



One of Texas' Largest Independence School Districts Sees Dramatic Battery Voltage and CCA Improvement with the SP-10

Challenge: Test and record the change in battery voltage and CCAs (cold cranking amps) when SP-10, SolarPulse Battery Chargers are installed on school buses compared to what happens to batteries when no SP-10 chargers are used.

Test: The batteries of eleven school buses were each tested using a 390PT Battery Tester and the voltage and CCAs were recorded. Five of these buses were then each fitted with a SP-10 Solar Battery Chargers. All bus batteries were then routinely tested over a 7 month period and the results recorded to determine whether battery voltage and CCAs changed.

Equipment:

- [390PT](#), PulseTech Battery Analyzer, 6V and 12V Battery Tester
- [SP-10](#), SolarPulse 12V Battery Solar Charger Maintainer, 10W



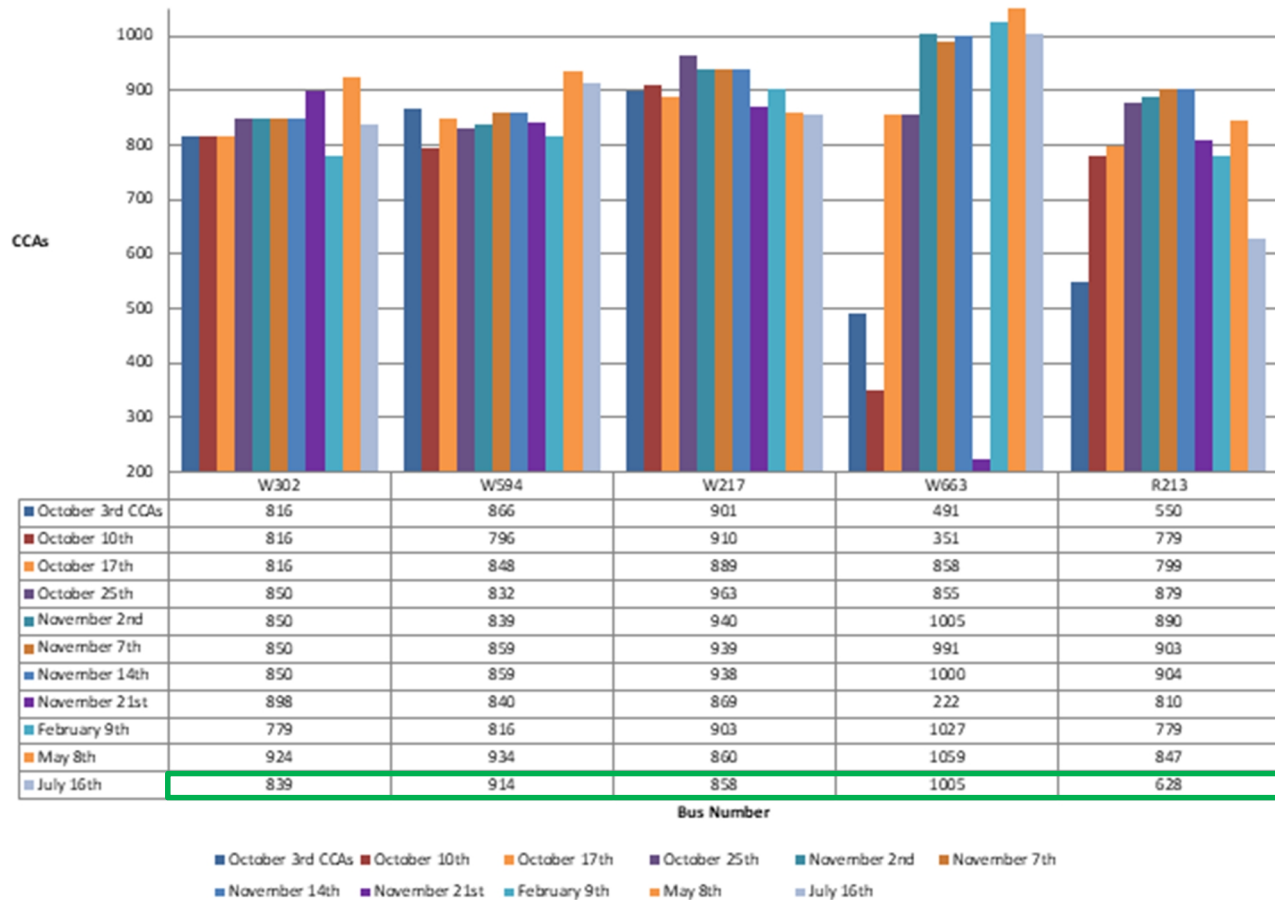
SP-10 Installation:



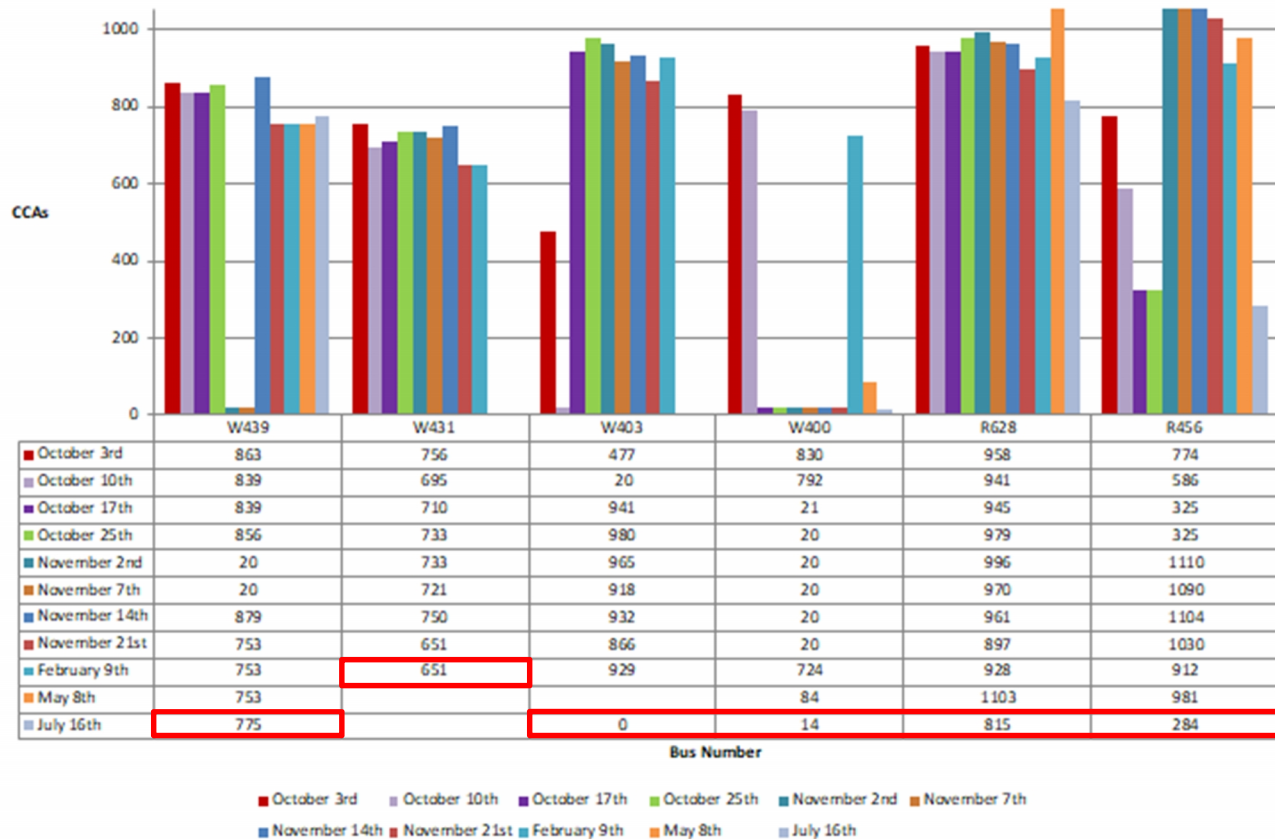
Shop Foreman's Comments: "PulseTech Products gave us five [SP-10 SolarPulse chargers](#) to install on our school buses. Installation took place on October 3rd 2017 and CCA and Voltage were measured periodically so we could determine how effective the SP-10 was. **To our surprise, four buses even started after the school winter break without the usual jump start.** One of the buses did need a jumpstart, but that was because a camera system was stuck on over the break and had a high AMP draw. Ultimately we saw a noticeable improvement in the buses with SP-10 SolarPulse chargers installed and would recommend these solar chargers as an effective way to keep bus batteries topped off and in peak condition." Thanks, John, Shop Foreman

Conclusion: Dramatic battery voltage and CCAs improvement was seen in ALL the buses with an SP-10 installed. In contrast, battery voltage and CCAs decreased in ALL the buses that didn't have an SP-10 solar charger.

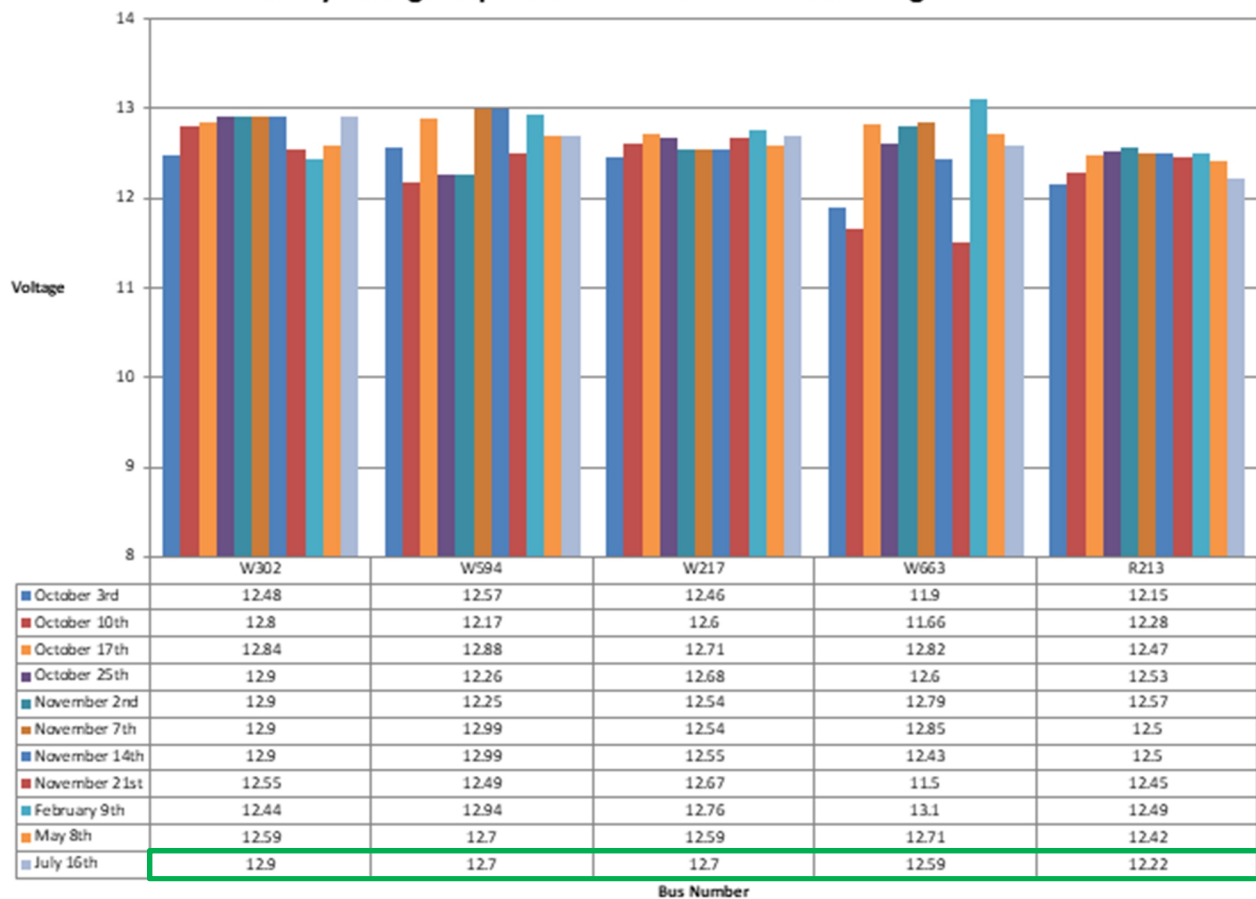
Battery CCA Improvement With SP-10 Solar Charger Attached



Battery CCA Change Without SP-10 Solar Charger Attached



Battery Voltage Improvement With SP-10 Solar Charger Attached



Battery Voltage Improvement Without SP-10 Solar Charger Attached

