

### **Filing Receipt**

Filing Date - 2024-10-04 08:03:03 AM

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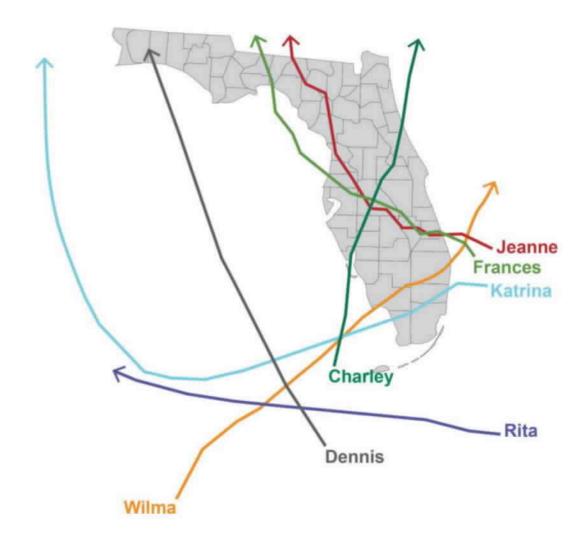
An Case Study of Florida Power and Light

## 2004 and 2005 Florida Hurricane Seasons

#### Seven named storms in two years!

- Hurricane Charley (Cat 4, Aug. 13, 2004)
- Hurricane Frances (Cat 2, Sep. 4, 2004)
- Hurricane Jeanne (Cat 3, Sep. 26, 2004)
- Hurricane Dennis (Cat 3, Jul. 10, 2005)
- Hurricane Katrina (Cat 1, Aug. 25, 2005)
- Hurricane Rita (Cat 1, Sep. 20, 2005)
- Hurricane Wilma (Cat 3, Oct. 24, 2005)





# **Resiliency Efforts**

#### **Storm Secure Program**

(2006-Present)





Storm Follow-Up



Hardening



Pole Inspections



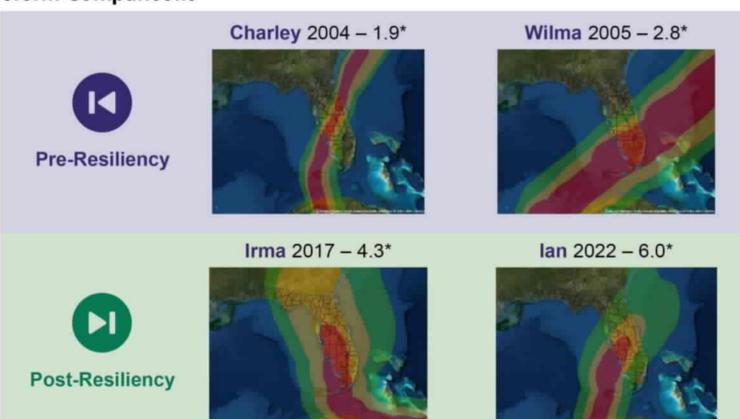
**Vegatation Management** 

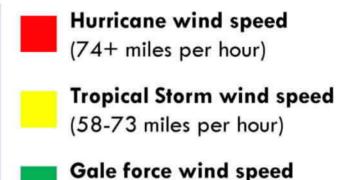


**Underground Conversions** 

## **Enhance System Performance**

#### Storm Comparisons

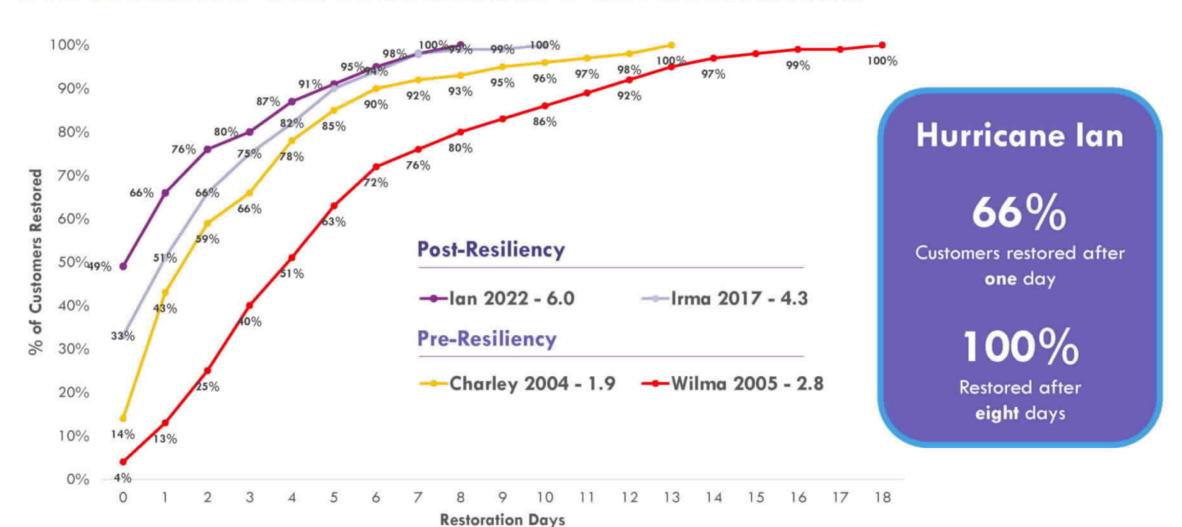




(39-57 miles per hour)

# \* Please note: Cyclone Damage Potential Index = force of wind, radius of wind field, and duration of winds expected; The higher the number, the higher the intensity of the storm.

## **Hurricane Restoration Performance**



# Storm Comparison Results

Performance Metrics	Charley	Wilma	Irma	lon
Avg. days out per customer	3.5	5.4	2.1	1.5
Days to restore	13	18	10	8
50% of customers restored	3 days	5 days	1 day	1 day
75% of customers restored	5 days	8 days	3 days	2 days
95% of customers restored	10 days	15 days	7 days	6 days
Distribution poles damaged	6,900	12,400	4,700	3,200
Transmission structures failed	75	100	5	0
Smart grid customer interruptions avoided	0	0	546,000	404,000
Days to energize all substations	2 days	5 days	1 day	1 day <sup>(1)</sup>

<sup>(1)</sup> One flooded station took four days to restore (fed one industrial customer)