



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

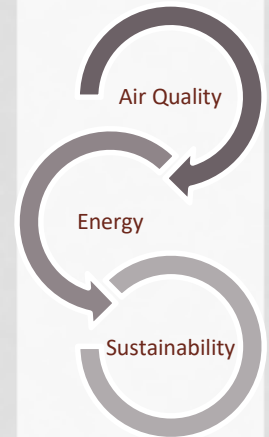


DIVISION OF AIR QUALITY

AIR QUALITY, ENERGY, AND SUSTAINABILITY

RESILIENCY: PLAN NOW FOR FUTURE DISRUPTION

OCTOBER 14, 2018



Frank Steitz, Director

SUPERSTORM SANDY



BEFORE

AFTER





NEW JERSEY'S EXPERIENCE

- Disruptions will come from 3 major areas:
 - Environmental
 - Infrastructure
 - Organizational

ENVIRONMENTAL DISRUPTIONS

- Flooding/Erosion of coastal areas and waterways
- Uncontrolled wastewater releases
- Debris (solid waste management)
 - Wallboard in Landfills
- Destruction of pollution abatement equipment

INFRASTRUCTURE DISRUPTION

- Statewide Disruption of Critical Infrastructure
 - Electricity
 - Fuel Supply (Facilities and Vehicles)
 - Gasoline
 - Diesel
 - Natural Gas
 - Water Supply
 - Waste Water
 - On Site Utilities
 - Transportation (Roads, Bridges, Tunnels, Rail)

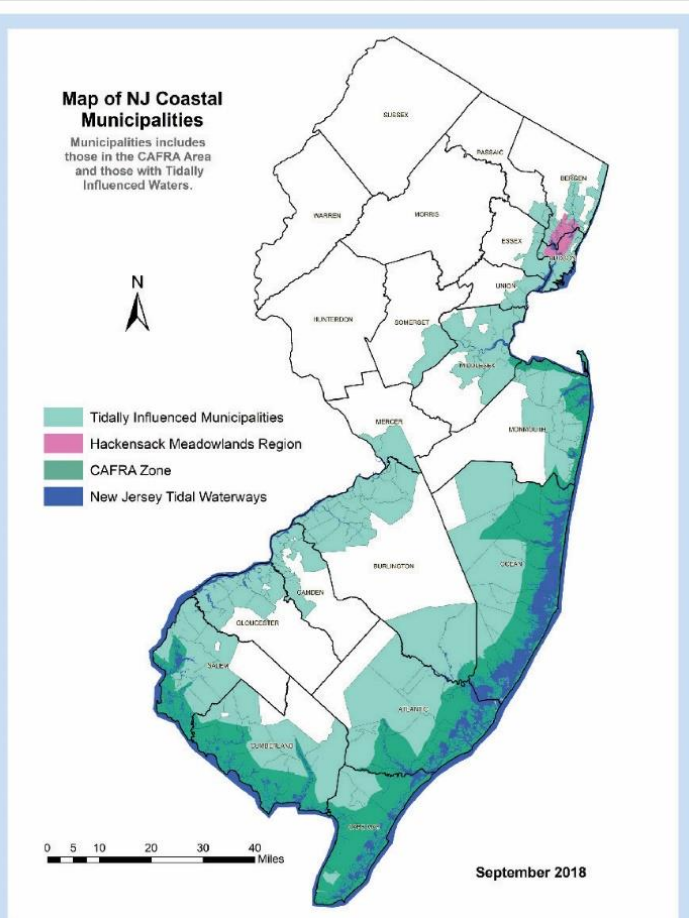
ORGANIZATIONAL DISRUPTION

- Federal, state and municipal facilities will be compromised
- Workforce unable to report
 - Worksites closed due loss of utilities
 - Vehicle fuel shortage
 - No electricity to charge Cell Phone/Laptops
- Senior Management tasked with continuing operations

PLAN AHEAD

- Time to plan is before the disruption
- Organizationally
 - Integrate operations into Emergency Plan for Organization
 - Continuity of operations/ Continuity of Government (COOP/COG)
 - Roles and Responsibilities
 - Inventory of Equipment (IMPORTANT)
- Programmatically
 - Legal authorities
 - Regulatory changes
 - Integrate resiliency into your environmental planning

NEW JERSEY COSTAL ZONE (COSTAL RESILIENCY PLAN)



- All Tidally Influenced Land
- 3,218.12 Square Miles
- 239 municipalities
- 53% of NJ Population
- Costal Area Facility review Act (CAFRA)
- Launching Development of a Costal Resiliency Plan

<https://www.nj.gov/dep/coastalresilience/>

REGULATORY CHANGES

- Solid Waste Debris Management Plans
 - Require municipalities to develop plans for handling
 - Vegetation
 - Structural debris
 - White goods (Washers, Refrigerators)
 - Automobiles
- Air Quality Exemptions and Exceptions
 - Permit exemptions for certain equipment used in emergency situation
 - Removal of limits on backup fuels during emergencies
- Waivers
 - Federal RFG gasoline requirements
 - State Summer/Winter gasoline formulations

EXAMPLE AIR RULE CHANGES

- Removal of 500 hours restriction for burning fuel oil during curtailment of natural gas supply
- Permit exemptions
 - Portable equipment used for emergency management activities
 - Emergency generators used during infrequent non-emergency power disruptions
 - Construction Repair and Maintenance
 - Rental facilities (testing/maintenance/demo only)
 - Excavation and transfer of oil/sediment directly into vehicle

QUESTIONS?

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