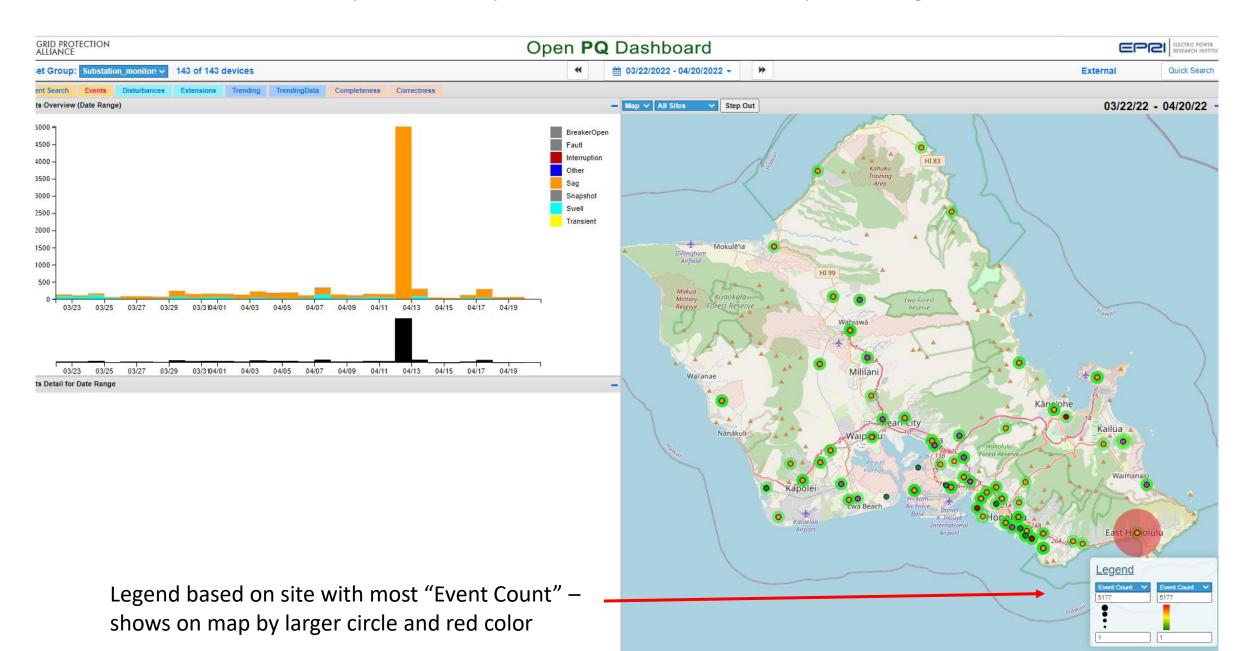
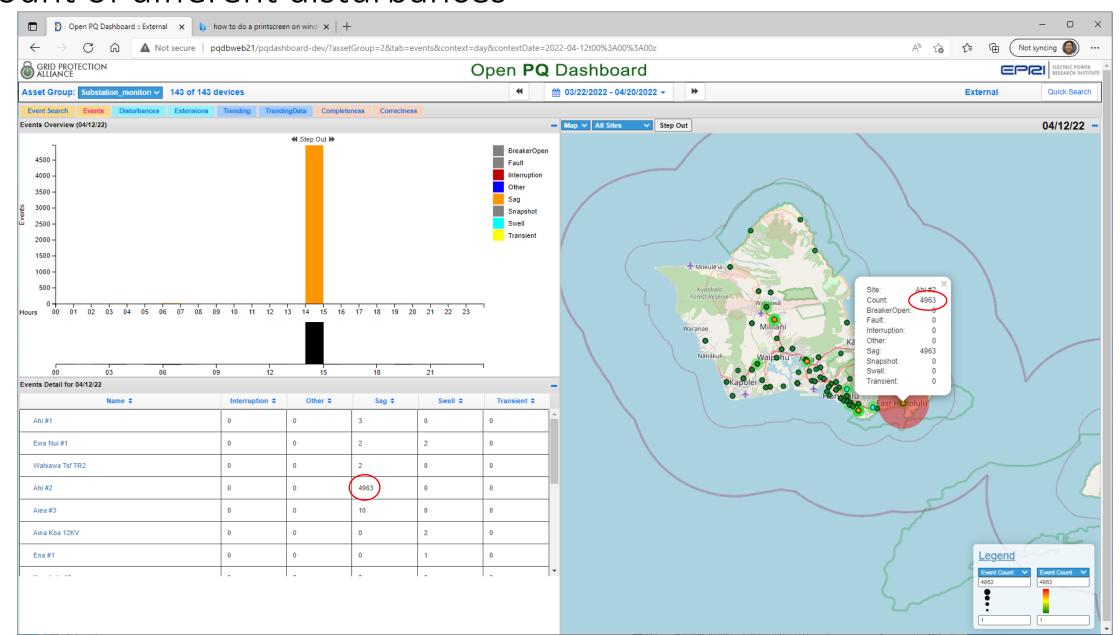
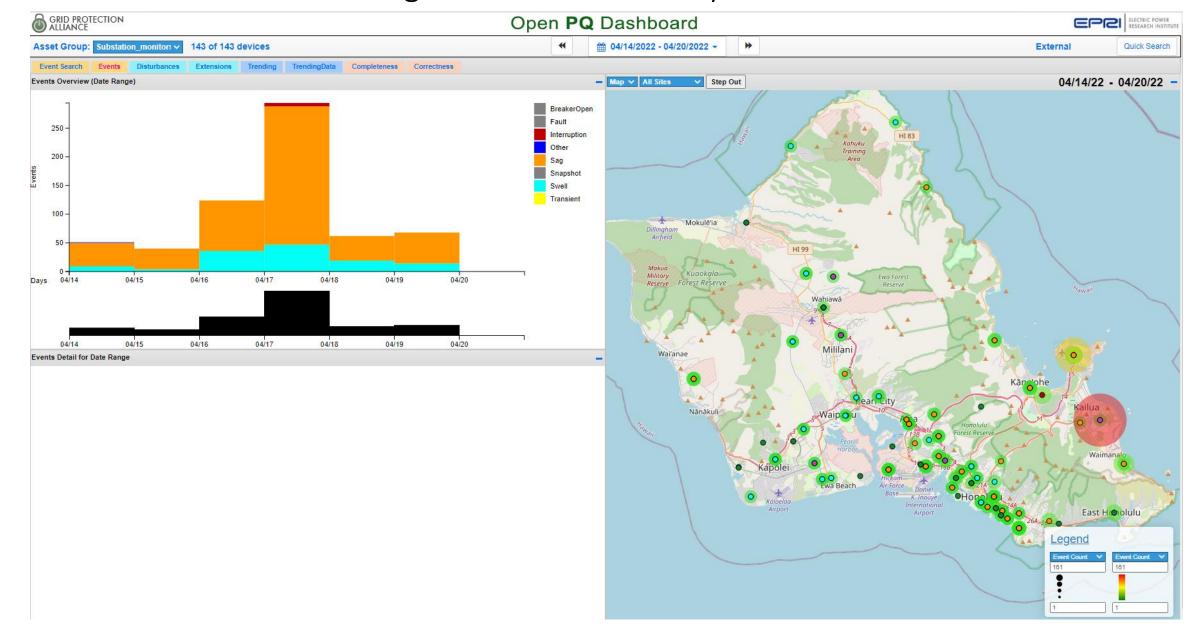
Substation monitors quick 30-day view of events - see day with high number of events



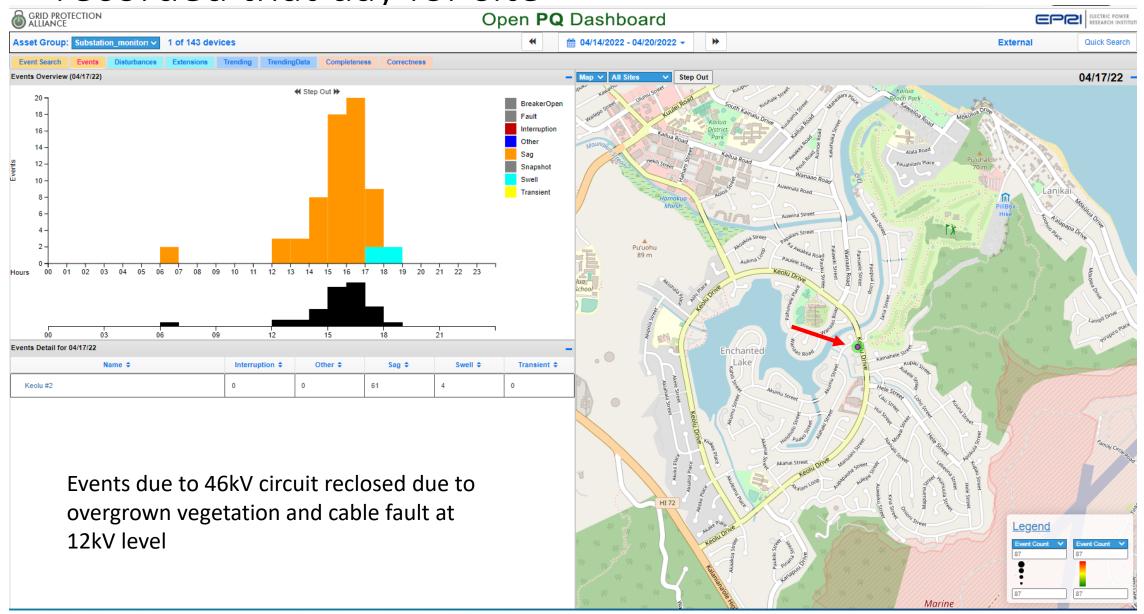
Can hover over monitor or click on day (bar chart) to see event count of different disturbances



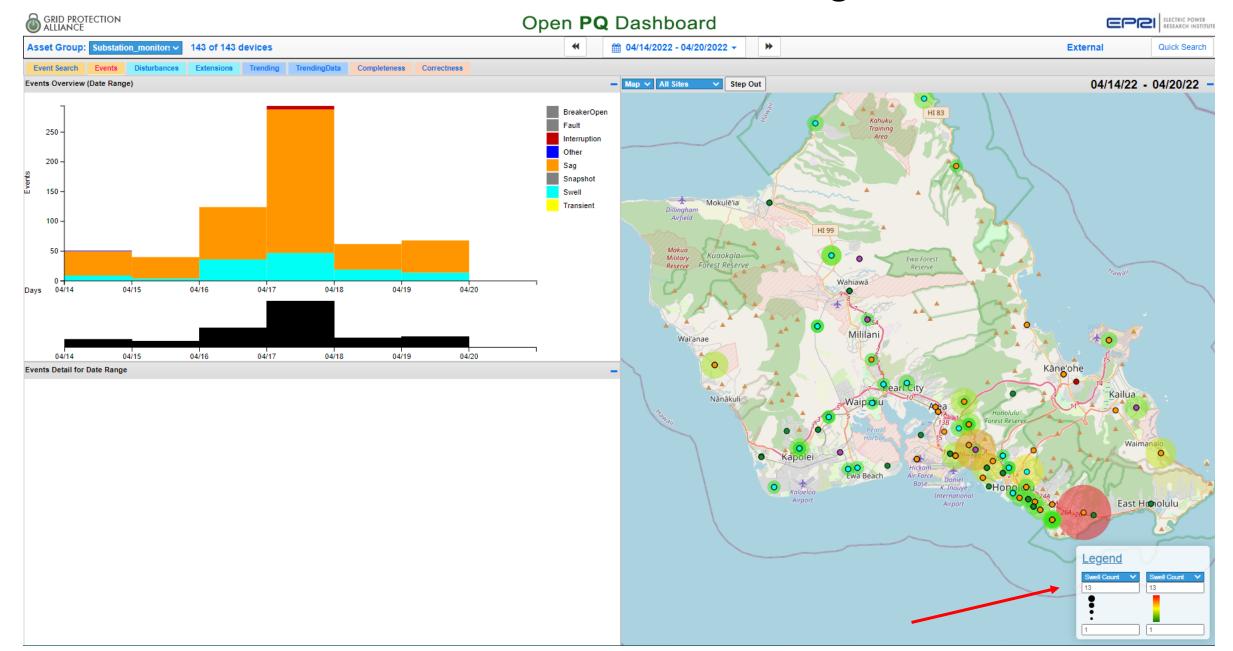
Substation monitors week view – see events on East side click on red circle site and bar chart of events changes to events for only that site clicked on



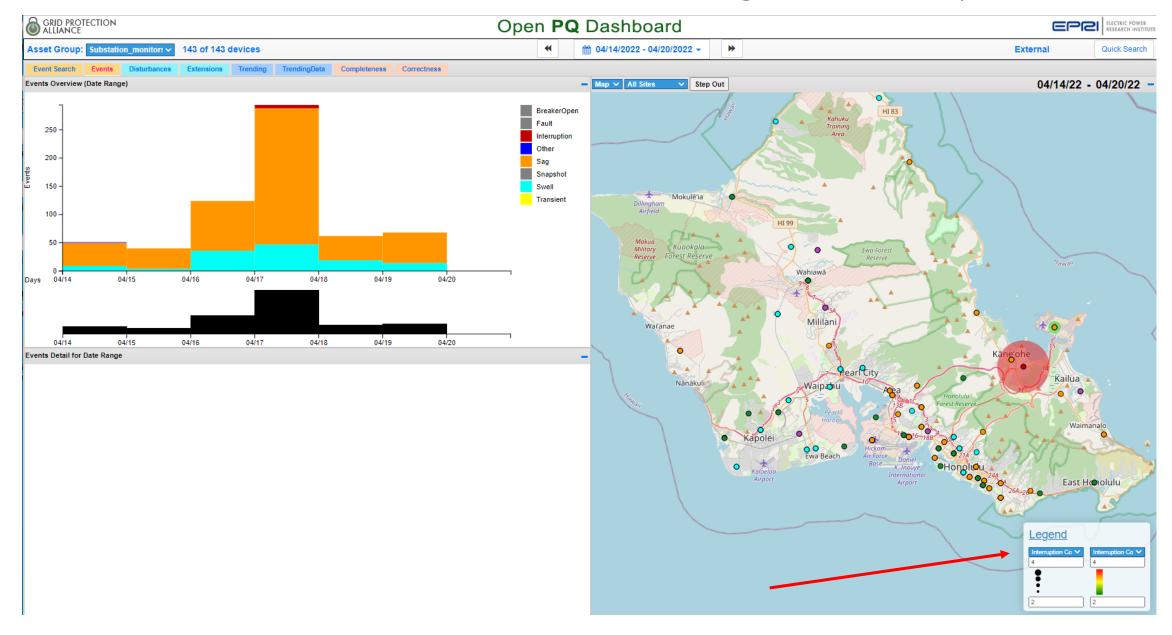
Click on a day and gives closer view of site and events recorded that day for site



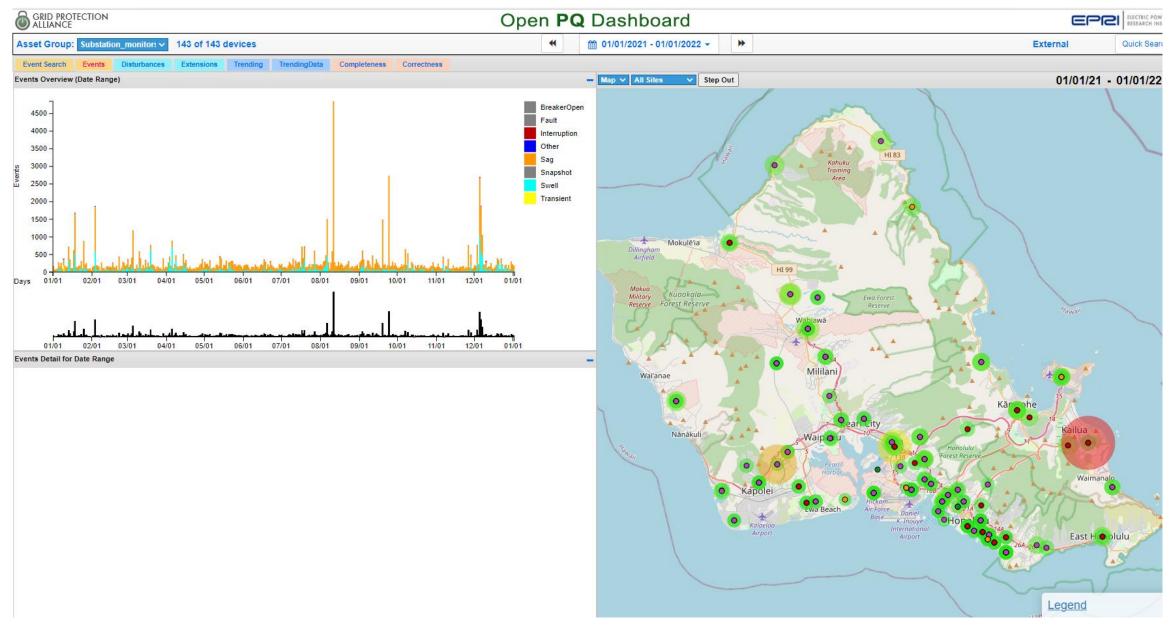
Substation monitors week view – Sites with highest Swell counts



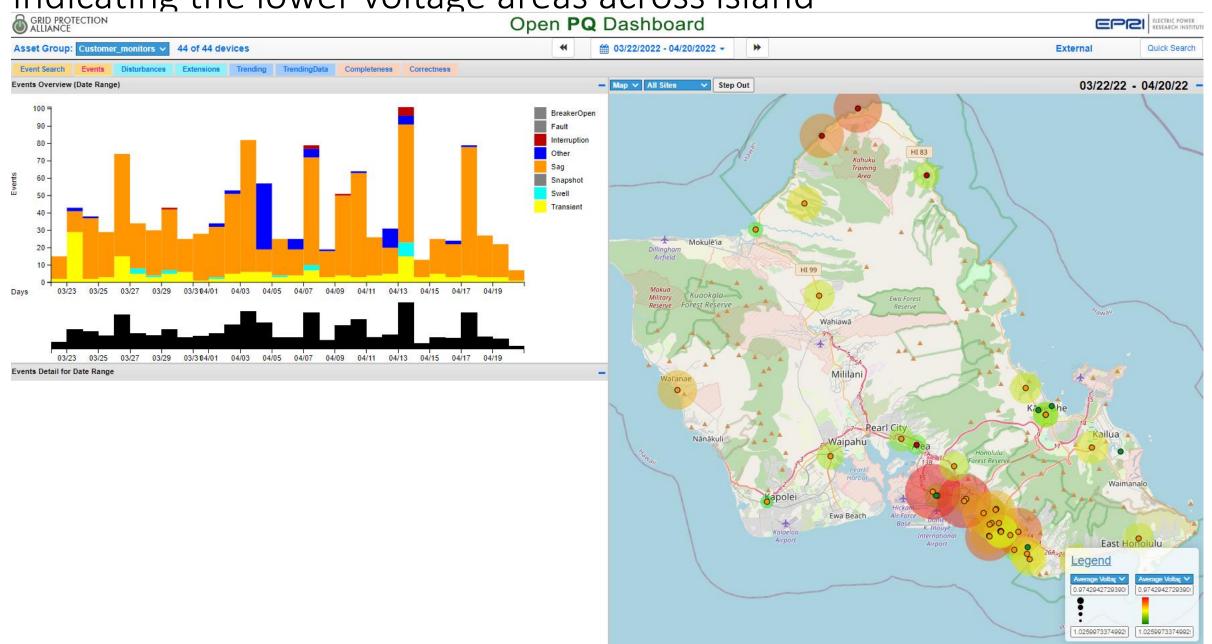
Substation monitors week view – site with highest interruptions



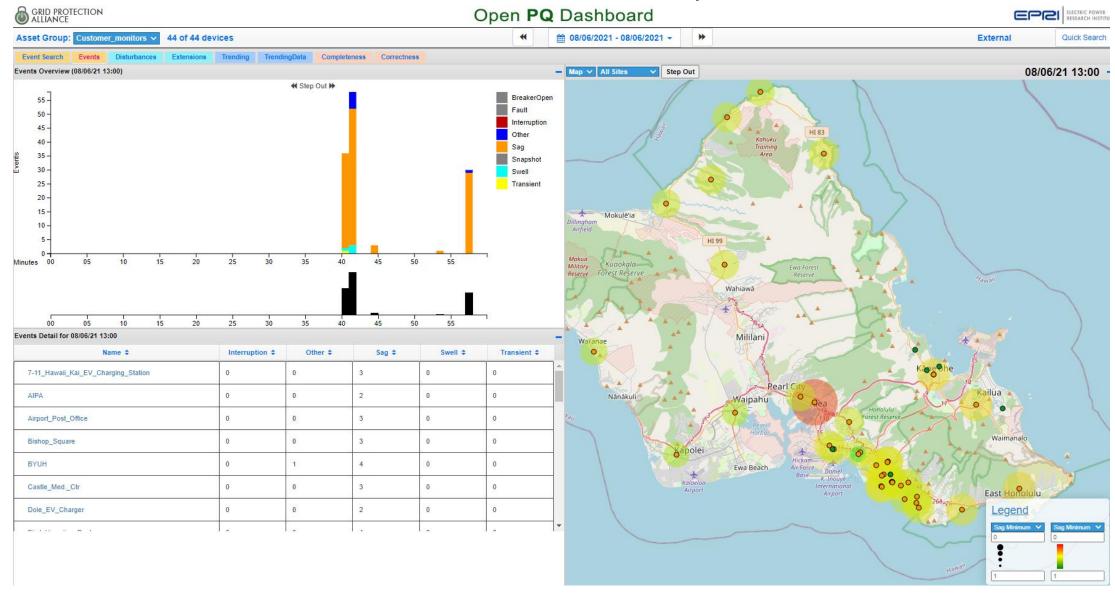
Substation year event count site with most events



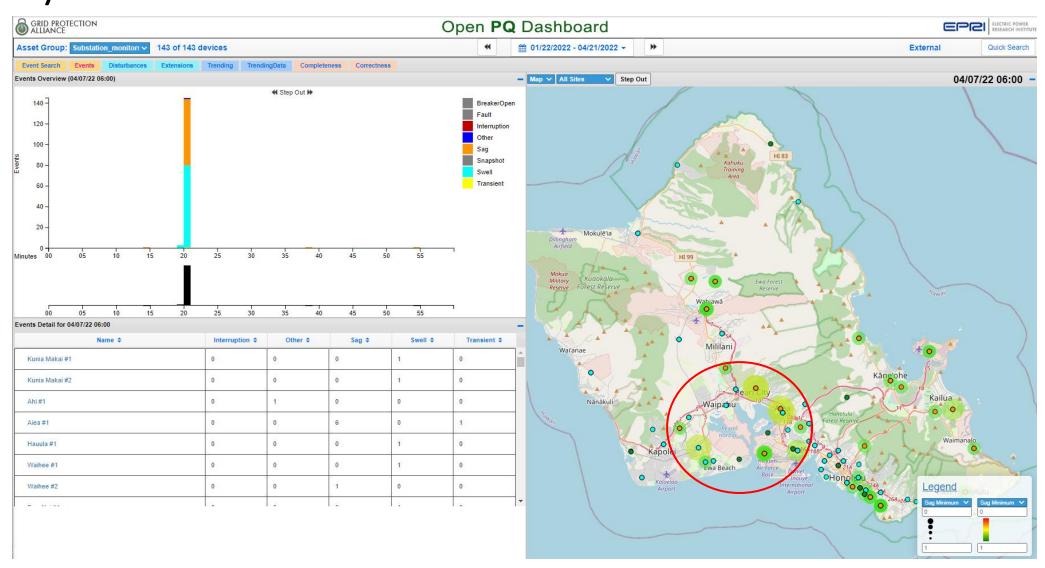
Customer monitors set for "Average Voltage" - red circles (97%) indicating the lower voltage areas across island



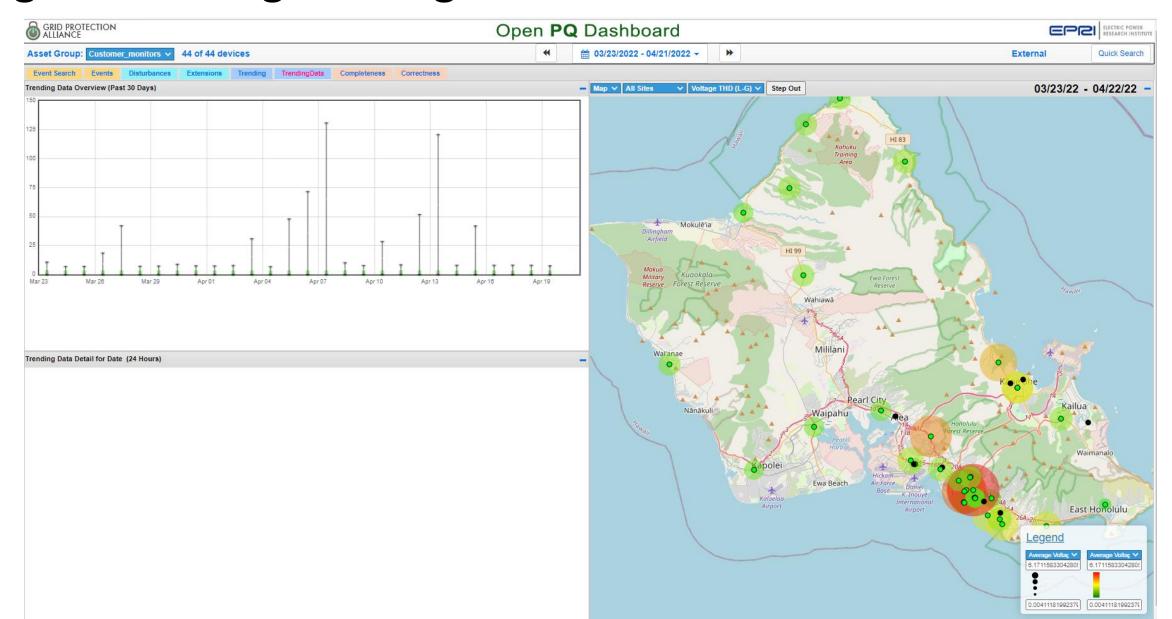
138kV Transmission event red circle with all other monitors across island affected by event



46kV event affecting downstream Dist. Subsyellow circles



Customer monitors for month – showing sites with higher "Average Voltage THD"

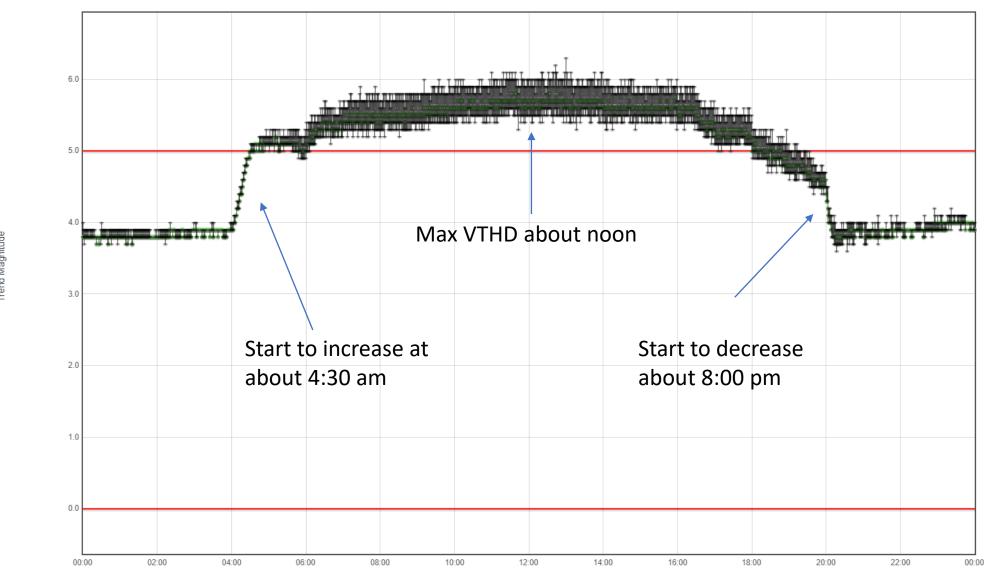


VTHD Profile follows Chillers operation

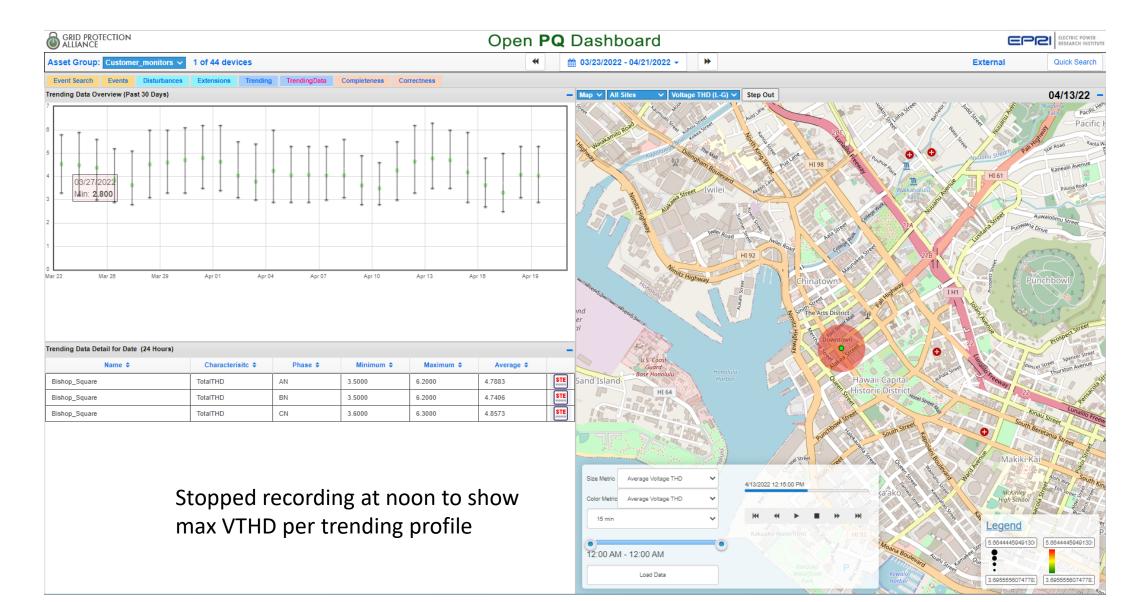
GRID PROTECTION

openSTE • Trending Data Viewer

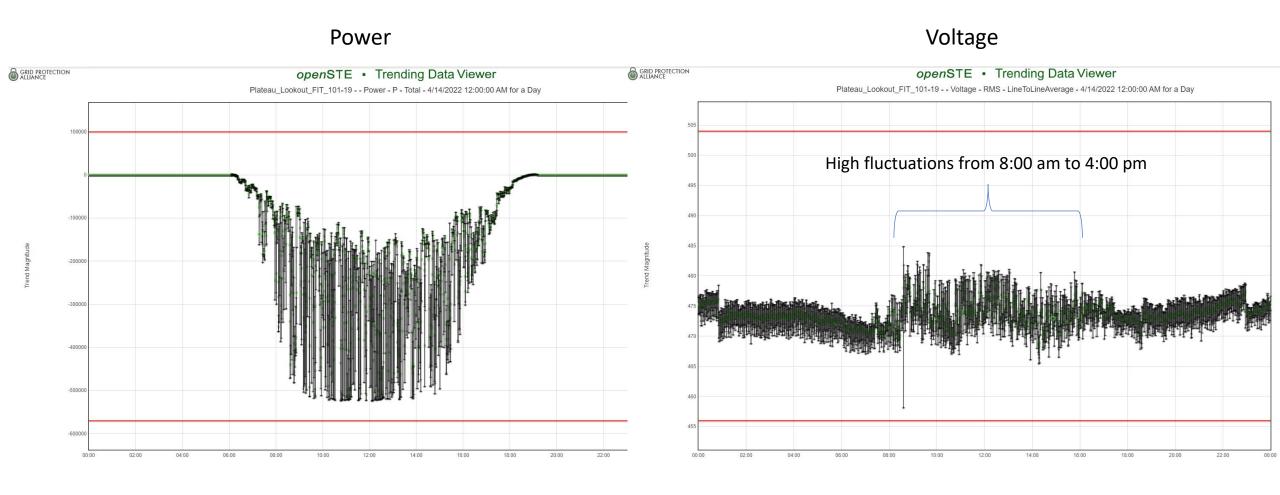
Bishop_Square - - Voltage - TotalTHD - LineToNeutralAverage - 4/13/2022 12:00:00 AM for a Day



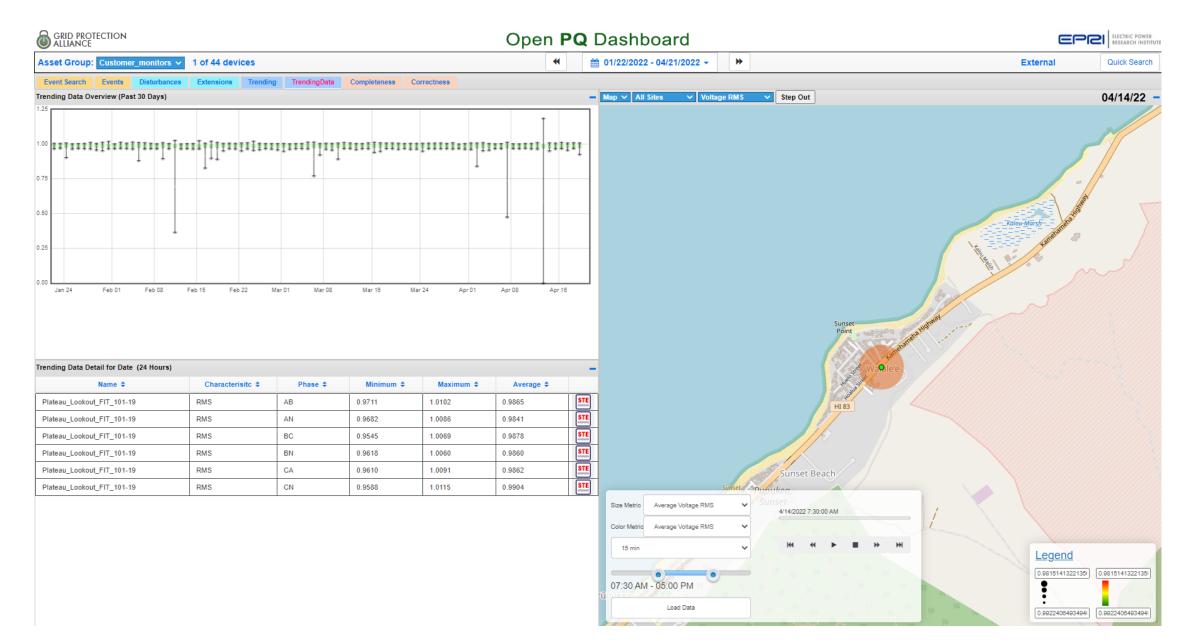
Run VTHD Trending data over 24-hour period



500kW PV System Power and Voltage Profiles



Run Voltage Trending during high PV Fluctuation Period



Voltage Trending for All customer sites across island

