Hurricane Preparedness with Deccan

Keep Your Community Safe By Planning Ahead With Deccan

Hurricane-Specific Deployment:

Create a specific operational deployment scenario for a hurricane incident, modeled and examined in advance, so that all parties involved can put a tested plan into place.

Station Closures and Moves:

Proactively close or temporarily move stations unreachable during hurricane conditions, and model and prepare for anticipated changes in workload for other stations affected.

Road Network Availability:

Automatically implement pre-existing alternate run cards in your CAD system for a hurricane response condition to ensure street network connectivity and route accuracy.

One cannot understate the strategic value of preparedness and having an effective response plan ready to be deployed in the face of a hurricane. Deccan's data-driven analytics can help position your department and its stakeholders for a more effective and efficient response for every type of hurricane level. From identifying how current stations can best avoid flooding, to knowing which roads will likely be inaccessible, Deccan has your back.
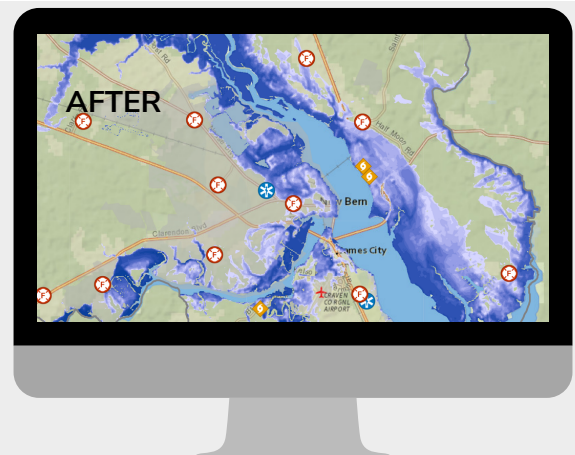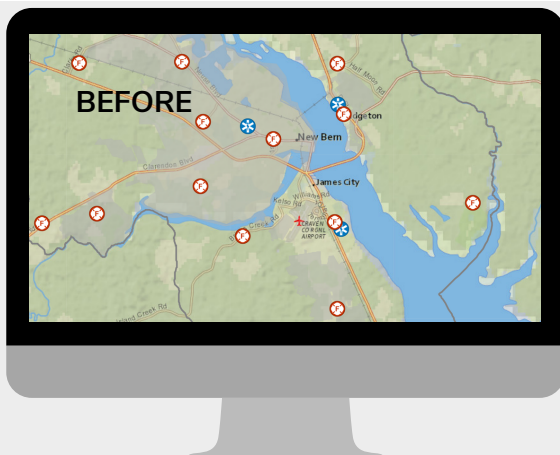
Response Times:

Know what your true response times will be during a hurricane by modeling specific conditions that will affect a unit's roadway speeds during a hurricane.

Optimal Response Coverage:

Utilize a specific hurricane condition to ensure in real-time that appropriate coverage is provided to the rest of the community, while more resources than usual are sent to hurricane-related calls for service.

Apparatus Redeployment:

Relocate resources from stations that are unreachable due to hurricane flooding to stations or staging sites that are more accessible.

In this scenario, storm surge from a Category 2 hurricane was applied to station locations to determine which facilities would become unusable during the event. Deccan tools were then used to analyze each service area, determine the optimal location for temporarily erected facilities, and measure the impact these facilities had on response times.

Back-up Dispatching:
Address and run-card assignment for dispatch can be accomplished in an ECC (Emergency Command Center) when CAD connectivity isn't available as a result of the hurricane destruction, both locally and regionally.
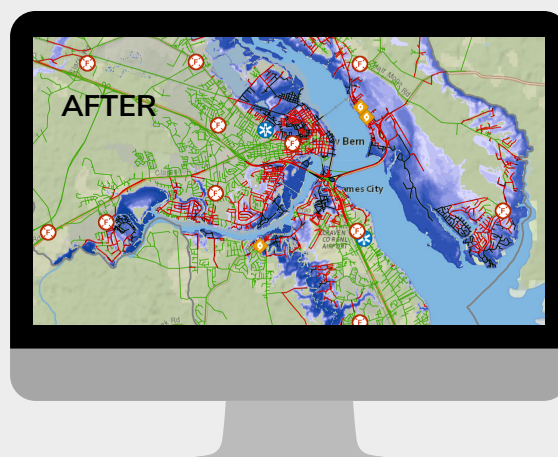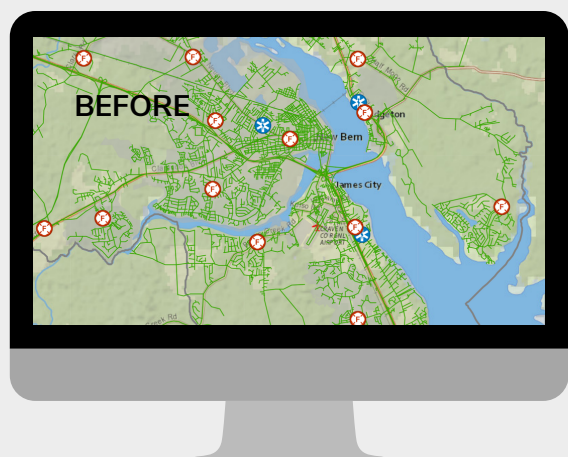
Temporary Staging Sites:
Determine the best locations to house temporary hurricane operations sites such as command posts at higher ground, temporary shelters for displaced residents, or medical aid tents in areas unreachable by medical units.
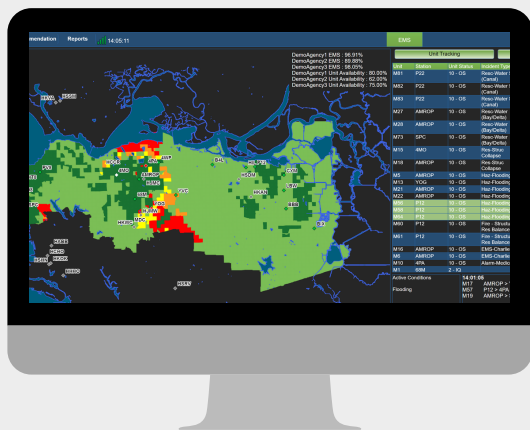
Team Resiliency:
Keep team morale and provider health and well-being at the forefront of your planning - create hurricane specific deployment plans and move-up conditions to eliminate unnecessary relocations, ensuring operational efficiency while simultaneously maximizing crew satisfaction.

Mutual Aid Deployment:
When local resources become depleted due to hurricane-related responses, utilize automated mutual-aid run-cards at regional and statewide levels to select the closest available unit to respond to a call.

In the example above, roadway access was added to the pre-existing flooded stations scenario. Using the storm surge flooding data, Deccan identified which roads would be partially flooded but still accessible (in red) versus completely flooded (in black). Given that normal response patterns would likely be interrupted, Deccan created alternative response plans and run-cards to use in this scenario.

In this example, Deccan created a scenario where an EMS system experienced a severe hurricane. This tool, which monitors response coverage and recommends move-ups, has a flooding function engaged to apply special rules that dictate how move-ups are calculated.

To learn more about how Deccan can help your community prepare for and optimize your operations during a hurricane, contact us today at **sales@deccanintl.com** or via phone at 858-764-8400, Option 1.