

SynchroPhasor Technology Deployment Project Update

Chantal Hendrzak

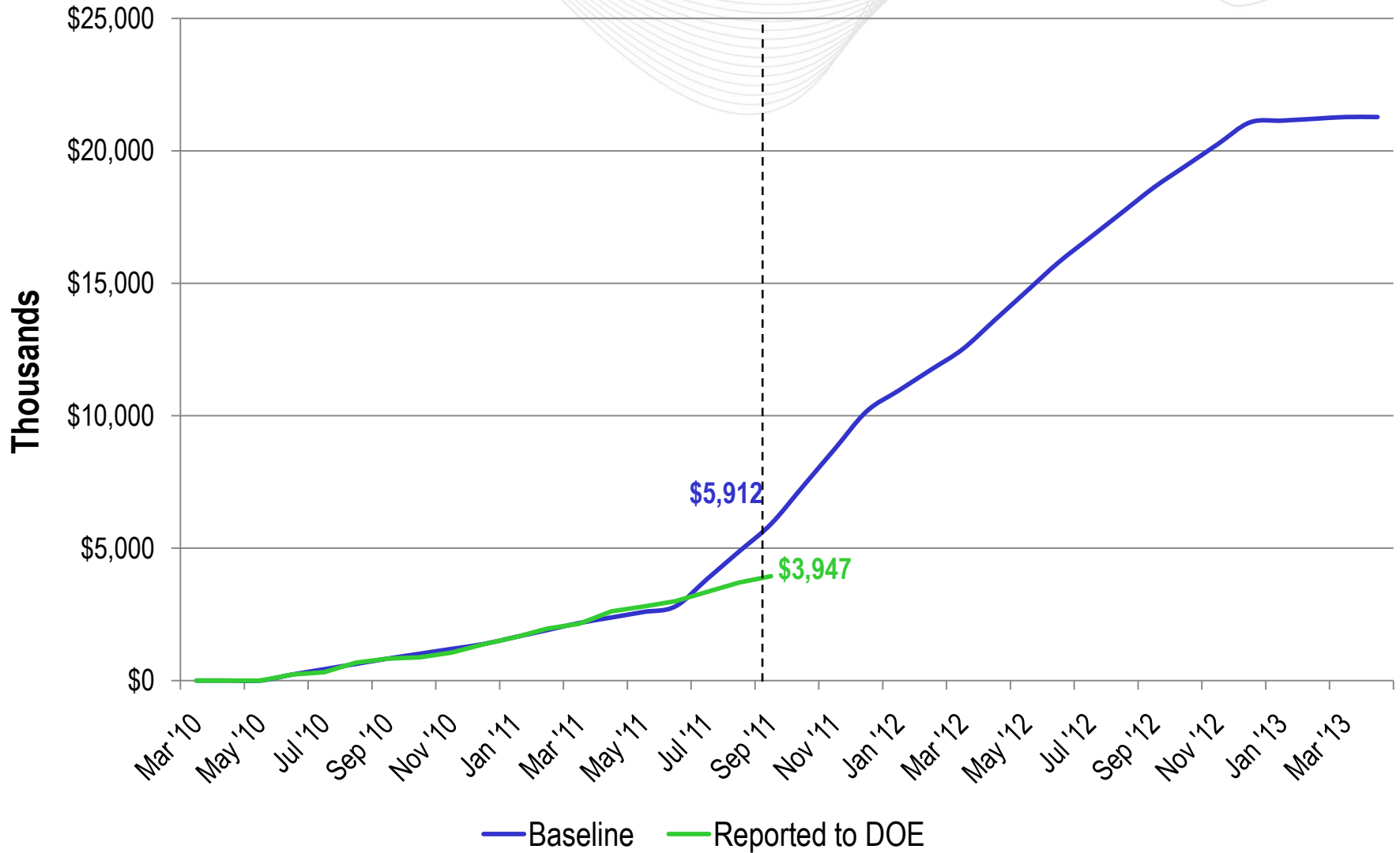
TOA-AC

November 10, 2011

Acknowledgment: "This material is based upon work supported by the Department of Energy under Award Number: DE-OE0000373"

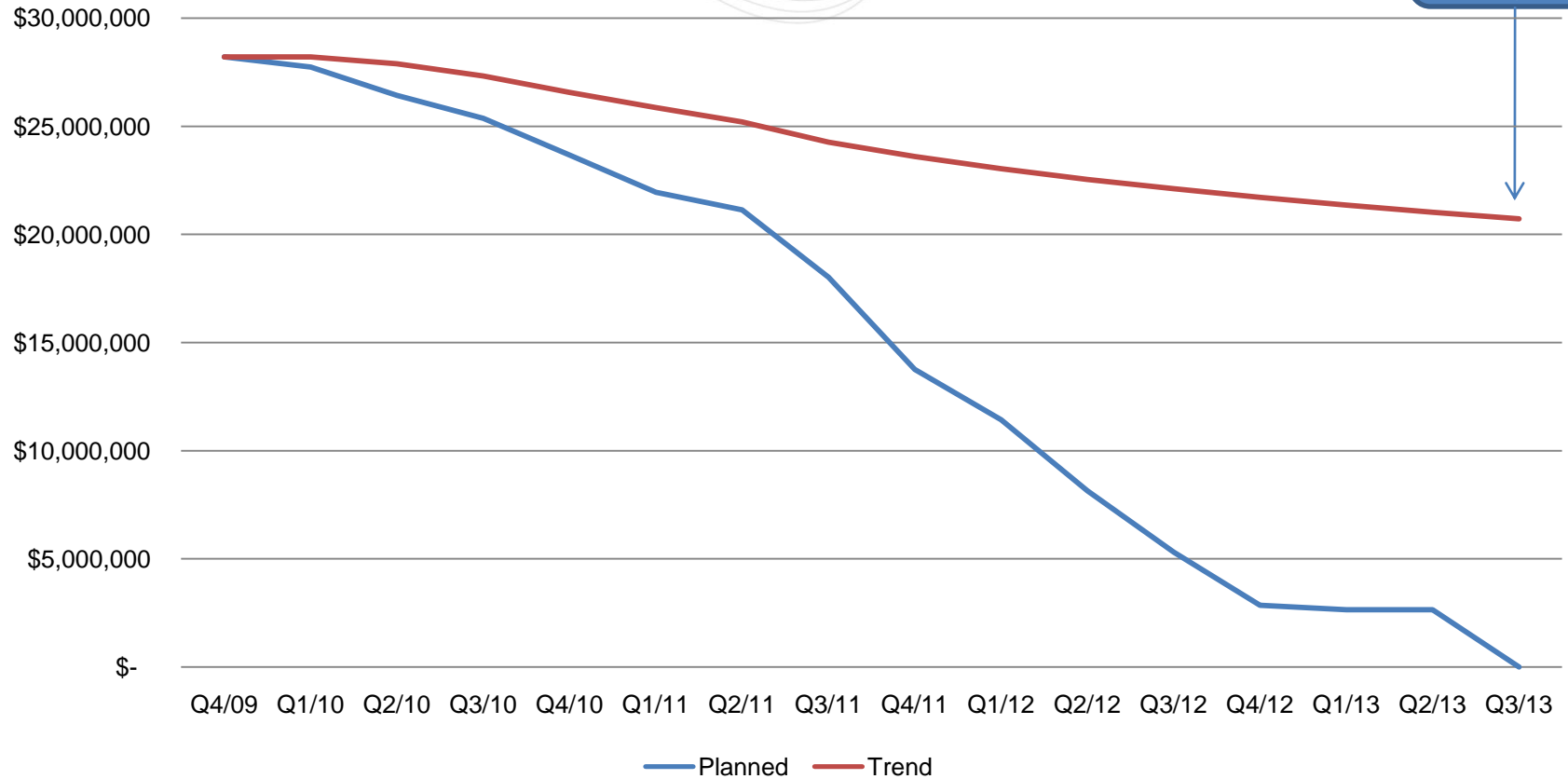
Disclaimer: "This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof.

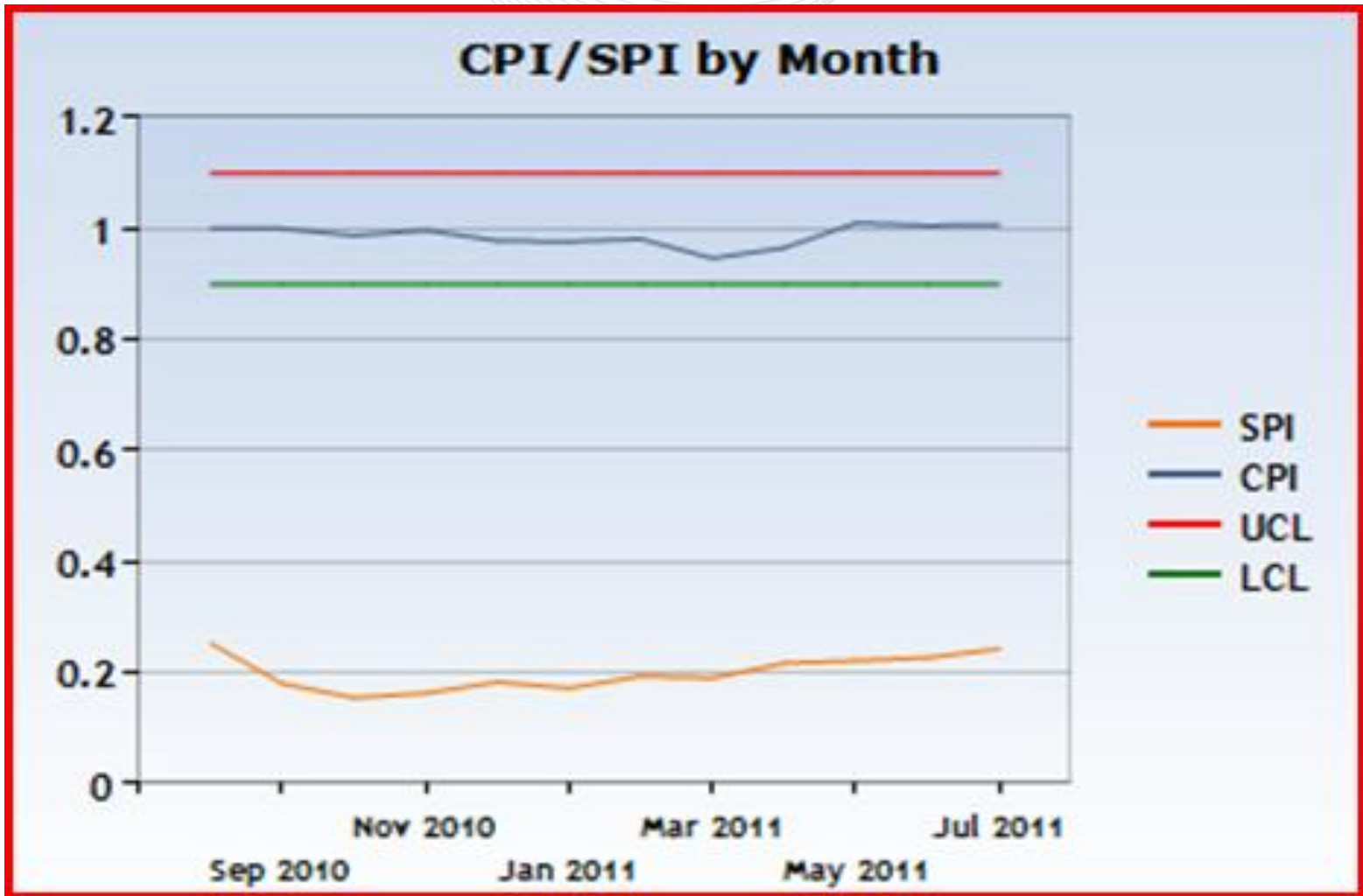
The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof."

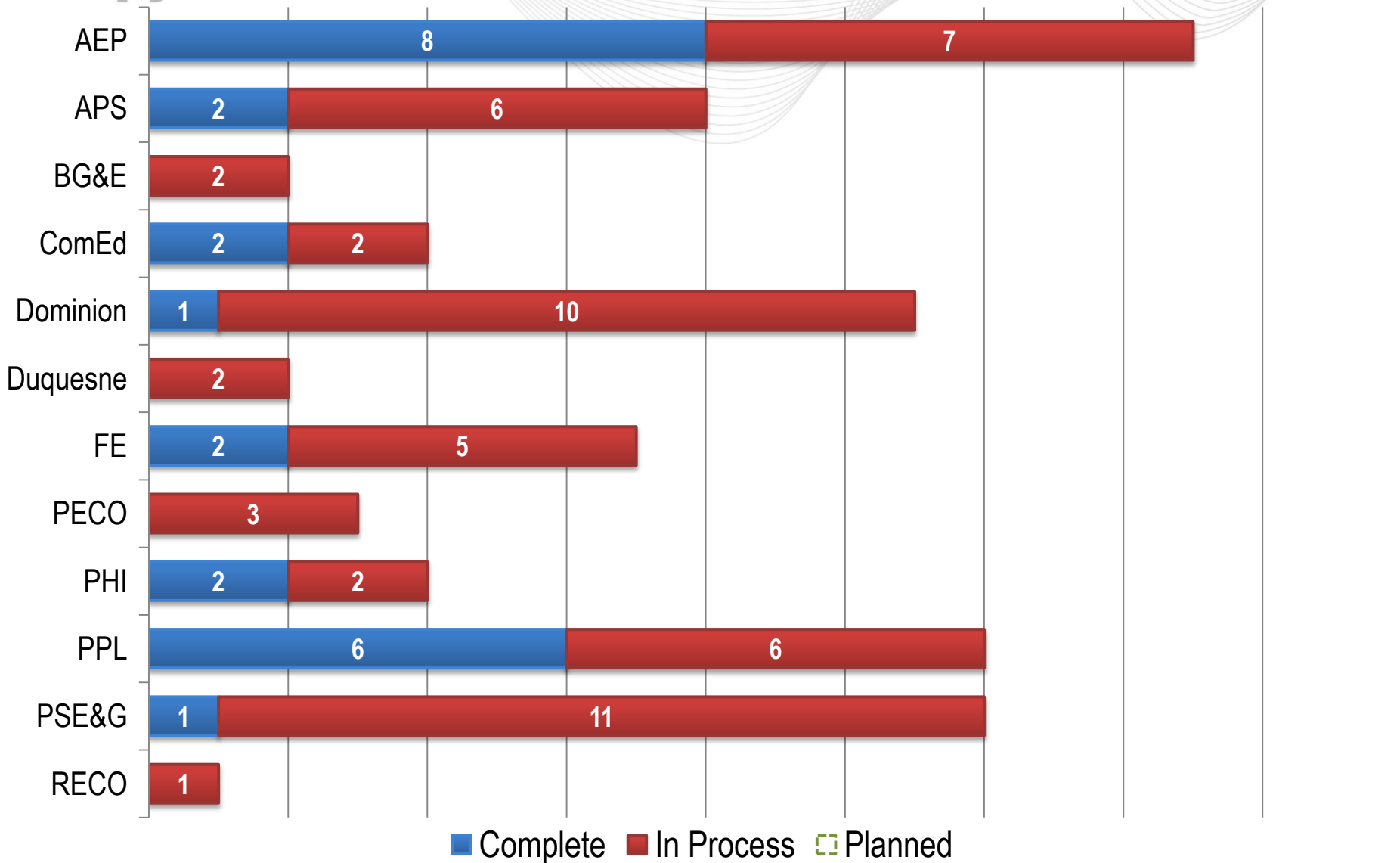


Burn Down Chart - Spending Trend

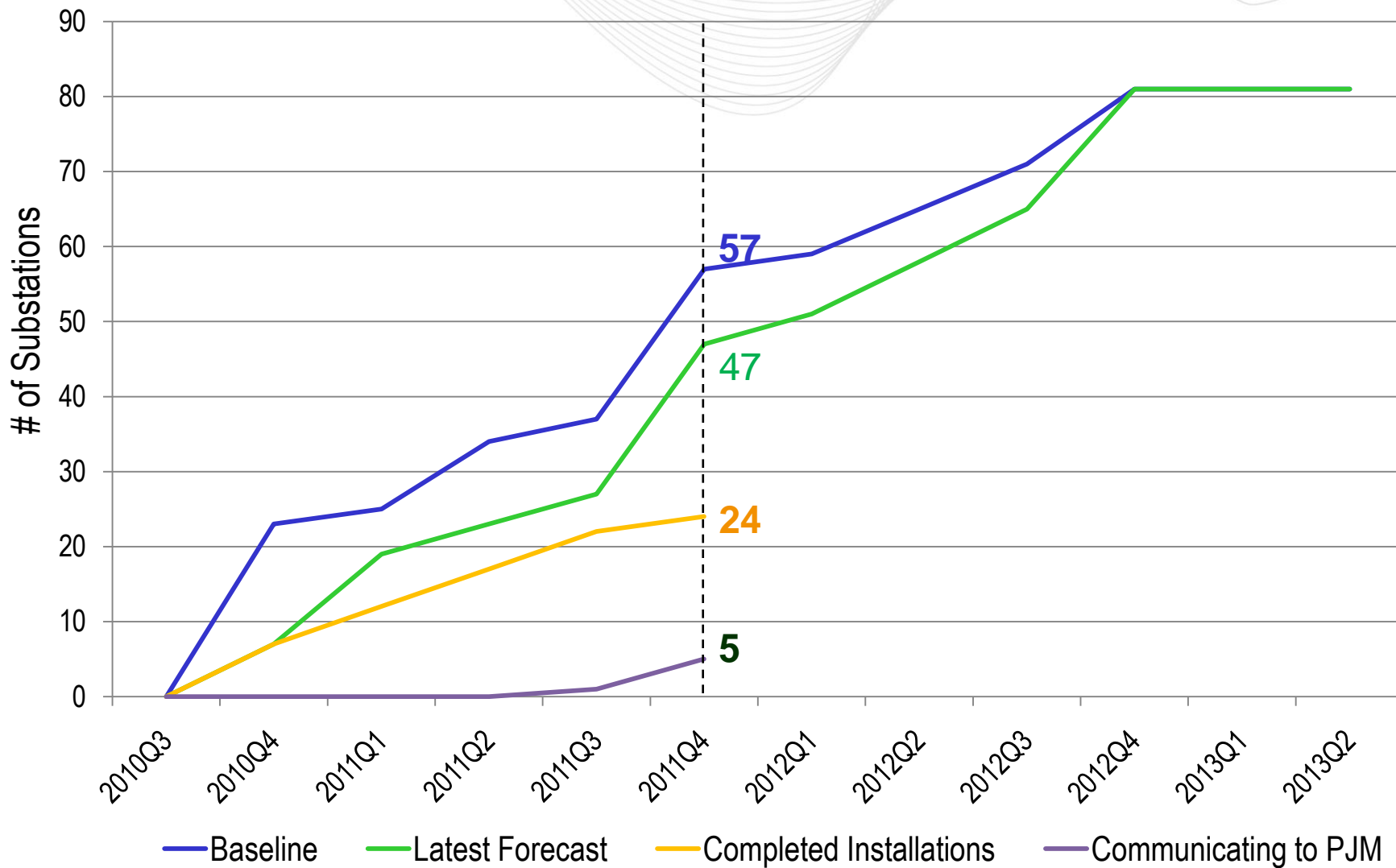
End of Project

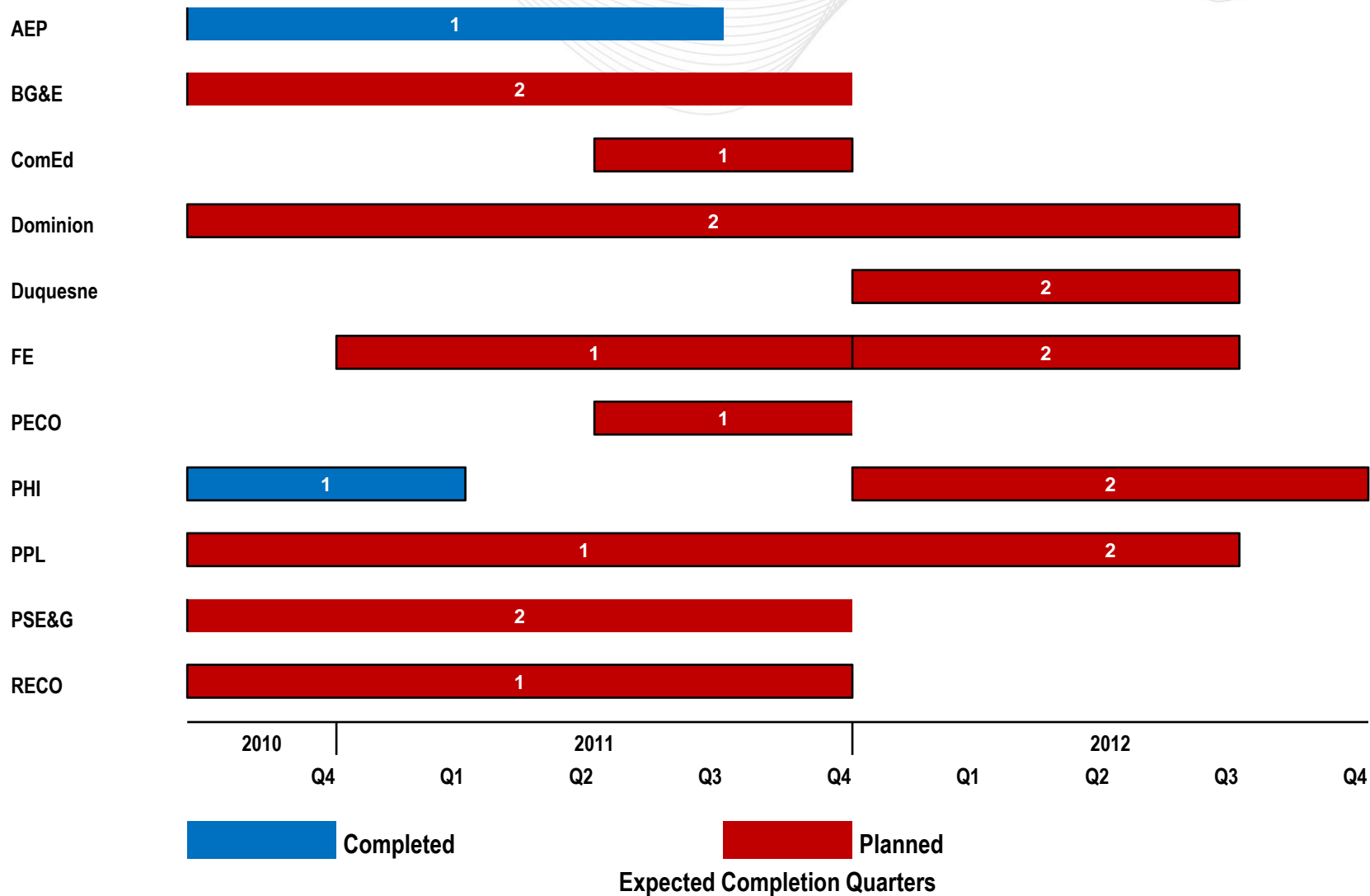






PMU Installations (Substations) vs. Forecast & Baseline





- Receiving data from AEP!
- T1 telecommunications lines installed at five (5) TOs
- Transmitting PJM data out to MISO (20 PMUs)
- Receiving data in from MISO (45 PMUs)

- ***Install, Spend, Invoice*** - ASAP (before time runs out)
 - Invoices need to be submitted as soon as work is completed
- **Funding is available so the more PMU installations... The better**