

PPL SPS Scheme- West Shore and Cumberland 230 kV

- Purpose of Scheme- to alleviate summer peak overloads caused by N-1-1 contingency.
- Situation- Loss of Cumberland-Juniata 230 kV Line and Cumberland 230-69 kV T2, followed by the loss of the Brunner Island-West Shore 230 kV Line and West Shore 230-69 kV T2 causes thermal overloads on the Hummelstown-Steelton 230 kV line from Summer 2010 until the second Brunner Island-West Shore 230 kV Line is installed in by May 2013 under RTEP baseline project b0717.
- SPS Action-
 - For these conditions:**
 - Power flow from Steelton to West Shore 230 kV bus \geq 450 MW and
 - Power flow out of West Shore 230 kV bus to Cumberland \geq 250 MW and
 - Brunner Island 230 kV CB at West Shore is open
 - 60 second time delay
 - Load Shed will occur at:**
 - West Shore- Trip Harrisburg 1 & 2 and Cumberland 1 & 2 69 kV lines.
 - Cumberland- Trip West Carlisle 1 69 kV line.

