



## Case Study



**nationalgrid**

**Hurricane Sandy  
N.E. Coast, U.S.A.**

As an international electricity and gas company based in the UK and northeastern US, *nationalgrid* plays a vital role in connecting millions of people safely, reliably and efficiently to the energy they use.

Hurricane Sandy caused a massive power outage in the Northeast. According to the Department of Energy's Office of Electricity Reliability and Delivery, about 8.5 million customers (residential, commercial, and industrial) were without power at some point during or after the storm, mostly in parts of the Mid-Atlantic, Northeast, and the Ohio Valley. On 10/30/12, the day after Hurricane Sandy made landfall, 8.2 million customers were without power. For New Jersey, it was the largest power outage in the history of the state. The recovery efforts have been slowed by flood damage and recent snowfall. In many areas, structures needed repairs or rebuilt before service was restored. Utilities incurred very large labor and equipment costs to restore electric service. However, the flooding caused by Hurricane Sandy, especially in the New York City area (where most of the lines are underground), demonstrated that underground transmission and distribution infrastructure were not necessarily immune to damage.

Following this natural disaster, *nationalgrid*'s US Flood Mitigation Team were looking set-up a prevention plan to avoid any future flood damages. This plan included temporary flood control system and after looking at different options, they inquired about our **Water-Gate** system.

They were looking for:

- Fast deployment system;
- A retention height of 1.5 meter (60 inches);
- Little workforce required;
- Easy storage;
- Training;
- Turnkey solution.

We, at **MegaSecur Environmental Security Inc.**, were able to answer all their needs. They wished to protect 6 substations and since they were close to each other, they wanted to be able to move their protection from one location to another. They purchased 456 meters (1,497 ft.) of WL-6050 **Water-Gate** barriers, our largest version. By offering them hands-on training, they will now be ready for any situation.



[www.water-gate.com](http://www.water-gate.com)

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