

## COASTAL VULNERABILITY ASSESSMENTS & ENGINEERING ADAPTATIONS FOR COASTAL RESILIENCY

ECE's team of professional engineers and scientists have extensive experience with coastal vulnerability assessments and engineering adaptations for coastal resiliency and climate change. We integrate engineering and science with decision making principles to develop realistic local solutions. Our priority is to assist our Clients in improving their coastal resiliency both in the short and long-term. We aim to help communities develop storm survival and mitigation measures to prevent large scale impacts and resume operations as quickly as possible following a storm.

## Service Categories:

- Post-Storm Damage Assessments
- Crisis and Disaster Recovery and Remediation
- Coastal Vulnerability Assessments and Resiliency Planning
- Regional and Site-Specific Strategic Environmental Planning
- Sea Level Rise and Storm Surge Risk Assessments and Mitigation Planning
- Short-Range and Long-Range Preparedness Planning
- Engineering Adaptations based on Risk Profiles and Tolerances
- Infrastructure and Facilities Vulnerabilities and Improvements
- Calculation of Wave and Flood Loads
- Identify Elevations of Flood-Prone Buildings and Infrastructure
- Functional and Constructable Stormwater Infrastructure Improvements to Reduce Flooding and Storm Damage







Wave Overtopping Pier