

Tennessee's Air Infrastructure Investment: Project Restore



Infrastructure: the basic physical and organizational structure and facilities needed for the operation of a society or enterprise.

Where we were in 2015...



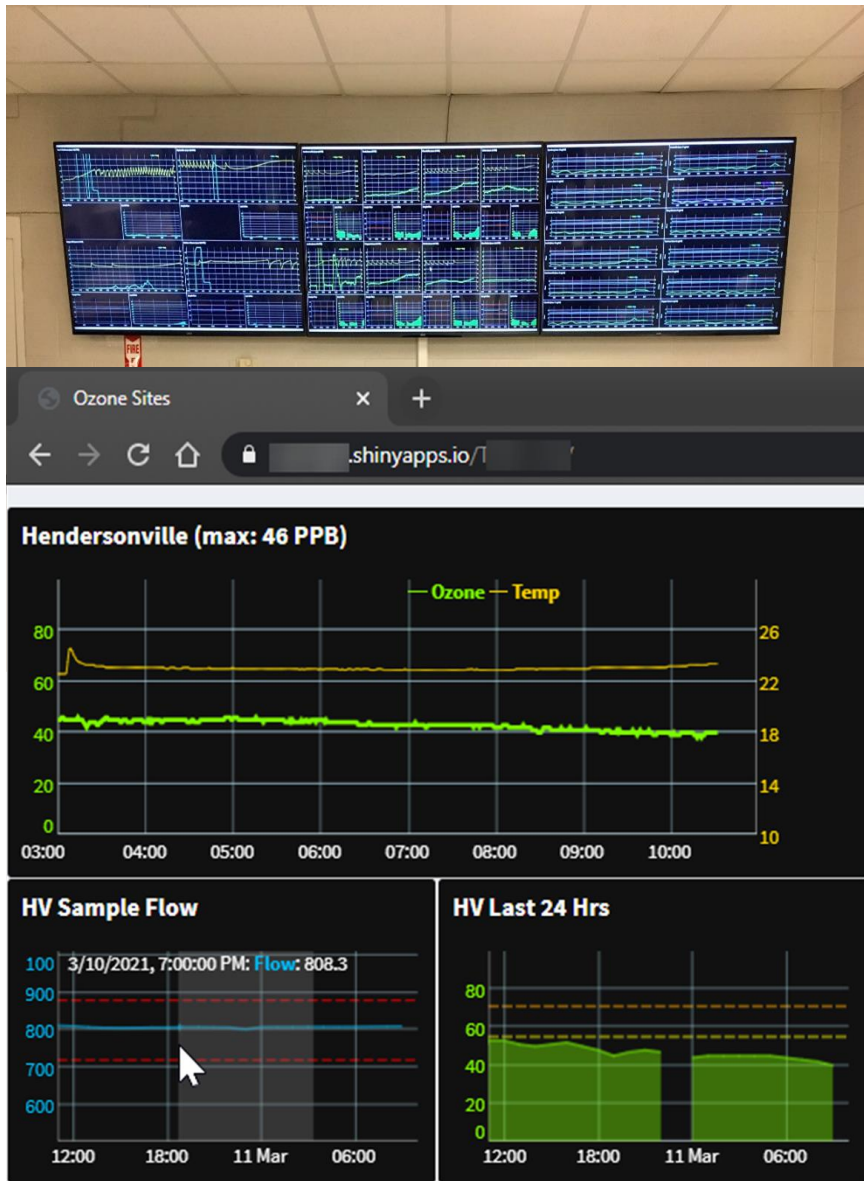
Modernizing an Air Network

PROJECT RESTORE

- All new Air Quality Monitoring shelters
- New gaseous analyzers and calibrators
- New zero air systems
- New data loggers
- Completion of the FEM PM2.5 network conversion
- Cellular modems with Wi-Fi at all monitoring sites
- AirVision software expansion
- Sonoma eSIMS digital logbook and digital forms
- Records stored digitally on SharePoint
- Complete analog to digital network update



Modernizing an Air Network



War room to the web...

- 3 large monitors display minute and hourly data as well as control limits for flow parameters
- Start of the pandemic- interactive dashboards were published to the web for remote viewing
- Application of technology to identify equipment issues early, deploy staff efficiently and reduce data loss

Where we are in 2021...



Where will we be in 2030?

- National strategy around funding
- Consistent adaptation to new technology
- National commitment and delivery of workforce training
- Holistic evaluation of air monitoring needs

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