

# Our Process



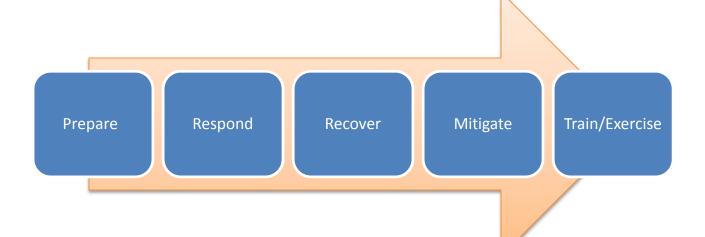
#### **Video Distribution**

- Gru.com
- Social media
- TV12
- Email Campaign



### **Our Process**

- Safety First
- National Incident Management System (NIMS)
- Incident Command System (ICS)





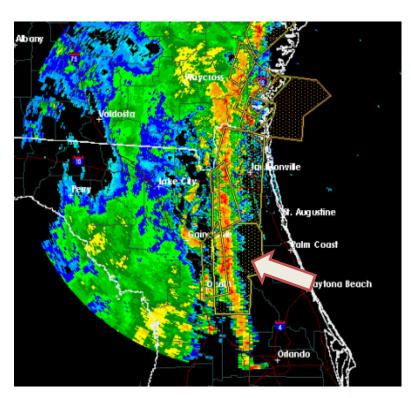
Countdown to Impact











Monday, April 15, 2018 5 customer interruptions

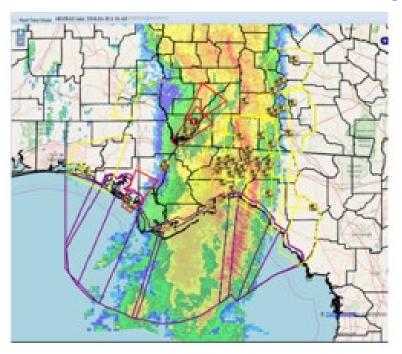


Friday, April 19, 2019 39,000 customer interruptions

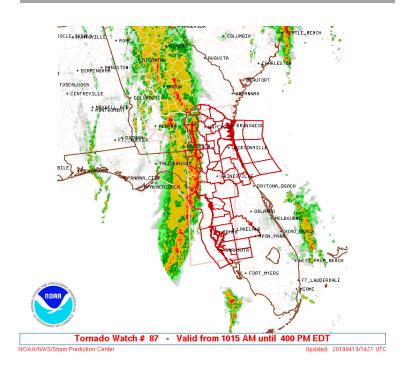


April 15, 2018 "... Squall line moved eastward ... producing numerous damaging wind reports and two tornadoes."

Tornadoes Track Across the Florida Panhandle and Southwest Georgia



April 19, 2019 "... A broken squall will likely persist into the afternoon while moving eastward ... embedded supercells will pose a treat for a couple of tornadoes and damaging gusts."



### April 15, 2018 - Gainesville

#### **Wind Speeds**

2:01 PM	68°F	65°F	90 %	W
2:06 PM	67 ° F	63°F	87 %	W

23 mph	32 mph	29.7 in	0.0 in
16 mph	33 mph	29.7 in	0.0 in

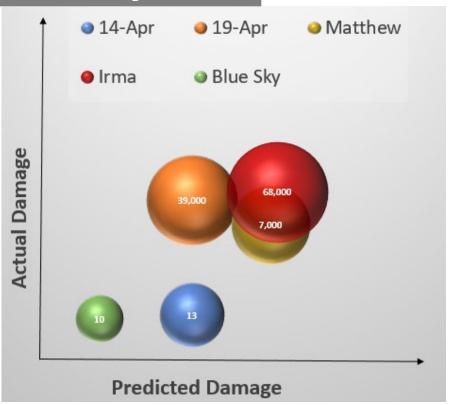
### April 19, 2019 - Gainesville

7:44 AM	72 ° F	64 ° F	76 %	WSW
7:53 AM	69°F	63 ° F	81 %	WSW
7:56 AM	69 ° F	63 ° F	81 %	WSW
8:07 AM	68 ° F	63 ° F	84 %	SW

35 mph	53 mph
32 mph	47 mph
28 mph	47 mph
22 mph	36 mph

29.6 in	0.0 in
29.6 in	0.0 in
29.6 in	0.0 in
29.6 in	0.4 in

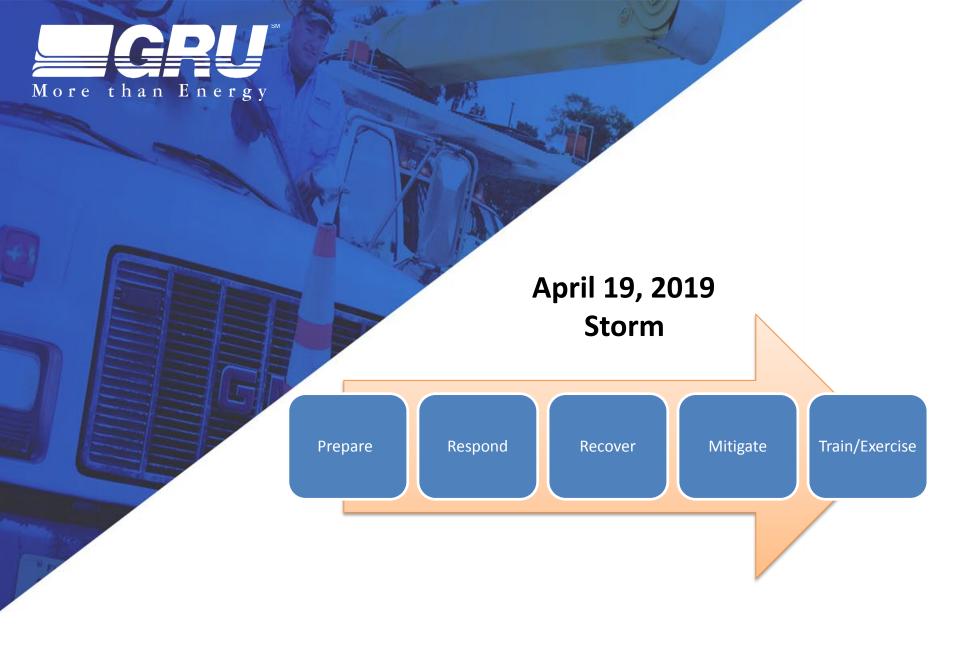
### Scalability of ICS



 Inherently difficult to predict and forecast certain storms

- Hurricane
- Tornado
- Lightning
- Afternoon thunderstorms

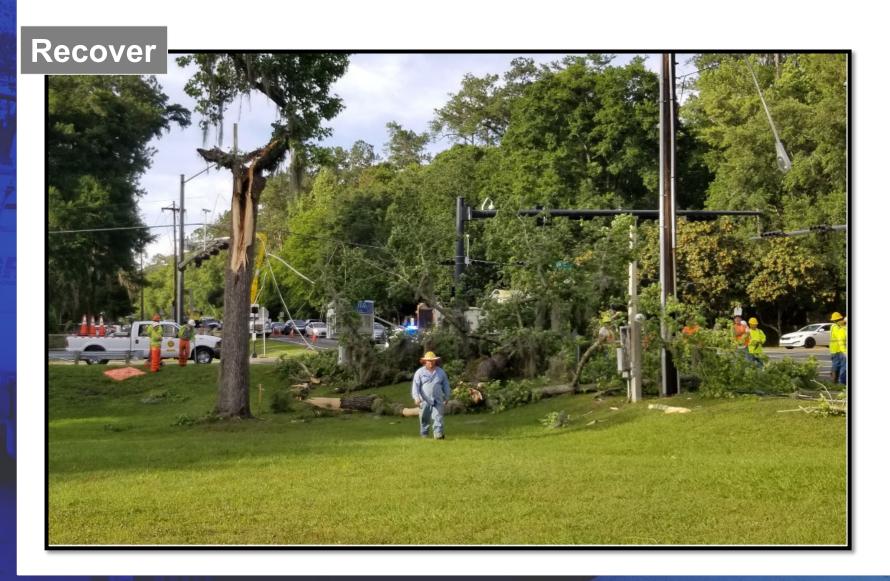






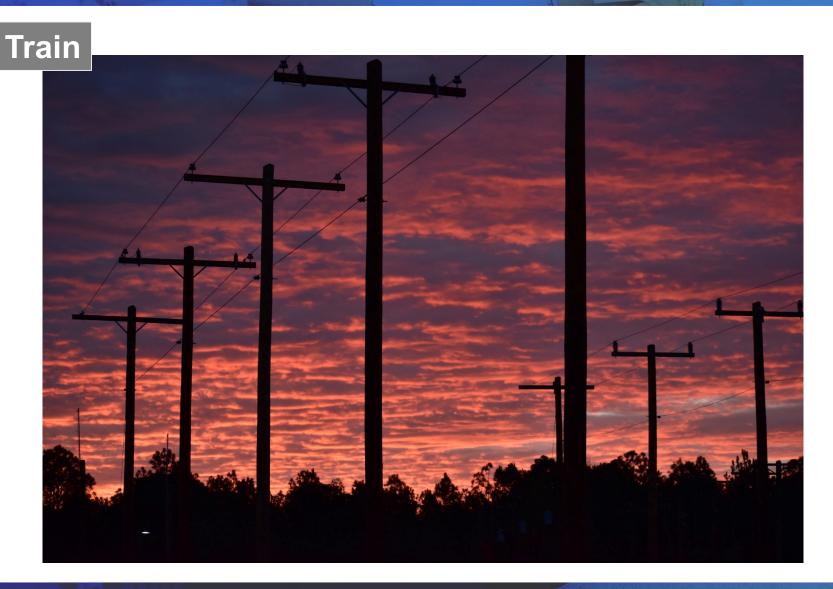












### Friday, April 19, 2019 - Storm Notes

- 2 Transmission Line Outages
- ~39,000 (40%) customer interruptions (majority vegetation-related)
- ICS Gray Sky roles activated
- Mutual aid assistance requested and received
- ~32,000 customers restored within 8 hours
- By Sunday evening, 100% of power restored



#### **Lessons Learned (what went well)**

- Restored ~32,000 customers quickly
- Mutual aid called on time
- No major injuries; use of Personal Protective Equipment (PPE)
- Coordination/accommodations for hotels for mutual aid
- Employees stepped up and worked hard
- Utility Stores/Materials Unit well-trained and well-prepared for response



#### Lessons Learned (areas of improvement)

- Some employees lacked training on the new Outage Management System (OMS)
- Internal and external communication
- Consistent completion of ICS 214 Activity Log forms for FEMA reimbursement
- Continuing customer education



#### **Short-term Implementations**

- Expand customer education on system restoration and priorities
- Finish training of identified employees on the new OMS
- Continue vegetation management based on targeted approach
- Continue system hardening
- Continue employee training and exercises
- Establish new parameters for Social Media Advocacy Group



#### **Needed Long-term Implementation**

- Implement Smart Grid to integrate with the Smart City
  - Install Advanced Metering Infrastructure (AMI)
  - Deepen GRU's Distribution Automation program
- Continue targeted vegetation management
- Continue employee training and exercises



