

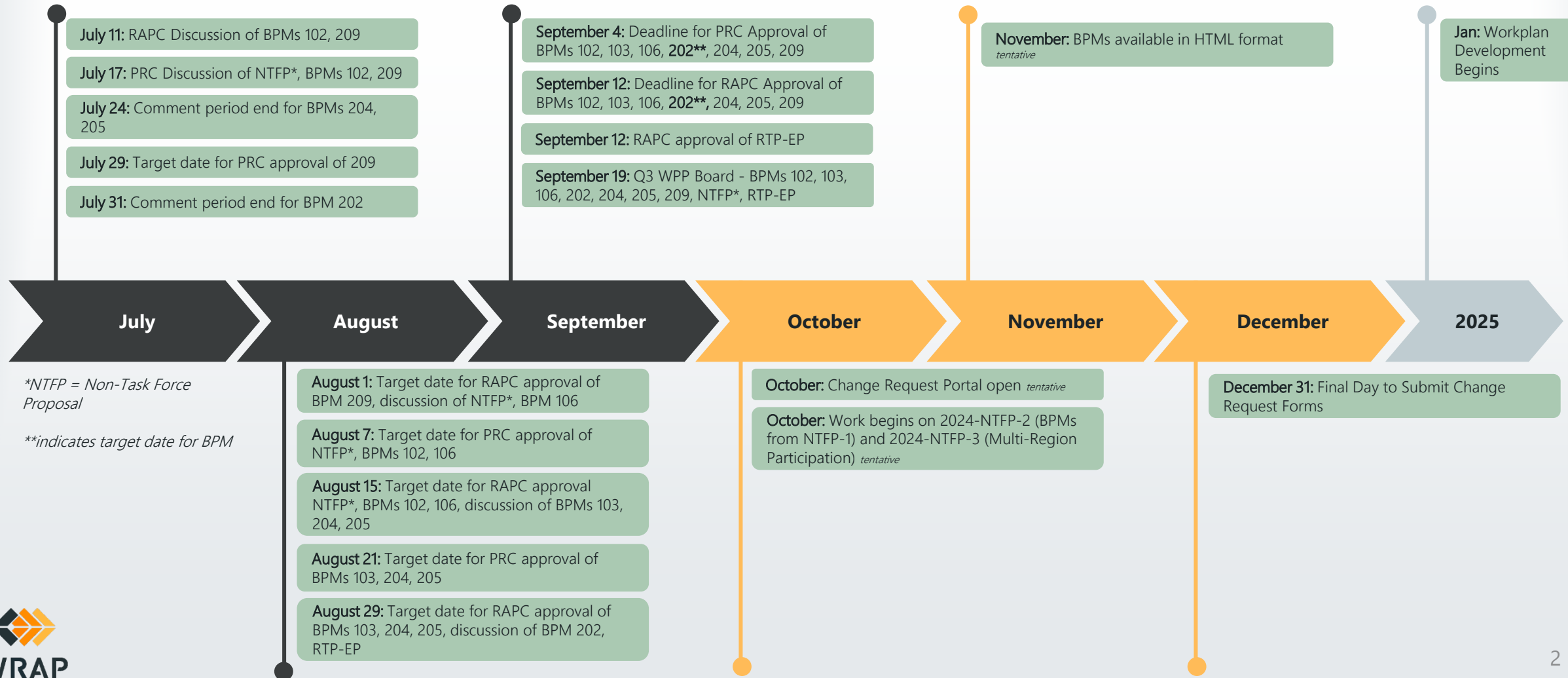


WESTERN RESOURCE ADEQUACY PROGRAM

July 11, 2024

WRAP Timeline of Events

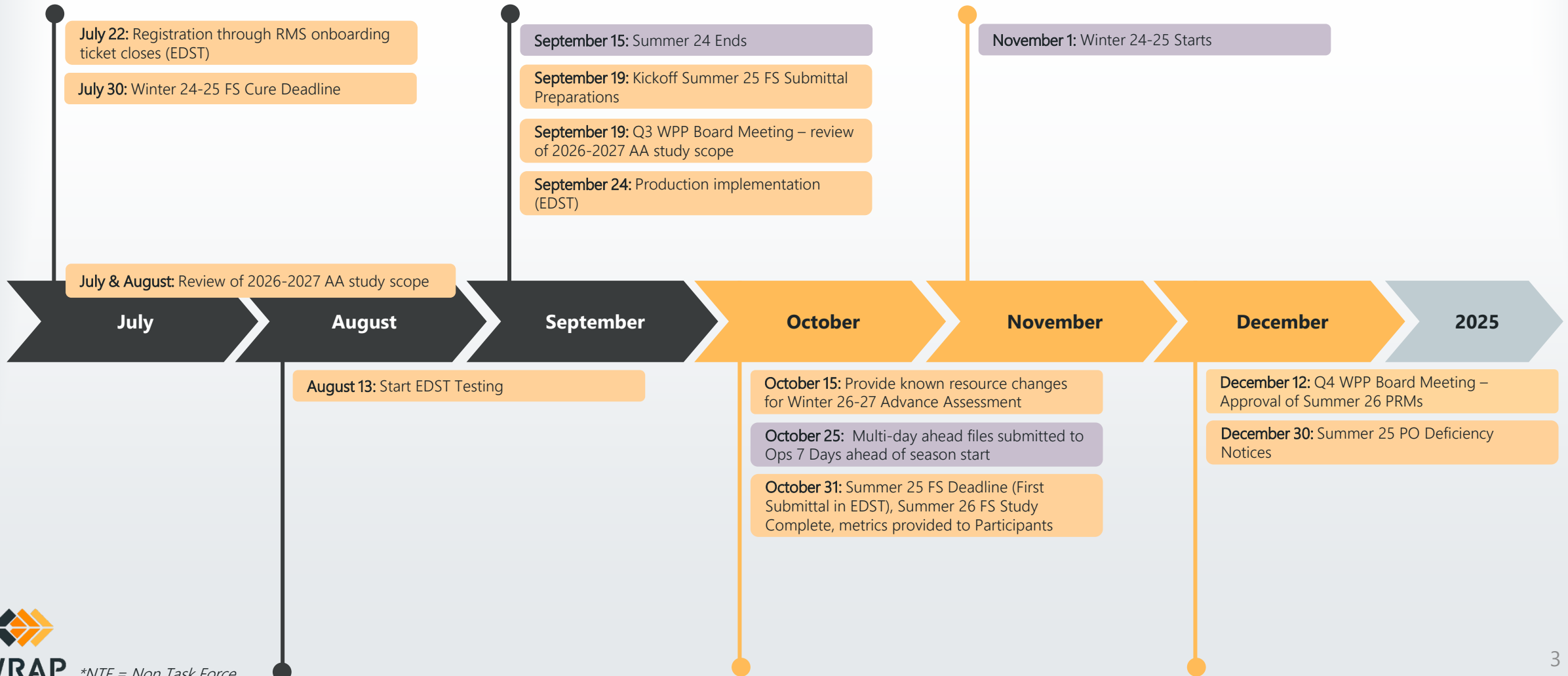
BPM & STAKEHOLDER ENGAGEMENT TIMELINE



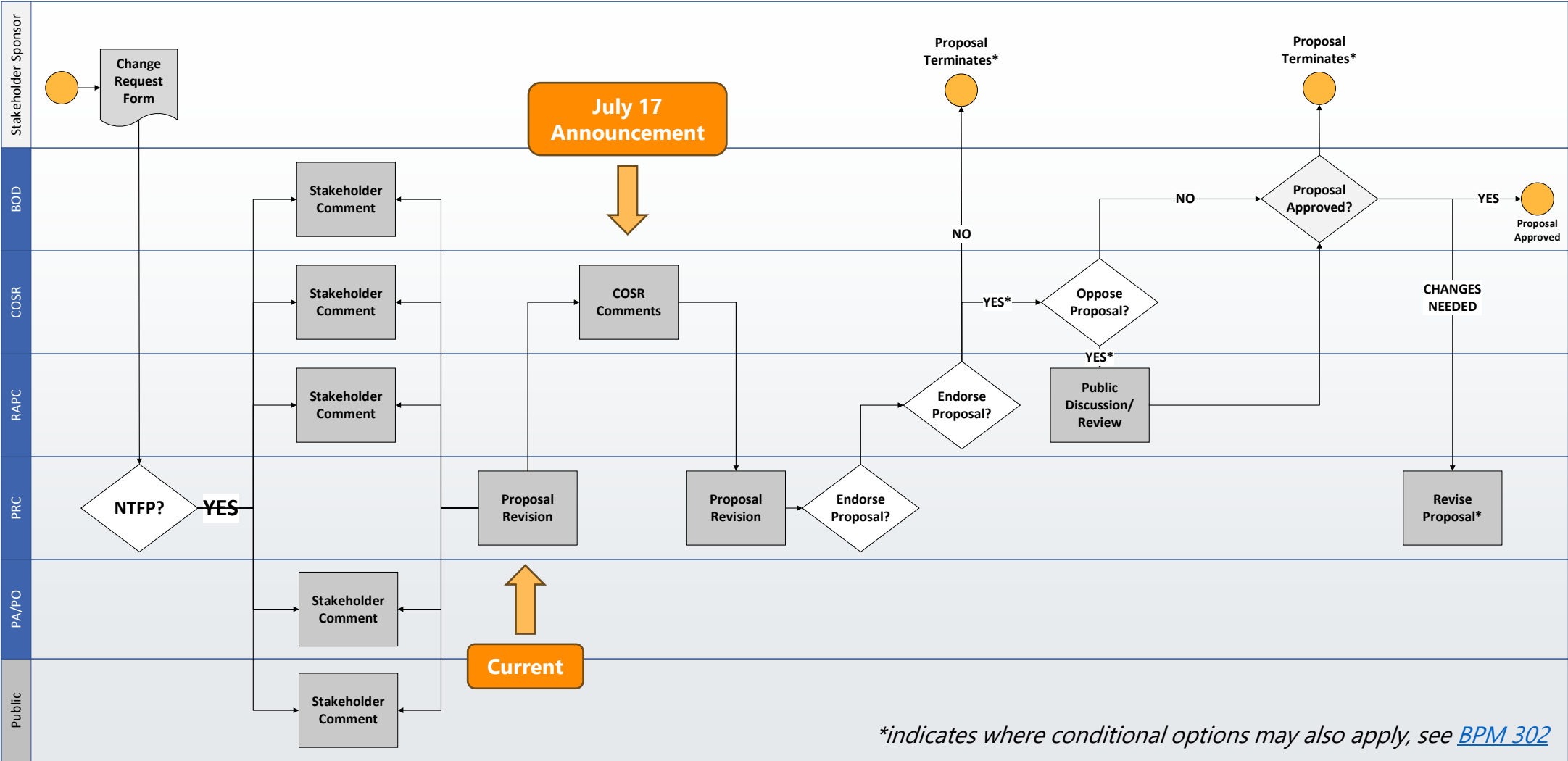
*NTFP = Non-Task Force Proposal

**indicates target date for BPM

OPERATIONS & FS TIMELINE



NTPF - PROCESS



*indicates where conditional options may also apply, see [BPM 302](#)

BPM 102 SUMMARY

FORWARD SHOWING – RELIABILITY METRIC SETTING

- » How the PO runs the Loss of Load Expectation (LOLE) study, including description of scope
 - Analyzes the ability of generation to reliability serve the WRAP region
- » Use of Load Resource Zones (LRZs) to distinguish weather when modeling resources
- » How Qualifying Resources will be modeled
- » How the PO sets the Monthly FS Planning Reserve Margins (FSPRMs)
 - LOLE for the applicable year does not exceed one event-day in 10 years for summer and winter seasons
 - Determined with probabilistic methods by altering capacity and forecast demand

REQUIRED TARIFF CHANGE *(NTF Proposal)*

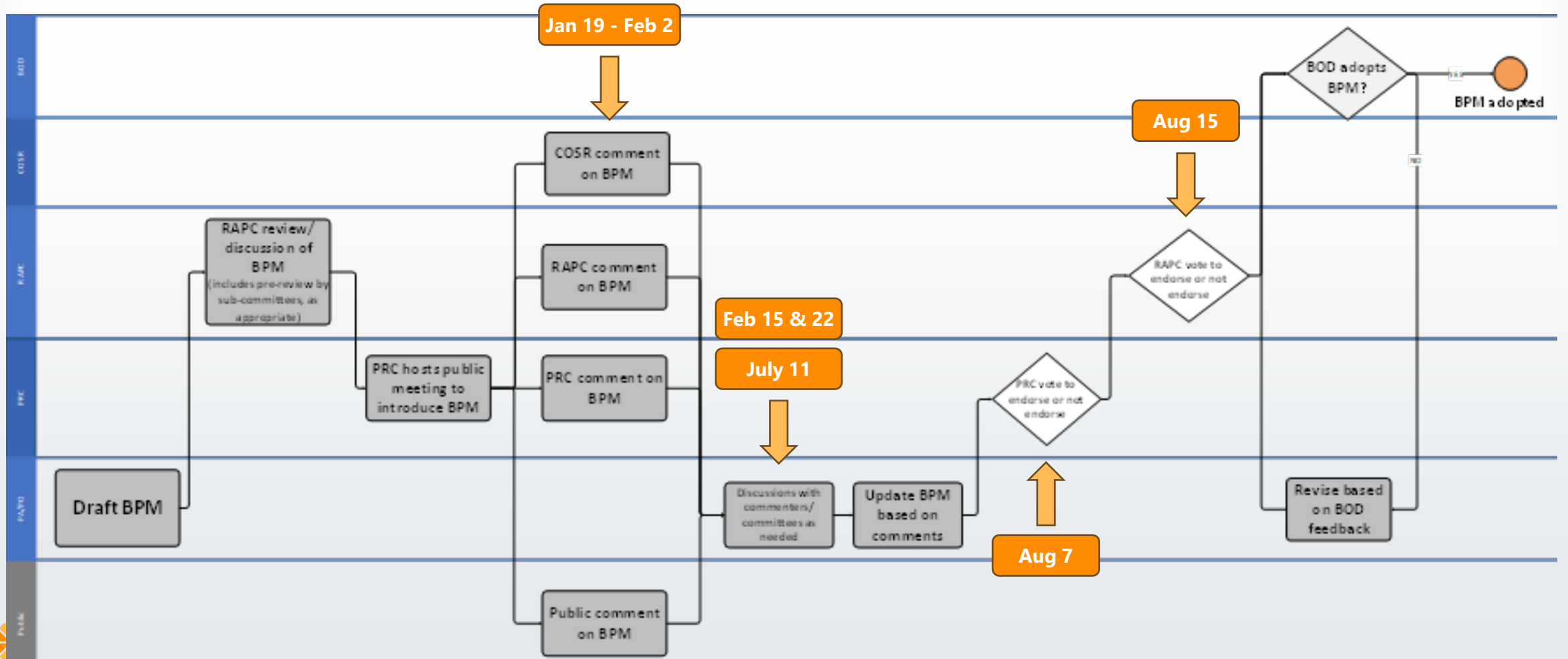
- » **Tariff sections 16.1.2.1 and 16.1.2.3:**
 - **Change “0.1 annual LOLE” to “0.1 seasonal LOLE”**

OTHER MAJOR CHANGES

- » **Clarified Regional P50 Peak Load Forecast (BPM 102, LOLE) as distinct from Participant P50 Peak Load Forecast (BPM 103, FSPRMs)**

BPM 102 TIMELINE

FORWARD SHOWING – RELIABILITY METRIC SETTING



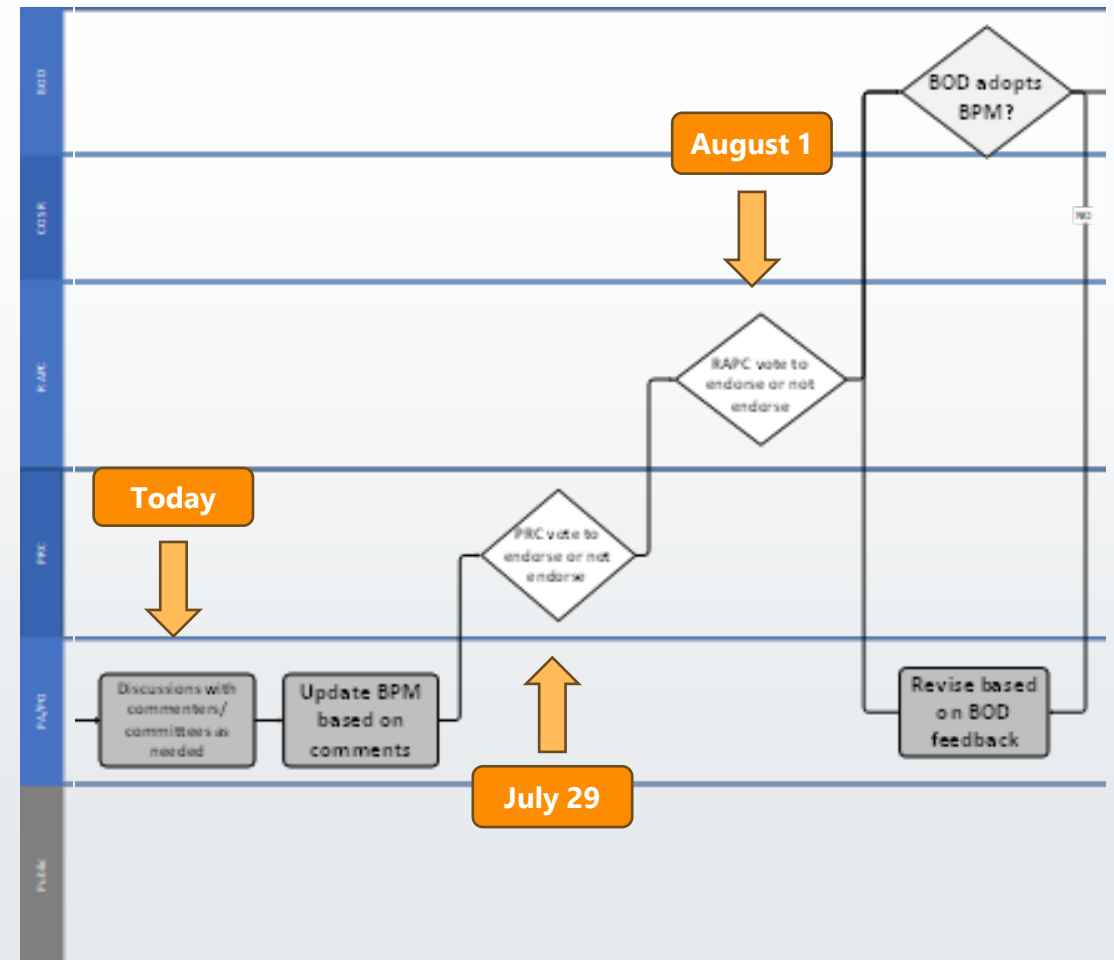
BPM 209 SUMMARY

OPERATIONS PROGRAM – ENERGY DELIVERY FAILURE CHARGES

- » Returning from June 13 Board of Directors meeting
- » Tasked with providing attestation language, and specify that attestation be made by an official appropriately removed from the direct financial impacts of Energy Delivery Failure Charges

Senior Executive Official:

"Senior executive or other official with company-wide authority to bind the company legally and financially."



NON-TASK FORCE PROPOSAL (NTFP)

BPM	Topic	Changes/Corrections Required*
102	Reliability Metrics	Tariff sections 16.1.2.1 and 16.1.2.3: Language requires adjustment to change "0.1 <i>annual</i> LOLE" to "0.1 <i>seasonal</i> LOLE"
103	FS Capacity Requirement	Tariff changes to properly reflect adjustments to FS Capacity Requirement
106	Qualifying Contracts	Tariff Definitions section: Change System Sales definition Tariff section 16.2.7: Ensure RA Transfers are described as impacting QCC, not adjusting FS Capacity Requirement
202	Sharing Calculations	Tariff section 20.1.1: Correct description Contingency Reserves calculations in the Operations Program and sharing calculation
204	Holdback Requirement	Tariff section 20.1.3: Change to only discuss priorities during insufficiencies in terms of Holdback Tariff section 20.8.1: Change raise hand association with Transition Period priority tiers
205	Energy Deployment	Tariff section 20.1.3: Change to only discuss priorities during insufficiencies in terms of Holdback Tariff section 20.8.1: Change raise hand association with Transition Period priority tiers

* See Change Request Form (NTF) and associated Tariff redlines for details

BPM 102 COMMENTS & EDITS

FORWARD SHOWING – FS RELIABILITY METRICS

- » “Load Data” is “Historical Load Data” as with BPM 101
- » Reliability metric is “no more than” a single event-day loss of load in ten years “across a Binding Season”
- » Neither RAPC nor Board approves the LOLE Study Scope
- » LRZ enable consideration of weather variability across Subregions
- » Load and generation “uncertainty” instead referred to as “variation”
- » Example weather stations removed
- » Capability Test submitted as part of FS Submittal (BPM 108)
- » BTM aggregation requirements found in BPM 105

BPM 102

SUMMARY OF COMMENTS NOT INCORPORATED

Comment Summary or Theme	WRAP Response
Clarify how Board and RAPC comments considered in the LOLE Study scoping process and define “timely opportunity” to review LOLE Study Scope	Process is intended to be flexible
Allow new Participants to select their own Subregion which WPP can then approve/reject	Leaving it to the discretion of WPP (plan to discuss with new Participant)
More information on how the weather and load 40-year synthesized profiles are performed	SPP taken as action item to explain outside of BPM
Historical Load Data adjustment for DR and BTM	Will be in BPM 103
Thermal EFORd and EFOFcch methodologies should be consistent	In the initial stage of the LOLE study, thermal forced outages modeled with EFORd. To determine the FSPRMs, this is replaced by the thermal UCAP which is the QCC calculated using EFOFcch.