

Orange & Rockland Climate Resilience Working Group

Public Service Law (PSL) § 66(29) – PSC Case 22-E-022

Kickoff Meeting

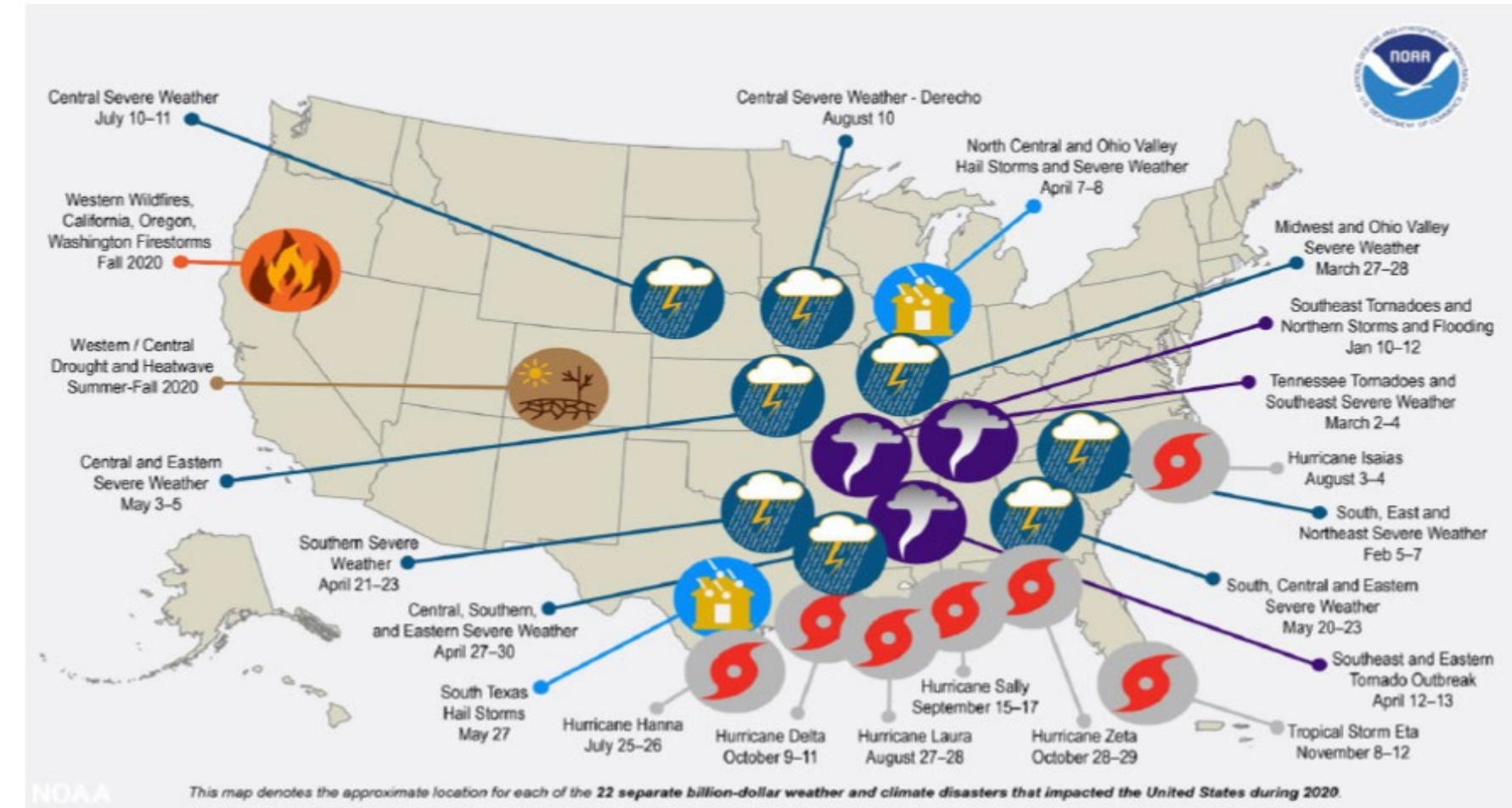
August 10, 2022

AGENDA

- Increase in Extreme Weather Events
- Paulin Law Legislation Discussion
- Climate Change Vulnerability Study (“CCVS”) – Describe the Study process
- Climate Change Resilience Plan (“CCRP”) – An output of the CCVS process
- Working Group Engagement Structure
- Timeline of Execution
- Stakeholder Input and Engagement
- Current Status & Next Steps

Increase in Extreme Weather Events

During the past five years, the U.S. faced intensifying weather conditions and resulting customer interruptions; 2020 was the hottest year on record, and the U.S. experienced multiple billion-dollar weather events.



Paulin Law Legislation

On March 22, 2022, New York State Public Service Law §66(29) went into effect. The Law is intended to facilitate electric utility planning and resilience measures to address anticipated future extreme weather.

- Orange & Rockland’s goal is to provide energy to our customers by leveraging our safe, reliable and resilient infrastructure.
 - Climate change is already altering patterns of energy demand and constraining some sources of energy supply, both by changing baseline averages and frequency and intensity of extreme events
 - Responses to climate-driven impacts will have to deal with an energy system that is becoming more reliant on renewables and distributed resources
- Electric companies to submit a **Climate Change Vulnerability Study (“CCVS”)** that will aim to identify climate change risk and incorporate it with our system design, planning and operations.
- Electric companies to submit a **Climate Change Resiliency Plan (“CCRP”)** that will identify projects that will need to be implemented in order to make our system more resilient to future extreme weather-related events.

Climate Change Vulnerability Study & Resilience Plan Process

Climate Change Vulnerability Study

- Evaluate Orange & Rockland’s infrastructure, design specs, and procedures to understand vulnerability to climate-driven risks
- Include adaptation measures to address vulnerability
- Study will be performed with supporting climate data from NYSERDA and Columbia University
- Due: September 2023

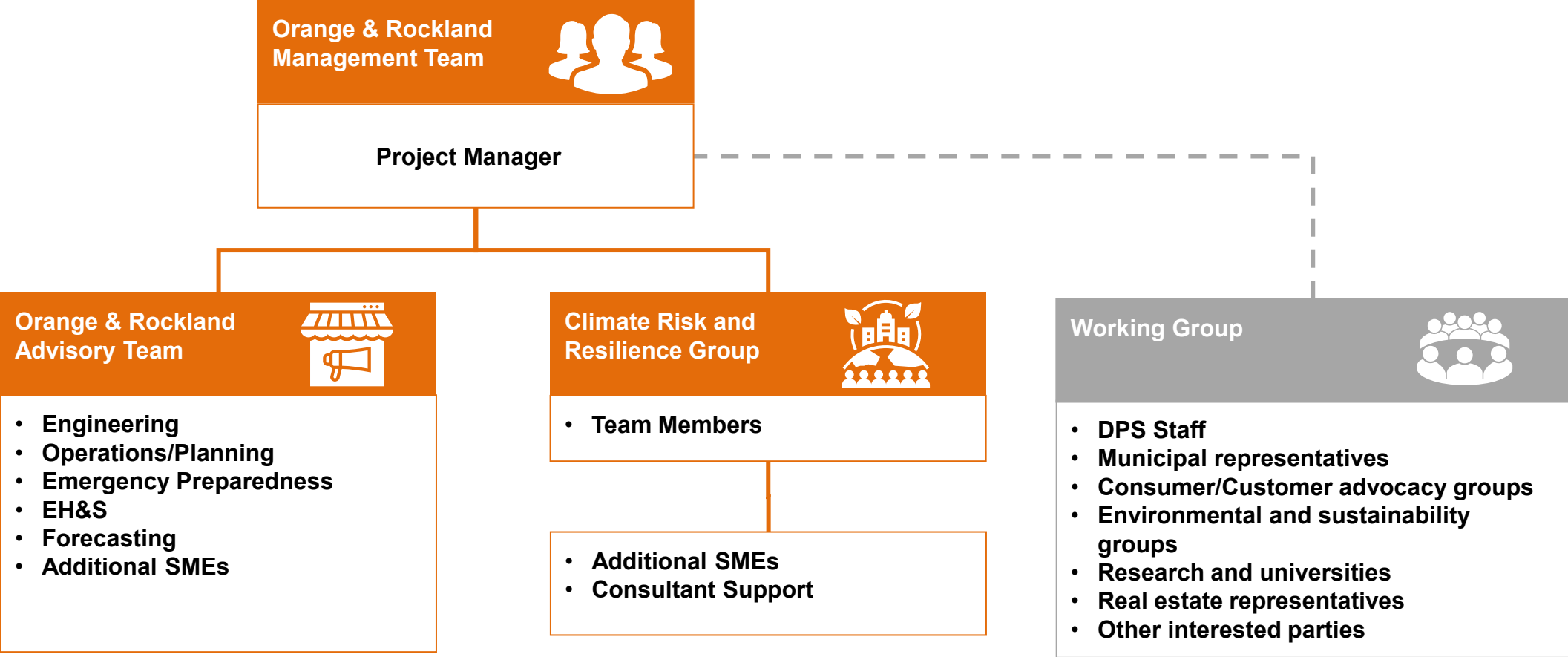
Climate Change Resilience Plan

- Propose hardening measures for the next 10 to 20 years
- Explain the systematic approach to achieve the objectives of mitigating the impacts of climate change to infrastructure, reducing restoration costs and outage times
- Detail how Orange & Rockland will incorporate climate change into planning, design, operations, and emergency response
- Detail how Orange & Rockland will manage climate change risk and resiliency, and minimize costs
- Due: November 2023

PSC Review & Approval

- Commission to hold a public hearing and approve or modify the plan within 11 months of submittal of CCRP

Engagement Structure with the Working Group



Orange & Rockland Climate Resilience Working Group

This is a list of the organizations, municipalities and elected officials in our service territory who are represented in the working group.

- New York State Department of Public Service
- Utility Intervention Unit
- Public Utility Law Project of New York, Inc.
- New York Power Authority
- Environmental Defense Fund
- Alliance for a Green Economy
- Aztech Geothermal
- New York Geothermal Energy Organization
- Local I.B.E.W. 503 Union
- New Yorkers for Cool Refrigerant Management
- Sustainable Warwick
- Bruce Levine
- Bob Wyman
- Ed Day – Rockland County Executive
- Steve Neuhaus – Orange County Executive
- George Hoehmann – Clarkstown Supervisor
- Dan Maloney –
Clarkstown Emergency Management Coordinator
- Mike Sweeton – Warwick Supervisor
- Bruce Tucker – Piermont Mayor
- Marshall Katz – Village of Wesley Hills Mayor
- Chris Kear – Rockland County Office of Emergency Management Director
- George Potanovic – Stony Point Action Committee for the Environment President
- Josh Potossek – Sullivan County Manager
- Stacey Vassallo – Lamont Doherty Senior Director of Development and Leadership Giving
- Sonia Cairo – Keep Rockland Beautiful Executive Director

Timeline of Execution

Timeline	2022						2023													
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Establish Stakeholder Working Group	████████████████																			
Receive and Validate Climate Data	████████████████████																			
Select Climate Change Pathway & Assess Risk					████████████████████															
Draft Climate Change Vulnerability Study (CCVS)							████████████████													
Identify Adaptation Options and Prepare CCVS										████████████████████████████										
Develop Climate Change Resilience Plan (CCRP)													████████████████████████████							
Stakeholder Engagement		★				★				★				★						

★ Stakeholder Working Group Meeting

Stakeholder Input and Engagement

Robust Stakeholder engagement is an important element to the success of CCVS and CCRP

Orange & Rockland will schedule and conduct working group meetings a minimum of twice annually around key milestones and/or decision points to:

- Periodically communicate with the stakeholders of Orange & Rockland's Study and Plan efforts and progress
 - Share available climate science and anticipated weather conditions
 - Understand the physical impacts of climate change on Orange & Rockland's infrastructure and share potential adaptation solutions
- Stakeholders provide feedback to Orange & Rockland on CCVS and CCRP
 - Stakeholder input is essential to develop a robust CCRP that will maximize the benefits to O&Rs customers.

Current Status & Next Steps

- Working with Joint Utilities of New York to address regulatory inquiries and develop a common framework for CCVS and CCRP wherever possible
 - Joint Utilities of New York consists of the five utilities from New York State:
 - Orange & Rockland
 - Consolidated Edison
 - Central Hudson
 - National Grid
 - Avangrid
- Consultant will be brought on to assist Orange & Rockland with study and plan development
- Next Climate Change Resilience Working Group meeting in Q4 2022.



Orange & Rockland

Questions?