



# ANNUAL REPORT 2016

*Re-Inventing  
Emergency Response  
and Information  
Sharing for Industry  
and Government*



Multi-State Fleet Response Working Group



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# MULTI-STATE FLEET RESPONSE WORKING GROUP

# INTRODUCTION

## A Public/Private Operational Collaboration To Get Communities & Business Back to Normal Following Disasters or Disruptions

It is important that we understand how and why the AHC FRWG was created. While this information may be repetitive for many of you, it's important that we do not forget and will commit one page of the Annual Report as an AHC FRWG Overview.

On August 26, 2011 Hurricane IRENE, a Category 1 hurricane, made landfall in North Carolina and moved northward along the East Coast with moderate to considerable damage from falling trees and power lines, and flooding causing extensive damage. Over seven million homes and businesses lost power during the storm.

During the electric sector's emergency response, the same persistent operational delays occurred that stemmed back to hurricanes KATRINA and WILMA. In December 7, 2011, after repeated appeals from the private sector, DHS OIP (Office of Infrastructure Protection) brought a small group of public and private sector stakeholders together in Philadelphia, PA for a workshop to discuss these delays. From that meeting it was agreed that the initial strategy would start with a few issues and states, develop successes, and then expand to more states and issues.

This workshop brought together over 60 attendees from DHS OIP, the states of Pennsylvania and New Jersey, the All Hazards Consortium (AHC), and the private sector (e.g. Electric, Telecommunications, Retail, Finance, and Information Technology). This group discussed and prioritized over a dozen issues, from a list of choke points provided by the electric sector's Southeastern Electric Exchange (SEE), with the top issue being private sector fleet & resource movements across state lines.

Following the workshop, in January 2012, the private sector asked the AHC to help support the effort with the states. A Steering Committee was quickly formed with cross sector and public sector representation. This group developed a charter, an annual work plan, and short, mid and long-term objectives to the resource movement issue. In July, the AHC's Board of Director's annual meeting was held and included a planning meeting with multiple states and operational leaders from the electric, telecom, food, and fuel sectors. This meeting produced a joint agreement to form a Regional Integrated Planning and Governance Framework which would provide the legal, policy, and process framework to build trusted operational relationships over time.

In November 2012, SANDY struck the East Coast impacting the public and private sectors both in a major way. Following the storm the private sector formalized the Multi-State Fleet Response Working Group (FRWG) under the AHC as an official regional public/private working group.

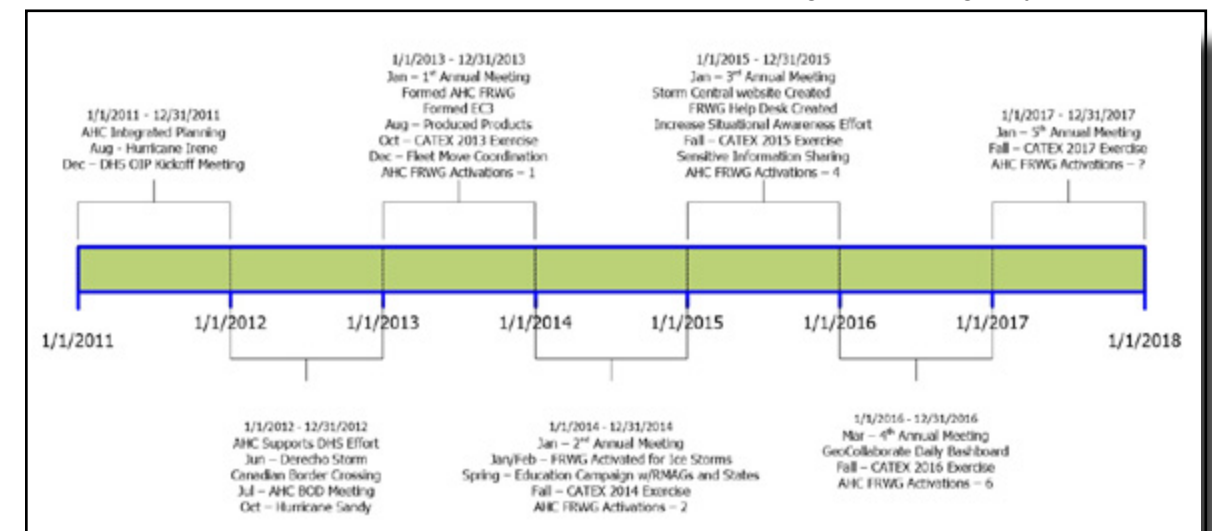
Since its beginning in January 2013, the FRWG has worked across multiple sectors and states, engaging over 16,000+ stakeholders and developed its own unique products and services to address real world operational issues faced during emergency response.

We continue to work to produce partnerships, products, and support regional emergency response as indicated below.



The mission of the Multi-State Fleet Response Working Group is to identify and attract people, processes, and technologies that can support the expediting of private sector fleet and resource movement across multiple state lines in response to a disaster. The working group will:

- Create trusted relationships among its stakeholders
- Attract membership to the Working Group
- Identify issues, opportunities, threats and solutions
- Facilitate integrated planning between public & private sectors
- Educate all stakeholders in the Working Group on relevant issues
- Identify and disseminate information (e.g. best practices, reports, etc.)
- Develop products and services that support the Working Group goals





# LETTER FROM THE CHAIR

# FRWG CURRENT CAPABILITIES

Dear Multi-State Fleet Response Working Group Stakeholders;

For those of you who have supported and been with us over the years I want to thank you for all or support and assistance. For our new stakeholders, thank you for wanting to participate.

Our partnerships continue to grow in both the public and private sectors allowing for those open, honest, and respectful conversations to identify operational choke points that have been difficult in the past to discuss or resolve. While these choke points were originally focused on resource movement during emergency threats and/or impacts, they have expanded over the last couple of years to include sharing operational information; understanding why information is labeled sensitive and how it is to be used; education how and why organizations do things a certain way; and much more.

The All Hazards Consortium's Multi-State Fleet Response Working Group (FRWG) provides an opportunity to learn, educate and help in making effective change between public and private entities and between sectors and states they serve. With your help, 2016 saw innovated thinking, improvements on existing products, new product development, opportunities for situational awareness and new data sharing initiatives. This process continues to improve and to be second to none because of you.

As we move into 2017, I am excited about the opportunities in front of us. Our sustained education and collaboration between the government and industry operations professionals continues to integrate disaster management and business continuity planning, training and exercises which serves everyone across the region.

As we in emergency preparedness and response know, we can anticipate that there will be old and new challenges ahead. But with your help, sharing best practices and working together I have never been more confident that we will work through any obstacles together and jointly develop safe and legal long term sustainable solutions to address them all.

On behalf of all of the stakeholders of the FRWG's Executive Steering Committee, I would like to express our appreciation for the support the FRWG has received from participating states, private sector companies, trade associations, partners and the federal agencies in the activities this past year.

It continues to be my honor and pleasure to serve as the chair of this very dynamic Multi-State Fleet Response Working Group (FRWG). We are happy to announce the release of the FRWG's 5th Annual Report for 2016.

Thank you again for your interest and support.

Respectfully,

John L. Shaner  
Chair  
Multi-State Fleet Response Working Group

## Preparedness

- **Planning & Exercises**
  - o Ongoing Development of Operational Requirements for Disaster Management & Business Continuity
  - o Joint Planning & Exercise Workshops w/Industry and Government
  - o Business Continuity Plan Reviews to Identify Conflicts With States & Other Sectors
- **Education & Training**
  - o Education & Training Activities, Webinars, Workshops, Podcasts
  - o WTOP Federal News National Radio Show "Disaster Resilience in America"
- **Operational Solution Development**
  - o Operational Solutions & Tools for Expedited Processes, Data Sharing and Cyber Security
  - o AHC's SISE Trust Framework Used to Share Sensitive Operational Information During Disasters and Threats

## Response and Recovery

- **Operational Information Sharing**
  - o Regional Disaster Dashboard for Collaborative Decision Making
  - o Centralizing of State Emergency Declarations, Waivers & Guidance
  - o Disaster Response Tools & Contact Directories
  - o "Open/Closed" App Essential Service Providers in Private Sector During Power Outages
- **Expedited Logistics Processes**
  - o Facilitating Multistate Fleet Movement Coordination Process with States & RMAGs
  - o Expediting US/Canadian Border Crossings
  - o Expedited Movement Through E-ZPASS Toll Stations
- **Regional Private Sector Help Desk:**
  - o Disaster Response Dashboards for Decision Support
  - o Trade Association Support
  - o Resource Engine for Locating Critical Resources

## Information Sharing

- **Trust Framework Developing**
  - o Development of SISE (Sensitive Information Sharing Environment) Framework to Address Legal, Policy, Process and Technical Requirements for Sensitive Information Sharing
  - o Produced First Federated Trust Environment Between Industry & Government
- **Cyber Security/Identity Vetting Processes**
  - o Uses Identity Vetting, Validation and Management Process to Verify Data Users for The Data Providers
  - o Will Accept Multiple Levels of Users Credentials Based on Data Provider Security Requirements
  - o Leverages Existing Federal Standards and Processes Already In Use By Millions Worldwide
- **Decision Support Focused**
  - o Sector "Use Cases" Being Developed to Group Vetted People & Data Together for Expedited Operational Decision Making
  - o Combines Collaborative Technology W/Government and Industry Data Providers for Common Operating Picture
  - o Leverage Federal Data & Investments Across 8 Federal Agencies and Research Groups as part of new 3DM Initiative (**Data Driven Decision Making**)
  - o Follow: [www.fleetcyberid.org](http://www.fleetcyberid.org)

# OBJECTIVES

# YEAR AT A GLANCE

For 2017 the FRWG will focus on the following objectives:

- **Operations**
  - o Enhance Disaster Coordination Between Industry and Government
  - o Continue to Develop, Support Efforts and Update Short-Medium-Long-Term Goals –
  - o Adapting to Emerging Threats
  - o Simplifying and Managing Websites for More Timely Information
- **Training and Education**
  - o Continue Developing Education/Training That Support The Integration Of Disaster Management And Business Continuity
  - o Contractor Education and Integration w/FRWG Operational Products
- **Information Sharing**
  - o Continued Development of SISE for Sensitive Information Sharing
  - o Begin Fusion Center Information Sharing Process
- **Products & Service**
  - o Sustain Current FRWG Products
  - o Develop New FRWG Products and Services
  - o Launch the New 1StopOps Service for Operational Information Sharing ([www.1stopops.org](http://www.1stopops.org))
- **Initiatives**
  - o Multi-Sector Working Groups (WG)
    - Expand WG to ensure relevance to more sectors and stakeholders
    - Executive Steering Committee (ESC)– align and strengthen ESC as working groups expand
    - Electric Sector Working Group - Integrate Electric Sector Cooperative & Municipal Electric Companies & Trade Associations
  - o [Drones and UAVs \(Unmanned Aerial Vehicles\)](#)
  - o [Data Driven Decision Making \(3DM\)](#)
  - o NAFA/ERWG Initiative for Expediting National Response Fleet Movements
  - o State BEOC (Business Emergency Operations Center) Integration w/FRWG Processes & Products
  - o State Fusion Center Integration w/FRWG Processes and Products
- **Planning and Exercises**
  - o CATEX 2107 Exercise
  - o - work with Federal, State agencies and Private sector to coordinate existing exercises
  - o Communications Continuity Planning
- **Partnerships - Identify and formalize strategic relationships to support our mission**
  - o FRWG Membership Program/Services

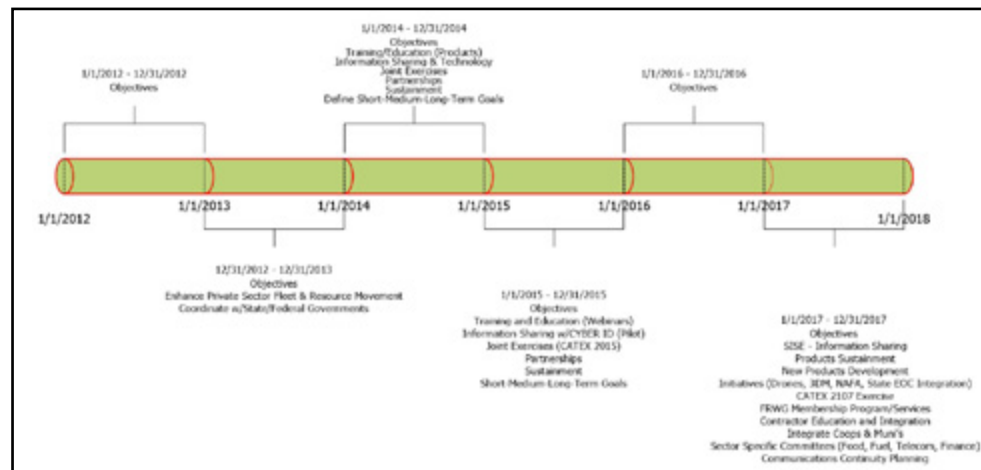
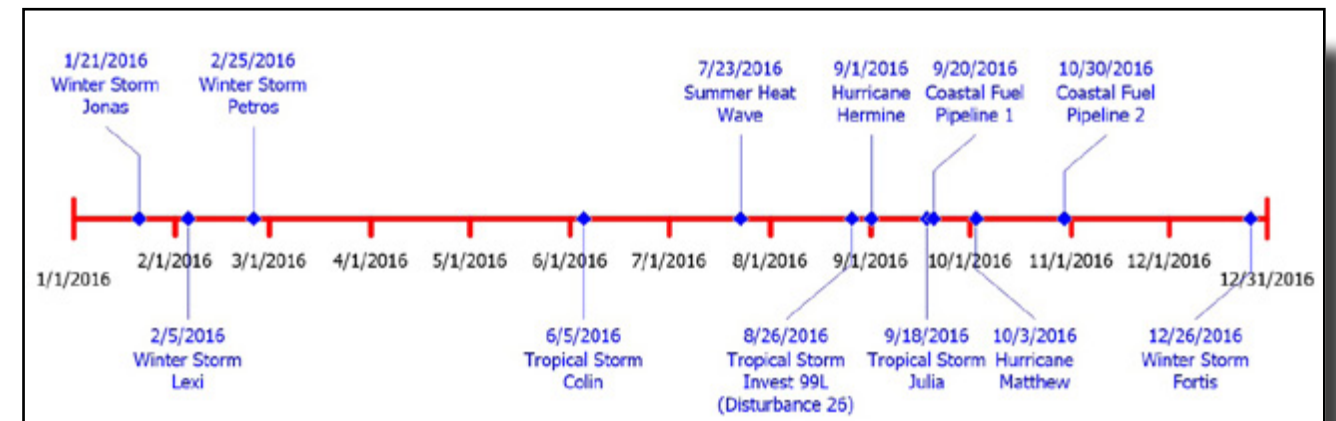


In 2016 we continued to strive to improve our existing products and disaster tools and further develop tool to help in assessing, coordination and sharing information. This section will briefly give an overview on;

- Activations
- Meetings
- Exercises
- Products/Services
- Initiatives
- Long Term Objectives/Vision
- Cross Sectors Benefits
- Partnerships
- 2016 Weather In Review
- 2016 Atlantic Hurricane Season

## Activations

During 2016 the FRWG STORM Central was active for 12 events. These events included Winter Snow Storms, Tropical Storms, Hurricanes, Heat Wave, and Fuel Pipelines to name a few. See STORM Central website for listing of activations and details <http://www.ahcusa.org/>.





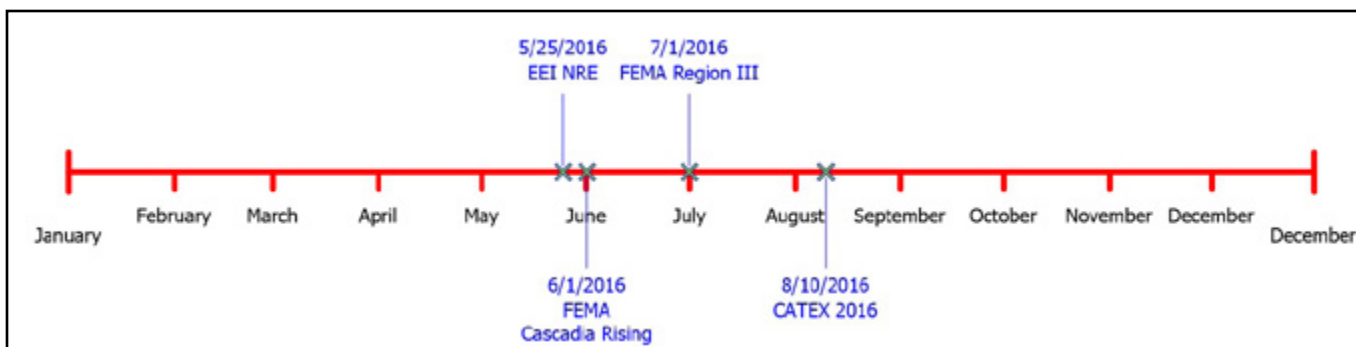
# MEETINGS AND EXERCISES

2016 was once again a busy year for meetings involving the FRWG and its stakeholders. Below is a listing of some of the highlights of the efforts:

	Conference Calls	Brief Description
Weekly	AHC/EEI/FWG Chair	Discuss ongoing efforts and coordinate where possible between EEI and AHC
Monthly	FWG Executive Steering Committee	Updates Executive Steering Committee on FRWG efforts
Monthly	EC3	Calls with states to discuss ongoing initiatives
Quarterly	AHC Board of Directors	Updates on FRWG Activates

Additional 2016 Meeting, Conference Calls, and Exercises.

Date	Meeting/Conference
Feb	NOAA Meeting
Feb	DHS Science and Technology Research and Development Technical Workshop
Mar	2016 AHC FRWG Annual Meeting
Mar	National Drone Webinar Series
Apr	Electric Sector Mid-West RMAG Spring Conference
May	Edison Electric Institute National Response Event (NRE)
May	Electric Sector North Atlantic Mutual Assistance RMAG Spring Conference
May	(AFCEA) Workshop
June	FEMA Cascadia Rising Exercise
July	FEMA Region III Exercise
July	AHC Annual Board of Directors Meeting
Sept	DHS CIPAC (Critical Infrastructure Partnership Advisory Council) Meeting
Sept	CATEX 2016 Exercise
Oct	Electric Sector North Atlantic Mutual Assistance RMAG Fall Conference
Oct	Data Driven Decision (3DM) Workshop
Oct	National Fusion Center Directors Meeting
Oct	DHS CIPIC (Critical Infrastructure Partnership Advisors Council)
Nov	DHS/Congressional Briefing on Sensitive Information Sharing Projects
Dec	Delaware Valley Regional Planning Commissions Meeting



# PRODUCTS/SERVICES HIGHLIGHTED IN 2016

**The Sensitive Information Sharing Environment (SISE)** - A private sector operated information sharing framework to support the sharing of sensitive operational information in a secure manner between validated users in industry and government. The SISE provides the legal, policy, process and technology framework that will “vet and validate” user identities for increased Cyber security; organize information by industry created “use cases”; leverage industry, federal agency and research organizational data providers to align their data with the use cases; and expand to meet user demand.



**The SISE Dashboard** - The SISE Dashboard creates a visual “App Store” environment and simplifies user navigation to many data sources, apps, documents, video feeds, and websites via a single customizable screen based on individual user preferences. Ongoing app development will be provided by a growing network of 100+ organizations and made available to users on their various devices on a subscription basis.

**STORM Central** - A location to put all pertinent information pertaining to an event. Information includes but not limited to state and federal Emergency Declarations, Waivers, Travel Bans, Procedures and Guidance, and Operational Alerts and Updates.



**GeoCollaborate** - a new collaboration technology developed by NOAA, NASA, and their contractor StormCenter merges disparate information in any format into a single, visual decision platform for local, regional and national decision makers.

**1StopOps** - A new annual subscription service designed to enhance operational information sharing and decision support for regional emergencies and day-to-day operations. 1StopOps will leverage existing government and industry investments to create regional visual dashboards for cross sector situational awareness during emergencies, connect users to resources/people, and support ongoing data set development to be used by any system in any organization.



# PRODUCTS/SERVICES HIGHLIGHTED IN 2016

In 2017, the FRWG will launch a new information service designed to enhance public/private operational communication, coordination, sensitive information sharing, and decision making during regional emergency response.

## Why 1StopOps?

Regional storms, accidents, cyber-attacks and disasters expose persistent challenges and gaps with public and private sector information sharing and coordination. These gaps can negatively impact community, business, and overall economic resilience as well as the public trust and confidence in current organizational leadership.

## The 1StopOps Approach:

1StopOps will leverage existing organizations, relationships, investments, technologies and information to provide a private sector operated regional “operational information” sharing mechanism that provides a common operating picture to support decision makers before, during and after a regional natural or man-made disaster. 1StopOps leverages the past public and private sector investments; organizes public and private operations professionals to use real world “use cases” that organize people and information; and incorporates legal, policy, business processes and technology to vet user identities and share appropriate information in a visual and collaborative format.

**1StopOps – A New Way of Emergency Response & Information Sharing**

[www.1stopops.org](http://www.1stopops.org)

**Open/Closed Locations**

Locate where to get fuel, food, coffee, medications, supplies, and materials in disaster areas

**STORM Central**

Centralized state disaster declarations, waivers, and guidance for private sector

**Daily Disaster Dashboard**

Access the Daily Disaster Dashboard to monitor what is going on and who is doing what

# INITIATIVES

The FRWG in 2017 will be taking on several key initiatives to support its mission. Following are those initiatives with a brief description.

## DRONES / UAVs

Inspired by the growing opportunities and concerns within the Drone/UAV (Unmanned Aerial Vehicle) arena, the states and companies within the FRWG will be exploring this topic in several key areas including technology, policy, counter measures, and operational use cases. Additionally, the FRWG will be facilitating pilot projects between government and industry to test ways to share resources and information.

- To learn more, visit our webpage at: <http://www.ahcusa.org/dronesuavsuaass.html>
- Join our LinkedIn Group at: <https://www.linkedin.com/groups/Drones-UAVs-Industry-Government-Operational-8515880/about>

## NAFA (National Association of Fleet Administrators) Initiative

Started in 2015 this initiative is exploring ways to expedite private sector resource fleet movement across state lines by focusing on enhancing the commercial vehicle permitting process that all trucks and commercial vehicles have to go through before they leave their state to travel to other states. This process varies state-by-state and in some cases can cause long delays for response Crews.

Under new legislation, the US Department of Transportation has convened and [Emergency Route Working Group \(ERWG\)](#) populated by 20+ members from state and local government, federal agencies, private sector organizations and the AHC's Fleet Response Working Group (FRWG). Monthly meetings begin in January 2017 and will focus on improving processes, sharing information, and developing maps with states that will allow for the expediting of response vehicles as well as oversize and overweight vehicles which can be part of response and recovery efforts.

Learn more... <http://ops.fhwa.dot.gov/fastact/erwg/index.htm>

## EXTENDED POWER OUTAGES

Over the past 18 months, FEMA has been working with the electric sector and other sector organizations on an Extended Power Outage Planning Annex to their disaster response plans. This initiative will be monitored by the FRWG and opportunities will be explored to expedite communications and situational awareness between government and industry should an event like this occur.



# INITIATIVES

# LONG TERM OBJECTIVES/VISION

## DATA DRIVEN DECISION MAKING (3DM)

Started in 2016, Data Driven Decision Making (3DM) initiative will leverage data sets from multiple federal agencies and research organizations into the private sector to enhance state and industry decision-making before, during, and after security or disaster related incidents. Working with NOAA and the ESIP ([Earth Science Information Partners](#)), the FRWG is conducting working meetings, defining operational use cases, identifying and vetting data and their sources, and integrating the data into a common situational awareness platform (e.g. GeoCollaborate) to support decision-makers in the public and private sector. This exciting initiative has tremendous potential to reinvent the way industry and government work together to respond to disasters or any type of incident that requires public and private coordination and communications.

Learn more: <http://www.ahcusa.org/data-driven-decision-making-3dm.html>

## FUSION CENTER INTEGRATION

In 2017, the FRWG will be integrating state fusion centers into their planning and situational awareness/information sharing efforts to focus on threat information sharing opportunities and ways to improve overall communications with state law enforcement during emergency and non-emergency scenarios. In October 2016, representatives of the FRWG address the National Fusion Center Directors at their annual conference to propose this collaboration concept which was well received by the directors. Going forward, the FRWG will work with fusion centers to explore ways to leverage and promote each other's information products, develop new products, and explore ways to improve information sharing and cyber security related communications.

Learn more... <http://www.ahcusa.org/fusion-center-integration.html>

## STATE BUSINESS EMERGENCY OPERATIONS CENTER INTEGRATION

In January 2016, several State Emergency Management Directors who attend the FRWG's annual meeting began working with the FRWG to explore ways to enhance their state's Business Emergency Operations Center (BEOC) offerings to attract more of their state's companies to participate. The FRWG is exploring opportunities to connect systems, leverage federal data sets, share information, participate in joint virtual exercises, and develop products together to attract local businesses to participate in their state's Business Emergency Operation Center and to improve overall coordination locally and regionally during multistate emergencies.

## STATE DEPARTMENT OF TRANSPORTATION INTEGRATION

In 2016, the FRWG began outreach to several state Departments of Transportation (DOT) for the purposes of enhancing traffic and general transportation information sharing across the East Coast. Working with several state DOT's, and the Delaware Valley Regional Planning Commission (DVRPC), the FRWG is exploring ways to connect systems, share video traffic information, and improve overall regional information sharing with the private sector across multiple states during disasters and emergencies.

Our original long-term objectives are still relevant today: be safe; legal; develop mutual understandings with our local, state and federal agencies; and attempt to bring a level of consistency of approach to disaster response across state lines.

The FRWG continues to be focused on long-term operational solutions during 2016. It is important that we share and coordinate efforts, ongoing and future, to meet a border group needs, for effectiveness, and remove duplication that can be utilized across our Nation.

As more operational issues become identified, these objectives help prioritize and define the long-term vision for the end result. All operational solutions should...

- Be developed with long-term sustainability in mind
- Not require government declarations/waivers
- Provide the ability to move through or past tolls/weight stations legally
- Expedite the ability to obtain critical operational information needed in a disaster
- Utilize and operationalize a FRWG "trust framework" for secure information sharing
- Support the integration of public sector and the private sector lifeline sectors

Choke Point Solution Strategy		Who's Involved in Solutions?		
		Short Term	Mid Term	Long Term
Fleet Movement Choke Points				
Trip/Fuel/Weight Permits (Intrastate registration)	For Responding, Redeployment, or Returning Trips	Private/Public	Private/Public	Private
Weight Stations (Intra/Interstate registration)		Private/Public	Private/Public	Private
Toll Roads/Bridges Effective pass through		Private/Public	Public	Public
Metro areas road congestion		Public	Public	Public
Road closures and conditions (511 websites)		Public	Public	Public
Responders Categories - (Mutual Assistance, Support Services such caterers, equipment, material delivery, fuel delivery, etc)		Private/Public	Private/Public	Private
Fuel Availability		Private/Public	Public	Public
Border Crossing		Public	Public	Public
Credentialing and access cross state lines		Private/Public	Private/Public	Private/Public
Non-Decaded Vehicles responding		Private/Public	Private/Public	Private
State waivers specifics information		Private/Public	Private/Public	Private/Public
State/Federal declaration communications		Private/Public	Private/Public	Private/Public
State Contact Information and Process		Private/Public	Private/Public	Private/Public
Line of Communications		For Responding, Redeployment, or Returning Trips		

Resource Movement For Blue Sky To Catastrophic Days





# CROSS SECTORS BENEFITS

The FRWG continues to recognize cross sector benefits of its solutions. Many of the Disaster Response Tools that were developed can be used by other sectors with little to no changes.

Solution	Electric Sector	Telecom Sector	Food Sector	Fuel Sector	State Local Gov't	Additional Sectors
Disaster Tools Webpage	X	X	X	X	X	X
Canadian Border Crossing	X	X	X	X		
Expediting Thru EXPASS Toll Stations	X	X	X	X	X	X
Energy Liaison Guide	X	X	X	X	X	
FEMA Private Sector Exercises & Resources	X	X	X	X	X	
GeoCollaborate Daily Dashboard	X	X	X	X	X	X
Hours of Service Exemptions	X	X		X		
NOAA Weather	X	X	X	X	X	X
Regional Fleet Movement Coordination Process	X	X	X	X	X	X
RMAG FRWG Engagement Guidance	X				X	
State Fleet Movement Requirements	X	X	X	X		
US-Department of Transportation Resources	X	X	X	X	X	X
US-Department of Transportation Emergency Response Working Group	X	X	X	X	X	X
STORM Central Website	X	X	X	X	X	X
FRWG Operational Help Desk	X	X	X	X	X	X
CATEX Annual Virtual Exercise	X	X	X	X	X	X
Drone / UAV Initiative	X	X	X	X	X	X
Extended Power Outage Initiative	X	X	X	X	X	X
Data Casting Initiative	X	X	X	X		X
3DM (Data Driven Decision Making) Initiative	X	X	X	X	X	X
State BEOC Integration Initiative	X	X	X	X	X	
SISE (Sensitive Information Sharing Environment)	X	X	X	X	X	X
<b>NEW for 2017</b> 1StopOps Service	X	X	X	X		

# PARTNERSHIPS AND WEBSITES

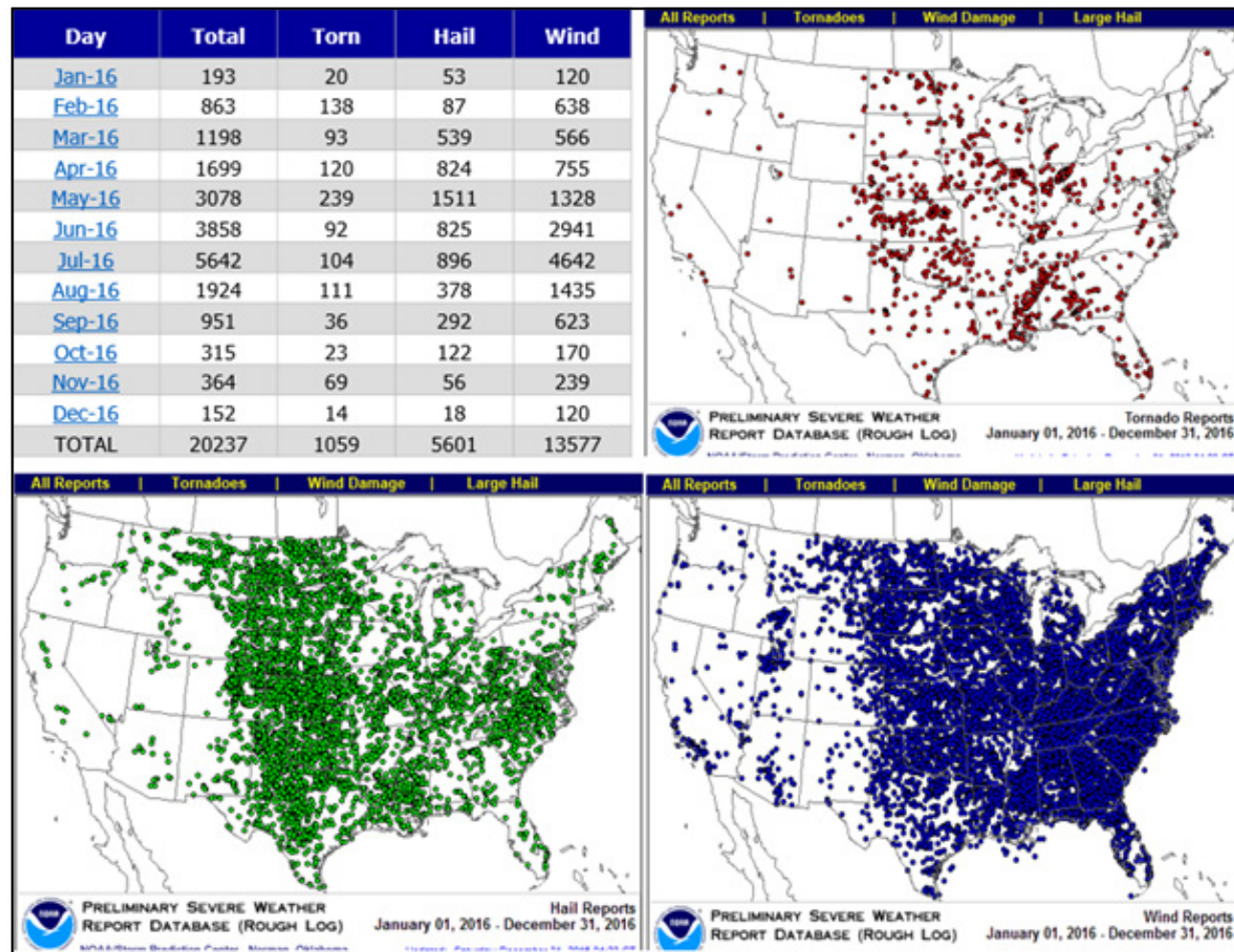
In 2016, the FRWG added several new partners and strengthen its existing partnership. Partners provide the FRWG with subject matter expertise, technology, research, tools, processes, and information relative to the overall mission.



# 2016 WEATHER IN REVIEW

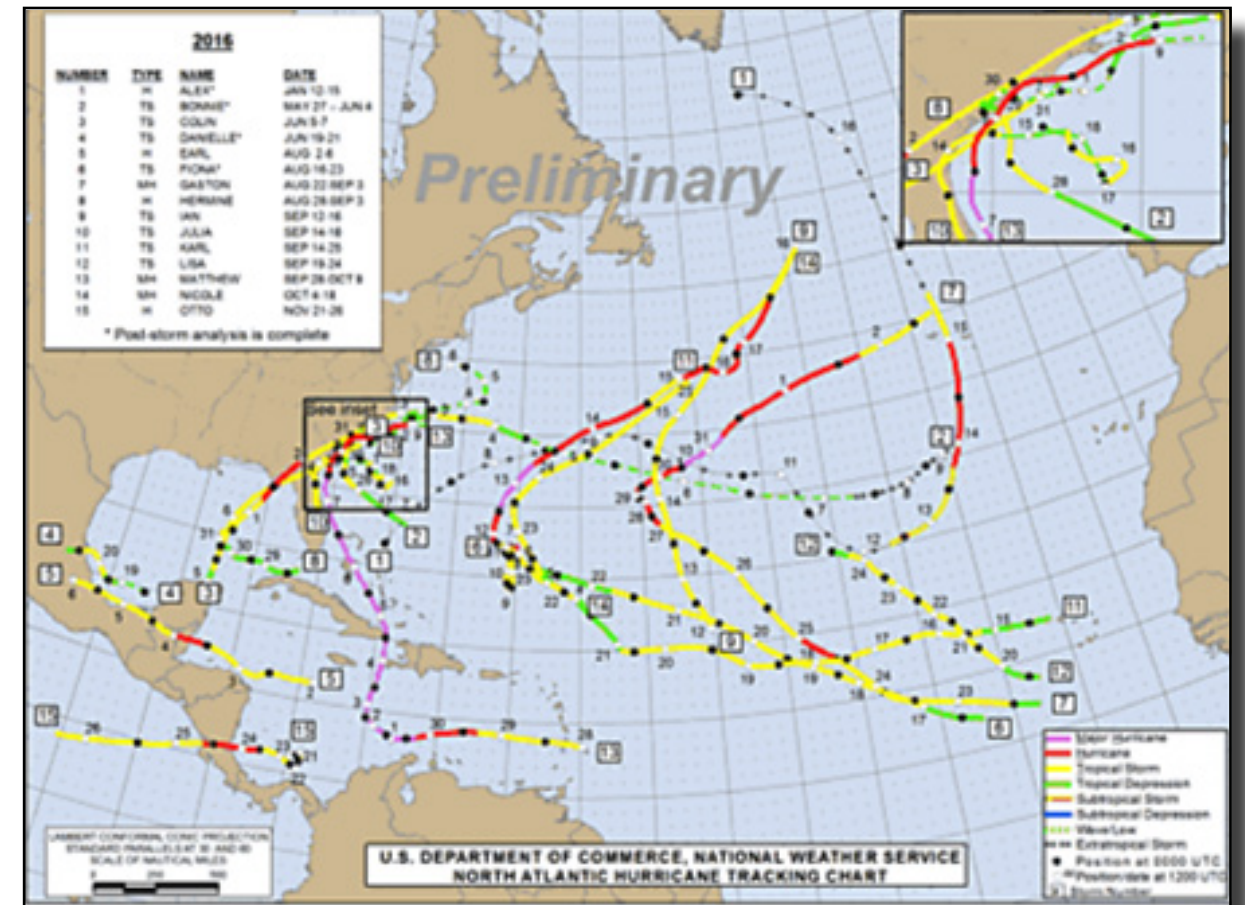
While 2016 can be seen quieter year for major weather impacts as compared to the previous year, it is important we put the weather activity in perspective. Overall, 2016 was a very active years which results in emergency response efforts to occur almost on a daily basis at some level.

## NOAA summary on Tornadoes, Hail and Winds



# 2016 ATLANTIC HURRICANE SEASON

For the 2016 season, 15 named storms formed, of which 7 became hurricanes, and 3 became major hurricanes. One unnamed depression also formed in the basin. The number of named storms and hurricanes in 2016 was above the long-term averages of 12 and 6, respectively. The season total of major hurricanes matched the long-term average of 3.<sup>1</sup>



<sup>1</sup> National Hurricane Center - <http://www.nhc.noaa.gov/text/MIATWSAT.shtml>

# EVENT ASSESSMENT

Reliable, quick, and safe damage assessment is essential when determining damage severity, the response levels needed, and duration of impact. Private sector usually breaks damage assessment into three parts; electronic, physical ground, and air.

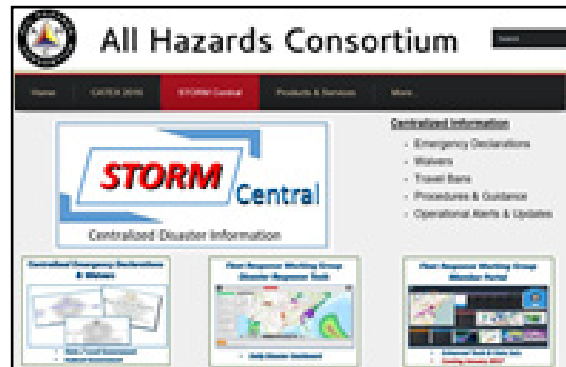
- **Electronic** - utilizes the information and technology for an overview prior to leaving the office, such as: *Weather Event Footprint (type and geographic historical information), Real Time Weather Forecast, applications data, etc.*
- **Physical Ground** - Utilizing application data, Isolate/Assess, Document/Tag, and Patrolling
- **Air** – Helicopter, Drones, etc.

While each company has their own process in obtaining reliable information quickly, normally their focus is on their specific organizational geographic footprint. The FRWG also utilizes an event assessment process that focuses on the broader geographic picture. The FRWG has developed three operational tools for regional, cross sector emergency “situational awareness and decision support” that are operational now and continue to be enhanced:

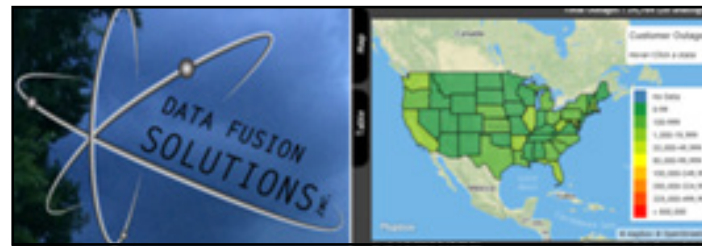
- **GeoCollaborate Daily Dashboard** – consolidates information from national weather service, private sector, any state or federal guidance, declarations, waivers, storm tracking, flooding, impacted states, resource drive thru states and much more.  
<https://frwg.geocollaborate.com/>



- **STORM Central Website** – A central location emergency documentation pertaining to a specific event such as state/federal emergency declarations, waivers, travel bans, procedures & guidance, operational alerts & updates.  
<http://www.ahcusa.org/storm-central.html>



- **Data Fusion Solutions** – national outages ability to see near real time event impact to electric sector customers.  
<https://www.datafusionsolutions.com/>



Future FRWG tools and capabilities under development with research and technology partners that will help increase emergency damage and/or impact “assessment” in 2017.

# EDUCATION AND TRAINING

Going forward, ongoing education of the FRWG’s public and private sector stakeholders will remain a key activity. Stakeholders needs to be informed and updated on the various FRWG operational issues, research, projects, products and services that have been produced (or are being produced) by the FRWG and its increasing technology, earth science and operational partners.

From the beginning, public and private sector stakeholders agreed to jointly develop methods to educate industry and government on the basic philosophy of the FRWG, the purpose and intended use of its products, and the culture of trust within the FRWG that allows public/private collaborative planning, joint investments, and sensitive information sharing among stakeholders.

This education initiative includes the development of additional partnerships, websites, webinars, online videos, and documents to help explain each of the FRWG’s products, how they work, how to access them, and how they benefit both public and private sector.

Education will remain a priority going into 2017. The following are some of the existing educational and training that is located on the AHC and FRWG websites;

- AHC Products and Services - <http://www.ahcusa.org/index.html>
- FRWG CATEX Exercises - <http://www.fleetresponse.org/productservices/annual-exercise/>
- FRWG Education and Training Products - <http://www.fleetresponse.org/resources/education/>
- FRWG Webinars - <http://www.fleetresponse.org/resources/webinars/>

## Videos

- Who is All Hazards Consortium?  
[Link: https://youtu.be/Gnb8sl5xwXw](https://youtu.be/Gnb8sl5xwXw)
- SISE Portal & Solutions (7 short videos):  
[Link: https://www.youtube.com/playlist?list=PLEXjtR48sZXEkVhInjO8OusiamU37VjgN](https://www.youtube.com/playlist?list=PLEXjtR48sZXEkVhInjO8OusiamU37VjgN)
- The SISE (Sensitive Information Sharing Environment) Overview:  
[Link: https://youtu.be/Gw7AJ-cjhFM](https://youtu.be/Gw7AJ-cjhFM)
- 2016 GeoCollaborate Tool Demonstration Video:  
[Link: https://www.youtube.com/playlist?list=PLEXjtR48sZXHQHanFz2QE6QOcRMgpb1PB](https://www.youtube.com/playlist?list=PLEXjtR48sZXHQHanFz2QE6QOcRMgpb1PB)
- RMAG Coordination Guide for the Regional Fleet Movement Coordination Process Video:  
[Link: https://youtu.be/6FQd9PBxwY4](https://youtu.be/6FQd9PBxwY4)
- Fleet Open/Closed Service for Finding Essential Services During Disasters/Power Outages:  
[Link: https://www.youtube.com/playlist?list=PLEXjtR48sZXGepad6nNN-lasuAQ4\\_Uilw](https://www.youtube.com/playlist?list=PLEXjtR48sZXGepad6nNN-lasuAQ4_Uilw)



# REFERENCE

# WEBSITE REFERENCE LINKS

## FRWG Products

The FRWG produces operational solutions to support its public and private sector stakeholders. Below is a list of some of the current and developing solutions that have been developed to address some of the operational issues faced repeatedly during regional emergencies. These solutions continue to be enhanced and improved every year. Additionally, new solutions and derivative solutions are always being developed by the FRWG and its advisors on an ongoing basis.

Current & Developing FRWG Solutions	
	FRWG Solutions
<p><b>USE CASE:</b> Need to Coordinate Electric Sector Mutual Assistance Fleet Movement w/Multiple States</p> <ul style="list-style-type: none"> <li>Fleet Movement Process Guide - <a href="http://www.fleetresponse.org/about-us/fleet-initiatives/fleet-movement/">http://www.fleetresponse.org/about-us/fleet-initiatives/fleet-movement/</a></li> <li>FLEET-MOVE Database - <a href="http://www.fleetresponse.org/productservices/multi-state-movement/">http://www.fleetresponse.org/productservices/multi-state-movement/</a></li> </ul>	<p>Expedited Process    Online Database</p>
<p><b>USE CASE:</b> Need to Find Open Fuel/Food/Hotels/Pharmacies During Regional Power Outages</p> <ul style="list-style-type: none"> <li>Fleet Open/Closed App - <a href="http://www.fleetopenclosed.org/">http://www.fleetopenclosed.org/</a></li> </ul>	<p>Online App</p>
<p><b>USE CASE:</b> Need to Expedite Fleet Movement Thru Toll Stations &amp; Across Us/Canadian Border</p> <ul style="list-style-type: none"> <li>E-ZPass Process - <a href="http://www.ahcusa.org/e-zpass-tolls.html">http://www.ahcusa.org/e-zpass-tolls.html</a></li> <li>US/Canadian Border Crossing - <a href="http://www.fleetresponse.org/resources/hurricane-season/#Canadian">http://www.fleetresponse.org/resources/hurricane-season/#Canadian</a></li> </ul>	<p>Expedited Process    Expedited Process</p>
<p><b>USE CASE:</b> Need Faster Access to State Declarations/Waivers</p> <ul style="list-style-type: none"> <li>STORM Central Website - <a href="http://www.ahcusa.org/e-zpass-tolls.html">http://www.ahcusa.org/e-zpass-tolls.html</a></li> </ul>	<p>Online Website</p>
<p><b>USE CASE:</b> Need More Secure Data Sharing w/Government &amp; Industry</p> <ul style="list-style-type: none"> <li>SISE Information Sharing Framework - <a href="https://youtu.be/Gw7AI-rihFM">https://youtu.be/Gw7AI-rihFM</a></li> <li>SISE Dashboard - <a href="http://www.1stopops.org">www.1stopops.org</a></li> </ul>	<p>Legal Framework    Online Service</p>
<p><b>USE CASE:</b> Need Real-Time Collaboration &amp; Common Operating Picture During Regional Emergencies</p> <ul style="list-style-type: none"> <li>GeoCollaborate Daily Dashboard - <a href="https://www.youtube.com/playlist?list=PLEXtr48s2XkVhniO8OusiamU37VjgN">https://www.youtube.com/playlist?list=PLEXtr48s2XkVhniO8OusiamU37VjgN</a></li> <li>"Live" Regional Collaboration Session - <a href="https://www.youtube.com/playlist?list=PLEXtr48s2XkVhniO8OusiamU37VjgN">https://www.youtube.com/playlist?list=PLEXtr48s2XkVhniO8OusiamU37VjgN</a></li> </ul>	<p>Decision Tool Daily Dashboard    Decision Tool Collaboration Sessions</p>
<p><b>USE CASE:</b> Need Better Data for Decision Making &amp; Coordination w/States</p> <ul style="list-style-type: none"> <li>Data Driven Decision Making Initiative (3DM) - <a href="http://www.ahcusa.org/data-driven-decision-making-3dm.html">http://www.ahcusa.org/data-driven-decision-making-3dm.html</a></li> <li>Electric Utility Liaison Officer Guide - <a href="http://www.fleetresponse.org/resources/hurricane-season/#Energy">http://www.fleetresponse.org/resources/hurricane-season/#Energy</a></li> </ul>	<p>Decision Tools    Operations Guide</p>

[All Hazards Consortium](#) - The All Hazards Consortium (AHC) is a state sanctioned 501c3 non-profit organization focused on expediting getting business back to business following any type of disaster.

The AHC engages its 16,000+ government and industry stakeholders in programs and working groups that address important issues such as; disaster management / logistics, public safety communications, business continuity, regulatory de-confliction & compliance, sensitive operational information sharing, cyber security, identity / access management, applied operational research  
The AHC's working groups partnerships and operational solutions provide national reach across multiple critical infrastructure sectors and states.

[East Coast Corridor Coalition \(EC3\)](#) - The EC3 Working Group is a public sector work group that focuses on disaster management and business continuity issues facing the region's communities and businesses; Integrated planning w/private sector, Education and training, Annual exercises (e.g. CATEX), Developing joint operational solutions, Public/private information sharing  
The EC3 is advised by the private sector members of the Multi-State Fleet Response Working Group.

[Multi-State Fleet Response Working Group](#) - is a private sector guided, public/private working group focused on expediting safe and effective restoration of critical "lifeline infrastructure" and supply chains to support business and community resilience within the United States. Members of this working group include critical infrastructure owners and operators from multiple sectors including electric, fuel, telecommunications, transportation, food, water, medical, retail, manufacturing, banking/finance, information technology, chemical, and the defense industrial base. Public sector officials serve as advisors and volunteer their time to engage in joint "integrated" planning, training, exercises and advise on joint solution development.

## 2017 Website Changes

The FRWG website will be merged into the All Hazards Consortium website to duplications, more effective movement between information and enhance reliability in most up-to-date information.





# INTEGRATED PLANNING FRAMEWORK

The All Hazards Consortium’s Integrated Planning Framework creates a completely new legal, governance, policy and procedural framework that allows industry and government operations professionals to work together on common regional issues and create joint operational solutions (e.g. data sets, guides, apps, webpages, exercises, tools, training, etc...)

In July of 2012, public and private sector operational leaders met in Delaware to discuss how to create a trusted environment to have frank, open and honest conversations about how to work together to get business back to business and communities restored faster following major regional storms and disasters on the East Coast. The framework enables joint planning meetings to identify common regional operational issues and use joint tabletop exercises to create and/or test short/mid/long term solutions.

The solution development process consists of the following steps:

1. Organize Sector Focused Operational Working Groups
2. Identify joint operation issues
3. Prioritize w/State Advisers
4. Research Solutions (short/mid/long term)
5. Develop & test solutions
6. Evaluate (refine as needed)
7. Implement solution
8. Identify next issue and repeat process



The Integrated Planning & Governance Framework provides governance and planning architecture designed to allow government and industry to work separately on some issues and together on others.

The framework currently supports two regional working groups:

## Working Groups:

- The public sector’s [EC3 \(East Coast Corridor Coalition\)](#) work group comprised of operations professionals in public sector
- The private sector’s [Multi-State Fleet Response](#) work group comprised of operations professionals in private sector “life line” sectors (electric, food, fuel, etc...)

This planning framework has produced a number of solutions that have been operationalized during regional emergencies since 2013.





In Partnership With:

