



ANNEX C

Public Works and Infrastructure

ESF #1 (Transportation), #3 (Public Works), #5 (Information Planning), #12 (Energy), #18 (Government Facilities, Private Companies, and Entities)

Introduction

In a post-incident catastrophic response scenario, there must be sufficient protocols and processes established and operational that allow for the reconstruction of critical infrastructure elements if they are structurally compromised or destroyed. Accordingly, this mandate requires the capability to implement short- and long-term recovery and mitigation processes after an incident. This includes identifying the extent of physical and structural damage to buildings and structures within a community that are impacted by an incident, conducting thorough post-event assessments, and determining and provisioning the requisite level of support needed to recover, restore, redevelop and rebuild critical infrastructure elements and to minimize and mitigate future losses from a similar event.

Hurricanes, floods, severe weather, hazardous material accidents, and other emergencies may cause extensive damage to infrastructure elements which are critical to the recovery of the community following a disaster. These public works, communications and transportation, energy, and government infrastructure and facilities are vital to the overall recovery effort of the area on both a short-term and long-term basis, and return the community to the point of being self-sustaining. However, based on the strength and magnitude of the catastrophic event, it may be beyond the capability of local government to respond to all of the immediate needs that are identified. In addition, it may be even longer to assess the needs and requirements that are discovered or uncovered long after the incident has been resolved. Therefore, it is important that these critical elements within the community's infrastructure have the ability to access their facilities and perform basic recovery activities such as damage assessment and securing property, as well as commencing their own recovery operations.

In the event of a Category 5 hurricane, it is projected that Industrial and commercial structures will fare even worse from wind damage than will residential structures. Of the projected 87,000 industrial and commercial structures that sustain wind damage, 80 percent will be either severely damaged or destroyed. This represents 63 percent of all industrial and commercial structures in the nine-county region.

The ESFs responsible for fulfilling this role are ESF 1 (Transportation), ESF 2 (Communications), ESF 3 (Public Works & Engineering), ESF 13 (Federal ESF 12 Energy) and ESF 18 (Business and Industry). In addition, ESF 3 and ESF 12 will work in conjunction as a representative of all County public utilities.

Each of these ESF's roles within the catastrophic environment is described below.



ESF 1 (Transportation)

Transportation into an impacted area will be challenging as a result of the expected damage to the transportation infrastructure due to a hurricane (or a variety of other catastrophic incidents). The region's major causeways (Howard Frankland Bridge, Gandy Bridge, Courtney Campbell Causeway and the Skyway Bridge) are extremely vulnerable to surge and erosion and wind damage. In addition the bridges connecting the barrier island chains to the mainland as well as those inland would be vulnerable. The loss of any of these facilities or the main arterials (US 19, SR 50, 52, 54, 60, 64 or 72) would be critical to responders for search and rescue and recovery operations. Transporting heavy equipment and other resources will require unique transportation solutions. ESF 1 will monitor and coordinate with ESF 3 (Public Works and Engineering) to assess, restore and recover transportation systems and infrastructure.

Railroad owners of any commercial rail lines that pass through the county are solely responsible for damage assessments and repair. CSX and Amtrak are the two railroad companies that utilize the hundreds of miles of main track that pass through the region.

Maritime security and safety within region's navigable waterways is the shared responsibility of the law enforcement, the United States Coast Guard (USCG), the Florida Fish and Wildlife Conservation Commission (FWC), and the Florida DEP. Each entity is responsible for monitoring the safety and security of different parts of region's navigable waterways.

For more detailed information on the functions and resources provided by ESF 1 refer to the County CEMPs.

ESF 2 (Communications)¹

A catastrophic disaster may result in considerable damage to communication tower sites and cause a loss of police, fire rescue and local government radio communications. Following a catastrophe, ESF 2 should immediately take the necessary actions needed to support the maintenance and/or restoration of the communications infrastructure and provide communications support to response efforts.

When communication requests are placed to the County EOC, ESF 2 will be responsible for programming radios, making sure that their batteries are charged, and distributing them as needed. During a situation where the 800 MHz trunked radio system becomes damaged, ESF 2 will be responsible for providing radio kits that can be used to operate a 450 MHz system which relies solely on the central communications tower. In addition, the county emergency management and responders have an inventory of portable units.

If the radio communications system becomes crippled, the county emergency management agency will rely on the Radio Amateur Civil Emergency Services (RACES) to establish communication channels with local, state, and federal responders in the region, as there are no mobile communications vehicles available in the region. Otherwise, the

¹ Pasco County Catastrophic Annex



primary mission of RACES should be to provide communications between public shelters and the EOC.

In addition to the 800 MHz and 450 MHz wireless radio communication systems used to facilitate communication between County agencies for field-based operations, there are a number of voice communication systems used by Pasco County residents and the private sector. Land line telephone services are provided by the three independent carriers, Verizon, Embarq, and AT&T. In addition, digital telephone services are provided to county residents through two independent carriers, Verizon (FIOS) and Bright House Networks. Lastly, there are six cellular telephone companies that provide service coverage in the region. These are: Verizon Wireless, Sprint/Nextel, AT&T Wireless, T-Mobile, Metro PCS, and Virgin Mobile. When needed and to the extent possible, ESF 2 will support the maintenance and repair of land line, digital, and cellular communication systems to ensure that they are available to county residents.

To provide information updates to citizens following a catastrophic event, the Counties will rely on a variety of community notification systems (public warning systems). These include the Emergency Alert System (EAS), National Oceanic Atmospheric Administration (NOAA) weather radios, and social media.

For more detailed information on the functions and resources provided by ESF 2, please refer to the County CEMP.

ESF 3 (Public Works & Engineering)²

A catastrophic disaster may cause significant property damage to homes, public buildings, bridges, and other facilities that must then be reinforced, demolished or isolated to ensure their safety. Streets, highways and other forms of transportation and related infrastructures may also be damaged or unusable in the aftermath of a catastrophe. As a result, ESF 3 response activities may be hampered by insufficient resources, damaged equipment and disrupted communications. ESF 3 must be prepared to coordinate and manage the response to these conditions until state and federal resources arrive.

Immediately following a catastrophic incident, ESF 3 will be tasked with conducting damage assessment of the county's infrastructure. These initial damage assessments are needed to identify resource needs and conduct gap analysis, prioritize response efforts, evaluate structural safety, initiate actions to reopen facilities, and restore county government operations. In addition, ESF 3 should coordinate with ESF 1 (Transportation) to conduct damage assessments of the Counties' roadways. ESF 3 will coordinate road clearing and signal restoration activities with FDOT, Florida Power and Light (FPL), TECO, Progress Energy, and any power co-ops.

In addition to building damage, debris volumes following a catastrophic event will likely be very large, requiring large-scale, countywide operations for debris pickup, transport, and disposal. Furthermore, due to the number of incorporated municipalities and special districts, each of which is responsible for debris management, effective inter-jurisdictional

² Pasco County Catastrophic Incident Annex



cooperation and coordination are critical to successfully managing debris cleanup operations. To assure the county gets maximum federal reimbursement, ESF 3 staff must ensure that documentation of debris management operations is complete and accurate.

For more detailed information on the functions and resources provided by ESF 3 including other backup communications systems, please refer to the County CEMP.

ESF 12 (Utilities)

A major catastrophic disaster may cause public utility and flood control system damage at any location throughout the county. Power lines, telephone equipment, gas mains, water plants, water distribution systems, sewer plants, sewer collection and transmission systems, and drainage systems may be destroyed or damaged and must either be restored or repaired. ESF 3 (Public Works and Engineering) is responsible for supporting and maintaining water, waste water, and solid waste utilities, whereas ESF 13 (Energy/Federal ESF#12) holds the responsibility of supporting and maintaining the region's energy suppliers.

Together, ESF 3 and ESF 13 (Energy/Federal ESF #12) are comprised of personnel representing water, waste water, solid waste, electricity, and gas utilities. In addition, ESF 3 coordinates water, wastewater and drainage emergency operations with the SWFWMD and all County drainage districts.

Immediately after an event, both ESF 3 and ESF 13 will help to compile utility damage assessment information. Utility representatives will maintain contact with their respective utilities and relay information regarding operations to the County EOC. Each emergency situation will be unique and will require personnel to make decisions based on the best information available. The overarching priorities for ESF 3 and ESF 13 operations are:

- Clearance of debris and repair of drainage systems.
- Repair of raw water wells and water treatment plants to the extent required for essential services.
- Repair of water distribution systems, especially to those serving hospitals, nursing homes, shelters, and other public health and safety facilities.
- Repair of wastewater treatment plants to the extent required for essential services.
- Repair of wastewater collection and transmission systems, especially to those serving hospitals, nursing homes, shelters, and other public health and safety facilities.
- Energy priorities are determined in accordance with power companies' disaster recovery plans. Critical facilities such as hospitals and nursing homes should receive first priority.

The restoration of commercial telephone lines and other communication services will be conducted concurrently by ESF 2 to support residents and community recovery efforts.

ESF #18 Business and Industry



The purpose of Emergency Support Function (ESF) 18 is to coordinate local, state and federal agency actions that will provide immediate and short-term assistance for the needs of business, industry and economic stabilization. Preparedness and response assistance may include accessing the financial, workforce, technical, and community resources that may affect a community's ability to restore business operations as quickly as possible and resume focus on long-term business strategies. Coordination of local, state and federal business assistance is done primarily through networks of local and regional economic, workforce and tourism development partners, as well as business support organizations who determine the most efficient and effective ways to manage the access to these services at the local and regional level. ESF 18 will support the State Emergency Response Team's (SERT's) efforts via identification and solicitation of resources to meet identified needs. ESF 18 will also support SERT efforts by facilitating and coordinating the delivery intermediate and long term economic impact statements.

The restoration of infrastructure is designed to provide, in both a coordinated and collaborative manner, the resources of member agencies to support emergency transportation needs during an emergency event. ESF #5 is responsible for collecting, evaluation, and dissemination operational information pertaining to the incident. This Section maintains information and intelligence on the current and forecasted situation, as well as the status of the resources assigned to the incident. ESF #5 prepares and documents Incident Action Plans, incident maps, gathers, and disseminates information and intelligence critical to the incident'

The **Information and Planning** function is responsible for the collection, evaluation, and dissemination of operational information regarding the incident. In addition, the Information and Planning function maintains information and intelligence on the current and forecasted situation, as well as the status of the resources that are allocated to the incident. In addition, this function is also responsible for the preparation and documentation of the Incident Action Plans, and the dissemination of incident maps. Finally, the Information and Planning function is responsible for gathering and disseminating actionable information and intelligence critical to the incident. Depending on the nature and extent of the incident itself, the following units may be incorporated under the overarching umbrella of the Emergency Management function.

- The *Resource Unit* ensures that all assigned personnel and resources have checked in at incident site or other pre-assigned or pre-designated location. The *Resource Unit* is also responsible for monitoring and tracking in real-time mode the current location and status of all incident-based resources and assets. It also maintains a master list of all resources actually committed to the incident as well as those which are awaiting potential deployment.
- The *Situation Unit* collects, processes, and organizes ongoing situation information, prepares situation summaries, develops projections and forecasts of future events related to the incident, prepares maps, and gathers and disseminates information and intelligence for use in the Incident Action Plan.
- The *Documentation Unit* maintains accurate and complete incident files, including a complete record of the major steps taken to resolve the incident. The *Documentation Unit* also compiles and publishes the Incident Action Plan (IAP)



and maintains the files and records that are developed as part of the overall IAP and incident planning function.

- The *Demobilization Unit* develops an Incident Demobilization Plan that includes specific instructions for all personnel and resources that will require demobilization, as applicable, once the incident has been resolved.

These four functional units are designed to operate in an integrated and seamless fashion throughout the incident management process in order to ensure the timely flow of disseminated incident information.

Basic Public Works and Infrastructure Functions and Responsibilities

The coordination of state agencies and organizations involved in assisting the region relative to public works and infrastructure preservation includes the performance of tasks related to preparedness, response, recovery and mitigation where local resources are not sufficient and local government entities request state assistance. Included among the related tasks are the following:

- Provide information and training on implementing support to the region and local communities.
- Provide public works and infrastructure damage assessments to SERT.
- Provide recovery assistance to organizations of all sizes in all the public works, transportation, and communications sectors through the networks of state, regional and local partners.
- Interface and coordinate with the SERT Plans section to ensure that information is provided on the assessment of overall physical and structural damage to the affected infrastructure component before, during and after the disaster.
- Coordinate and facilitate communication between the affected infrastructure components and the SERT Logistics Section.
- Coordinate with the SERT External Affairs to support public education efforts, press releases, media interviews, and distribution of printed materials that describes the available resources and business assistance initiatives, including small business assistance centers and workshops, which are being activated in each impacted community.
- Coordinate and facilitate the delivery of a comprehensive infrastructure impact statement as appropriate based on the disaster event type.
- Serve as a member of the State of Florida's Intergovernmental Team to deliver accurate information regarding the infrastructure impact of the disaster on the local communities and industry sectors.
- Coordinate with local governments to assess and determine general infrastructure, transportation, communications and public works needs.
- Coordinate and facilitate pre and post event workshops for educating and training in disaster preparation and continuity planning and recovery.
- Debris clearance from multi-modal transportation, communications, and public works infrastructures.
- The closure and repair of damaged segments of multi-modal transportation infrastructure.



- Repair and restoration of damaged public works systems (e.g. water, sanitary sewage, storm water collection, etc.).
- Demolish or stabilize damaged public and private houses, and structures to facilitate search and rescue and/or protect the public's health and safety.
- Develop and initiate procedures for the collection, sorting, and disposal of debris, and establish routes and sites for debris clearance from public and private property.
- Assess and determine levels of damage to the following public works and infrastructure systems: transportation, communications, water, electrical, natural gas, sewage, hazardous materials and hazardous waste sites.
- Assist in Rapid Impact Assessment with personnel to deploy with established teams to the areas with greatest damage.
- Coordinate prioritization and initiate recovery efforts to restore, repair, and mitigate the impact of public works and engineering needs.
- Provide technical assistance with respect to flooding, water management, structure integrity assessments, and impact assessments of infrastructure.

Organization

Personnel in the infrastructure and public works restoration function will be subject matter experts who, as managers and skilled professionals, have the requisite subject knowledge, and operations personnel qualified to expedite decisions. Participating agencies will be required to develop plans and procedures that support their ESF assignments relative to the function of public works and infrastructure restoration.

Operational Objectives

Preparedness Objectives

- Education and training of business community, local and regional organizations and staff.
- Encourage and coordinate local agencies/organizations and resource organizations participation in disaster exercises.
- Work with the state coordinating officer to encourage local public works and infrastructure organizations to become emergency operations partners and build local teams and networks.
- Assist in releasing information annually on disaster planning and safety for businesses through news releases, electronic advisories, or printed materials/brochures.
- Develop and maintain a database of all county/local primary and secondary infrastructure and public works facilities and emergency contractors.
- Assist local governments in identifying financial or other resources that may be employed to assist in immediate and long-term infrastructure and public works recovery efforts.
- Develop and maintain a database of agencies and private organizations that will provide additional support to conduct emergency support for public works and



infrastructure recovery in any impacted community. This will include information on the type of services being offered, number of volunteers, resources available, and contact person with telephone numbers and logistical abilities of each agency.

- Coordinate and maintain data networks and capacity to facilitate expeditious delivery of comprehensive public works and economic infrastructure impact statements as necessary.

Response Objectives

- Maintain a roster of support agencies/organizations emergency coordinators.
- Coordinate with ESF 2 and the Plans Section to both provide and disseminate information pertinent to assisting in emergency response and recovery to impacted public works facilities and infrastructure elements.
- Coordinate initial assessment of general infrastructure impact through coordination of locally based resources and organizations to determine level of damage or compromised services.

Recovery Objectives

- Continue to coordinate assessments of general infrastructure, transportation, and public works impact (in terms of physical damage, lost or interrupted services, etc.) working with locally based support agencies/organizations.
- Coordinate with state, regional and local agencies/organizations, to compile estimates of physical damage to local infrastructure and public works facilities.
- Coordinate the compilation of longer-term economic impact assessment of general service impact (in terms of employment, lost revenues, service interruption or losses) through locally based support agencies/organizations.
- Coordinate the development and delivery of comprehensive intermediate and long term infrastructure, transportation, and communications impact statements.
- Contact and maintain communications with the private sector, local and statewide economic development, tourism, workforce and business support organizations and state agencies to foster participation in ESF activities.
- Participate in long-term recovery activities involving state and federal agencies. Facilitate and coordinate the involvement and participation of local and regional infrastructure, public works, and transportation development at the local level.



Mitigation Objectives

- Facilitate the identification of and access to sources of infrastructure, public works, transportation, and communications financing that augment existing state and community resources that enhance mitigation efforts.
- Coordinate participation of local partners on Hazard Mitigation Assessment Teams.

Direction and Control

- The activities initially will be coordinated through the State Emergency Operations Center (SEOC) in consultation with the Department of Community Affairs.
- ESF participating agencies and organizations, state, district and county coordinators will be the contact at the local level for coordination.

Existing MOUs/MOAs

Southeastern Electric Exchange – Mutual assistance for private electric utilities; mutual assistance for electric co-ops; mutual assistance for gas companies; MOUs between counties that establish mutual aid compacts.

Suggested Support Partners:

Local and regional public works providers (electric, water, gas) and local and regional transportation agencies (PSTA, HARTline, Hillsborough County Aviation Authority), United States Coast Guard, Tampa Port Authority.

Basic Planning Assumptions – Public Works and Infrastructure³

1. The nature and scope of a catastrophic incident will immediately overwhelm State and Local response capabilities, this requires that counties understand and be able to clearly articulate their resource needs.
2. The assets outlined in response strategies may not be available at the time of a catastrophic event due to needs at their home institution, family requirements, etc.

³ Catastrophic Incident Supplement to the National Response Plan (2005)



3. A catastrophic incident will present a dynamic response and recovery environment requiring that response plans and strategies be flexible enough to effectively address emerging or transforming needs and requirements.
4. County and State must commence immediately in order to save lives, prevent human suffering, and mitigate severe damage.
The majority of deployment-dependent Federal response resources are not likely to provide significant lifesaving or life-sustaining capabilities until 18-36 hours post event.
5. The response capabilities and resources of the local jurisdiction (to include mutual aid from surrounding jurisdictions and response support from the State) may be insufficient and quickly overwhelmed.
6. Local emergency personnel who normally respond to incidents may be among those affected and unable to perform their duties.
7. A catastrophic incident will present a dynamic response and recovery environment requiring that response plans and strategies be flexible enough to effectively address emerging or transforming needs and requirements.
8. The incident may result in significant to massive disruption of the area's critical infrastructure, such as energy, transportation, telecommunication, public health, and medical systems.
9. Emergency protective action recommendations to the public will likely lack detailed assessment data.
10. Essential personnel outlined in response strategies may not be available at the time of a catastrophic event due to family requirements. Therefore, organizations should have mutual aid agreements with similar organizations outside of the region/state in place and prepared to deploy to assist when requested.
11. Debris clearing operation sites: 30-40% damage to operations, 20% of the workforce is unaccounted;
12. Electric and gas utilities: 30- 75% damage to operations, 15% of the workforce is unaccounted for
13. Water and wastewater facility operations: 50-60% damage, 10% of the workforce is unaccounted
14. Telecom cell phone towers barely operational, phone service will be limited and remnants of the cell phone system are overloaded
15. Transportation: 40-75% damage to operation centers, 10% of the workforce is unaccounted;
16. Only 10 percent of 1,026 schools in the region are functional
17. Approximately 58 percent of the 3.3 million people in the region are impacted (222,000 seek temporary shelter)
18. Estimated \$250 billion in economic losses (physical structure and loss of use for commercial entities)



19. Regional economic losses from damages to the Port of Tampa and Port Manatee not factored in economic losses, but with an annual economic impact of more than \$8 billion and directly and indirect employment of more than 100,000 assumed to have devastating impact on commercial supply chains and international trade in the regional cooperative alliance.

Other Issue Points

It is imperative to be able to conduct a quick rapid assessment of impact areas post incident; understanding that a thorough assessment can not be conducted immediately post incident, as life safety issues are primary. However, structural integrity, flooding, etc. are critical aspects to life safety and must also be taken into account.

- Has owning agency worked to develop teams to deploy immediately post event to conduct rapid assessments?
- Are current plans for the deployment of assessment teams coordinated with partner agencies (e.g. law enforcement, fire rescue, etc)?
- Do existing plans distinguish between small incidents and the requirements of a large-scale and/or catastrophic incident?
- Has owning agency worked with sister agencies to determine prioritizes for assessments and immediate restoration efforts?
- Have debris clearance routes been articulated and coordinated with sister agencies?
- What are the mechanisms to determine road closures and communicate this with response partners and general public post event?
- Do public works and engineering teams conduct field deployments with Urban Search and Rescue Teams to assist in demolition of homes? How is this effort coordinated? is it feasible?
- Has owning agencies pre-identified potential asset needs? What is the process to request resources?

Operations: Roles and Responsibilities

Working Group #3 Critical Infrastructure/ Public Works and Engineering ESF #1 Transportation

Level	Primary Agency	Support Agencies
National	Department of Transportation	Department of Agriculture Department of Commerce Department of Defense Department of Energy Department of Homeland Security Department of the Interior Department of Justice Department of State General Services Administration U.S. Postal Service



Level	Primary Agency	Support Agencies
State	Florida Department of Transportation	Florida Wing of the Civil Air Patrol, the five (5) Water Management Districts, Department of Management Services, Department of Agriculture & Consumer Services, Department of Environmental Protection, Department of Corrections, Florida Department of Law Enforcement, Department of Highway Safety & Motor Vehicles, Department of Military Affairs, Department of Community Affairs, Division of Emergency Management
Regional		
Citrus	Citrus County Transit	Nature Coast Emergency Medical Services Citrus County Fleet Management Division Citrus County School Board
Hardee	Hardee County School Board	Hardee County Office of Emergency Management Hardee County Public Works Hardee County Purchasing Agent Hardee County Sheriff's Department Hardee County Fire Rescue Taxi Services Grimsley Oil Company Hardee County Budget Office Hardee County Human Resources Community Development Municipalities ARES/RACES
Hernando	Hernando County School Board (HCSB)	Hernando County Emergency Management Hernando County Sheriffs Office Mid-Florida Transportation Services
Hillsborough	County Disaster Transportation Resources Group: Emergency Management, County Sunshine Line, Hillsborough Area Regional Transit (HART) and School Board Transportation	Hillsborough County Fire Rescue Tampa Fire Rescue Public Works Basic life support (BLS) ambulance companies Parks, Recreation & Conservation Solid Waste Management



Level	Primary Agency	Support Agencies
Manatee	Manatee County Transportation Department	Manatee County Utility Operations Department Manatee County School Board Florida Fire Chiefs Association Manatee County Community Services - Transit Division Manatee County Emergency Medical Services The Purchasing Division of Financial Management Manatee County Project Management Land Information Systems Division Manatee County Parks & Recreation Manatee County Sheriff's Office Civil Air Patrol West Coast Medical Transport National Defense Transportation Association (NDTA) CSX Railroad Manatee Port Authority Bradenton/Sarasota Airport Authority ARES/RACES Manatee County Volunteers Active in Disasters - (MCVOAD)
Pasco	Pasco County Road and Bridge Department	Pasco County Traffic Operations Florida Department of Transportation Public Gas Companies Private and Municipal Airport Authorities United States Coast Guard CSX Transportation
Pinellas	School Board Pinellas Suncoast Transit Authority (PSTA)	
Polk	Transit Services Division	Polk County School Board Public Safety Department (Emergency Management Division) Support Services Group (Fleet Management Division)
Sumter	Sumter County Community Services	Sumter County Sheriff's Office Lake-Sumter Emergency Medical Services (EMS) Sumter County School District Municipalities within Sumter County



**Working Group #3 Critical Infrastructure/ Public Works and Engineering
ESF #3 (Public Works and Engineering)**

Level	Primary Agency	Support Agencies
National	Department of Defense/U.S. Army Corps of Engineers Department of Homeland Security/Emergency Preparedness and Response/ Federal Emergency Management Agency	Department of Agriculture Department of Commerce Department of Defense Department of Energy Department of Health and Human Services Department of Homeland Security Department of the Interior Department of Labor Department of Transportation Department of Veterans Affairs Environmental Protection Agency General Services Administration Nuclear Regulatory Commission Tennessee Valley Authority American Red Cross
State	Florida Department of Transportation	Water Management Districts, Department of Agriculture & Consumer Services, Department of Corrections, Public Service Commission, Department of Environmental Protection, Department of Health, Department of Management Services, Department of Military Affairs, Agency for Workforce Innovation, Division of Emergency Management
Regional		
Citrus	Citrus County Road Maintenance Division	City of Crystal River Public Works City of Inverness Public Works Florida Department of Transportation Citrus County Water Resources Department Citrus County Solid Waste Management Division
Hardee	Hardee County Public Works	Hardee County Office of Emergency Management Hardee County Fire/Rescue Hardee County Landfill Hardee County Health Department Department of Corrections
Hernando	Hernando County Department of Public Works	Hernando County Engineer’s Office Hernando County Utilities Department Parks and Recreation



Level	Primary Agency	Support Agencies
		Hernando County Development Department City of Brooksville - Department of Public Works
Hillsborough	Public Works Department	Environmental Protection Commission Facilities Management Division Fleet Management Health Department Code Enforcement Parks, Recreation & Conservation Department Planning & Growth Management Department Real Estate Sheriff's Office Solid Waste Management Department Tampa Electric Company Verizon and Water Resource Services Florida DOT District 7 RACES
Manatee	Manatee County Utility Customer Service Department	Manatee County Transportation Department Manatee County Building and Permitting Department Manatee County Planning Department Manatee County Parks and Recreation Manatee County Utility Operations Department Manatee County Project Management Department Manatee County Information Services Department Manatee County Environmental Management Department Manatee County Dept. of Agriculture and Natural Resources Manatee County Health Department City of Bradenton Public Works Department City of Palmetto Public Works Department City of Anna Maria Public Works Department City of Bradenton Beach Public



Level	Primary Agency	Support Agencies
		Works Department City of Holmes Beach Public Works Department City of Longboat Key Public Works Department
Pasco	Pasco County Utility Services Branch	Pasco County Engineering Services Department Pasco County Traffic Operations Pasco County Utility Services Branch Constructions and Contract Management Pasco County Utility Services Branch Fiscal Services and Public Projects Pasco County Utility Services Branch Operations and Maintenance Pasco County Facilities Department Pasco County Permits & Development Information Systems
Pinellas	Pinellas County Public Works	Pinellas County Utilities Department
Polk	Infrastructure/Growth Management Group Public Works Department (Roadway Maintenance Division) (Traffic Engineering/Operations Division) (Natural Resources Division) (Solid Waste Division) (Facilities Management Division)	Support Services Group (Fleet Management Division) (Purchasing Division) (Risk Management Division) Utilities Department Growth Management Department (Building Division) Neighborhood Services Department (Leisure Services Division) Public Safety Department (Emergency Management Division)
Sumter	Sumter County Public Works Department	Municipal Public Works Departments

ESF #18 (Business and Industry)

Level	Primary Agency	Support Agencies
National (ESF 14)	DHS/FEMA, USDA, SBA, HUD	DOC, DOD, USACE, DOE, HHS, DOI, DOC, DOT, ARC, CNCS DRA NVOAD, Treasury Dept.
State	Florida Department of Revenue (DOR)	The Agency for Workforce Innovation Department of Agriculture and Consumer Services Department of Business and Professional Regulation Florida Department of Financial Services Department of Management



Level	Primary Agency	Support Agencies
		Services Enterprise Florida, Inc. Small Business Development Centers Network Visit Florida, Inc. Volunteer Florida, Inc. Workforce Florida, Inc. <i>Associated Industries of Florida</i> <i>Florida Chamber</i> <i>Florida Council of 100</i> Florida Restaurant & Lodging Association Florida Retail Federation National Federation of Independent Businesses
Regional		Tampa Bay Regional Planning Council Tampa Bay Partnership Chambers of Commerce
Citrus	Under development	Under development
Hardee	Hardee County Health Department Fire Rescue Building and Zoning CERT	Hardee County Sheriffs Office Hardee County Engineering Department Hardee County Public Works Department Hardee County Landfill Department Hardee County Property Appraiser Peace River Power Company Sprint Telephone Company Manatee County Red Cross Hardee County Amateur Radio Group Insurance Industry Representatives City of Wauchula City of Bowling Green Town of Zolfo Springs Chamber of Commerce
Hernando	Under development	Under development
Hillsborough	Hillsborough County Economic Development Department	Hillsborough County Emergency Management
Manatee	Economic Development Council, a division of the Manatee Chamber of Commerce	Manatee Chamber of Commerce Manatee County Neighborhood Services, Economic Development Division Suncoast Workforce Board Bradenton Area Convention & Visitors Bureau Enterprise Florida Agency for Workforce Innovation (AWI)



Level	Primary Agency	Support Agencies
		Workforce Florida Office of Tourist Trade and Economic Development (OTTED) Florida Small Business Centers Longboat Key Chamber of Commerce Anna Maria Island Chamber of Commerce Lakewood Ranch Business Alliance
Pasco (ESF 14)	Pasco County Permits and Development Information Department	Pasco County Growth Management Department Pasco County Community Services Department Pasco Economic Development Council Central Pasco Chamber of Commerce Greater Dade City Chamber of Commerce Wesley Chapel Chamber of Commerce West Pasco Chamber of Commerce Zephyrhills Chamber of Commerce American Red Cross-Tampa Bay Chapter Pasco County Facilities Management Department
Pinellas	Pinellas County Economic Development Agency	
Polk	Central Florida Visitors & Convention Bureau	Under development
Sumter	Under development	Under development