

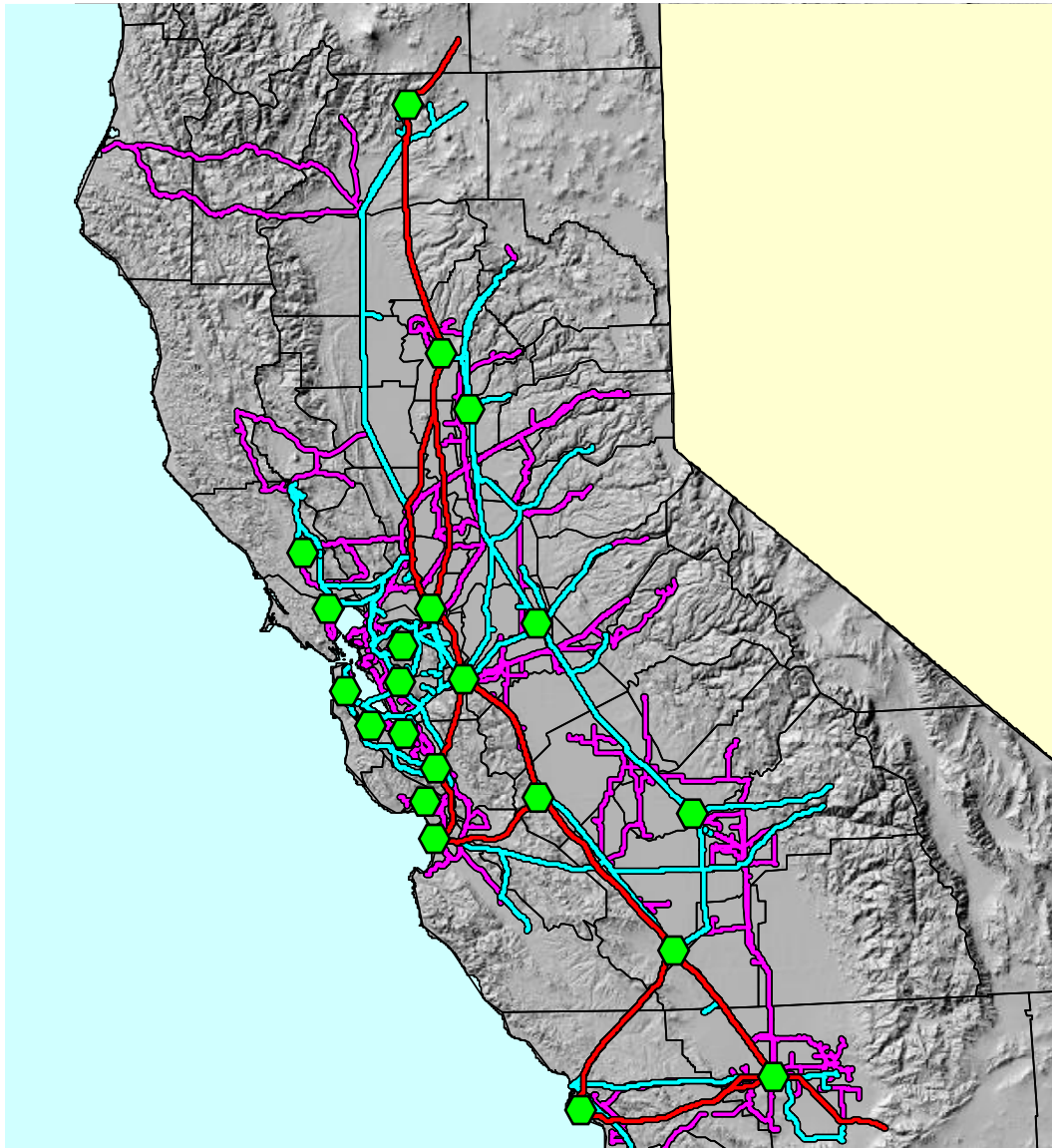


Utility Synchrophasor Deployments Pacific Gas & Electric

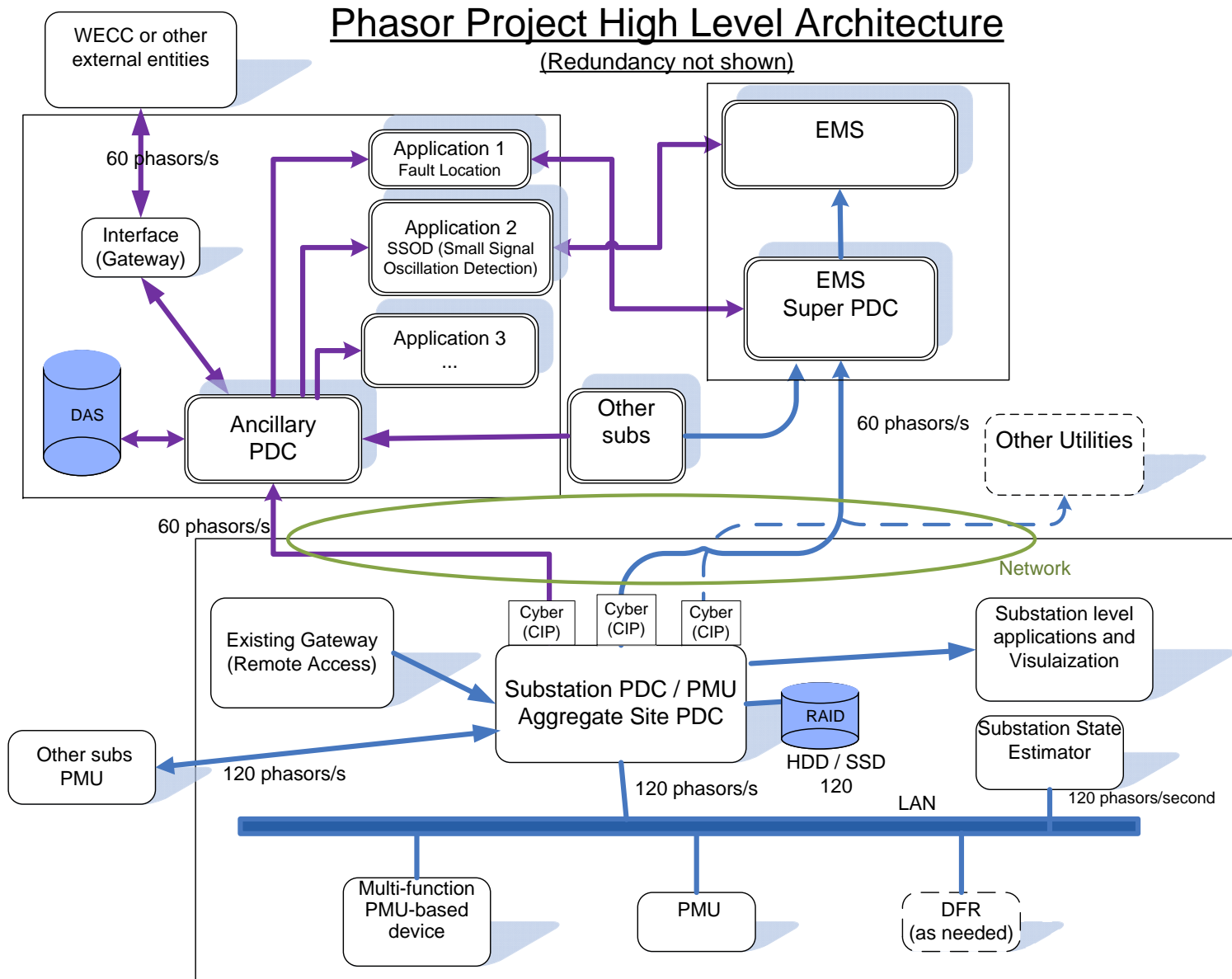
Dewey Day
Sr. IT Architect - Transmission

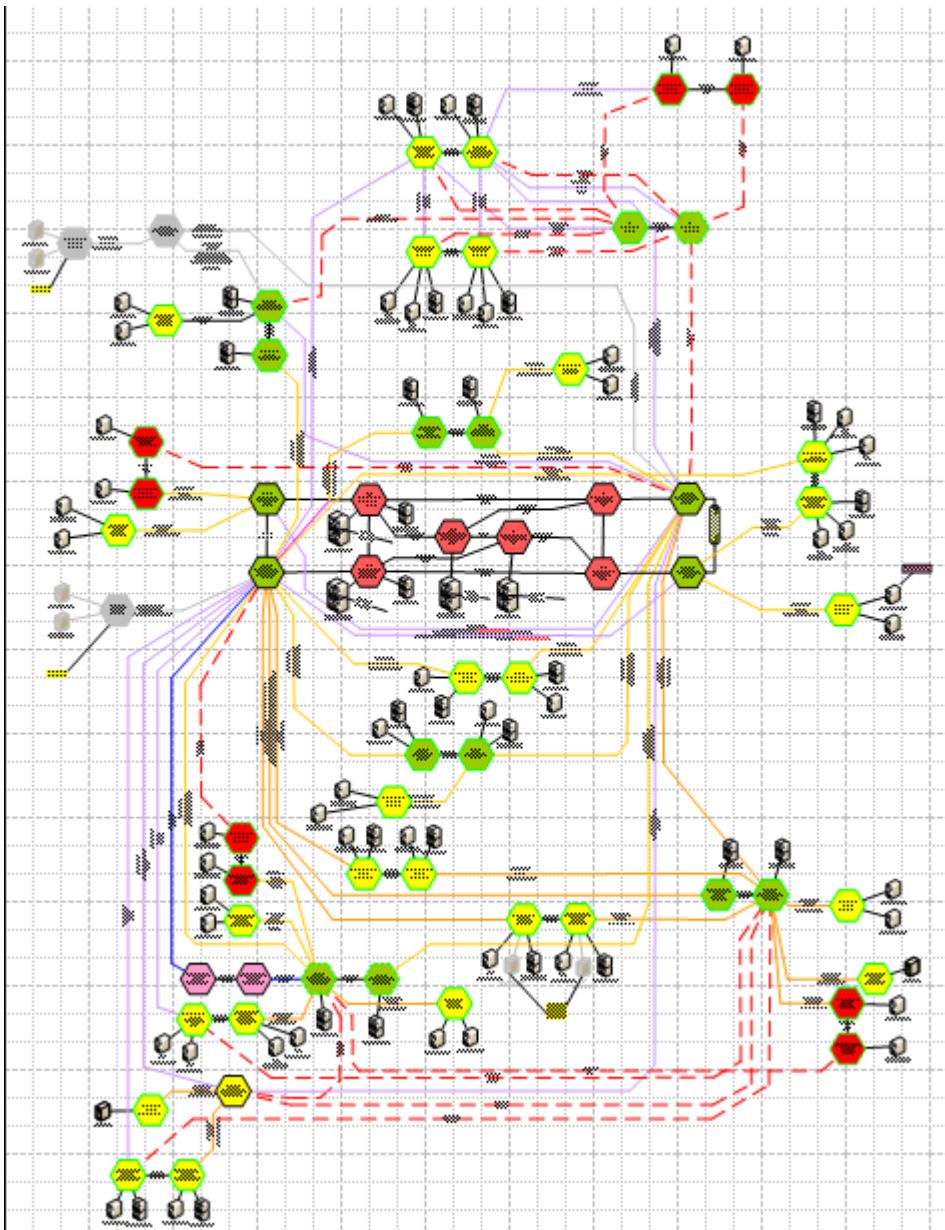


- Most Utility Projects
 - What Problem Are We Trying to Solve
 - How Long Will It Take
 - How Much Will it Cost
- This Project
 - It Will Cost No More Than \$50M
 - It Will Take No More Than 2 Years
 - What are we Going to Build?



- Electric Assets
 - 142 Phasor Measurement Units (PMUs)
 - 26 Phasor Data Concentrators (PDCs)
 - 2 Super PDCs





- Communications Assets
 - 48 Router Replacements
 - 43 WAN ODN Capacity increases
 - 7 New Microwave links
 - Many Fiber System Upgrades

Dewey Day
Sr. IT Architect
Pacific Gas & Electric
DCDB@PGE.COM

