



AGENDA
CITY OF LAKE WORTH BEACH
ELECTRIC UTILITY CITY COMMISSION MEETING - ADDITION
CITY HALL COMMISSION CHAMBER
TUESDAY, APRIL 27, 2021 - 6:00 PM

PRESENTATIONS: (there is no public comment on Presentation items)

A. [Discussion of recent outages](#)

If a person decides to appeal any decision made by the board, agency or commission with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. (F.S. 286.0105)



Recent Outage Events & Causes
April 27th , 2021
Ed Liberty, Electric Utility Director

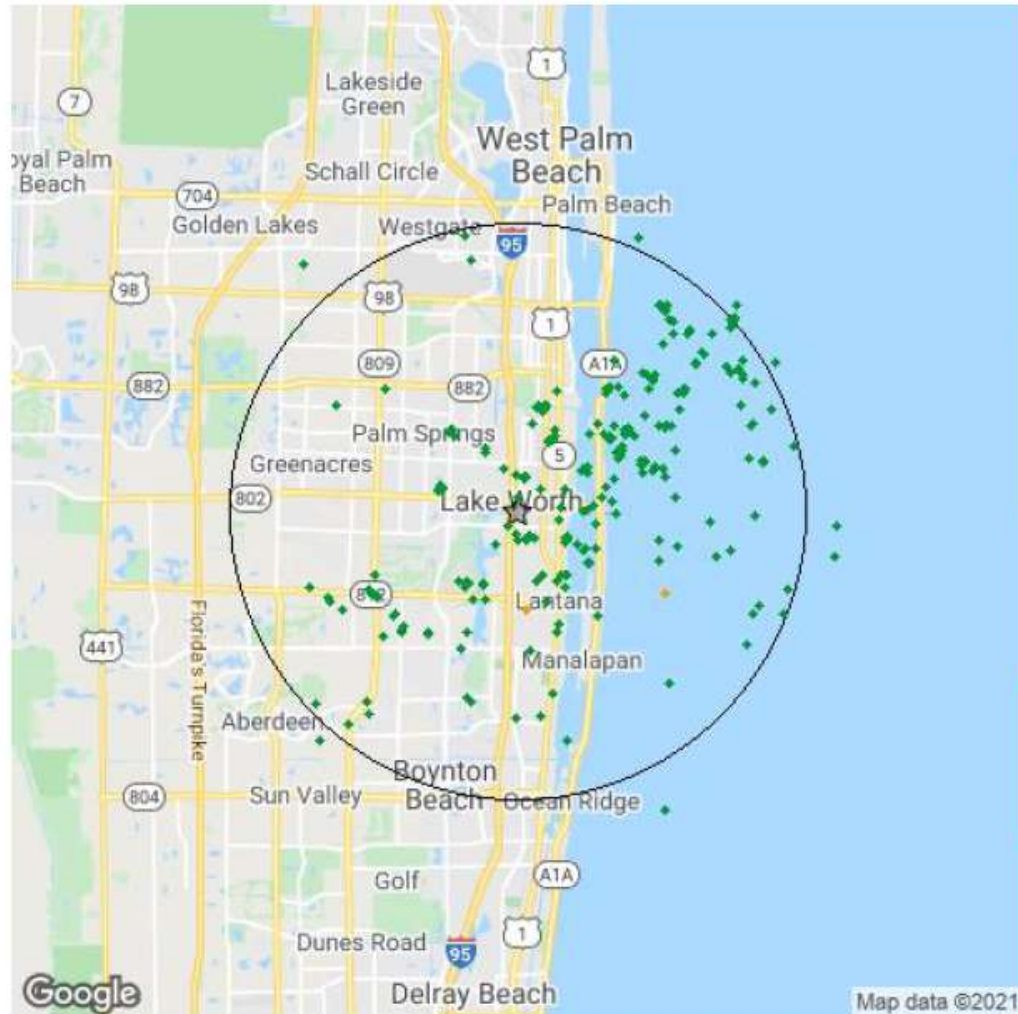
Outage Summary

- 4/13/2021 15th South Substation 1,956 customers 1 hour 18 minutes
 ✓ Iguana on substation Transformer Lightning Arrester
- 4/17/2021 Canal Substation 5,758 customer 29 minutes
 ✓ Parakeet w/Twig; 6003 breaker bushing
- 4/19/2021 26B1E09 1,642 customers 47 minutes
 ✓ Lightning Lockout; visually inspected
- 4/19/2021 26R1801 476 customers 49 minutes
 ✓ Lightning Lockout – visually inspected
- 4/19/2021 26B1E03 5,851 customers 28 minutes
 ✓ Switch Failure – Possible lightning*
- 4/20/2021 26B5003 2,823 customers 57 minutes
 ✓ Vegetation – Customer Bamboo
- 4/25/2021 26B1W05 4,630 customers 1 hour 4 minutes
 ✓ Switch Failure*

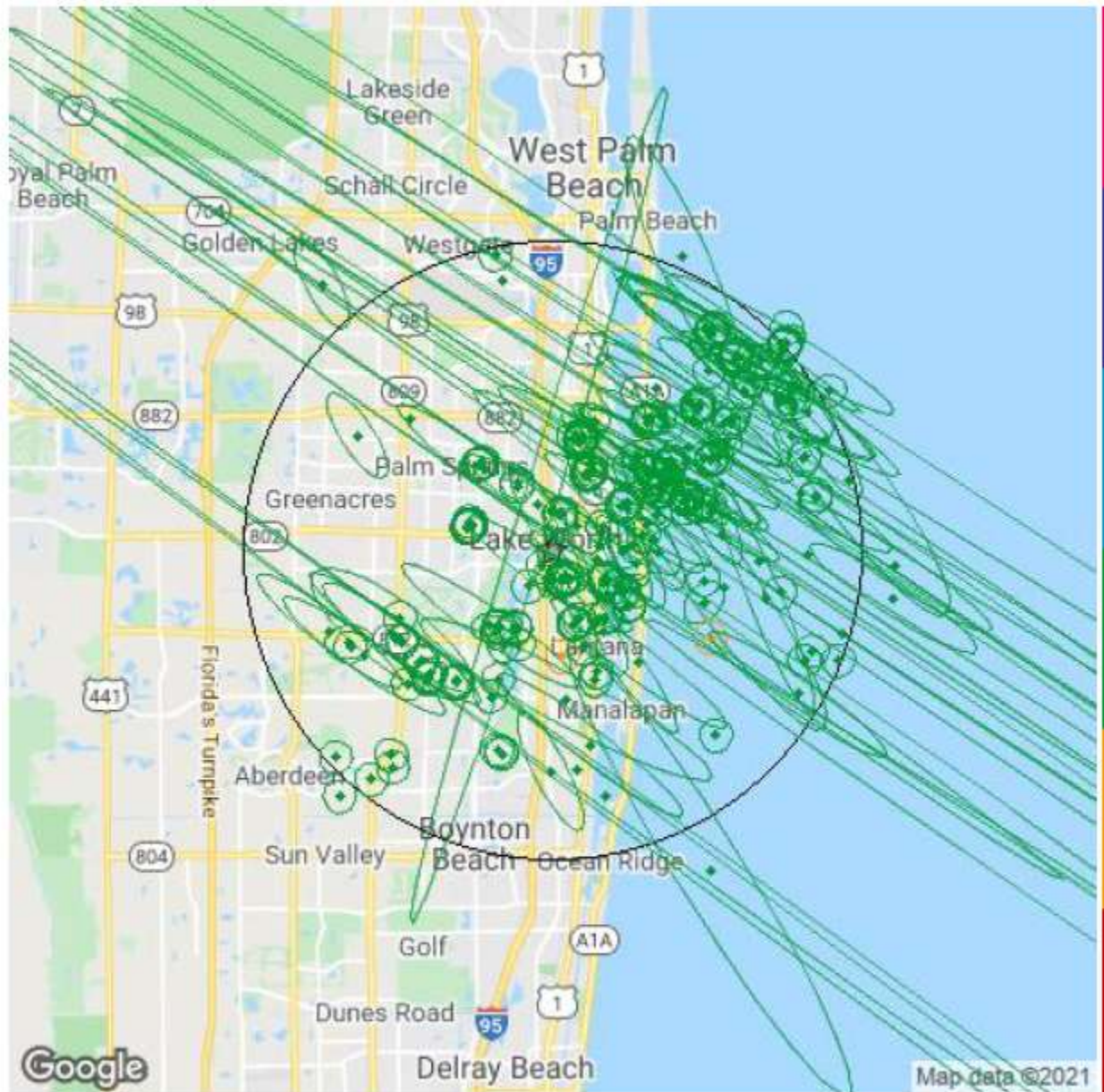
*26B1E03 Switch Failure – Inspected via Delta Electrical / Mechanical Infrared Imaging on 7/16/2020 found heating, repaired on 12/9/2021 by L.E. Meyers “Cleaned connection, added No-OX, Tightened bolt on hinge”.

*26B1W05 Switch Failure – Inspected via Delta Electrical / Mechanical Infrared Imaging on 7/16/2020 and no issues were identified.

STRIKENet verified the presence of 282 cloud-to-ground lightning strokes detected within 6 miles of the property for the dates inquired.



Confidence Ellipses For Lightning Strokes



4/28/2021

Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.

Bamboo Contact with Power Lines



Bird-Borne Twig Damage



End.....Questions

