

Example Mitigation Projects for Water and Wastewater Utilities

| FEMA Category | Example Utility Projects |
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| Preventive Measures | Replacing dry well sewer pumps with submersible pumps |
| | Building elevated platforms for electrical service panels |
| | Raising electrical controls above the base flood elevation |
| Property Protection | Flood-proofing and wind-proofing facilities |
| | Elevation of facilities |
| | Elevation of electrical systems |
| Emergency Services Measures | Elevation of generators and associated fuel tanks to keep a facility operational during power outages |
| | Upsizing culverts to better handle flood surges |
| | Retrofitting sanitary sewer lift stations with electrical connections for portable generators |
| Structural Projects | Providing flood protection around an electrical substation and transformers |
| | Building elevated platforms for electrical service panels |
| | Seismic retrofitting of pipes with flexible joints |
| Natural Resource Protection | Bank stabilization projects that protect adjacent infrastructure from damage, such as installation of rip rap and filter fabric |
| | Vegetation management projects to improve drainage of stormwater |
| | Wetland restoration to prevent stormwater and sewer backups |
| Public Information | Installation of a contamination warning system |

This is taken from the U.S. EPA's website on Federal Funding for Utilities - Water/Wastewater - in National Disasters (Fed FUNDS).

