

WORKSTUDIO for STORM ASSESSMENT



STORMWORKS

Storm-related outages create a variety of liabilities if service isn't restored as safely, quickly and effectively as possible. A lack of preparation not only poses a threat to public safety but exposes utilities to steep penalties and regulatory sanctions. StormWorks, developed with guidance from Par Electric, can minimize risk with tools to quickly assess and understand damage, prioritize repairs and dispatch restoration crews quickly and accurately.



Crews work to restore power after a major storm.

INITIAL ASSESSMENT

For major storms, the process starts with an Initial Assessment to quickly estimate total damages and call in the right resources. Calling too few crews prolongs the outage and creates risks of customer dissatisfaction, fines and regulatory fall out. Calling too many crews can inflate expenses. StormWorks enables an informed response between the field and the office so that utilities call up and dispatch the right number of crews.

Initial Assessments are based on representative pre-defined "Routes," each detailing the area that can be driven and assessed in a 2-4 hour time span. For the initial assessment users report simple "damage counts" such as safety conditions, fuses blown, wires down, poles broken,

cross arms broken, tree conditions and other configurable data from a mobile client. Initial Assessments are returned to the Storm Center via a synch process or via phone if wireless connectivity is not available.

Based on the Initial Assessments, StormWorks extrapolates damage estimates for the entire affected area. StormWorks includes default algorithms based on years of restoration experience, but it can also be customized to apply your utility's own estimation formulas.

DETAILED ASSESSMENT

Quickly estimating total damage is critical, but which crews should go where and with what material?

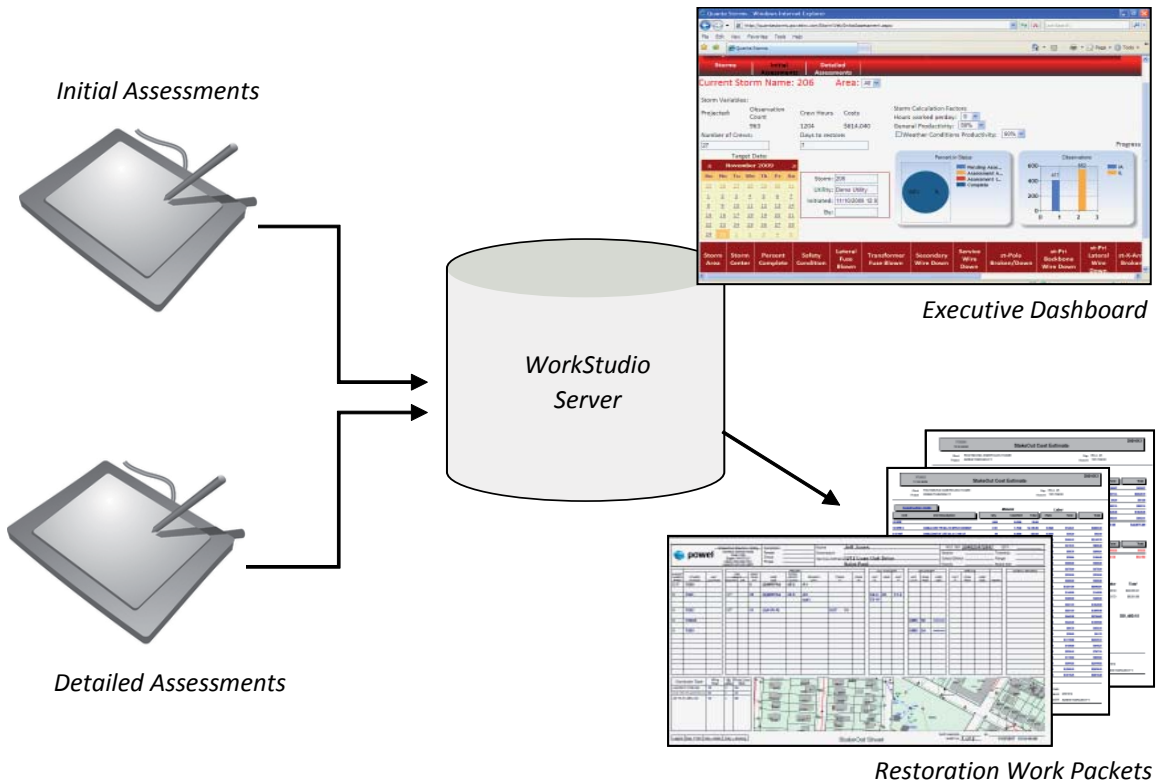
Knowledge is power. The Detailed Assessment in StormWorks generates printed work packets for repair crews. The detailed assessment also creates a popcorn trail of areas have already been assessed. All assessments are GPS-enabled, but street addresses can be entered manually to define the damage location.

This system tells us about damage, not just outages. When we get an outage report from our AMI or OMS, we don't know if that outage is caused by one span down or ten.

EXECUTIVE DASHBOARD

The StormWorks Executive Dashboard is your command center to speed up response time during a storm event. From the Executive Dashboard, storm managers can assign





routes to assessors collect initial and detailed assessments, estimate total damage costs and repair time, and assign repair work to crews. The system’s customizable algorithms estimate cost and man hours for repairs. Once the total damage is known, users can run “what-if” scenarios based on select factors (numbers of personnel, current weather) to get a more accurate estimate of crews and days to restore.

RESPOND AND RESTORE FASTER

By making StormWorks part of your storm plan, utilities can eliminate non-productive work in a storm situation and speed up restoration. The simple, pen-based input system of StormWorks is easy to learn so that office staff, damage assessors and crews from other utilities can begin work quickly.

A SYSTEM FROM PEOPLE WHO UNDERSTAND YOUR BUSINESS

StormWorks is based on the familiar Powel WorkStudio suite, co-developed with business process direction from Par Electric, a Quanta Services company that is the largest

utility contractor in the U.S. Par Electric has assessors and teams ready to help utilities assess damage and restore the system.

Powel WorkStudio is a mobile work management platform with office-based analysis that helps utilities work smarter through the entire asset lifecycle. By implementing applications that are part of a suite, utilities can reduce the total deployment cost. The similarity between products reduces training time and maximizes the utility’s ability to cross deploy their work force.

WorkStudio Solutions include:

- Staking (Design)
- Operations & As-builts
- Timesheets
- Vegetation Management
- Maintenance Management
- Storm Assessment

Please contact us at 651-251-3005 or visit www.powelinc.com to learn more. Our staff will be happy to answer your questions and show you the system.

