National Grid

Outage Management System Overview June 9, 2009



PowerOn Outage Management Applications

- PowerOn suite of Outage Management programs developed by General Electric; used in NE since June of 2007
- Full PowerOn used by Control Centers for
 - Dispatching trouble orders
 - Dispatching In-Service field conditions
 - Tracking of scheduled field work that involves customer outages
- PowerOn Remote Dispatch (PORD) used by Field Operations during decentralization for high-volume storms, working of wires down and tree type conditions
- PowerOn Real Time Information System (PORTIS) used by management as a tool to analyze storm impacts such as
 - Number and locations of customers without power
 - By town, feeder, device
 - Working crews assigned to outages
 - Emergency / 911 calls

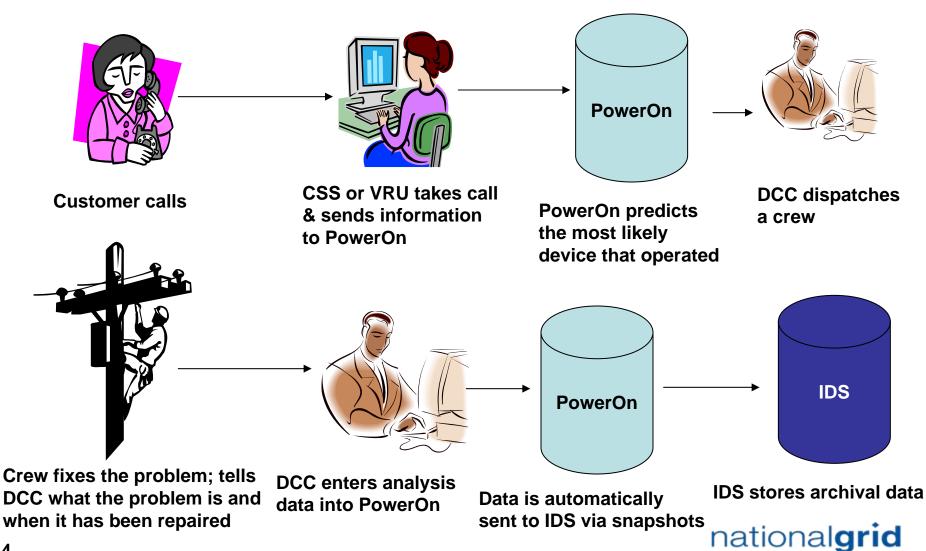


Basic Features of PowerOn

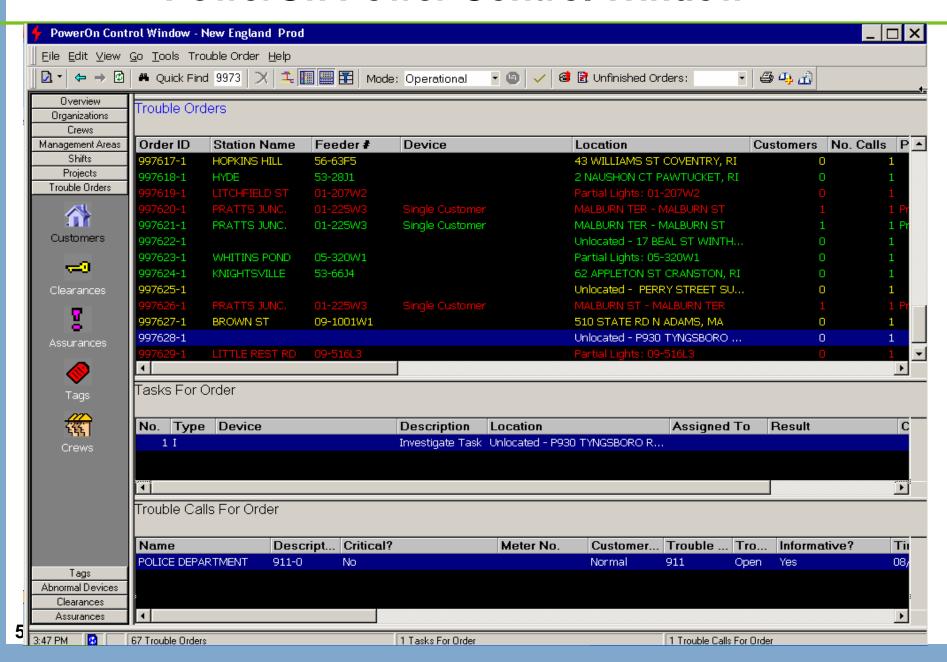
- GIS-driven electrical network model
- CSS integration accepts trouble calls and provides restoration status
- Automated analysis and intelligent prediction of trouble calls
- Crew management functions
- Dispatching and management of in-service & no-service trouble orders
- Provides graphical display of electrical network and crew locations
- Emergency and planned distribution switching functions
- Dynamic real-time reporting capability PowerOn Real Time Information System (PORTIS)
- Historical archiving of trouble order data



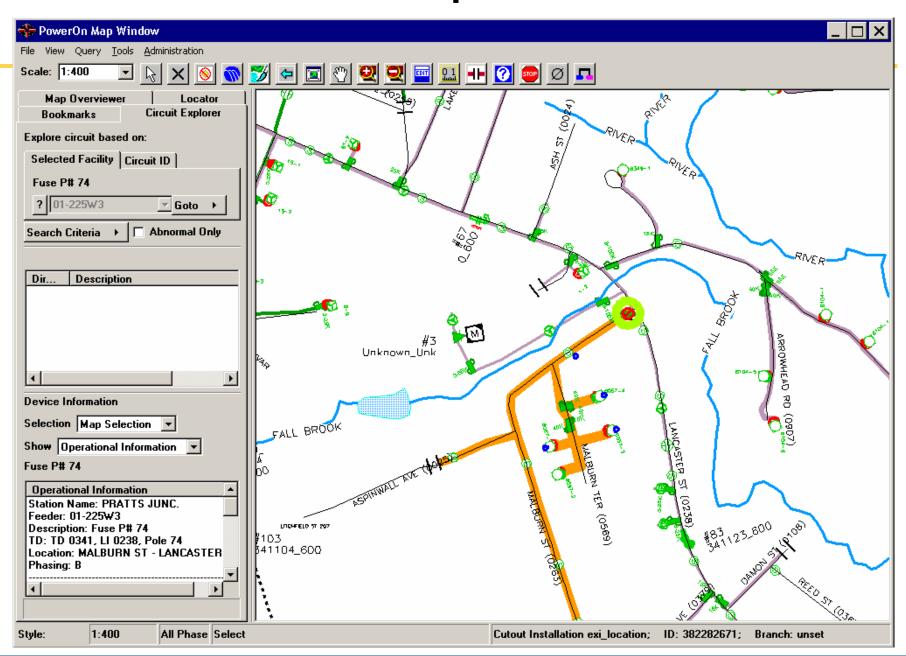
National Grid Outage Management Process



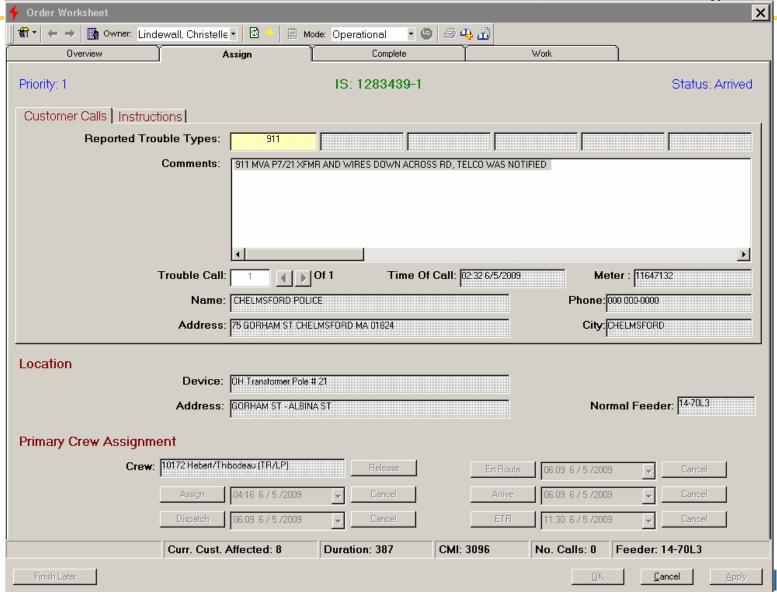
PowerOn Power Control Window



PowerOn Map Window

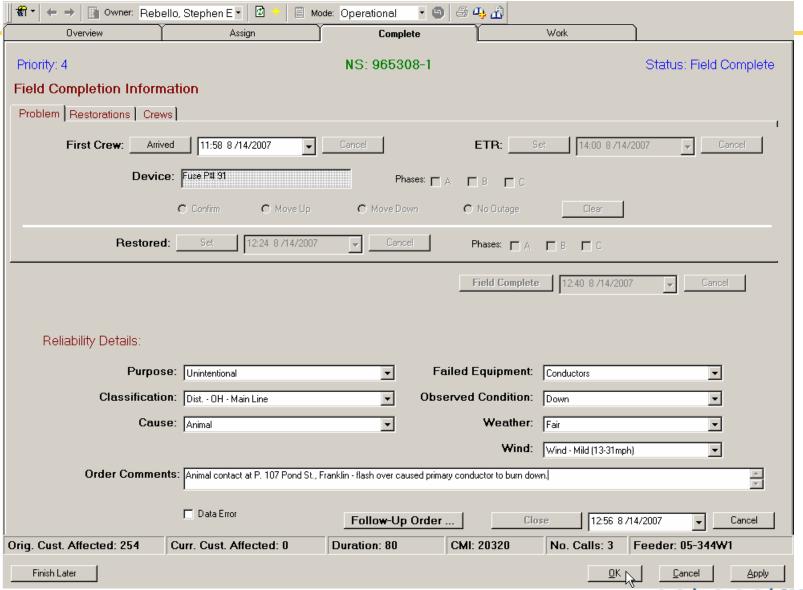


PowerOn Trouble Order Worksheet – Assign Tab

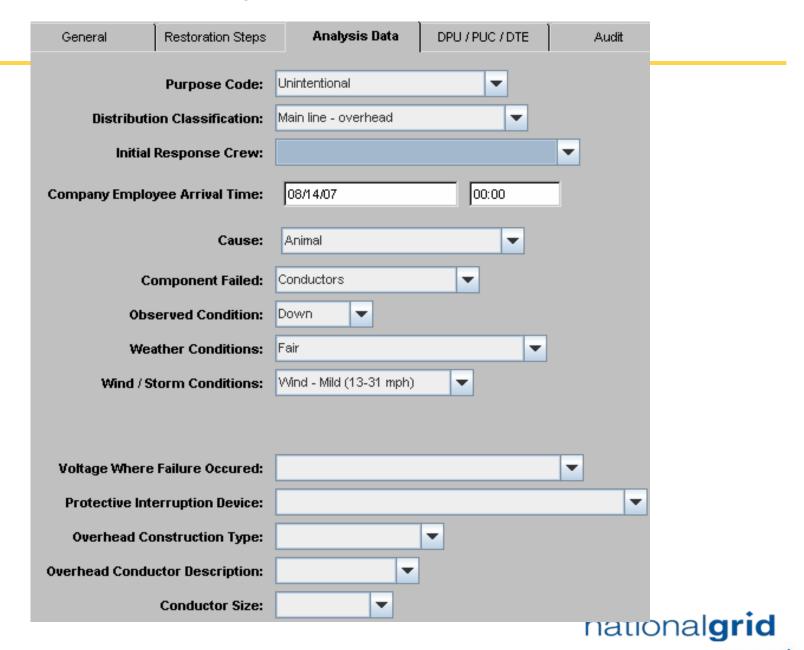




PowerOn Trouble Order Worksheet – Complete Tab



IDS Analysis Data Screen



PORTIS

