

Appendices

Appendix A
Meetings and Public Participation Documents

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Appendix C
Hazard Mitigation Plan Checklist

Albany County
Multi-Jurisdiction Multi-Hazard Mitigation Plan
Monitoring, Evaluation and Update Checklist

Steps to be completed, at a minimum, at the end of Years 1, 2, 3, and 4:

Meeting

- Identify members of the Hazard Mitigation Plan Executive Committee (may need to be revised year-to-year)
- Set a meeting date and notify Executive Committee members
 - Members should come prepared to specifically discuss status and details of pre-disaster mitigation projects or actions executed by their respective agency/organization
- Hold meeting – discuss hazard events that have occurred since last meeting or Plan Update, including:
 - Type of hazard event
 - Damages incurred
 - Cost of repairs
 - Hazard response
 - Hazard duration and recovery time
- Discuss how the HMP actions, strategies, and other information has been incorporated into local planning mechanisms and agency efforts over the past year (if applicable)
- Evaluate the HMP Update by assessing:
 - Whether the goals and objectives address current and expected conditions
 - Whether the nature, magnitude, and/or type of risks have changed
 - Whether the current resources are appropriate for implementing the plan
 - Whether there are implementation problems or coordination issues with other agencies
 - Whether the outcomes, thus far, have occurred as expected
- Update the HMP by addendum if any significant changes are needed

Documentation

- Albany County Office of Emergency Services to prepare annual summary of collected information, hazard occurrences and damages, completed mitigation actions and costs, and other applicable information
- Post this annual summary on County website for public review and keep in files for next formal HMP Update process

Steps to be completed end of Year 3/early in Year 4:

Grant Funding

- Submit application to FEMA for grant funding to complete next HMP Update

Steps to be completed in early/mid-way Year 4:

Plan Document

- Determine who will be the primary author of Plan Update (Consultant or In-house)

Meeting

- Inform Executive Committee members of first meeting to begin formal Plan Update process

Risk Assessment (if needed)

- Send email to participants with date and time of risk assessment event
- Complete risk assessment program with NYSOEM facilitation

Steps to be completed in Year 5:

Plan Document

- Update pertinent sections of the Plan, including Appendices
- Add-in hazard related details that were collected during annual Executive Committee meetings

Meetings

- Hold Executive Committee meeting(s) to discuss and revise Plan Update
- Hold meetings and discussions with participating jurisdictions to update information relevant to each jurisdiction and revise each jurisdiction's previous risk assessment
 - Discuss how the HMP actions, strategies, and other information has been incorporated into local planning mechanisms since the last Plan Update
- Hold public information meeting(s) to solicit comments on Plan Update

Plan Approval Process

- Submit final draft to NYSOEM for review
- Complete NYSOEM revisions and respond to comments, if necessary, and submit Plan Update to NYSOEM/FEMA for pre-approval
- Complete FEMA comments, if necessary, and re-submit
- County and participating jurisdictions pass resolutions accepting the Plan Update – include these in Appendix B

Appendix D

**Albany County 2014 County Emergency
Preparedness Assessment (CEPA)**

FINAL DRAFT
For Official Use Only (FOUO)
Not for Public Disclosure
Sensitive Public Safety Information

New York State Division of Homeland Security and Emergency Services

County Emergency Preparedness Assessment

Albany County
December 4, 2014

FINAL DRAFT
For Official Use Only (FOUO)
Not for Public Disclosure
Sensitive Public Safety Information

County Overview



- Population **305,455**
- Square Miles **522.8**
- **19** Localities (Cities, Town and Villages)
- **9** Federally Declared Disasters

- **71** Response Agencies
 - **17** Police Departments
 - **42** Fire Departments
 - **12** EMS Transport Providers

County Overview

Unique County Characteristics:

Albany County is home to the Capital of the State of New York. It is a mix of urban and rural communities from hill towns to sea-level elevations. The County is located along the Hudson and Mohawk Rivers. There are tidal waters in the City of Albany and Town of Bethlehem.

The largest population center is located in the City of Albany. The Town of Colonie has a large population center and the largest population of senior citizens within the County. There is a significant commuter population, as many people from around the region work within Albany County. The hill towns also see a seasonal increase (up to 40%) in population during the summer.

The County's major industries and notable infrastructure include: Albany International Airport, a growing Nanotechnology industry, the State Capitol, Port of Albany, Wadsworth Laboratory, and a Level 1 Trauma Center (Albany Med.). There is a CSX switching yard and rail lines carrying hazardous material (including crude oil) which traverse the County. A National Grid power hub is located in Guilderland, and there are many data centers housed within the County. There are 130 dams which affect the County, several large reservoirs, a gravity fed water system, and wastewater treatment plants. The County is also home to several colleges and universities.

The region's two largest shopping centers are in the County and the County owns a 14,000 seat arena (Times Union Center) which regularly hosts numerous concerts and other mass gathering events. There are numerous other several special events that bring thousands of visitors to the area such as the 4th of July Fireworks on the Plaza, Alive at Five, and St. Patrick's Day Parade. Additionally, the many colleges and universities host several events throughout the year.

Emergency Management Organizational Structure:

County Emergency Management is a Unit within the County Sheriff's Office. There is a dedicated Fire Coordinator within the Unit with seven part time Deputies. Communications is also housed in the Sheriff's Office. Some of the towns and villages also have emergency management staff.

County Emergency Management has two full time employees, with an additional full time employee beginning in January 2015.

The County Emergency Manager reports to the County Sheriff.

CEPA Summary Report

Albany County is susceptible to a variety of natural, accidental/technological and man-made/intentional hazards. Based on the likelihood and consequence analysis, the hazards posing the most risk include:

- Flooding
- Severe Winter Snowstorms
- Ice Storms (at least a 1/2 inch or more)
- Cyber Attack
- Haz-Mat Release
- Haz-Mat Release - In Transit

Of the **28** Capabilities examined, the following rankings were found:

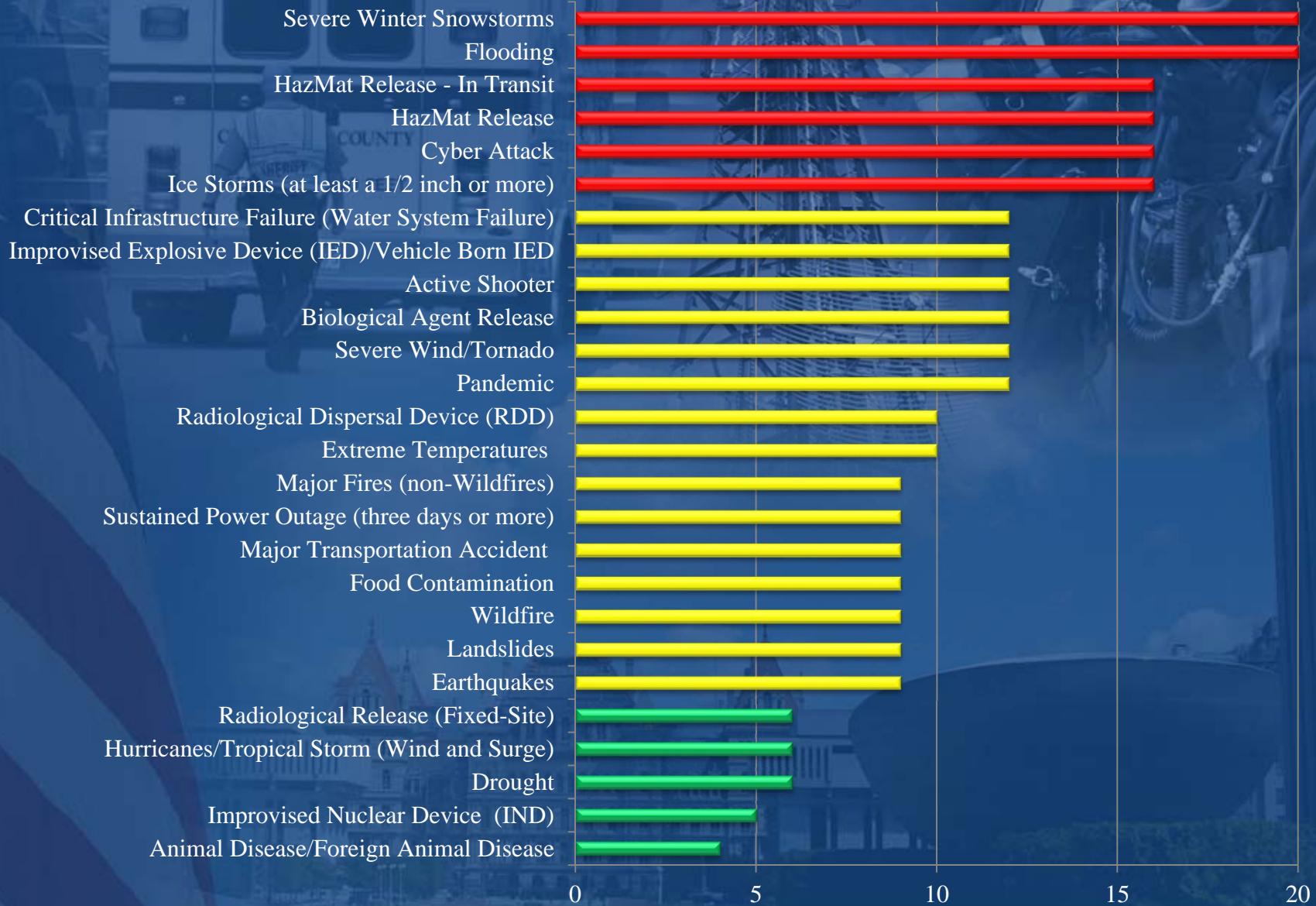
- **Sixteen (16)** of the Capabilities ranked High
- **Twelve (12)** of the Capabilities ranked Medium

Based on previous experience and pre-established plans and protocols, for major incidents, Albany County may request outside assistance most immediately in the following areas:

- CBRNE Response and Decontamination (due to existing mutual aid agreements)
- Debris Management

There are a variety of response resources within the County and a high degree of capability in most areas. The County also has strong regional partnerships in place and is working to enhance communication and collaboration with the municipalities within the County, to include the development of a Countywide mutual aid plan. There are several strengths/best practices within the County to include: having a dedicated meteorologist within the County Emergency Management Unit; a robust Citizen Corps /citizen preparedness program; the City of Albany's Critical Infrastructure Assessment Team; and a highly capable Fire Service within the County. The development of the new Interoperable Communications system, collaboration with the municipalities, and the socialization of emergency management plans should remain areas of continued focus.

Hazard Assessment



Hazard Assessment

Hazard	Likelihood	Consequence	Relative Risk Score
Flooding	Very High	High	20
Severe Winter Snowstorms	Very High	High	20
Ice Storms (at least a 1/2 inch or more)	High	High	16
Cyber Attack	High	High	16
Haz-Mat Release	High	High	16
Haz-Mat Release - In Transit (e.g., crude oil)	High	High	16
Pandemic	Medium	High	12
Severe Wind/Tornado	High	Medium	12
Biological Agent Release	Medium	High	12
Active Shooter	Medium	High	12
Improvised Explosive Device (IED)/Vehicle Born IED	Medium	High	12
Critical Infrastructure Failure (Water System Failure)	Medium	High	12
Extreme Temperatures	Very High	Low	10
Radiological Dispersal Device (RDD)	Low	Very High	10
Earthquakes	Medium	Medium	9
Landslides	Medium	Medium	9
Wildfire	Medium	Medium	9
Food Contamination	Medium	Medium	9
Major Transportation Accident	Medium	Medium	9
Sustained Power Outage (three days or more)	Medium	Medium	9
Major Fires (non-Wildfires)	Medium	Medium	9
Drought	Medium	Low	6
Hurricanes/Tropical Storm (Wind and Surge)	Medium	Low	6
Radiological Release (Fixed-Site)	Low	Medium	6
Improvised Nuclear Device (IND)	Very Low	Very High	5
Animal Disease/Foreign Animal Disease	Low	Low	4

Capability Assessment

- The Capability Assessment is conducted for 28 Critical Capabilities. Each capability is assessed based on a 1-5* ranking of the five “POETE” areas:

Planning

Organization (to include people)

Equipment

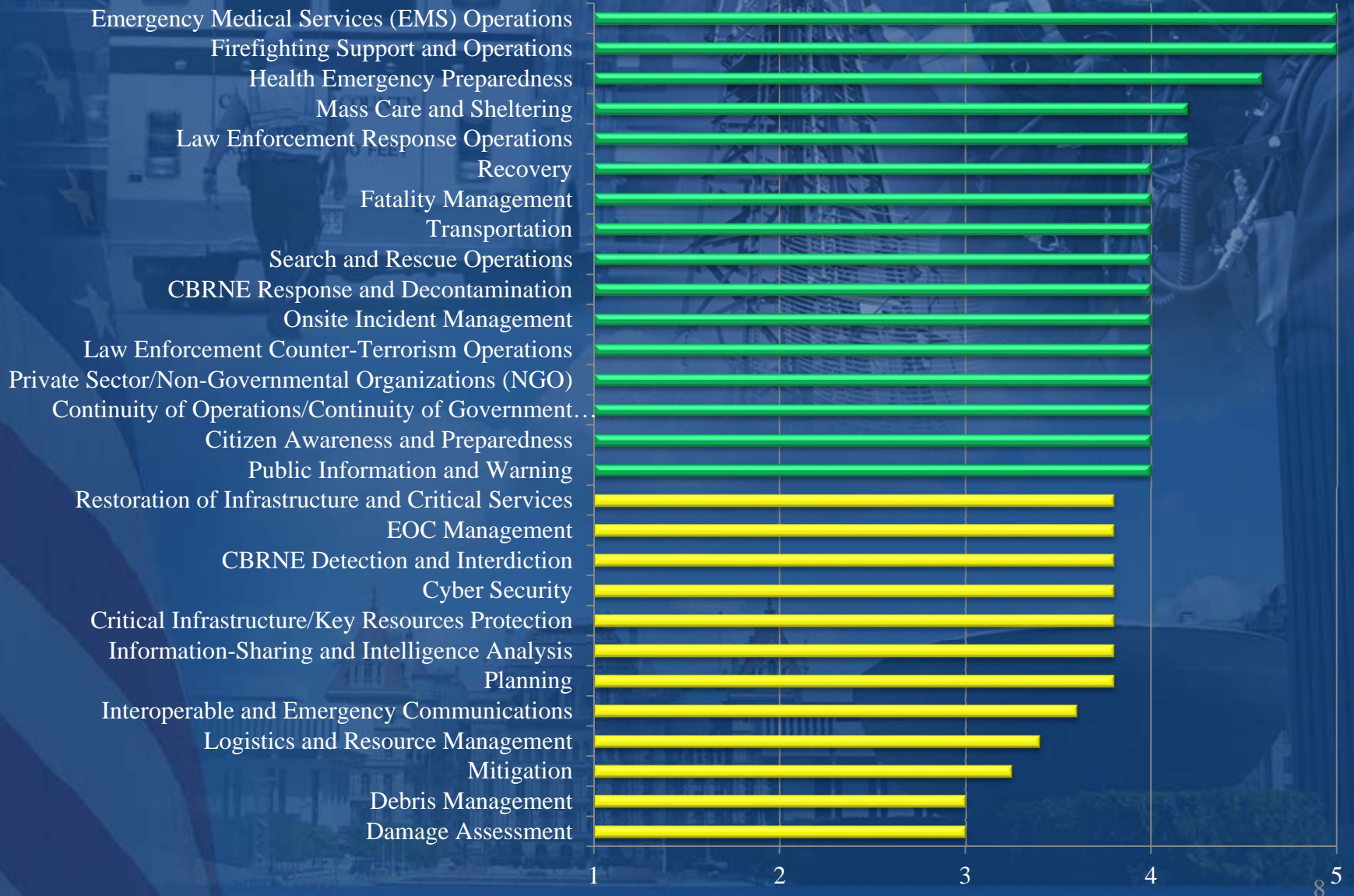
Training

Exercises (to include real world events)

- Each POETE score is averaged to provide the overall capability ranking.

* 1-5 POETE scale with specific guidance can be found at the end of this report.

Capability Assessment



Capability Assessment

Common (Overarching) Capabilities

Planning					
The ability to develop, validate, and maintain plans to address identified threats and hazards.					
P	O	E	T	E	Avg.
4	4	4	3	4	3.8
Capability Comments:					
<p>The County has a Comprehensive Emergency Management Plan (CEMP) which is reviewed annually. The County has a special needs/vulnerable population registry and this population is addressed in the CEMP. There are private sector partners that share their facility plans with the County. There is an active Local Emergency Planning Committee (LEPC) with private sector and media partners included. The County hosts quarterly meetings with municipalities (County-wide Emergency Management Group). The County would benefit from additional staffing in support for this capability and a new full time employee in County emergency management is coming on board. The County has a limited GIS capability to support planning activities. The County has a desire to further socialize their plans with County and municipal stakeholders. There are regular exercises to test County plans and there are corrective actions identified and a processes in place to address identified areas for improvement. Additional funding to support exercises would be beneficial; however, the short timeframe to spend grant funding makes it challenging to conduct exercises.</p>					

Interoperable and Emergency Communications					
The ability to ensure public safety agencies and other community partners can communicate with one another on demand, in real time, when needed, and when authorized.					
P	O	E	T	E	Avg.
4	4	4	3	3	3.6
Capability Comments:					
<p>The County has a Tactical Interoperable Communications Plan (TCIP) which was recently updated but the plan needs to be implemented throughout the County. The County is part of an Interoperable Communication Consortium and there is a dedicated Interoperable Coordinator. There is significant equipment available to implement an interoperable County-wide system and Albany Police and Fire are in the process of procuring updated radios. There is a desire to offer training on implementing the new system and the system will need to be fully tested and exercised.</p>					

Public Information and Warning

The ability to deliver coordinated, prompt, and actionable information to the public through the use of clear, consistent approaches and leveraging multiple delivery methods.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

There is a dedicated Public Information Officer (PIO) within the County Executive and Sheriff's Office. Most of the law enforcement agencies have policies and procedures in place regarding this capability. County Health has a Risk Communication Plan. The County has the ability to establish a Joint Information Center (JIC). Each municipality will call residents on the special needs registry as needed. The County and City of Albany has an active social media presence. The County is implementing a system to broadcast information directly from the EOC. The County is working to implement the Integrated Public Alert and Warning Systems (IPAWS). The Health Department participates in formalized risk communication training and has implemented message mapping with NGOs. National Incident Management System (NIMS) related on-line courses have been taken by staff related to this capability. This capability has been exercised and tested through real world events and identified areas for improvement are addressed.

Citizen Awareness and Preparedness

The ability to ensure citizens are fully aware, trained, and practiced on how to prevent, protect, prepare for, respond to, and recover from any threat or hazard.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

There is a very active Albany County Citizen Corp. There are policies and procedures in place. The City of Menands has a blast communication capability and is integrating with IPAWS. The American Red Cross (ARC) is an active partner with the County and neighborhood groups are leveraged to support this capability. The County has offered many trainings, works with municipalities and community based organizations, and pushes out a lot of awareness/preparedness materials.

Continuity of Operations/Continuity of Government

The ability to develop and implement plans and programs to maintain essential operations and government services during an emergency.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

There is a County-level COOP and COG plan and information technology recovery and provisions are in place to support continuity. Formalized plans at the municipal level vary. There are identified lines of succession within the County plan. There is back up generation at key facilities and redundant information technology infrastructure. There is a fiber redundancy with law enforcement within the County. Training to County employees on the County-level plan has occurred. A table top exercises was conducted for this capability.

Private Sector/Non- Governmental Organizations (NGOs)

The ability to coordinate with the private sector and other non-governmental organizations to leverage their resources and subject-matter expertise.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

Private and NGO partners are incorporated into County plans and in planning processes. Private sector facility level plans are provided to the County. Private sector partners are engaged in the LEPC. ARC is leveraged for mass care and sheltering. There is partnership with National Grid utility providers. Private sector partners are accommodated in the County EOCs. Private Sector/NGO partners, such as National Grid, Global, and CSX offers training to County and municipal level entities. Joint exercises have occurred.

Prevention/Protection Capabilities

Information Sharing and Intelligence Analysis

The ability to receive, analyze and distribute accurate, timely, and actionable information and intelligence to agencies and key stakeholders, including the private sector.

P	O	E	T	E	Avg.
4	4	4	3	4	3.8

Capability Comments:

There are plans, policies, and procedures in place. There is a regional Crime Analysis Center within the County. The County participates in the Counter Terrorism Zone (CTZ) and Joint Terrorism Task Force (JTTF) and information sharing occurs with the State Fusion Center. There are many area groups to share information, to include a Health Emergency Preparedness Coalition. There are dedicated Field Intelligence Officers (FIO) and Intelligence Liaison Officers (ILO). Training has occurred as a result of these programs but additional offerings would be beneficial. The systems and infrastructure needed to share information is available and there is a robust 4G capability within County. Information sharing is ongoing and tested daily.

Critical Infrastructure/Key Resource Protection

The ability to identify and protect critical infrastructure and key resource sites through risk management and by improving protections against all threats and hazards

P	O	E	T	E	Avg.
4	4	3	4	4	3.8

Capability Comments:

There are policies and procedures in place. The City of Albany has a dedicated assessment team and capacity is being expanded. There is some equipment available but access control equipment is expensive and additional funding would be beneficial. Training has occurred; however, training is labor intensive so there are outstanding training needs. Assessments are ongoing and this capability is tested through real world events.

Cyber Security

The ability to protect cyber networks and services from damages, unauthorized use and exploration, and restore systems that are compromised.

P	O	E	T	E	Avg.
4	4	4	3	4	3.8

Capability Comments:

There are policies and procedures in place (e.g., policy directives, acceptable use policies, etc.). There is a large investment in security related products. Information technology staff are well trained but additional employee/user training would be beneficial. There is redundancy built into the IT systems at a County and municipal level. There is a Chief Information Security Officer and cyber response team. The County would like to work more closely with the State Cyber Team. The County is well equipped, to include network intrusion detection, firewalls, malware detection, etc. Despite the financial investment, the equipment consistently needs updating due to rapid advances in technology.

CBRNE Detection and Interdiction

The ability to detect and interdict CBRNE materials at points of manufacture, transport, and use.

P	O	E	T	E	Avg.
4	4	4	3	4	3.8

Capability Comments:

There is a Forensic HazMat Team and the County is a part of a Four-County HazMat Consortium. There are explosive detection K-9's available within the County that train together regularly. The County works closely with the post office on biological detection. Training on equipment has occurred. Additional training would be beneficial especially due to staff turnover. This capability is tested during planned events. Areas for improvement have been identified.

Law Enforcement Counter-Terrorism Operations

The ability to support the range of activities taken by law enforcement to detect, investigate, and conduct operations related to potential terrorist activities.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

There is a Terrorism Annex in the CEMP. There is the organizational structure in place to support this capability. There is the necessary equipment in place, such as license plate readers (LPRs), surveillance equipment, cameras, etc. Awareness level training has been provided. Counter terrorism related exercises are occurring, there are also active CTZ participants who conduct in Red Team exercises.

Response Capabilities

EOC Management

The ability to establish and operate and Emergency Operations Center to support onsite incident management activities during an event.

P	O	E	T	E	Avg.
4	4	4	3	4	3.8

Capability Comments:

This capability is addressed in the CEMP. EOC staff understand their roles and responsibilities. The facility used for the EOC is expandable and there is back up generation and redundancy. The County uses D-LAN for its EOC software system. Equipment needs have been addressed. Municipal level EOC training and capacity was identified as a need (County would rate training as a four (4) but municipalities a three (3)).

Onsite Incident Management

The ability to establish a unified and coordinated operational structure at the scene of an incident.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

The County is well indoctrinated with the Incident Command System (ICS) and ICS is outlined within the CEMP. There is an organizational construct in place to support on scene incident management and municipalities are well organized and equipped. The County has mobile command capability, as do many municipalities. Due to changes of command within City Fire, ICS 300 - 400 level offerings are needed. This capability is exercised regularly through real world events.

CBRNE Response and Decontamination

The ability to assess and manage the consequences of a hazardous materials release, either accidental or intentional.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

This capability is well developed and there are strong regional partnerships in place. The Regional HazMat Team has a great deal of capability and resources, and there is a Forensic HazMat Team in place as well. This capability is very well tested and exercised.

Search and Rescue Operations

The ability to deliver search and rescue capabilities and assets to affect communities, with the goal of saving the greatest number of endangered lives in the shortest time possible.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

Plans, policies and procedures exist. There are several specialty teams at the County and municipal level. The County has a Search and Rescue Team, there are teams within the Fire Service. The County is well equipped but would like additional ATV/snowmobiles to support rescue efforts. While training and exercises have been offered, additional funding for overtime and backfill costs is needed.

Law Enforcement Response Operations

The ability to leverage law enforcement assets and specialty teams (e.g. Bomb Squads, SWAT Teams, Dive Teams) to support site security and response to terrorist attacks and other hazards.

P	O	E	T	E	Avg.
5	4	4	4	4	4.2

Capability Comments:

There are plans and procedures in place and MOUs at the County and municipal Level. There are dedicated law enforcement response teams at both the County and municipal levels and ongoing training. The State Police provides bomb squad support. The teams are well equipped. Mandated training occurs and there are no major training needs. Joint operations exercises have just occurred. While training occurs - having dedicated space to train would be beneficial. There are tactical medics imbedded with County and Municipal teams.

Firefighting Support and Operations

The ability to coordinate and implement fire suppression operations and support mutual aid within the fire service.

P	O	E	T	E	Avg.
5	5	5	5	5	5.0

Capability Comments:

The County has a Fire Mobilization and Mutual Aid Plan. The County is well covered by career and volunteer departments, but there are always recruitment and retention issues, although numbers in volunteer agencies are staying steady. Departments are well equipped for the most part and training and exercises occur regularly.

Mass Care and Sheltering

The ability to provide life-sustaining services to communities in need, with a focus on evacuating, sheltering, hydrating, and feeding the individuals most impacted during an event, including special needs populations.

P	O	E	T	E	Avg.
4	4	4	4	5	4.2

Capability Comments:

The County coordinates this capability with the ARC. County employees have been trained in sheltering and the County has the equipment needed for addressing special needs populations. There is a very strong capability for sheltering which includes access and functional needs populations. There is a companion animal sheltering capability as well. There is a cache of mass care and medical supplies at the County and municipal level.

Transportation

The ability to prioritize transportation infrastructure restoration to provide for the efficient movement of citizens, responders, and goods into and out of areas impacted during an event through the utilization of various transportation systems and routes.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

There is a Capital District Transportation Committee and strong planning and organizational constructs in place. There is a desire to build out evacuation plans and put signage on evacuation routes. There are MOUs in place to address transportation needs. The County is well equipped and has variety of transportation equipment.

Health Emergency Preparedness

The ability to support health emergency preparedness by developing and maintaining the ability to identify public health threats, provide medical countermeasures, and surge the hospital system to manage large numbers of sick or injured during any incident.

P	O	E	T	E	Avg.
5	4	5	5	4	4.6

Capability Comments:

There are many plans developed such as Public Health Emergency Response Plans, COOP, and Strategic National Stockpile (SNS) plans; all of which are reviewed annually. The County is part of a 16 County health emergency preparedness coalition. There is a strong Medical Reserve Corp. with 650 volunteers and County employees can be made available in large scale incidents. There are plans in place with ARC for additional staffing support if needed. There are no major outstanding equipment needs. The County Health Department maintains a three year training and exercise plan. County Health is very well integrated with County, municipal and community based partners. The capability is exercised annually and the County works to address identified areas for improvement.

Emergency Medical Services (EMS) Operations

The ability to appropriately dispatch EMS and provide suitable pre-hospital treatment and support to healthcare facilities.

P	O	E	T	E	Avg.
5	5	5	5	5	5.0

Capability Comments:

There is an EMS Mutual Aid Plan which was recently updated. There is a solid organizational construct in place and a strong mutual aid system. There are several Mass Casualty Incident (MCI) trailers and Albany Medical Center has a field hospital. Training is widespread - many continuing education opportunities are available. There is strong coordination with the Health Department and training for residents on CPR is offered. Due to the proximity to the airport, the County must participate in regular exercises to test this capability.

Fatality Management

The ability to provide effective, efficient mass fatality services to communities in need, including body recovery and victim identification, the development of temporary mortuary solutions, and coordination with victims' families.

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

There is a mass fatality annex in the in the CEMP and a strong organizational construct led by the County Coroner's Office. The plan includes partnering with the New York State Association of Funeral Directors. There is a cache of equipment in place and training and exercises have been conducted.

Logistics and Resource Management

The ability to identify, inventory, mobilize, and dispatch available critical resources (including those obtained via mutual aid and donations) and human capital throughout the duration of an incident.

P	O	E	T	E	Avg.
3	4	4	3	3	3.4

Capability Comments:

The logistics function is stood up within the EOC and the Time Union Center has been pre-identified as staging location with a loading dock. The County is working on a Intra-county Mutual Aid Plan. The County uses D-LAN, pencil/paper, and/or a spreadsheet to track assets. There are stockpile assets and Points of Dispensing (POD) sites identified. There is also a warehouse near the State stockpile in Guilderland. This capability was exercised extensively during Irene and Lee.

Damage Assessment

The ability to conduct damage assessments in conjunction with partners at multiple levels of government to help inform resources needed to ensure an efficient recovery from an incident.

P	O	E	T	E	Avg.
4	3	3	2	3	3.0

Capability Comments:

Damage assessment processes are outlined in the CEMP. The process is predetermined by the federal declaration process. The County leverages Code Enforcement Disaster Assistance Response (CEDAR) teams. The County has identified damage assessment officers such as building inspectors, engineers, etc. At time, providing damage assessment information to State is delayed. There are outstanding training needs with executives due to staffing turnover and time between disasters. There has been some exercising of this capability through real world events, but areas of improvement need to be addressed.

Debris Management

The ability to develop and maintain debris management plans to restore public services and ensure public health and safety in the aftermath of a disaster.

P	O	E	T	E	Avg.
4	4	3	2	2	3.0

Capability Comments:

Debris management is part of the CEMP. The County is reliant on DPW and has contracts in place for organizational support in large events and incidents. The County would benefit from additional equipment and/or contracts. Training for municipalities on Debris Plan would be beneficial.

Restoration of Infrastructure and Critical Services

The ability to initiate and sustain the restoration of critical services to affected communities, including drinking water, wastewater, electricity, transportation services, and economic services through effective planning and other related efforts.

P	O	E	T	E	Avg.
4	4	3	4	4	3.8

Capability Comments:

Most critical facilities have identified back up locations and plans, policies, procedures exist. Critical locations are prioritized. There is equipment but there many be needs based on how widespread incident is. Training has occurred with utility providers and this capability has been exercised through real world events.

Recovery/Mitigation Capabilities

Recovery

The ability to provide ongoing support to communities after a major incident occurs to help re-build affected areas and to increase their resiliency to face future incidents to include long-term housing and infrastructure replacement

P	O	E	T	E	Avg.
4	4	4	4	4	4.0

Capability Comments:

There is a proactive recovery planning process in place and the County has the ability to set up disaster recovery centers. The County begins to coordinate recovery with the State early on in any incident that may result in a federal declaration. County-level staff are well trained but additional training at the municipal level would be beneficial. Real world incidents have regularly test this capability.

Mitigation

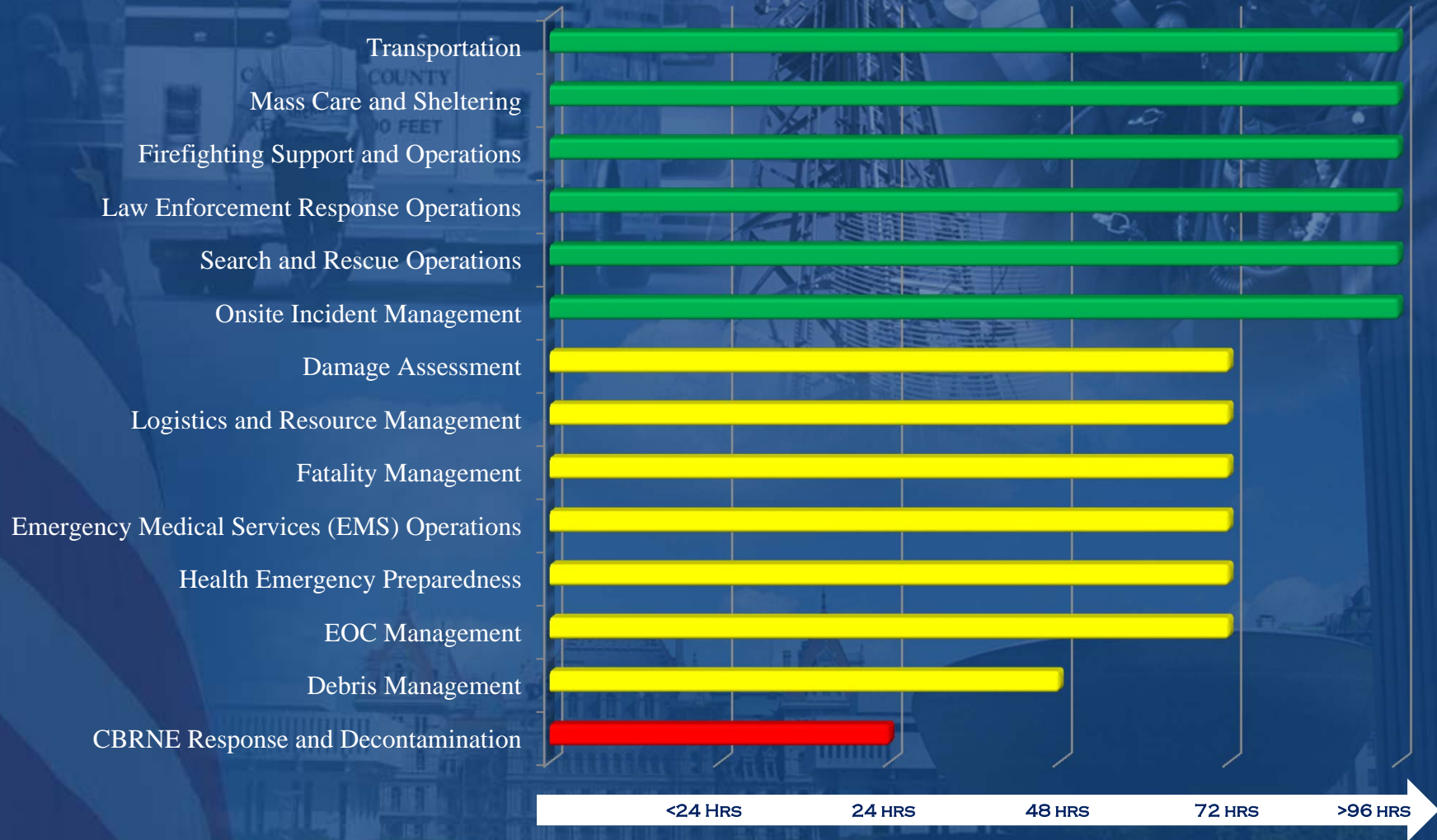
The ability to, through traditional mitigation programs and other efforts build and sustain resilient systems, communities, and infrastructure to reduce their vulnerability to any threat or hazard.

P	O	E	T	E	Avg.
4	3	N/A	3	3	3.3

Capability Comments:

The County is working on a County-wide Mitigation plan that will be inclusive on the municipalities. The County is re-establishing a working group to update the plan. Public assistance workshops are held in the County that have a dedicated mitigation component. More training and exercising (through the plan development) will occur.

Response Capacity



Response Capacity

Capability	Based on current capacity and your experiences with previous disasters, how long can you deliver this capability without assistance from outside the County?
Onsite Incident Management	More than 96 Hours
Search and Rescue Operations	More than 96 Hours
Law Enforcement Response Operations	More than 96 Hours
Firefighting Support and Operations	More than 96 Hours
Mass Care and Sheltering	More than 96 Hours
Transportation	More than 96 Hours
EOC Management	72 Hours
Health Emergency Preparedness	72 Hours
Emergency Medical Services (EMS) Operations	72 Hours
Fatality Management	72 Hours
Logistics and Resource Management	72 Hours
Damage Assessment	72 Hours
Debris Management	48 Hours
CBRNE Response and Decontamination	24 Hours

Resource Inventory

Key Response Resources	Within County	Comments
Mobile Communication Vehicles	1	City of Albany
Mobile Command Centers	5	County, Guilderland, Bethlehem, Colonie, and City of Albany
Emergency Operation Centers	1	County with some capability at the municipal level
Snow Plows	30	Town, Villages & Cities (additional 68)
Potable Water Tankers	0	
Light Towers	9	City of Albany (5) County (4)
IMT	0	
Bomb Squad	0	Utilizes NYSP
Explosive Detection K-9	2	City, County
HazMat Team	2	1 Regional HazMat Team, 1 Regional Forensic HazMat
Tactical/SWAT	3	County ERT, Colonie, Special Services Team, Albany, EST Team,
Technical Rescue: USAR Teams	1	City - Heavy Rescue
Technical Rescue: Swift Water	3	Guilderland, Slingerlands, County
Technical Rescue: Structural Collapse	4	Colonie, Latham, Westmere, Slingerlands
Technical Rescue: Other		Dive Team within City Fire Dept.
Mass Care Supplies		Colonie, Collapse and Trench Rescue, Forensic HazMat Team
Cots, blankets, pillows, comfort kits		The County has some toiletry kits
Food, water		The County has some MREs
Pet sheltering supplies	1	The County has a regional CART trailers
MCI Trailer	1	
Pickup Trucks with plows	13	Town, Villages & Cities (additional 32)
Loaders	8	Town, Villages & Cities (additional 18)
Large Snow Blowers	2	Town, Villages & Cities (additional 1)
Generators	5	

Anticipated Resource Needs

Discipline	Anticipated Resource Needs
Emergency Management/Fire Services	Incident Management Team (IMT), EOC Support
Law Enforcement	Bomb Squad and Aviation Support
Public Health	SNS supplies
Transportation/Public Works	Jersey barriers, pumps, SEFC

Strengths and Strategies to Enhance Preparedness

County Strengths: *Highlight some strengths and possible best practices of others to consider:*

- The County has a nationally recognized Citizen Corp. program and a robust MRC. There is a dedicated website for volunteers and citizen awareness.
- There is a well-established Health Emergency Operation Council within County as part of the Health Emergency Preparedness Coalition.
- The County Emergency Management Unit has a dedicated meteorologist on staff (part time).
- The City of Albany Critical Infrastructure Assessment Team is very capable and best practice.
- The County has a strong four County relationship with Capital District partners as part of the regional HazMat Team.
- There is a strong partnership with State partners as the County is home to many State agencies/employees.
- There are strong Private Sector/NGO partnership in place and attendance at regular meetings.
- There is a strong fire service capability within the County, to include both career and volunteer departments.
- The County has done extensive work to enhance the Mass Care and Sheltering capability, to include planning for special needs/vulnerable.
- Significant progress has been made related to County-level COOP/COG plans.
- There are numerous specialty response teams available within the County, to include tactical EMS and a Forensic HazMat Team.

Areas for Enhancement: *Highlight some key capability areas for enhancement:*

- Continued socialization and formalization of emergency management plans (e.g., debris management plan).
- Additional training for damage assessment and debris management.
- Continued outreach and coordination between County and municipal level stakeholders.
- Further development of the new County interoperable communication system, to include additional training for municipal agencies.
- More focus on coordinated and comprehensive evacuation planning.
- Development of protocols for severe weather/outdoor special events - public information of severe weather information.

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Scales

Hazard Assessment <i>(based on a credible worst-case threat)</i>	
<i>Likelihood</i>	
Very High	This event is expected to occur, without question, based on historical precedence in this county (natural/accidental hazards) or current intelligence reporting (terrorism threats).
High	It is likely that this event will occur in this county based on historical precedence (natural/accidental hazards) or current intelligence reporting (terrorism threats).
Medium	This event could occur, but it generally does not happen with any regular frequency in this county (natural/accidental hazards) and current intelligence does not indicate that it is an imminent threat (for terrorism).
Low	There is the potential for this event to occur, but it is very unlikely in this county .
Very Low	This event is not expected to occur within this county.
<i>Consequence</i>	
Very High	This event would have a devastating (or potentially catastrophic) impact on the people, responders, property and economy in this county; all mutual aid networks (local, State, and Federal) would be immediately utilized and government functions would severely or wholly be compromised.
High	The impact of this event would be very significant on the people, responders, property and economy in this county; significant mutual aid resources would be called in from surrounding counties, the State, and the Federal government.
Medium	The impact of this event would be noticeable on the people, responders, property and economy in this county; mutual aid would likely be needed from other counties and/or the State.
Low	The impact of this event would be minimal on the people, responders, property, and economy in this county; response could generally be done without mutual aid.
Very Low	This event would cause virtually no impact on the people, responders, property and economy in this county.

Capability Assessment

POETE (Planning, Organization, Equipment, Training, and Exercises)

Specific guidelines per POETE element:

1 Very Low	Recognition of the need but little or no effort or resources devoted to develop this element of the capability	<p>Planning: No relevant plans, policies/procedures exist</p> <p>Organization: 0-20% of the required organizational structure/staffing exists</p> <p>Equipment: 0-20% of the required equipment exists (to include facilities and materials)</p> <p>Training: 0-20% of the required training has been conducted</p> <p>Exercises: No exercises/real-world incidents have occurred in the past 5 years</p>
2 Low	Initial efforts and resources underway to develop this element of the capability	<p>Planning: plans, policies/procedures exist</p> <p>Organization: 21-40% of the required organizational structure/staffing exists</p> <p>Equipment: 21-40% of the required equipment exists (to include facilities and materials)</p> <p>Training: 21-40% of the required training has been conducted</p> <p>Exercises: Exercises/real-world incidents have occurred; areas for improvement have been identified but <u>not</u> addressed</p>
3 Medium	Moderate progress towards developing this element of the capability	<p>Planning: Plans, policies/procedures are complete, but require an update or need to be formalized</p> <p>Organization: 41-60% of the required organizational structure/staffing exists</p> <p>Equipment: 41-60% of the required equipment exists (to include facilities and materials)</p> <p>Training: 41-60% of the required training has been conducted</p> <p>Exercises: Exercises/real-word incidents have occurred; <u>some</u> identified areas for improvement addressed</p>
4 High	Significant efforts underway and this element of the capability nearly developed	<p>Planning: Plans, policies/procedures are complete and have been updated within the past 5 years</p> <p>Organization: 61-80% of the required organizational structure/staffing exists</p> <p>Equipment: 61-80% of the required equipment exists (to include facilities and materials)</p> <p>Training: 61-80% of the required training has been conducted</p> <p>Exercises: Exercises/real-world incidents have occurred; <u>most</u> (more than 50%) identified areas for improvement have been addressed</p>
5 Very High	Element of the capability is fully developed and resources devoted to sustain the effort	<p>Planning: Plans, policies/procedures are complete, up-to-date, and verified through exercises or real-world events</p> <p>Organization: 81-100% of the required organizational structure/staffing exists</p> <p>Equipment: 81-100% of the required equipment exists (to include facilities and materials)</p> <p>Training: 81-100% of the required training has been conducted</p> <p>Exercises: Exercises/real-world incidents have occurred; <u>all</u> (100%) identified areas for improvement have been addressed</p>

Appendix E
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