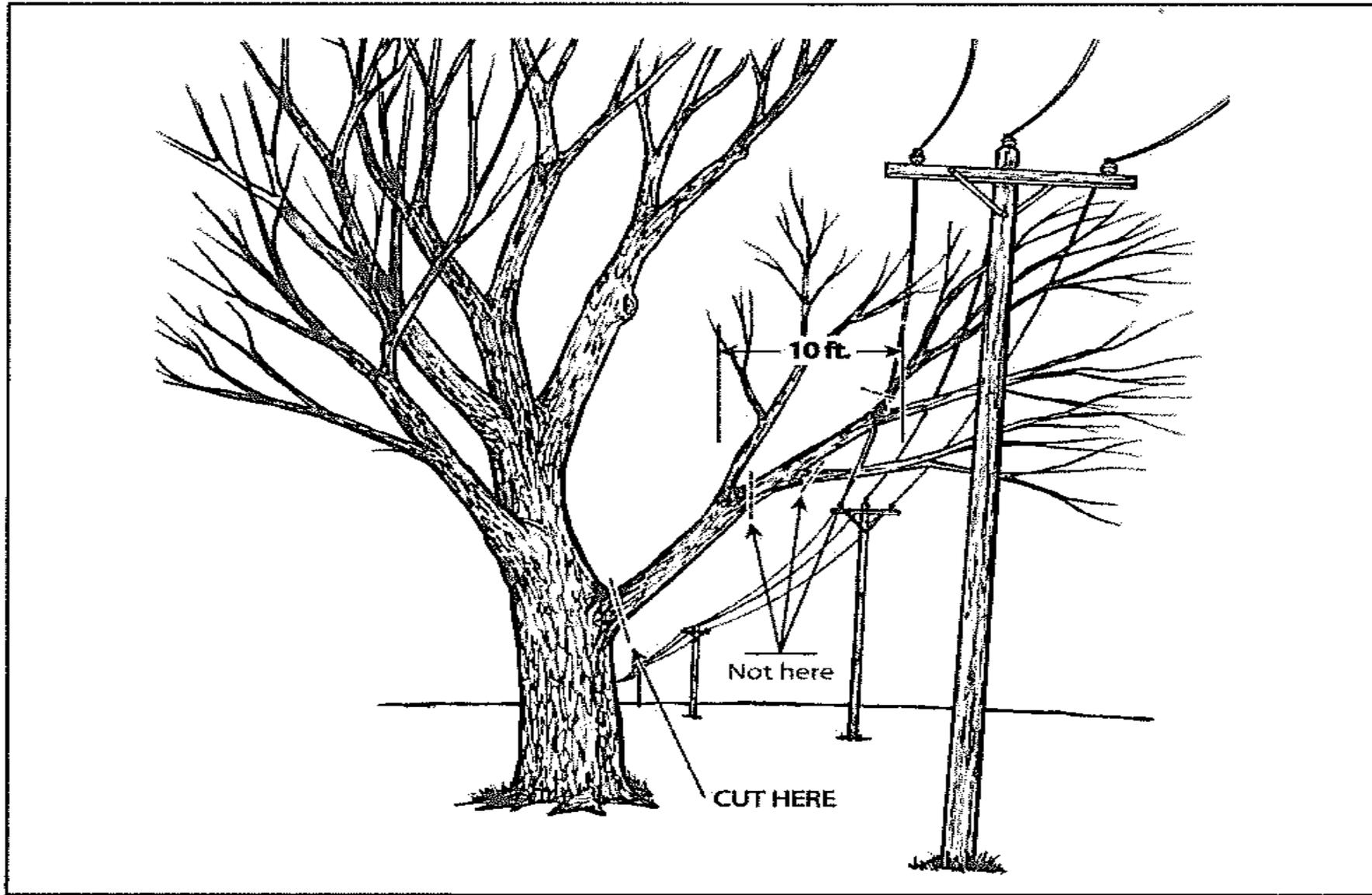


Figure 8. Remove whole branches when practical. When clearance distances are specified (for example, 10 feet), the cut should be made at the next suitable lateral or parent limb beyond the specified distance.

Charleston Community Engagement

2017 Activities

- Held a Riverland Terrace Community Workshop to discuss needed upgrades to the primary distribution system in the neighborhood along with required tree trimming on 4/20/17.
- Met with City of Charleston to review 2018 annual trimming plans on 12/17/17.

2018 Activities

- Held a public workshop at Charles Towne Landing on 5/17/18 to review our 2018 tree trimming plans with residents, discuss proper pruning techniques and educate customers regarding safety around overhead lines.
- Met with the James Island Public Service District to review 2019 annual trimming plans on 12/4/18.
- Met with Town of James Island to review 2019 annual trimming plans on 12/10/18.
- Met with Charleston County to review 2019 annual trimming plans on 12/11/18.
- Met with the City of Charleston to review 2019 annual trimming plans on 12/11/18.

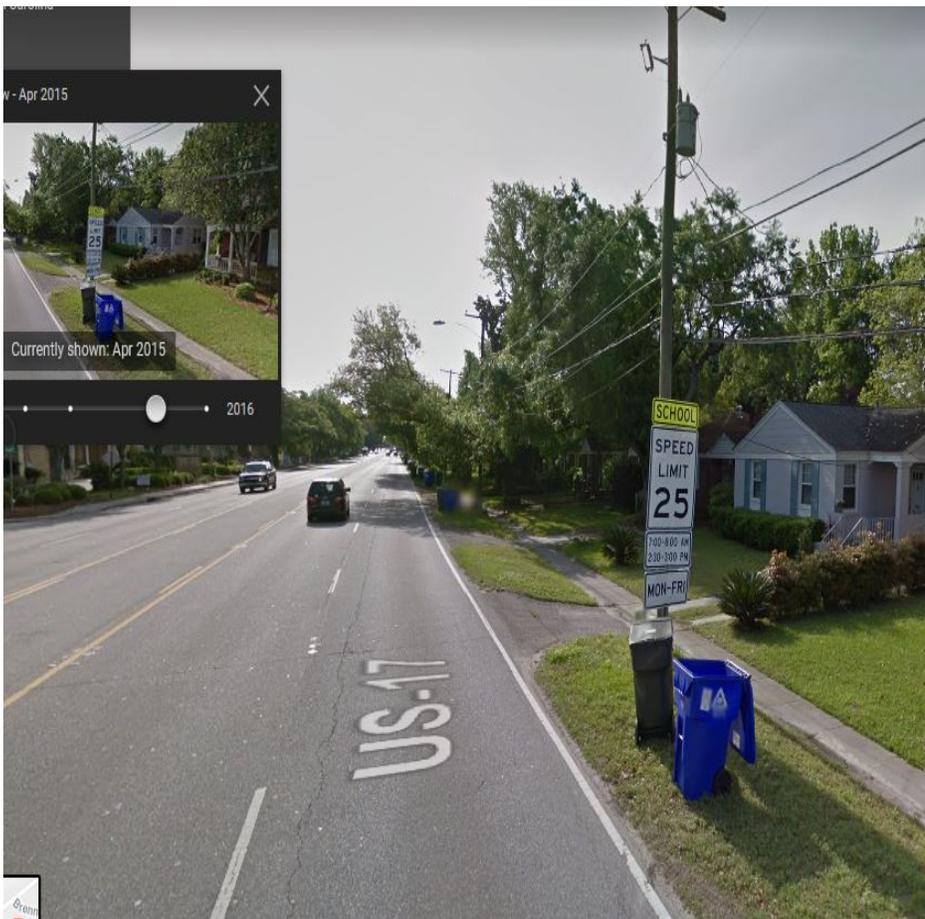
2019 Activities

- Held a public tree trimming demonstration on 1/14/19 within the City of Charleston that was well attended by both residents and municipal staff.
- Held a public workshop at the Town of James Island Municipal Building on 2/7/19 to review our 2019 tree trimming plans with residents, discuss proper pruning techniques, and educate customers regarding safety around overhead lines.



Figure 10. Directional pruning causes trees to assume different shapes depending on the location of utility facilities.

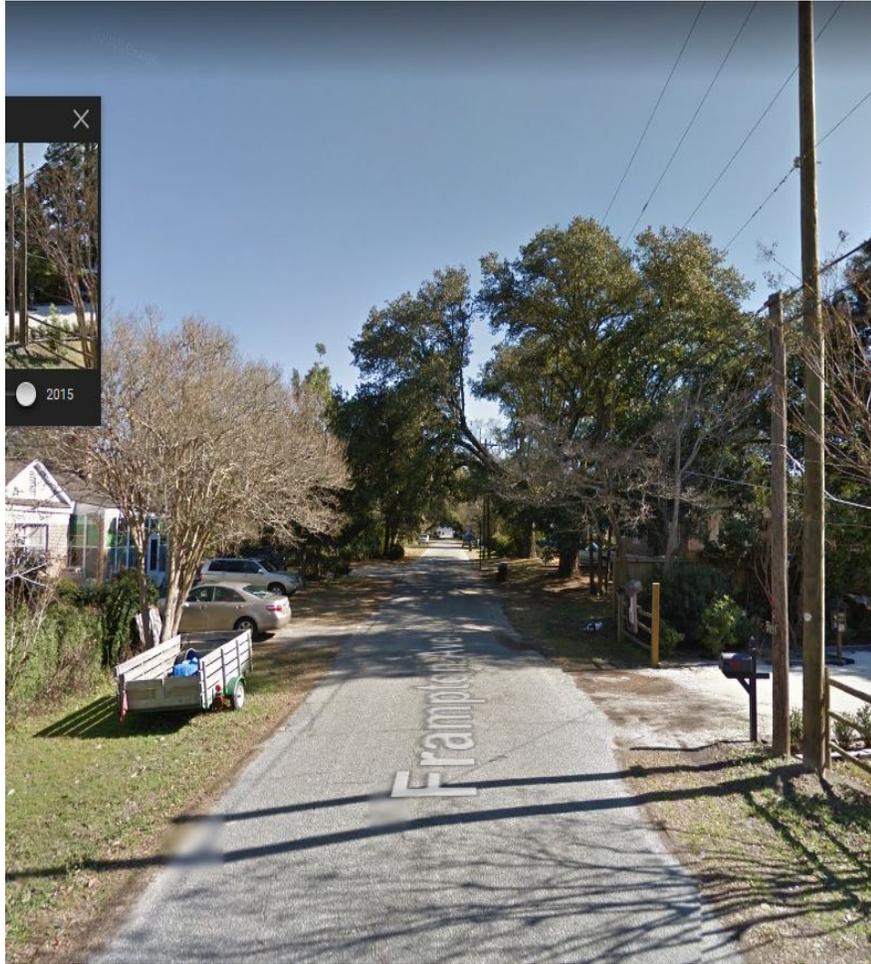
2015



Present



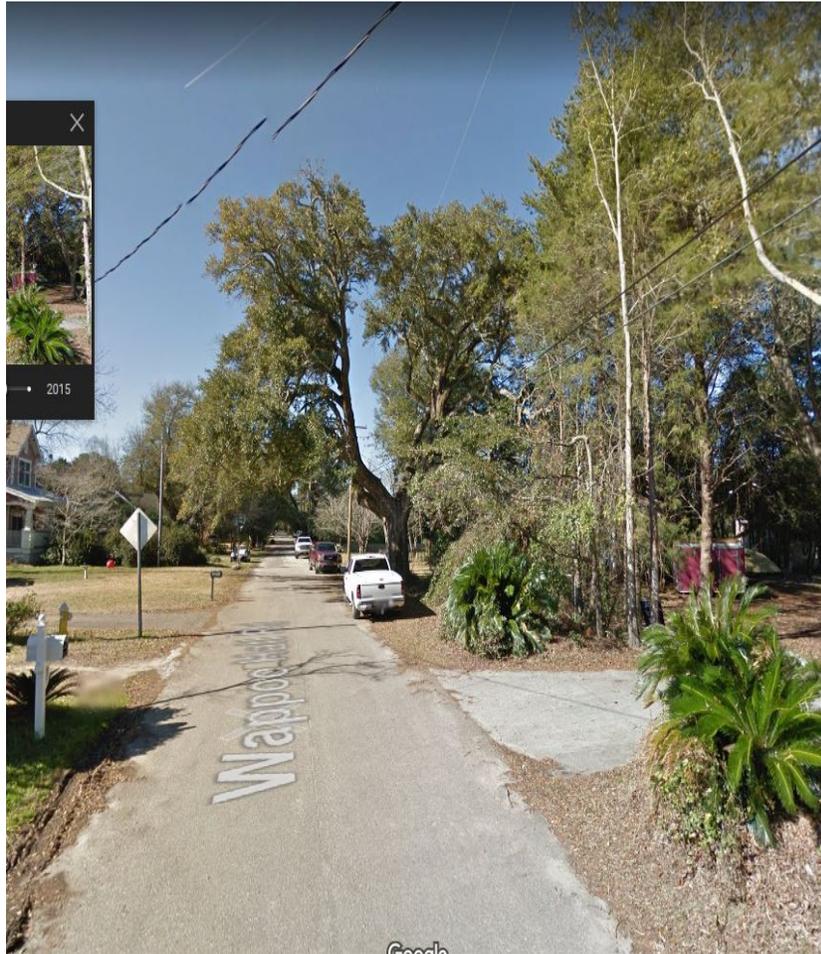
2015



Present

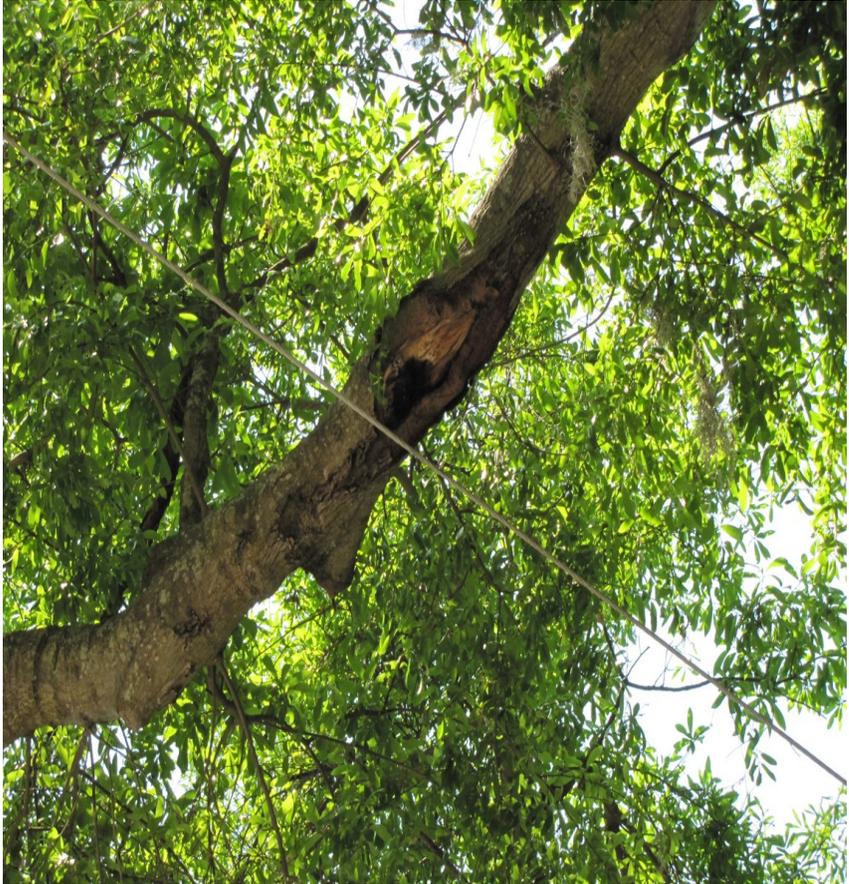


2015



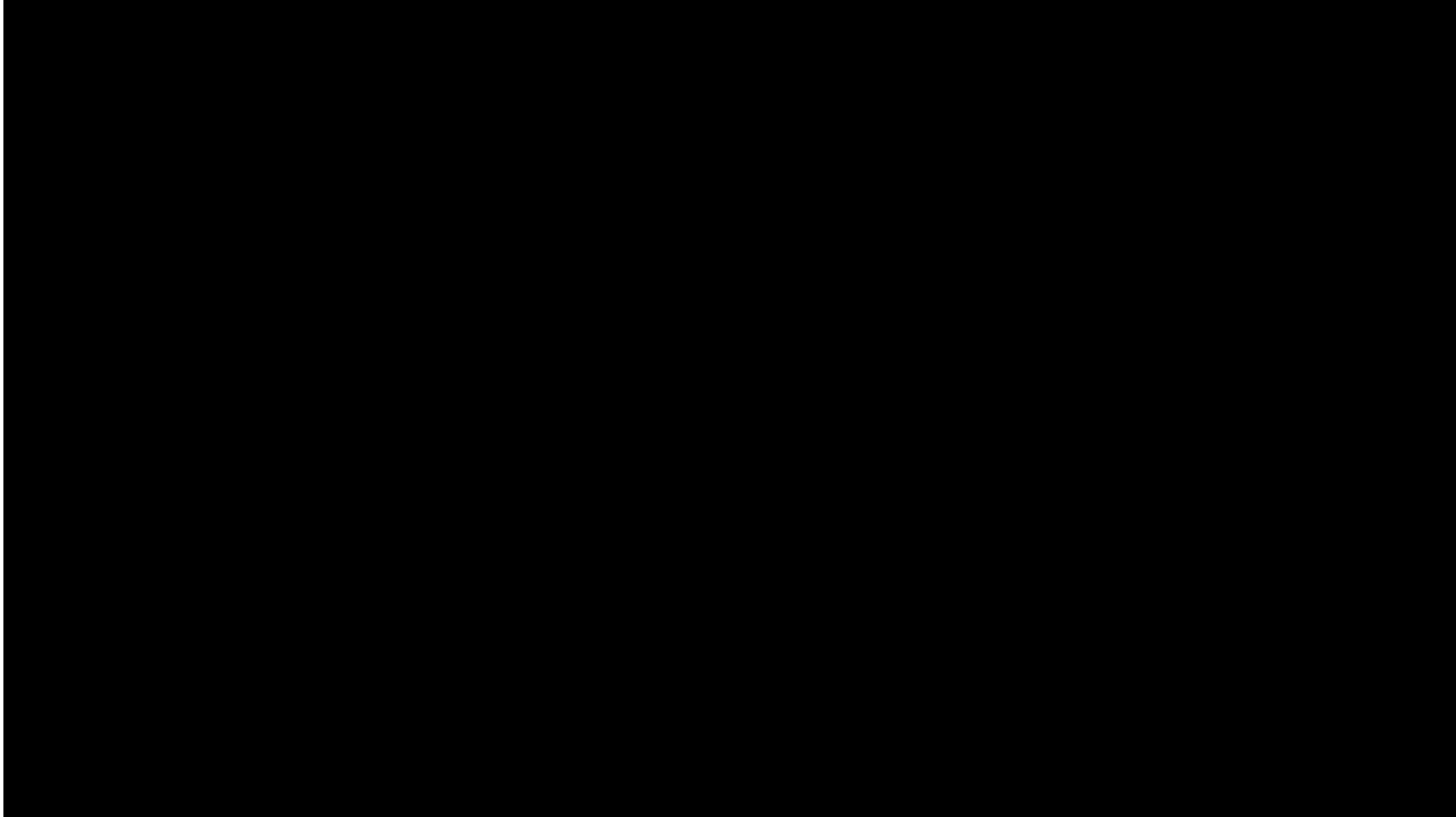
Present





Use the following link to view video shown during this presentation. An optional link is provided as a part of the DMS posting in this matter.

<https://www.youtube.com/watch?v=wmDjY9BPuUM&feature=youtu.be>



Boundary Street, Beaufort, SC



References

<https://www.heritage.org/homeland-security/report/after-hurricane-sandy-time-learn-and-implement-the-lessons-preparedness>

<http://newsroom.fpl.com/featured-stories?item=30927>

<https://www.sfchronicle.com/business/article/Judge-proposes-tighter-tree-trimming-oversight-13667306.php>