



**Recent Outage Events & Causes**  
**April 27<sup>th</sup> , 2021**  
**Ed Liberty, Electric Utility Director**

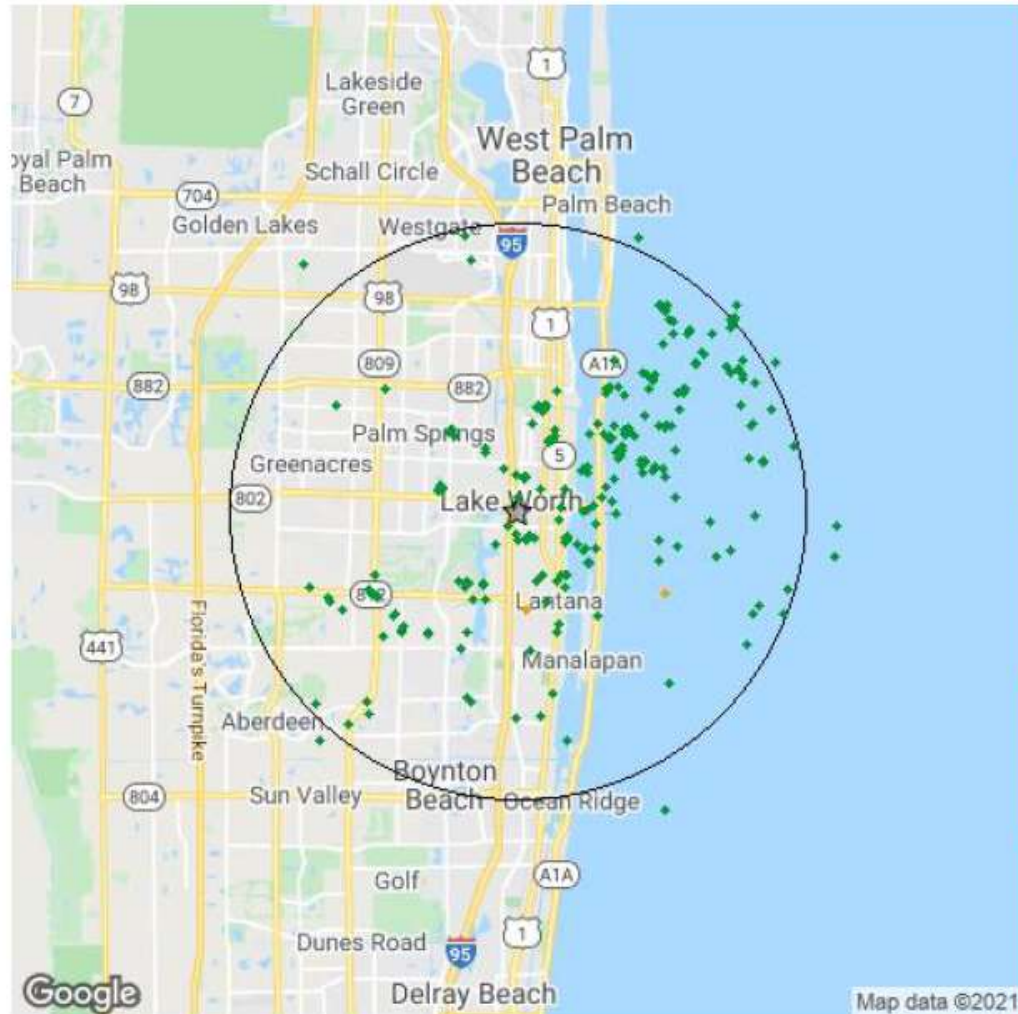
# Outage Summary

- 4/13/2021            15<sup>th</sup> 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\*

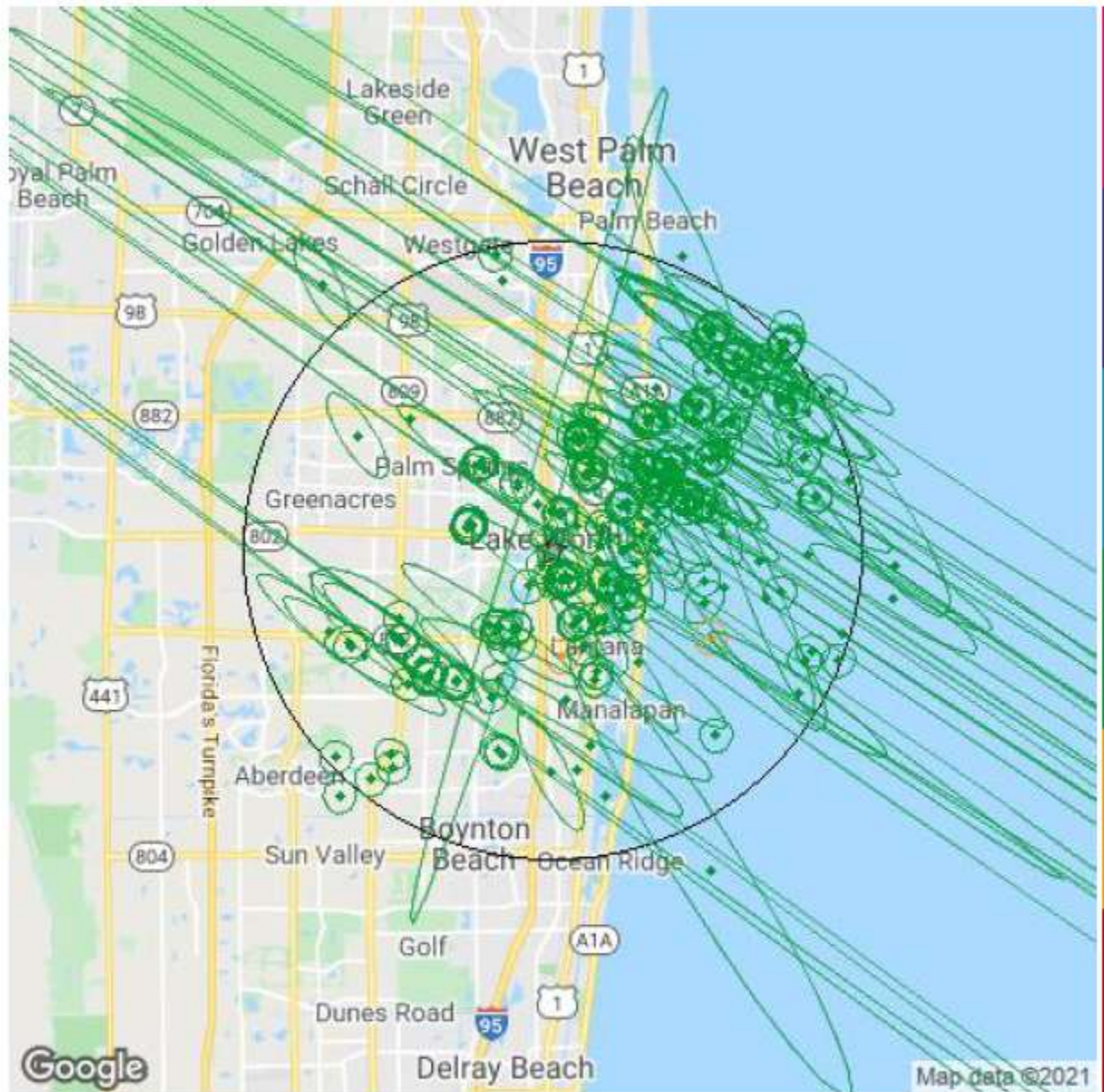
\*26B1E03 Switch Failure – Inspected via Delta Electrical / Mechanical Infrared Imaging on 7/16/2020 found heating, repaired on 12/9/2021 by L.E. Meyers “Cleaned connection, added No-OX, Tightened bolt on hinge”.

\*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



# Bamboo Contact with Power Lines



# Bird-Borne Twig Damage



End.....Questions

