

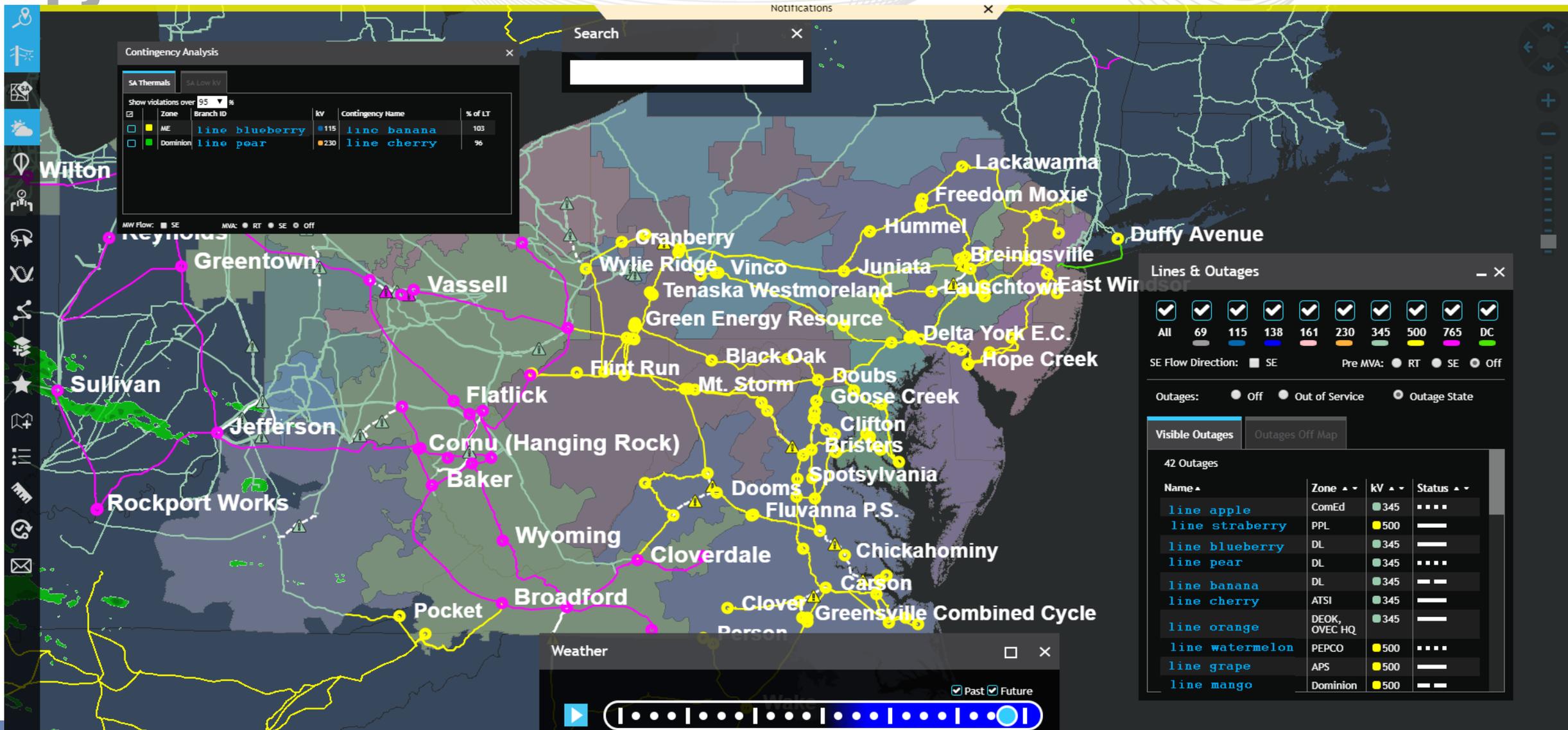


Dispatch Interactive Map Application Situational Awareness Tool

First Read: Quick Fix Issue

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Operating Committee
June 4, 2020

1. Education: Dispatch Interactive Map Application (DIMA)
2. Why DIMA for TO's?
3. Stakeholder Process & Implementation Timelines
4. Opportunity Statement & Issue Charge
5. Review Proposed OA Revisions



- Originally implemented in 2014 for PJM dispatchers
- PJM continues to invest annually in new features and functionality
- Paradigm shift from tabular to geospatial views
- Allows the user to layer relevant data
- Intuitive interface
- Read only – no grid control
- Supplemental to PJM EMS, eDART, and other systems
- Purpose is to improve situational awareness with access to information at a glance

- DIMA Transmission Lines and Substation Locations
- Transmission Line Status and eDART Tickets
- Contingencies: SA Thermals
- Real Time EMS Data
- Syncrophasors
- Natural Gas
- Weather Overlays
- Critical and Black Start Units
- Intuitive Search
- Other Usability Features

- Started because several TO's requested access to DIMA
- Purpose is to provide participating TO's enhanced situational awareness tools
- A visualization tool with the same EMS restrictions
- A Geospatial solution allowing the user to layer relevant operational information
- Provides the user with real time grid status at a glance



Stakeholder Process Timeline





Implementation and Rollout Plan

| Milestone | 2020 | | | | 2021 | |
|---|------|---------|----------|----------|---------|-------|
| | Sept | October | November | December | January | Feb + |
| Implementation Phase | | | | | | |
| Purchase licenses | ◆ | | | | | |
| Implement internal infrastructure | | ▬ | ▬ | | | |
| Implement external infrastructure | | ▬ | ▬ | | | |
| Develop code | | ▬ | ▬ | ▬ | | |
| Testing (Unit, Integration, Regression) | | | ▬ | ▬ | ▬ | |
| Deploy code Stage / Production | | | | ▬ | ▬ | |
| Implement single sign on | | | ▬ | | | |
| Perform penetration testing | | | | | ▬ | |
| Update code to meet security requirements | | | | | ▬ | |
| Rollout | | | | | | ▬ |
| Conduct Customer Testing | | | | | | ▬ |
| Conduct Customer Training | | | | | | ▬ |



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