

4 STEPS TO FLOOD RESILIENCE





Identify Vulnerable Assets, Determine Consequences



Identify/Evaluate Mitigation



Develop Plan to Implement Mitigation Measures



To access Guide: http://water.epa.gov/infrastructure/watersecurity/emerplan/

For video on flood resilience:



Practical Mitigation Options for Flood Resilience



Prevent Intrusion of Flood Water

- Implement a program to keep all drains and culverts clear of debris to reduce possible flooding.
- Use sandbags to make a quick and low-cost barrier to minor flooding. Have sand and bags available.
- Install flap valve on low-lying overflow pipes to protect finished water.



Protect Assets and Operations

- Secure or elevate chemical and other tanks to prevent them from floating away, releasing contents, or damaging other equipment.
- Plan to move vehicles to high ground. Develop alternative methods to access the facility if entry is blocked by high flood waters or debris.
- Elevate or relocate instrumentation, electrical controls, computers, and records.



Ensure Power Reliability

- Contact your local power utility and local emergency management agency to plan for priority restoration of power to your water or wastewater utility.
- Ensure backup power for pumps, treatment facilities, and remote units. Purchase, rent, or borrow generators (e.g., through mutual aid). Install connections to enable your utility to rapidly hook up generators to your system.
- Make sure generators, electrical connections, and fuel supplies are protected from flooding (e.g., elevated, easy to access).
- Arrange for priority access to fuel supplies (e.g., vendor contract).