System Protection and Control Program FY14-15

SPC assets include protective relaying equipment, sequential events recorders, fault recorders, meters and control/indication equipment. Investment in sustaining SPC assets is guided by an SPC Asset Management Strategy and the Integrated Control Systems Strategy (ICSS). The ICSS seeks to coordinate the execution of asset strategies for SPC, power systems and control, telecommunications and certain control center assets. The overriding goal of the strategies is to minimize total economic costs over time. Total economic costs include not only costs to BPA but also costs that would be borne by customers and others if derates or outages occur due to equipment failure.

The SPC replacements in this program period serve to execute a strategy that will:

- Reduce the backlog of high-risk, high-impact assets, while maintaining a reasonable level of lower risk replacements;
- Identify equipment that can be run to failure;
- Establish a steady-state life-cycle replacement program over 7 to 10 years; and
- Make key process improvements to increase efficiency and reduce operational risk in the areas of documentation, equipment testing, technical training and replacement execution.

Specifically, the replacements in this program period are targeted at analog electronic relay equipment, “BETA” sequential events recorders and pre-JEMSTAR revenue meters.