



NEWPORT NEWS PUBLIC SCHOOLS Virginia – Disaster Recovery Plan

Newport News Public Schools (NNPS) engaged Delta to develop a comprehensive Disaster Recovery Plan (DRP) to protect critical business functions and the IT systems and data necessary to maintain operations. Critical business functions are those necessary to perform key functions that must continue regardless of the emergency/incident. The project took a holistic approach to identify critical business operations, as well as the people and systems that integrate with them, and to evaluate technological, man-made, and natural vulnerabilities that could disrupt these critical operations. Vulnerabilities were assessed on their probability, impact, and time to recover. Delta assisted NNPS through a structured Business Impact Analysis (BIA) process. The BIA helps an organization understand the impact of an interruption of service over time.

Next, Geographic Information Systems (GIS) electronic mapping services were used to identify and research vulnerabilities. Delta mapped NNPS's facilities and overlaid hazard data layers (e.g., floodplain, Surry Power Station Emergency Planning Zone, and SLOSH model) to identify facilities that were affected by these scenarios, and identified any critical services/systems that were maintained on-site. Additionally, possible man-made (e.g., Surry Power Station) and technological (e.g., server failure) vulnerabilities were assessed and prioritized.

The Delta team cross-walked the BIA analysis with the vulnerability analysis to prioritize the critical business functions that were most at risk. Delta then performed a detailed site survey of NNPS's IT infrastructure and policies and procedures to complete a gap analysis. From the gap analysis and mitigation recommendations, Delta developed and provided a disaster recovery plan.

CONTACT

**Delta Development
Group, Inc.**

Information Technology
Services

717.441.9030

