



**FRCC Biennial Transmission
Planning Process (BTPP)
for
EISPC Webinar**

November 03, 2016



Mission: To promote and assure the reliability of the bulk power system in peninsular Florida

FRCC Transmission Planning

RTPP

ATPP

BTPP

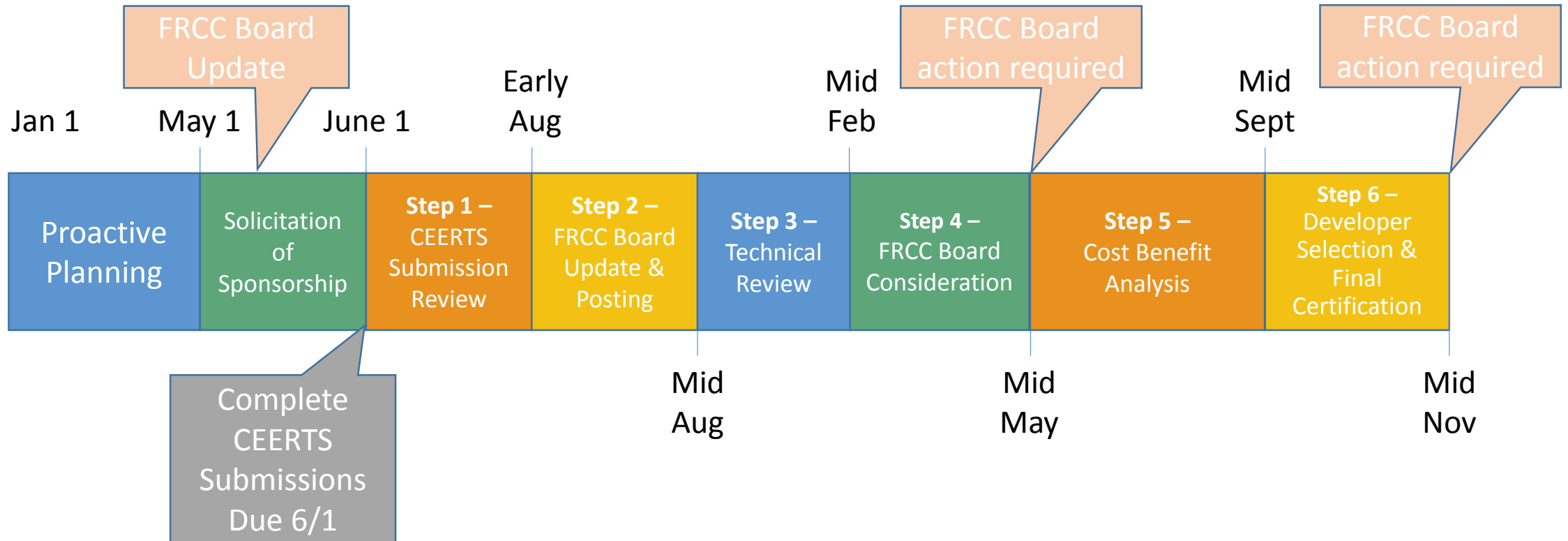
Annual Transmission Planning Process (ATPP)

- Studies to support regional reliability and NERC Reliability Standard Compliance
- Studies to support creation of the Regional Plan
- Takes place annually. Initiated around June each year. Completed by the end of each year.

Biennial Transmission Planning Process (BTPP)

- FRCC Order 1000 Process
- Layered on top of the ATPP
- Projects selected through BTPP for cost allocation are then modeled in the ATPP
- 2 year process, in odd numbered years

Biennial Transmission Planning Process



Cost Benefit Analysis

$$\frac{\text{Total Estimated Avoided Project Cost Benefit} + \text{Total Estimated Alternate Projects Cost Benefit} + \text{Total Estimated Transmission Line Loss Value Benefit}}{\text{Estimated CEERTS Project Cost}} > 1.00 ?$$

Eligibility for Cost Allocation under BTPP

- 230 kV or higher and 15 mi or longer **OR**
- Flexible AC Transmission System device **AND**
- Materially different than projects already in the FRCC Board Approved Regional Plan

Questions ?

