DISASTER DOCUMENTATION
State Emergency Operations Center

- WebEOC
  - Town/City Representatives
  - HSEM Local Liaison
  - Road Closures
  - Mission/Task
State Emergency Operations Center

• Request for Resources
  – Town Resources
  – NHPWA Public Works Mutual Aid
    • https://t2.unh.edu/nhpwa
  – State Resources
  – Federal Resources
NH Public Works Mutual Aid

New Hampshire Public Works Mutual Aid Program

Call for help: 877-731-9908 (toll-free)

THANKS to the Board Members who are on the emergency call list:

Alan Cote, Derry
Kurt Blomquist, Keene
Mutual Aid Members, Links, and Other Resources

Affiliate Groups

NH Municipal Contacts
NH Public Works Association
NH Public Works Mutual Aid
  Board Members
  History
  Joining Mutual Aid
  Meeting Minutes
  Mutual Aid Members, Links, and Other Resources
  Providing Mutual Aid
  Requesting Mutual Aid
  National LTAP Program

Complete List of ALL NHPWMA Members

Highway Department Members
  Participating Communities
    Existing Inventory
Building Inspector Members
  Participating Communities
    Existing Inventory
Water & Wastewater Members
  Participating Communities
    Existing Inventory

All Community Members
<table>
<thead>
<tr>
<th>MUNICIPALITY</th>
<th>DISTRICT</th>
<th>quantity</th>
<th>equip_type</th>
<th>attachments</th>
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<tbody>
<tr>
<td>ACWORTH</td>
<td>4</td>
<td>1</td>
<td>BRUSH CHIPPER</td>
<td>LARGE</td>
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<tr>
<td>ACWORTH</td>
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<td>TRAILERS</td>
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<tr>
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<td>PORTABLE WATER PUMPS</td>
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<td>ACWORTH</td>
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<td>DIRECTOR</td>
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<td>LOADER 2 TO 5 YD</td>
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<tr>
<td>ACWORTH</td>
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<td>BACKHOE LOADER 70 TO 80 HP</td>
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<tr>
<td>ACWORTH</td>
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<td>1 TON DUMP TRUCK</td>
<td>SANDER, FLOW</td>
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<tr>
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<tr>
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<td>3</td>
<td>POWER SAWS</td>
<td>CHAIN SAW 24&quot; BAR</td>
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<td>3</td>
<td>VIBRATING COMPACTORS</td>
<td>PLATE TYPE, ROLLER TYPE</td>
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<td>ROAD AGENT</td>
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<td>ALEXANDRIA</td>
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<td>WATER TANK TRAILER, TRUCK MOUNT OR SIDE SLIDE IN</td>
<td>500 GAL</td>
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<td>FORKS</td>
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<td>MATERIALS &amp; SUPPLIES</td>
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<td>HIGHWAY</td>
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<td>SANDER, FLOW</td>
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<td>POWER SAWS</td>
<td>CHAIN SAW 16&quot; BAR</td>
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<td>ALEXANDRIA</td>
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<td>2</td>
<td>TEN WHEEL DUMP TRUCK</td>
<td>SANDER, FLOW, FLOW &amp; WING</td>
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<tr>
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<td>HEAVY EQUIPMENT OPERATOR</td>
<td>HIGHWAY</td>
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<tr>
<td>ALEXANDRIA</td>
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<td>1</td>
<td>BACKHOE LOADER 70 TO 80 HP</td>
<td>4X4, EXTENDAHOE, TWIST-A-WRST</td>
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</tbody>
</table>
State Emergency Operations Center

- State Resources
  - NHDOT Lead Agency for ESF1 and ESF3
    - Sand bags
    - Emergency Access
    - Traffic Control Devices
  - Department of Administrative Services
    - Equipment – Generators
    - Supplies – water
    - Contracts – pre-established and emergency
- Cost of Assistance
NHDOT Maintenance

- Highway Maintenance
  - 6 Districts
  - 86 Patrol Sections
  - ~8,620 Lane Miles
- Bureau of Turnpikes
  - 6 Patrol Sections
  - ~625 Lane Miles
- Other Bureaus
  - Bridge Maintenance
  - Rail & Transit
## Declared Storms 2007-2018

### MAJOR DISASTER DECLARATIONS for NHDOT

<table>
<thead>
<tr>
<th>Date</th>
<th>Storm</th>
<th>FEMA #</th>
<th>Declared</th>
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<tbody>
<tr>
<td>Mar 2018</td>
<td>Snow Storm</td>
<td>DR-4371</td>
<td>Mar 13-14, 2018 Rockingham, Strafford, Carroll counties</td>
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<td>Mar 2018</td>
<td>Coastal Flooding</td>
<td>DR-4370</td>
<td>Mar 1-2, 2018; District 6 NH 1A, seawalls</td>
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<td>Oct 2017</td>
<td>Storm &amp; Floods</td>
<td>DR-4355</td>
<td>Oct 29 – Nov 1, 2017; Coos, Grafton, Carroll; Belknap, Merrimack, and Sullivan counties</td>
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<td>July 2017</td>
<td>Rain Storms &amp; Floods</td>
<td>DR-4329</td>
<td>Jul 1 - 2, 2017: Coos, Grafton counties</td>
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<tr>
<td>Mar 2017</td>
<td>Ice &amp; Wind Storm</td>
<td>DR-4316</td>
<td>Mar 14-15, 2017: Carroll and Belknap counties</td>
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<tr>
<td>Feb 2015</td>
<td>Snow Storm &quot;Jun&quot;</td>
<td>DR-4209</td>
<td>Feb 26-28, 2015: Strafford, Rockingham, Hillsborough</td>
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<tr>
<td>Feb 2013</td>
<td>Snow Storm &quot;Nemo&quot;</td>
<td>DR-4105</td>
<td>Feb 8, 2013 - Feb 9, 2013: Sullivan, Belknap, Cheshire, Merrimack, Hillsborough, Strafford, Rockingham; Feb 8-10, 2013: Carroll County only.</td>
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<tr>
<td>Sep 2008</td>
<td>Severe Storm/Floods</td>
<td>DR-1799</td>
<td>Sep 6-8, 2008: Hillsborough.</td>
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</tbody>
</table>
Storm – Declaration

- Storm Event
- Preliminary Damage Assessment (PDA)
- State Requests Declaration
- Presidential Declaration
- Applicant Briefing - 30 days to Request for Public Assistance (RPA)
Storm – New PA Delivery Model

• Program Delivery Mgr (PDMG) assigned
  – clock starts here
• Exploratory Call (7 days)
• Recovery Scoping Meeting (within 21 Days)
  • Details of Impacts
  • Project Formulation
  • Identify All Damages (60 days after RSM)
• Site Inspections
  • work not completed
Storm – Declaration – Inspections

• For July 2017, Oct 2017 and March 2018 storm:
  – Average over 2 months for declaration
  – Average over 4 months for first site inspection
Goals

• Understand damage within first 2-3 days
• Have damage estimates developed for PDA
• Document response and repairs properly for reimbursement
Storm Coordinators - Statewide

• **Statewide Storm Coordinator**
  – Primary Contact for Storm Events
  – Conduit to Internal & External Agencies
  – Defines Roles, Responsibilities and Removes Obstacles across Departments/Divisions
    • Activities Performed, Costs, Hours, Equipment, Materials
    • Work Order System, Fleet, Inventory, Material Stockpile, HR/Payroll, Timesheets, Contracts
  – Costs & Documentation for Reimbursement
Storm Coordinators - District

• District Storm Coordinators
  – Storm POC for District/Town Department
    • Available immediately after a storm
  – Train/Prepare Storm Specialists with tools needed
  – Oversee documentation activities in their District
  – Review damage/project assignments, estimates, costs and documentation from storm specialists
  – Assist Statewide Coordinator with documentation and reimbursement process
Storm Coordinators - Specialists

- **Storm Specialists**
  - Available on-site immediately after storm
  - Not involved with repairs, traffic control, etc
  - Have stakes/paint, storm forms, measure wheel, camera, extra batteries, projects #s
  - Responsible for documenting damage in assigned areas
On-Site Documentation

- GPS Photos
- Formulate damages to project sites
- Physically mark/paint/stake project
- Document site information:
  - Begin/ending gps coordinates; address
  - Road/Bridge/Assets impacted
  - Description and Dimensions
  - Emergency & Permanent Repairs
  - Traffic Impact
  - Estimated Repair Costs
Documentation - GPS Camera

• Photos document pre, during and post repairs
  – GPS “Tough” Cameras
  – Ricoh WG-50 $250
  – Extra batteries/charger
  – Extra SD cards
  – Cell phones (location on)

Pentax Optio WG-2 GPS
GPS Storm Camera
Documentation - Photos

- Warren 25C & NH118 in Google Earth KMZ file July 2017
Documentation - Photos
Documentation - Photos
Documentation - Photos

During Repairs

Post Repairs
Storm Manual

• Always preparing for the next storm…
Documentation

- DOT standard form
- General project information
- Gathered on initial inspections
Documentation

- All information needed for FEMA
- Detailed dimensions
- Individual Sites
- Mitigation
FEMA Cat A - Debris

• **Cradle to grave** documentation needed
  – Quantities
  – Locations

• Trees, woody debris, sand, mud, gravel
  – Public Property Only

• Disposal
  – Methods
  – Locations

• Photos

• Reasonable Costs
FEMA Cat B – Em Prot Measures

• Before, during and after disasters to save lives, protect public health, safety and improved property.

• Activities
  – Deploying signs, cones, barricades, sandbags & restoration of access
  – Multi Jurisdictional

• Hours
  – Track OT and Regular
  – Track Equipment – Active vs Standby

• Photos
FEMA Cat C – Roads & Bridges

• Must be applicants responsibility
• Document scope of damage & repair work
• Replace in-kind; approval needed to up-size
  – Mitigation or
  – Update to current standards
  – All work must comply to rules & regulations

• Emergency vs. Permanent Repair Work
• Costs must be reasonable
FEMA Other Categories

- Category D Water Control Facilities
- Category E Buildings and Equipment
- Category F Utilities (power generation and distribution, natural gas, power lines, substations, wind turbines...)
- Category G Parks, Recreational Areas & Other Facilities (beaches, piers, playgrounds, pools, tennis courts, picnic equipment... )
FEMA Project - Sites

- Different types = Different projects
- Easier to Combine Projects Later
- Group intermittent similar damages
- All sites
  - Length x Width x Depth
- Track Labor, Equipment & Materials for each project
  - Track stockpile materials used in repairs
  - Purchase new or reorder materials immediately
FEMA – PROCUREMENT

• Use your standard procurement processes
• Contracts – Competitively Bid
  – Doesn’t have to be lowest cost
• On Call Agreements for Emergency Work
  – DOT – Contract Rental Agreements
FEMA – NEW PROCESS

• Work Completed
  – No Site Inspections
  – FEMA relies on your information.

• Work to be Completed
  – FEMA Site Inspections
  – Detailed damage dimensions
  – Potential Mitigation
  – FEMA scoping/costing
FEMA – NEW PROCESS

• GrantsPortal
  – If it is not in the portal it does not exist
  – FEMA will assist with portal if needed
  – Who at Municipality will be responsible

• Applicant approval at all steps

• Register now

• HSEM Training
FEMA – Key Points

- DOCUMENT and PHOTOS
- Costs need to be REASONABLE
- Work Completed – NO site visits
- Force Account
  - Regular Time, O.T., Benefits
  - Equipment and Operators
- Environmental/cultural permitting
- “What would you normally do????”
- “Cradle to Grave”
QUESTIONS?

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Stephen.Detrio@dot.nh.gov
Roger.Appleton@dot.nh.gov