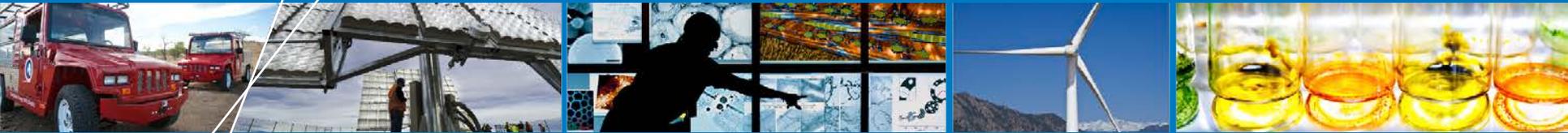


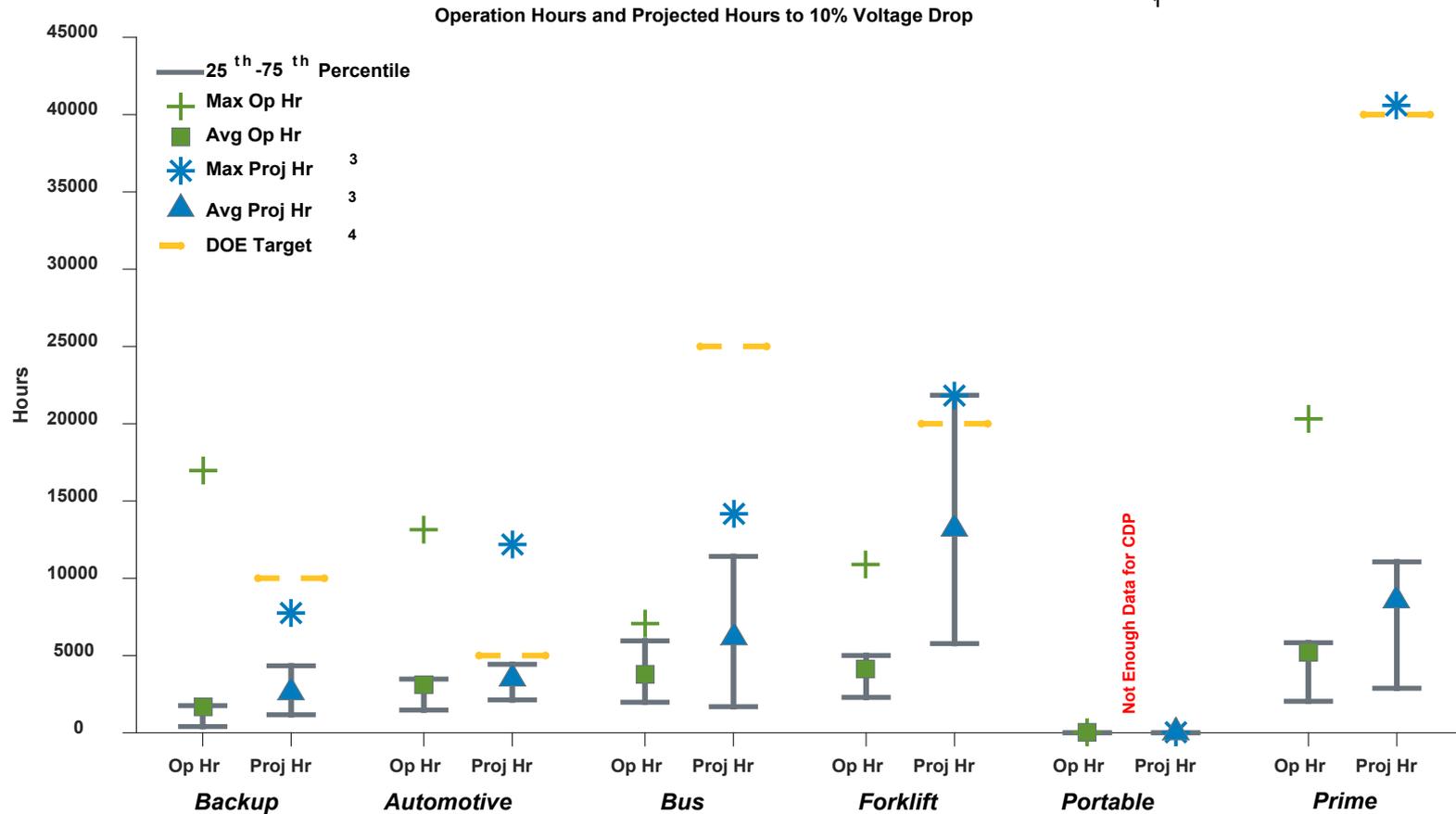
State-of-the-Art Fuel Cell Voltage Durability Status: 2016 Composite Data Products



**Jennifer Kurtz, Huyen Dinh,
Chris Ainscough, and
Genevieve Saur**

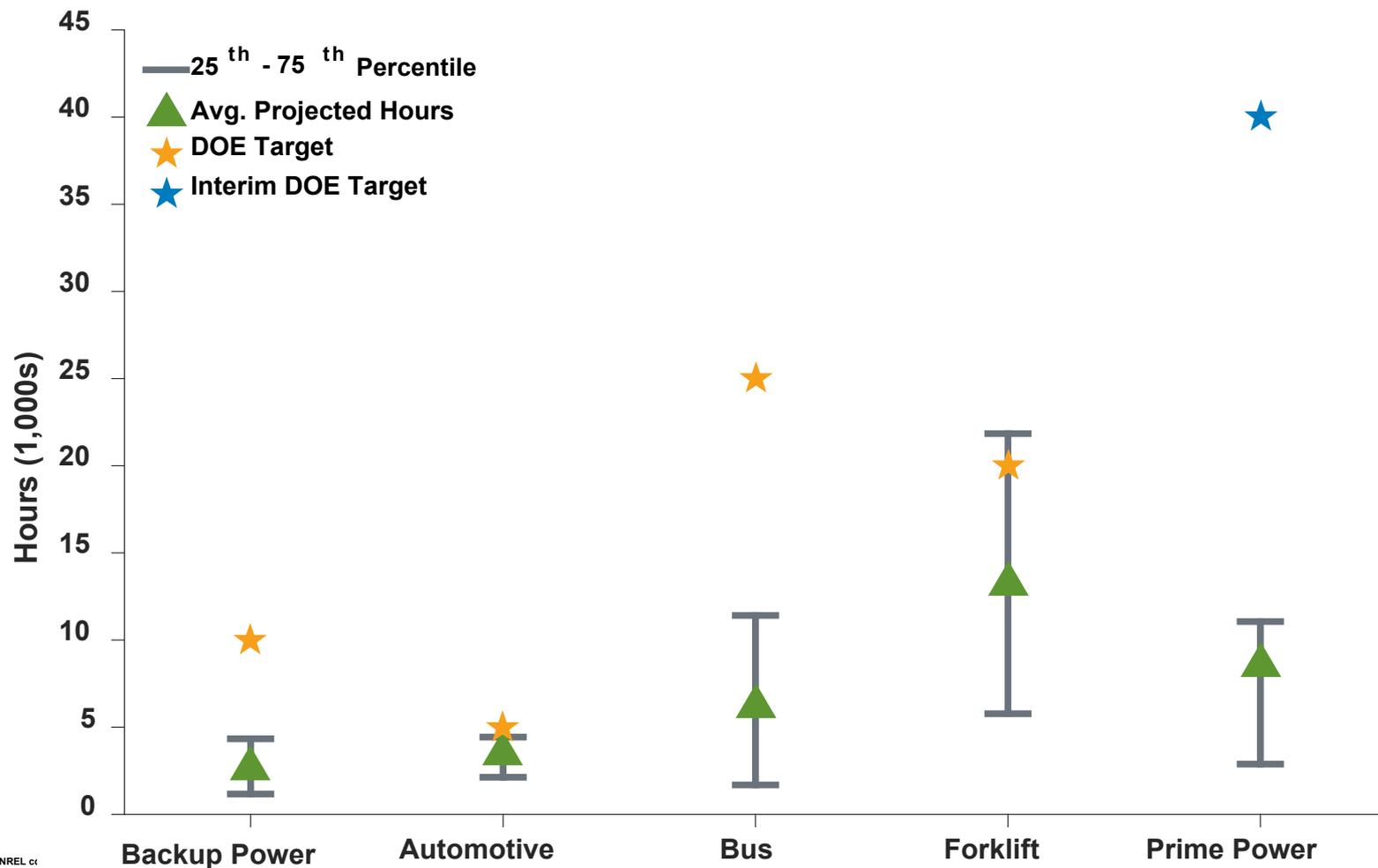
May 2016

CDP-LAB-01: Lab Data Hours Accumulated and Projected Hours to 10% Stack Voltage Degradation



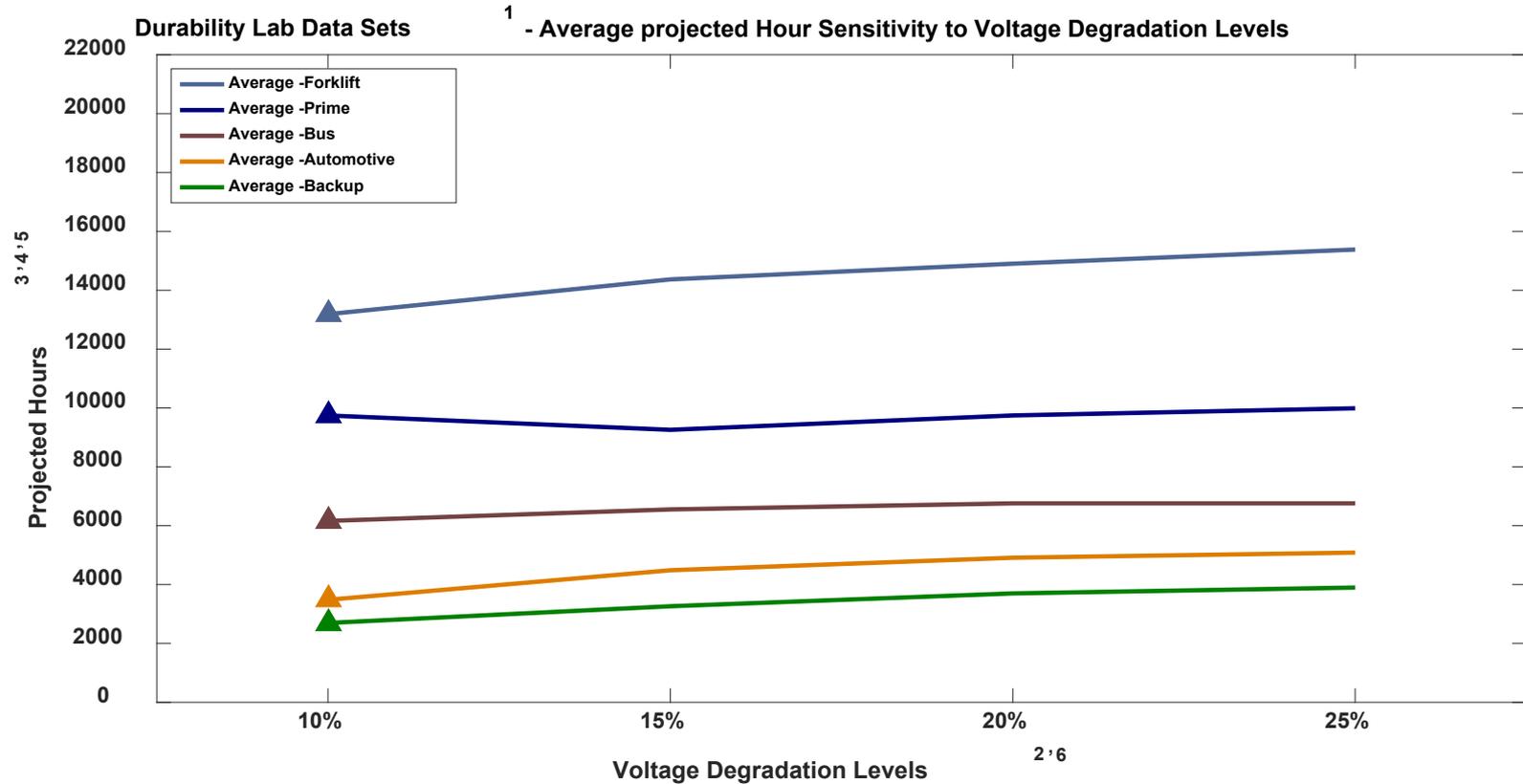
NREL.c

CDP-LAB-01: Lab Data Projected Hours to 10% Stack Voltage Degradation – Simplified



NREL cc

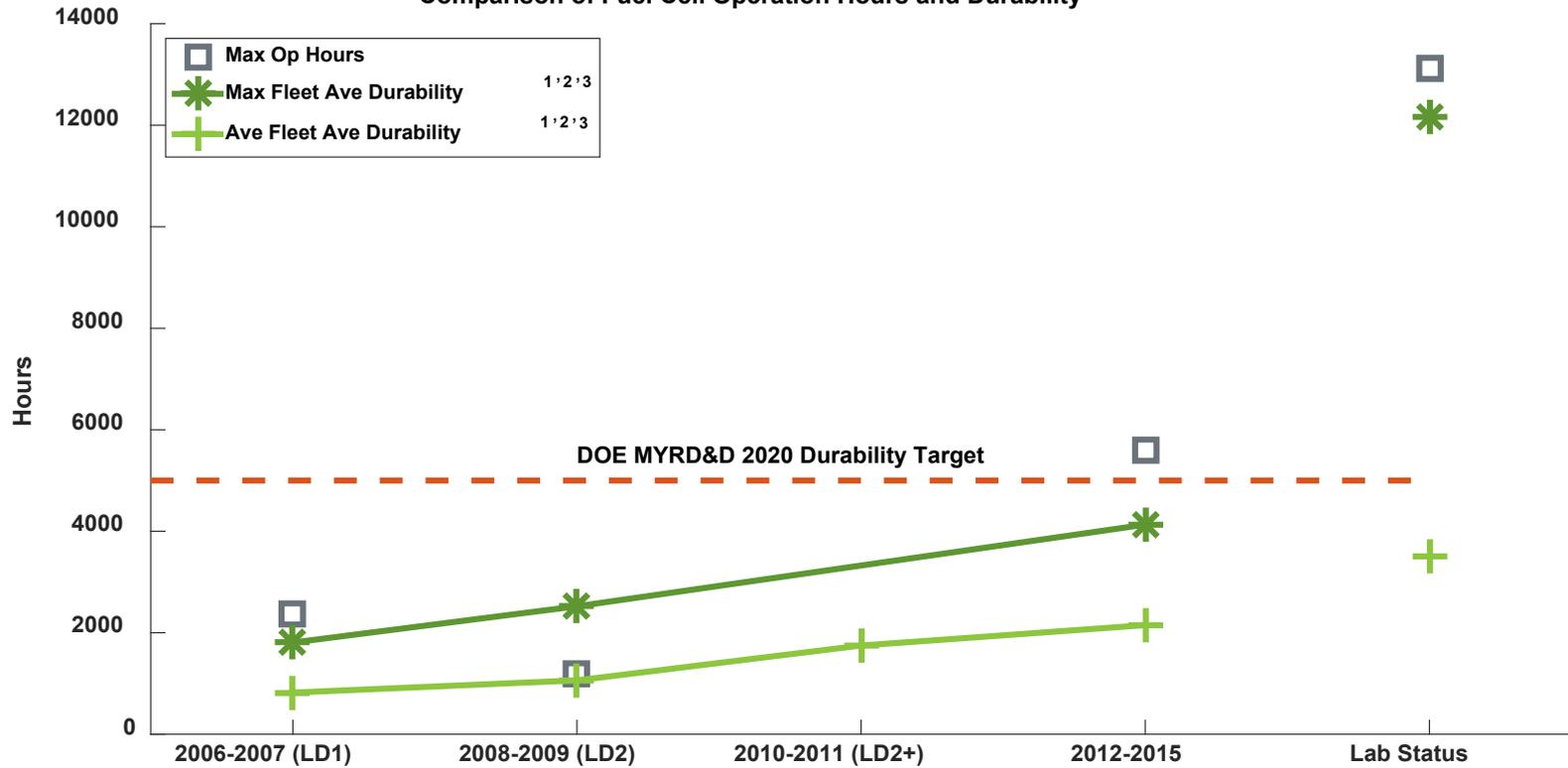
CDP-LAB-02: Durability Lab Data Projection Sensitivity to Voltage Degradation Levels



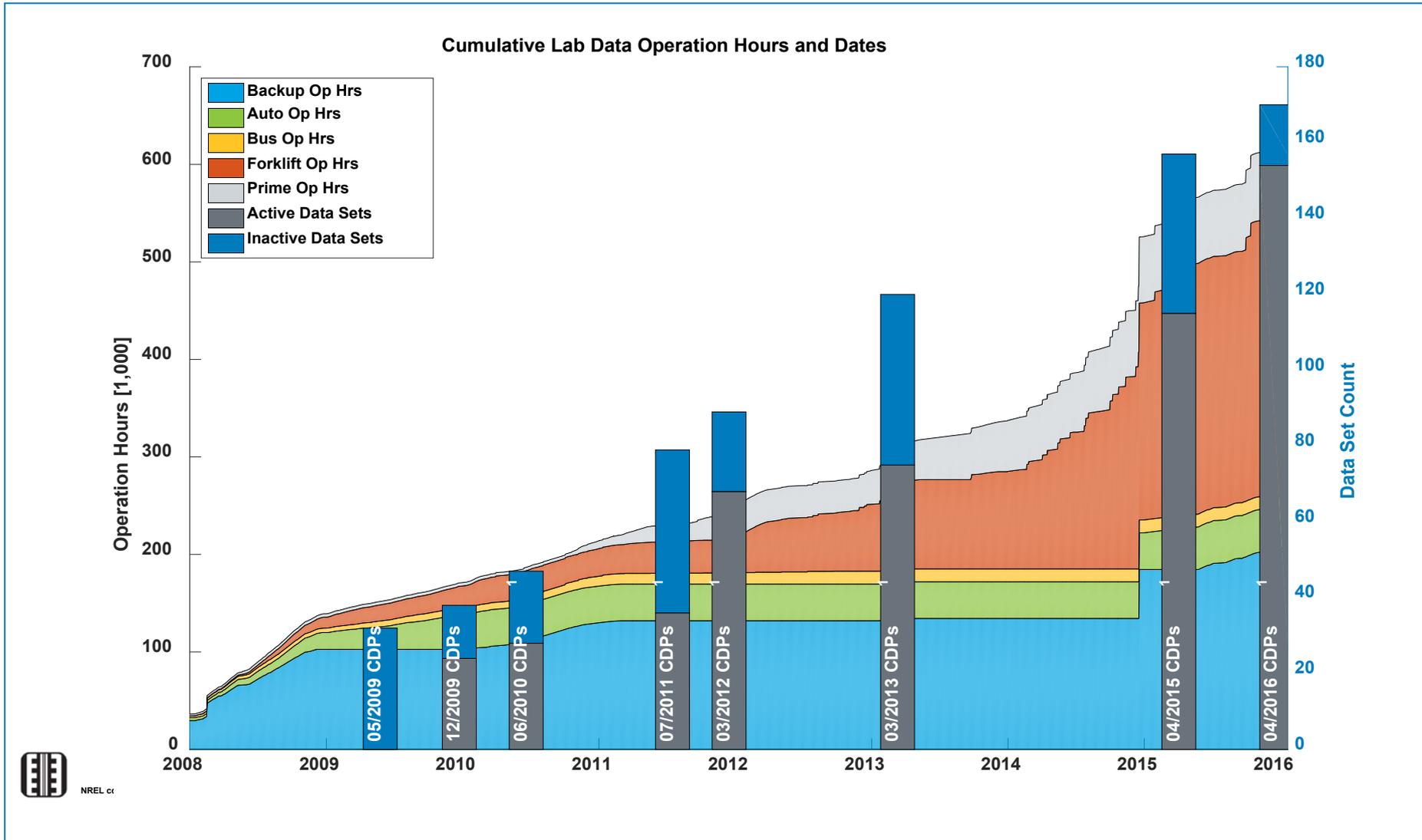
CDP-LAB-03: Field and Lab Durability Projection Comparison

CDP for Automotive Category

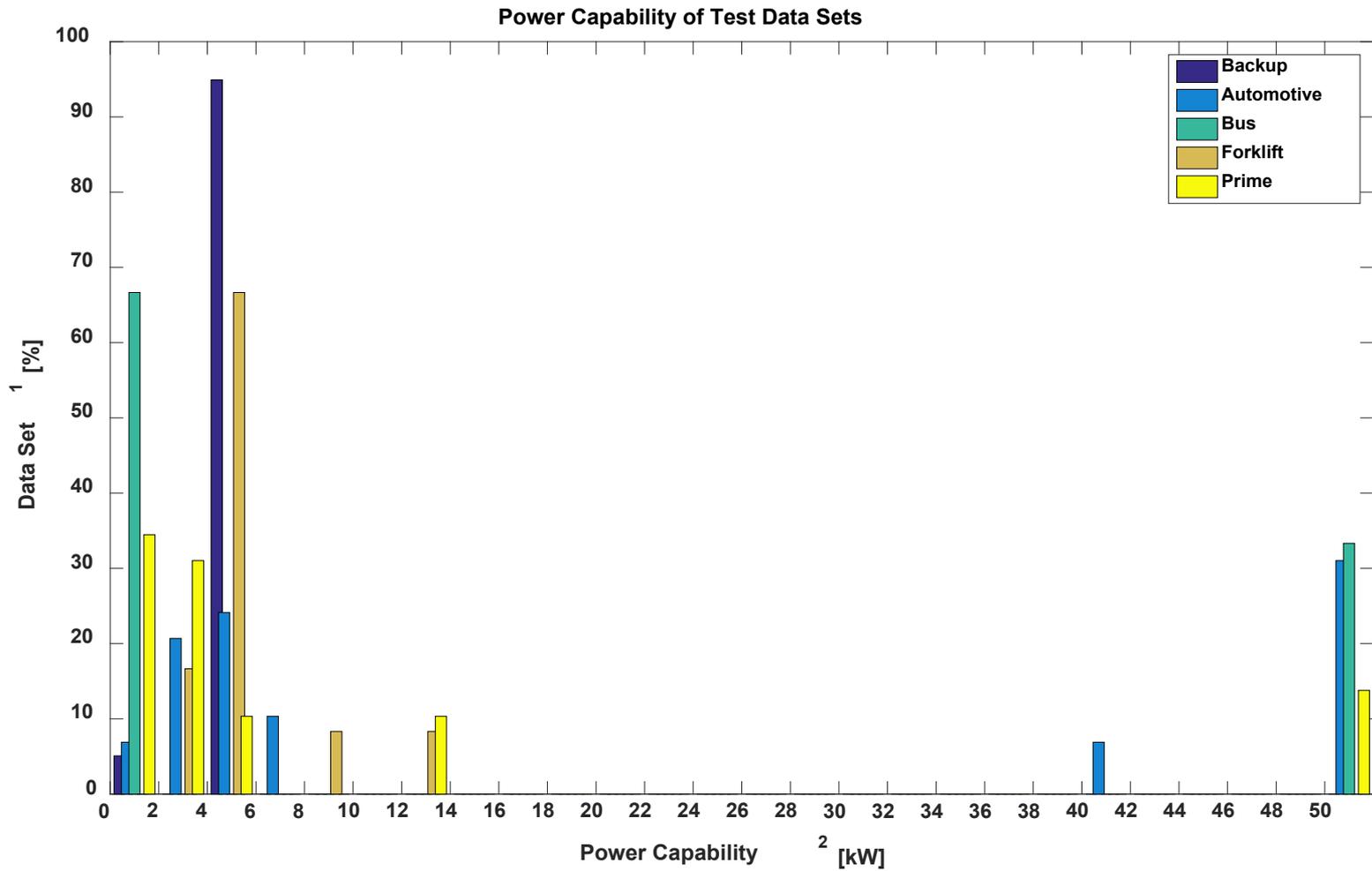
Comparison of Fuel Cell Operation Hours and Durability



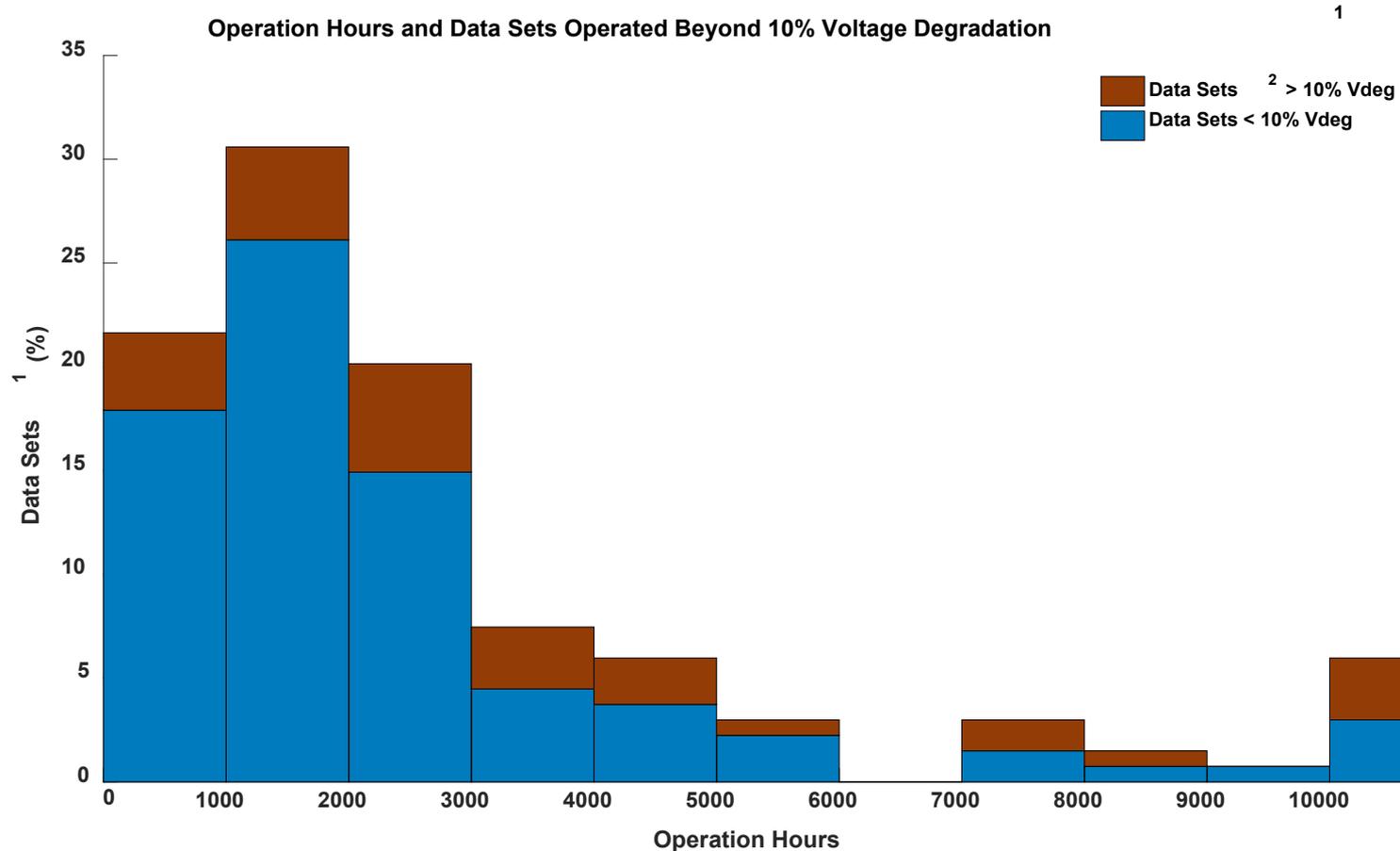
CDP-LAB-04: Cumulative Operation Hours by Application and Number of Data Sets



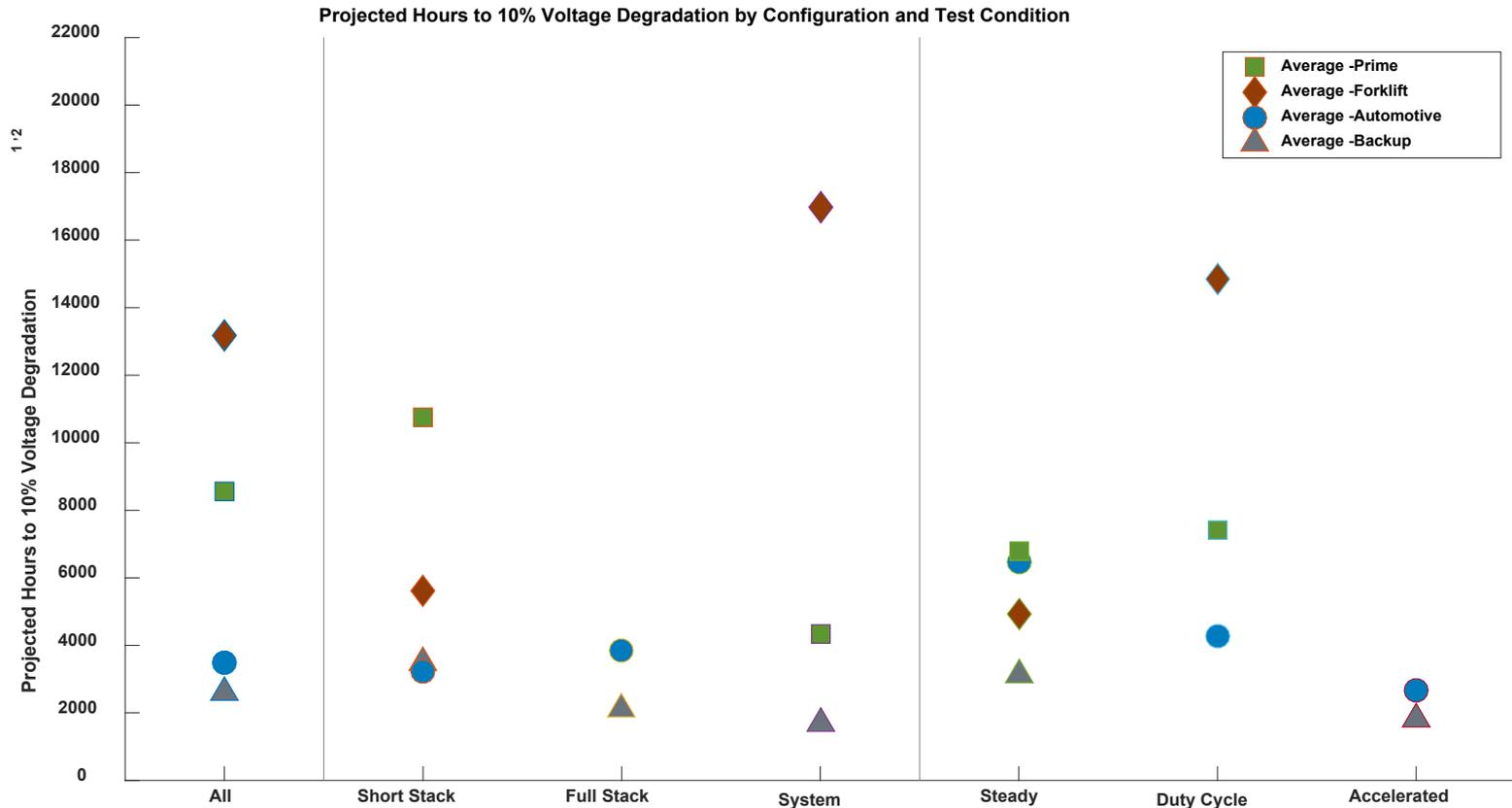
CDP-LAB-06: Data Set Power Capability



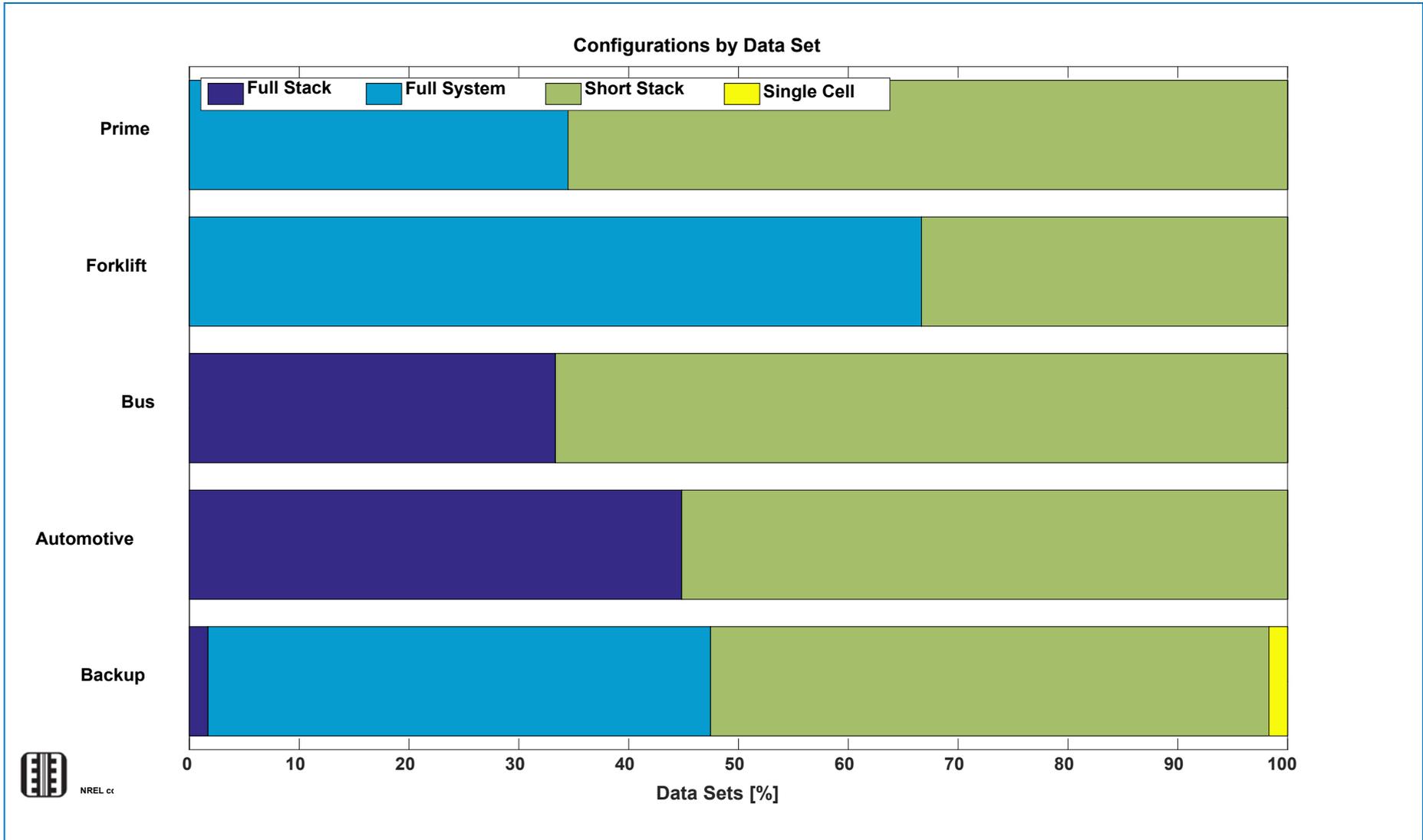
CDP-LAB-07: Data Set Operation Hours and the Percentage of Data Sets That Have Passed 10% Voltage Degradation



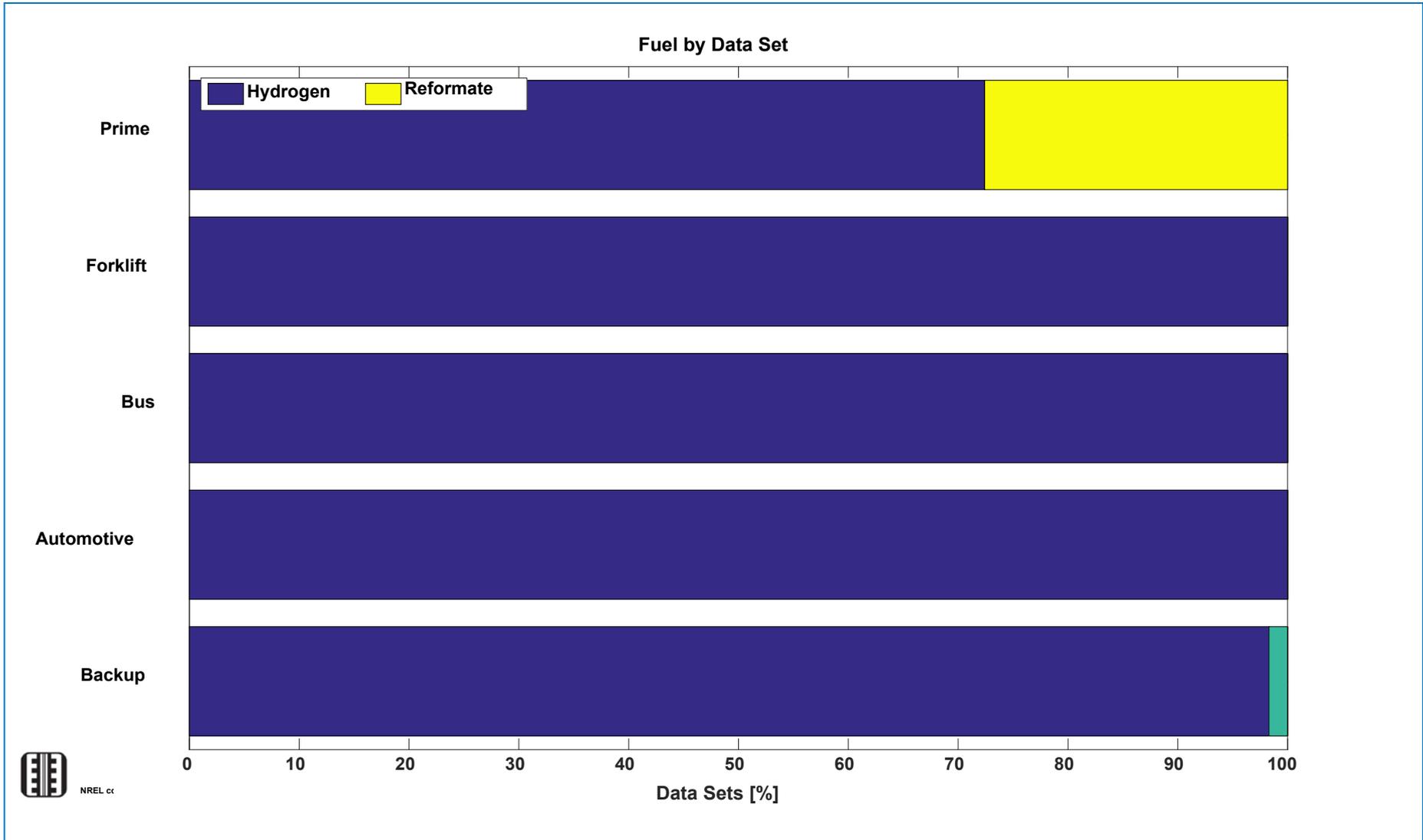
CDP-LAB-08: Voltage Degradation by Configuration and Test Condition



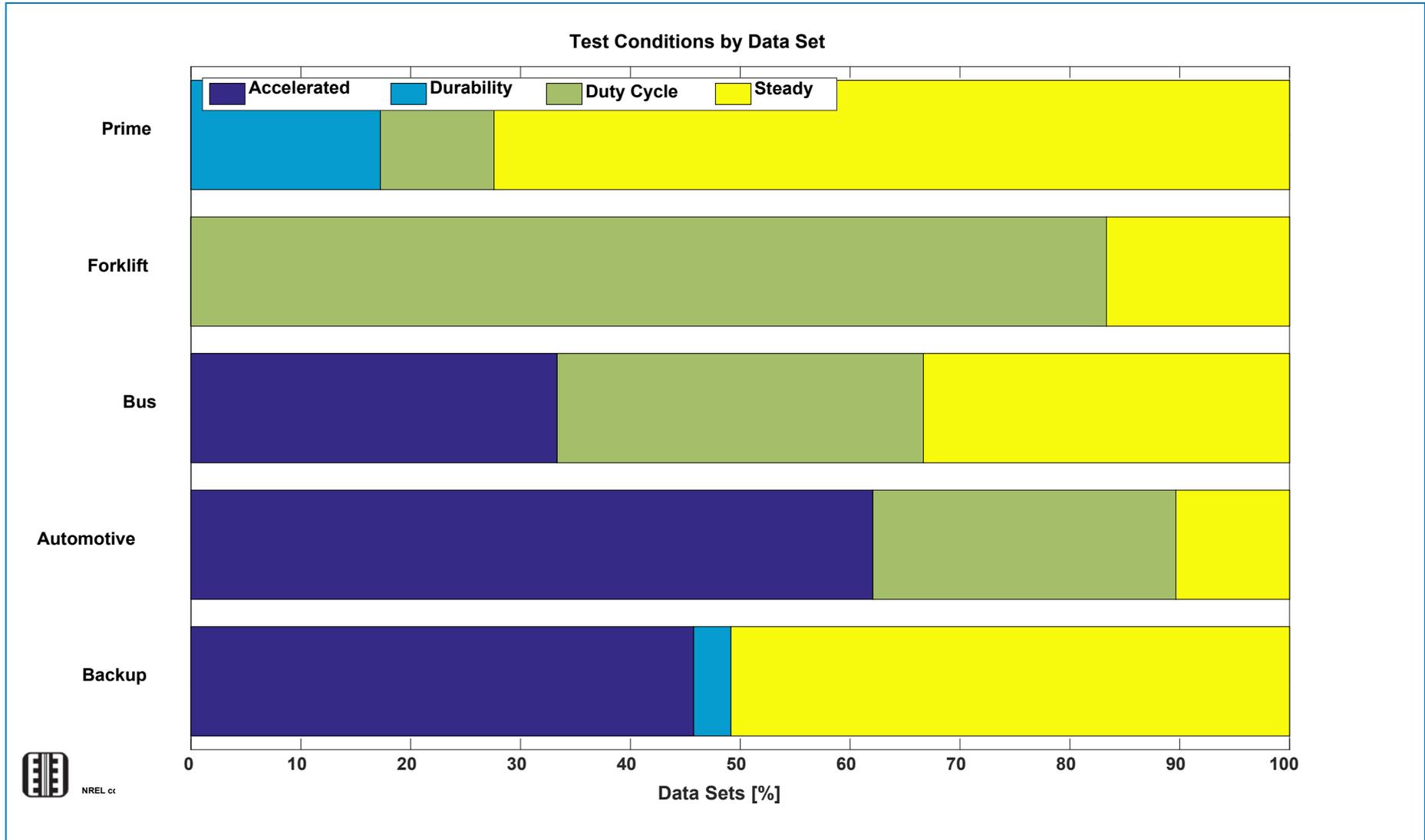
CDP-LAB-09: Data Set Configuration



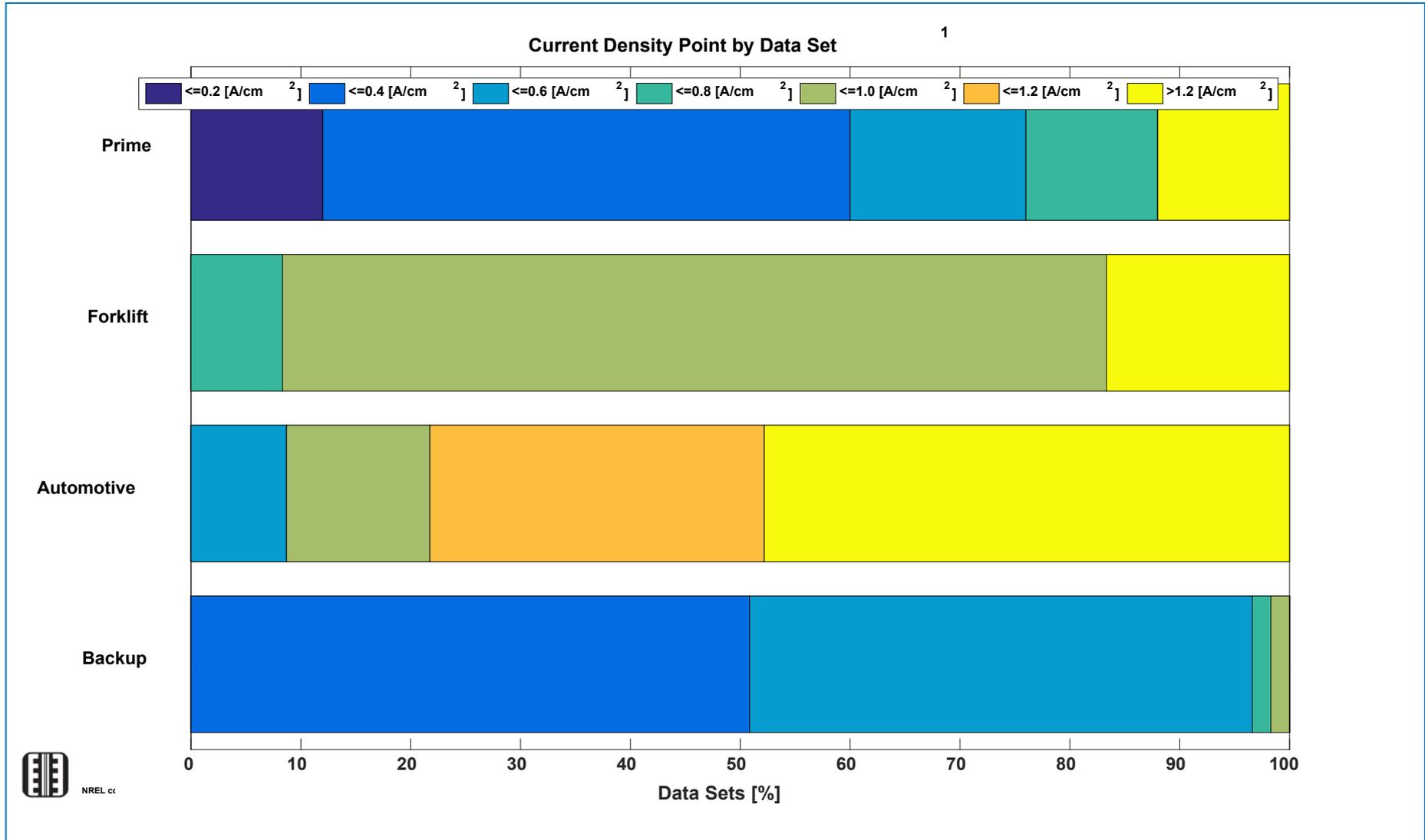
CDP-LAB-12: Data Set Fuel



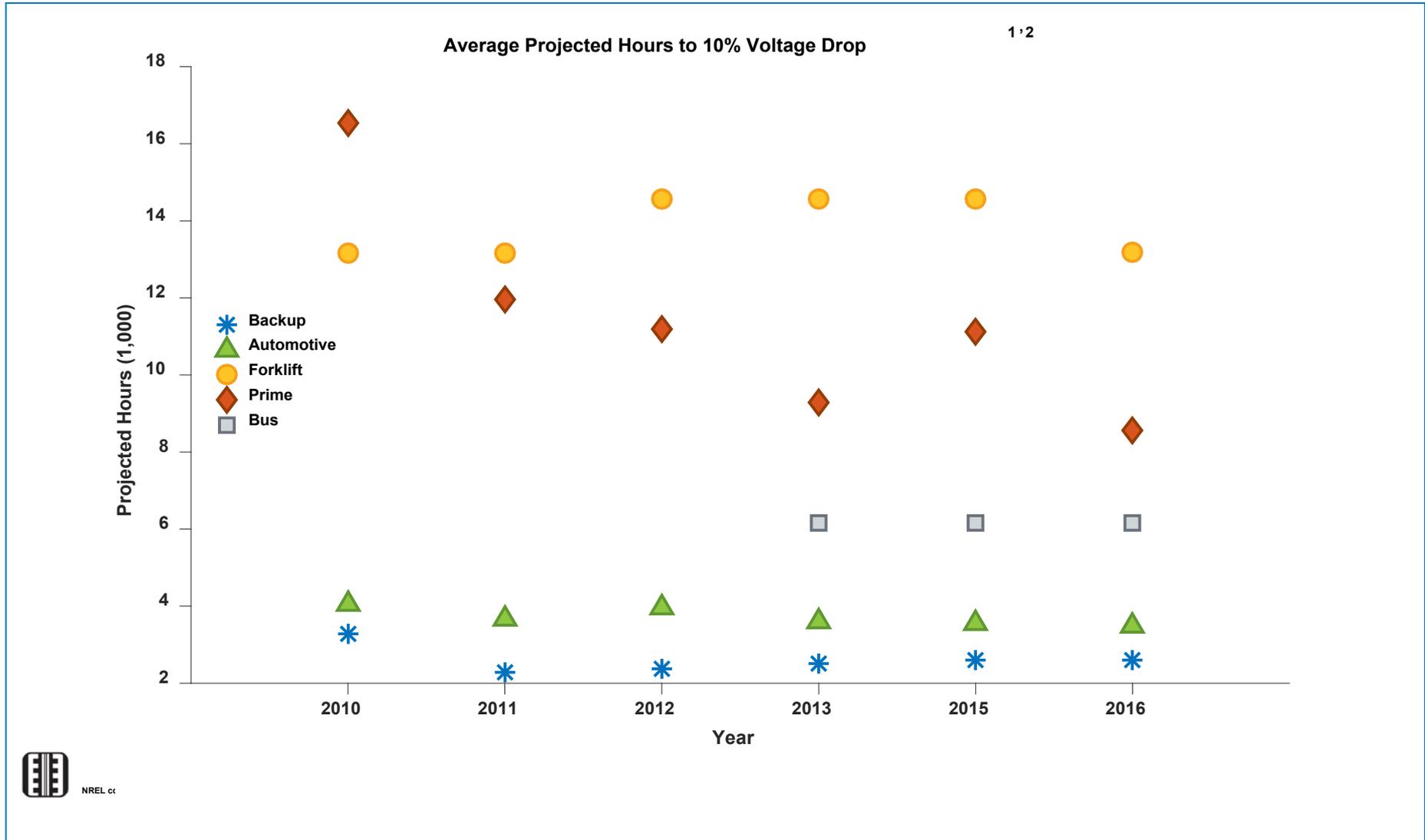
CDP-LAB-13: Data Set Test Conditions



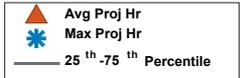
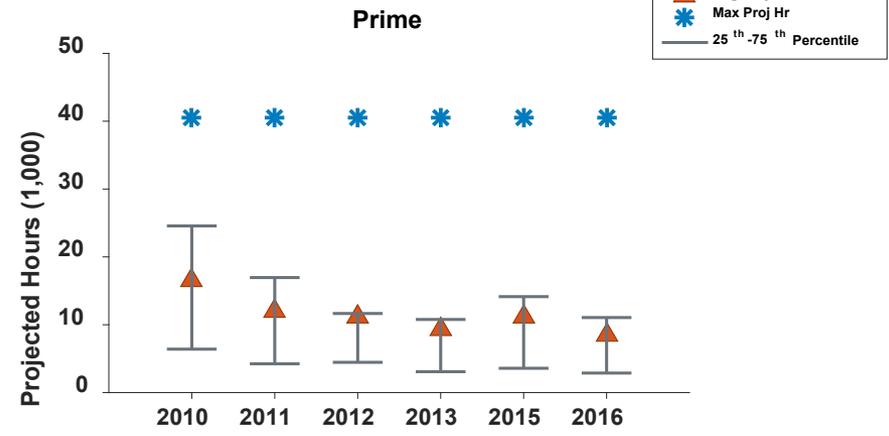
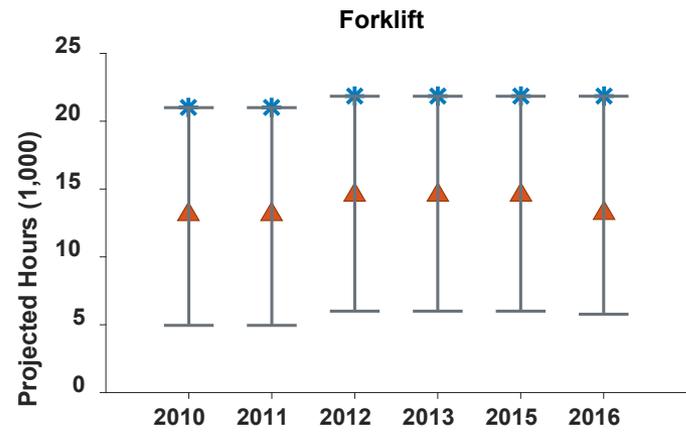
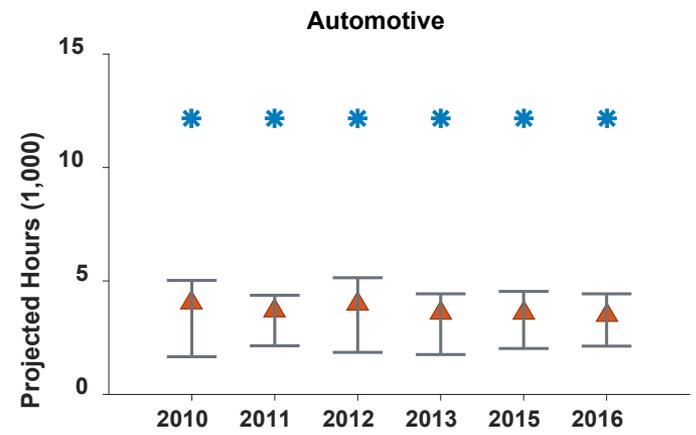
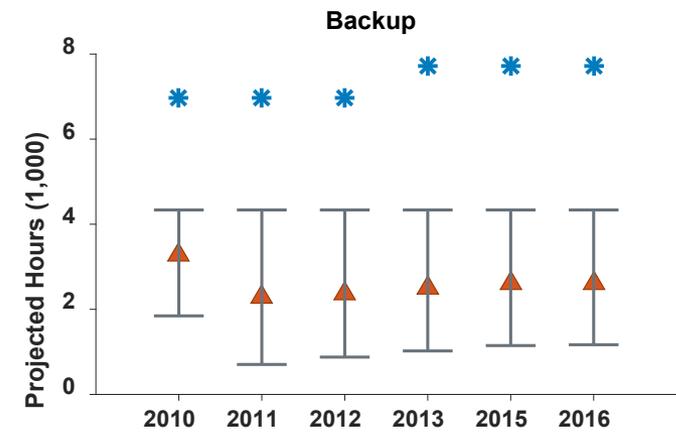
CDP-LAB-14: Current Density Points



CDP-LAB-16: Average Projected Voltage Degradation by Year



CDP-LAB-17: Voltage Degradation by Year



CDP-LAB-18: Electrolyzer Operation Hours and Voltage Degradation

