



# Western Resource Adequacy Program

## RAPC Meeting

July 11<sup>th</sup>, 2024; 10am-12pm PPT

| Participant  | Name               | Participant   | Name                         |
|--------------|--------------------|---------------|------------------------------|
| APS          | Kent Walter        | PacifiCorp    | Ben Faulkinberry             |
| Avista       | Kevin Holland      | PGE           | Tiffany Emerson              |
| BPA          | Suzanne Cooper     | Powerex       | Dan O’Hearn                  |
| Calpine      | Bill Goddard       | PSE           | Phillip Haines               |
| Chelan       | Mike Bradshaw      | PNM           | Steve Maestas                |
| Clatskanie   |                    | SRP           | Agnes Lut                    |
| EWEB         | Megan Capper       | SCL           | Siobhan Doherty, Mara Kontos |
| Grant        | Lisa Stites        | Shell         | Ian White                    |
| Idaho        | Ben Brandt         | Snohomish PUD | Joe Fina                     |
| NorthWestern | Joe Stimatz        | Tacoma        | Ray Johnson                  |
| NV Energy    | Lindsey Schlekeway | TEA           | Ed Mount                     |

### Objectives

1. Provide the RAPC with updates on project progress
2. Seek RAPC input on progress and any administrative actions

### Meeting Agenda

|                  |   |
|------------------|---|
| Call to Order    |   |
| 10:00            | <ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Anti-trust Statement</li> <li>3. Approve Agenda<br/><i>Calpine moves and NWE seconds to approve the agenda. The agenda is approved unanimously at 10:08 AM.</i></li> <li>4. Approve Minutes from last meeting<br/><i>Tacoma moves and PGE seconds to approve the minutes. Minutes are approved unanimously at 10:08 AM.</i></li> </ol> |
| PA/PO Report     |   |
| 10:08            | <ol style="list-style-type: none"> <li>5. PA/PO Update<br/><i>Working on new budget and invoicing processes coming in July. Cure period ends in July – 2-3 received. The earlier cures are submitted, the earlier clerical errors can be resolved.</i></li> </ol>   |
| Ongoing Business |   |
| 10:13            | <ol style="list-style-type: none"> <li>6. Workgroup Updates<br/>– Forward Showing Workgroup – <i>Beau B.</i></li> </ol>   |



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|  |  |
|--|--|
|  | <p><i>Seeking feedback on shared resource form, EDST registration needed from some Participants.</i></p> <ul style="list-style-type: none"><li>– Operations Workgroup – <i>Beau B.</i><br/><i>Seeing reduction in errors in data submittals. WG meetings reduced by an hour to 9:00 – 10:00. Uncertainty factor go-live this week. Will discuss details for Ops Client access in WG.</i></li><li>– Storage Hydro User group – <i>Dan O’Hearn.</i><br/><i>Recorded session on SHUG workbook – available on SharePoint. Cold weather event data request went out in late May and was due July 10 – missing some Participants.</i></li><li>– MBR Workgroup - <i>Mike W.</i></li></ul>   |
|  | <p>7. Business Practice Manual Updates Manual Updates<br/><i>WPP gives an overview of September BPM Items.</i></p> <ul style="list-style-type: none"><li>– Non-Task Force Proposal<br/><i>NTFP focused on corrections standing in the way of remaining BPMs. Comments closed on 7/9. WPP working on edits. Process governed by BPM 302. Will be making a recommendation to the PRC for how long the COSR gets to study the proposal – discussion on 7/17. Aiming for approval in early August,</i></li><li>– BPM Look-ahead –<br/><i>Overview of timeline for BPMs, Operations, and FS. Dates for remaining BPM discussion and approval dates are available in attached slides. EDST training coming up, requiring registration. Will be reviewing AA scope in the next month. EDST go-live in September for October FS submittal. In discussion, PGE inquires if vendors can come to EDST training. WPP to return to this item. PGE looking for further documentation ASAP to work with vendors on internal EDST documentation. WPP working with SPP on these items – as a starting point, EDST will be similar to FS workbook.</i><br/><i>BPM 102 – targeting PRC endorsement in early August, RAPC endorsement on August 15<sup>th</sup>. Revisit from prior discussions in February – summary in attached slides. In NTFP, Tariff sections 16.1.2.1 and 16.1.2.3 changed to 0.1 seasonal LOLE. Clarified Regional P50 Peak Load Forecast (as opposed to Participant P50 Peak Load Forecast in BPM 103).</i><br/><i>BPM 209 – Energy Delivery Failure Charges. Returned from Board on 6/13. Adding attestation language and definition of Senior Official for attestation. Targeting PRC endorsement at the end of the month, RAPC endorsement on August 1<sup>st</sup>. Proposed added language for senior official – “Senior executive or other official with company-wide authority to bind the company legally and financially”. In discussion, PGE points out many utilities have authority of delegation – if looking for a high-level individual, need to be more specific. WPP can clarify the order of magnitude of financial responsibility according to the charge. Shell – company-</i></li></ul> |



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|                                   |   |
|-----------------------------------|---|
|                                   | <i>wide is duplicative. BPA – language be changed from company to Participating Entity.</i>   |
| New Business                      |   |
| 10:20                             | 8. WRAP Program Implementation Plan<br><i>WPP presents WRAP Program Implementation Plan to answer inquiries from in-person meeting in June. In discussion, PGE points out items where more information is needed to hit milestones. Looking for high level Gantt chart with milestones for Participant due dates. Request from WPP to Participants to define what needs to be provided in Gantt chart. Tiffany Emerson, PGE, expresses desire to act as if fully binding in parallel Summer 26-27. WPP looking for mutual agreement between &amp; with Participants on what activities are necessary for shadow settlements &amp; implementation. Commitment from WPP to discuss further with Participants.</i> |
| External Affairs                  |   |
|                                   | [None]  |
| Good of the Order                 |   |
| 11:23                             | 9. Participant topics requests for next meeting<br><i>No topic requests from Participants.</i>  |
| Closed RAPC                       |   |
| 11:36                             | 10. Closed RAPC Session   |
| Upcoming                          |   |
| 11:58                             | 11. Next meeting: July 11 <sup>th</sup>   |
| Meeting is adjourned at 11:58 PM. |   |

Current Participants: APS, Avista; BPA; Calpine; Chelan; Clatskanie; EWEB; Grant; Idaho Power; NorthWestern; NV Energy; PacifiCorp; PGE; Powerex; PNM; PSE; SRP; SCL; Shell; Snohomish PUD; Tacoma Power, The Energy Authority

**WPP forums will not foster or allow communications or practices that violate antitrust laws. Please avoid discussion of topics that would result in anti-competitive behavior, including but not limited to: availability of or terms of services and sales, design of products, price setting, or any other activity that might unreasonably restrain competition.**

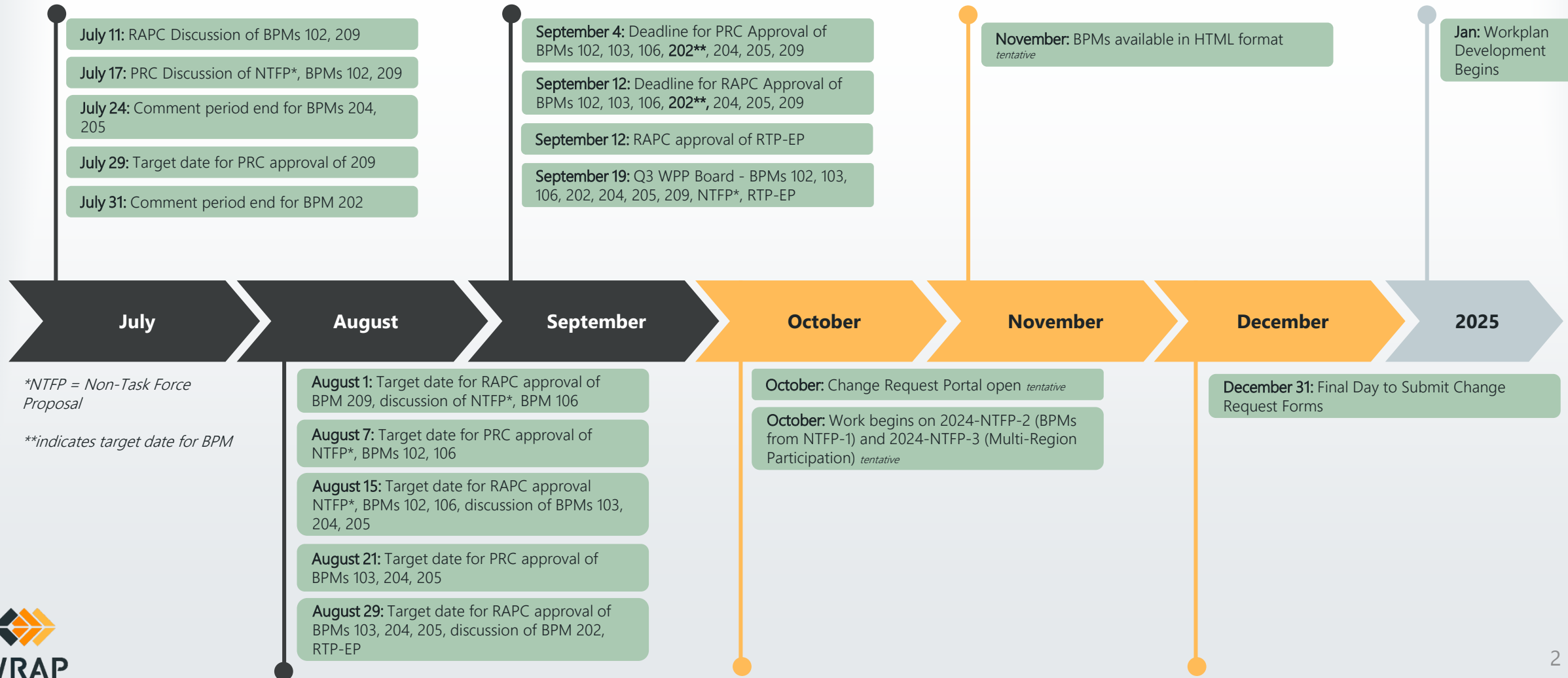


# **WESTERN RESOURCE ADEQUACY PROGRAM**

July 11, 2024

**WRAP Timeline of Events**

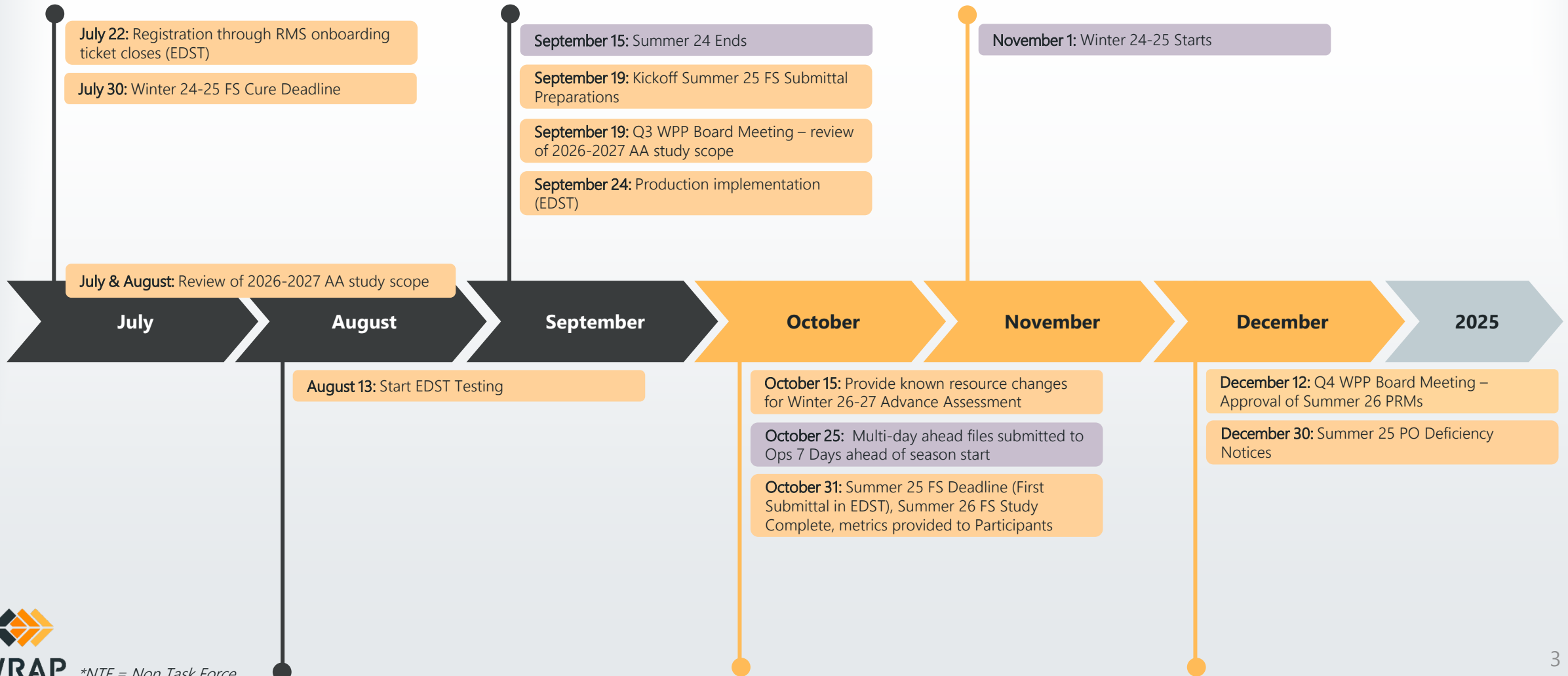
# BPM & STAKEHOLDER ENGAGEMENT TIMELINE



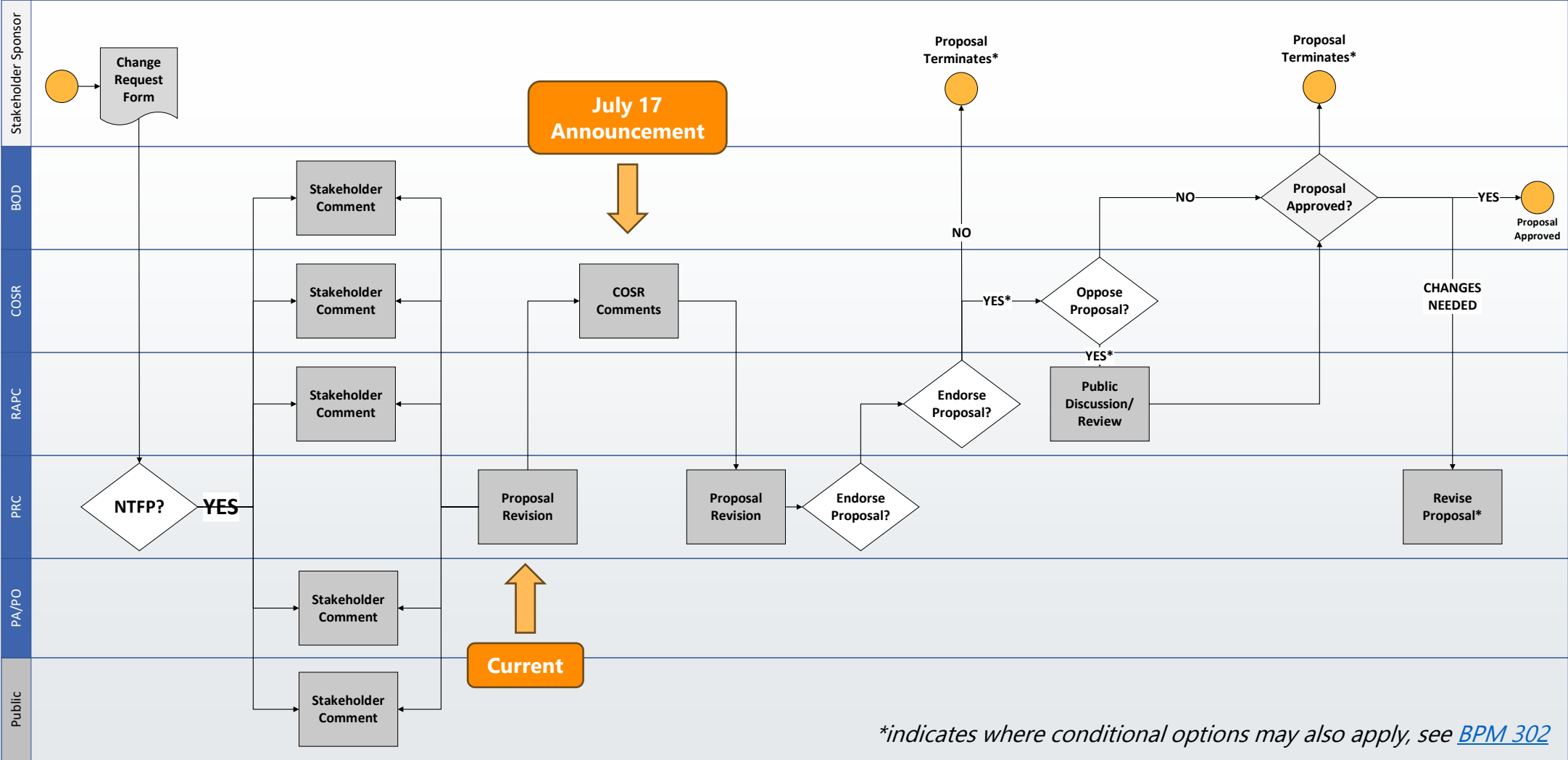
\*NTFP = Non-Task Force Proposal

\*\*indicates target date for BPM

# OPERATIONS & FS TIMELINE



# NTPFP - 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”**

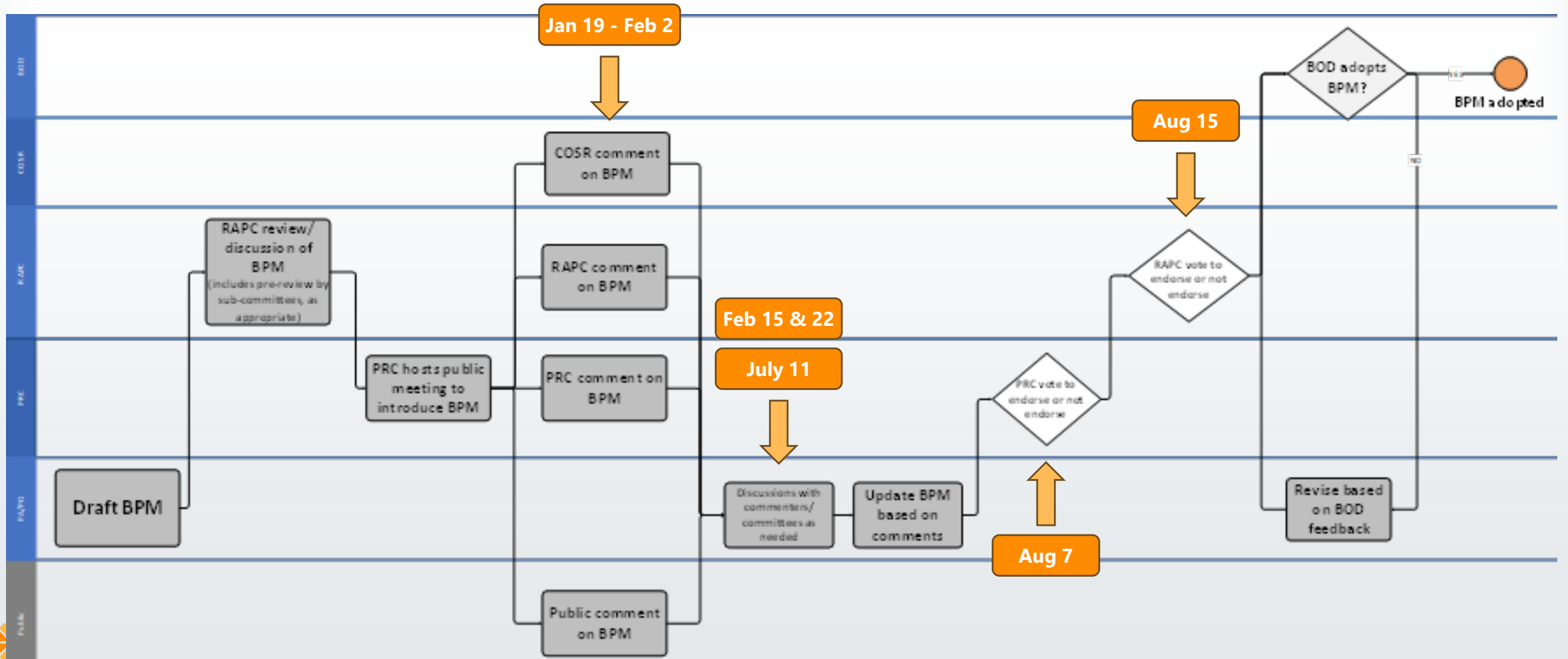
### **OTHER MAJOR CHANGES**

- » **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



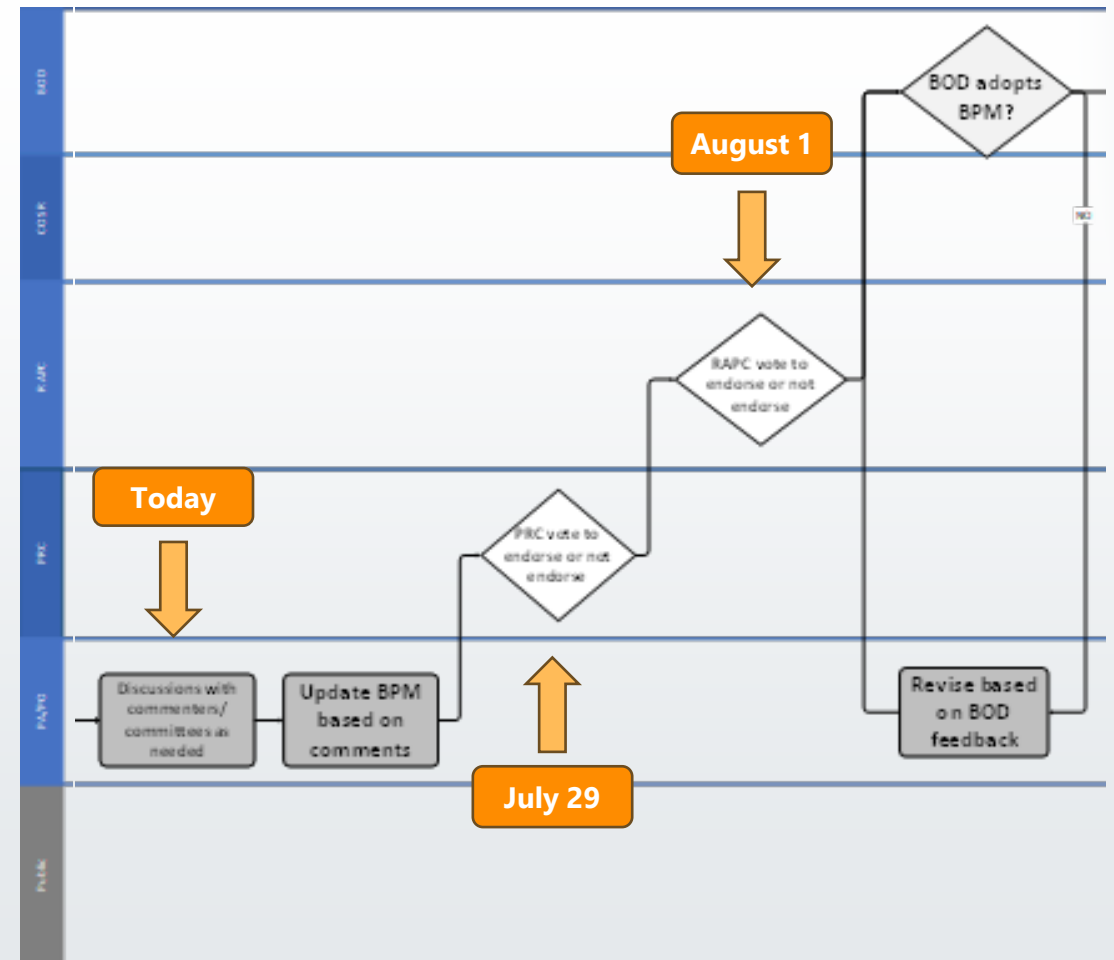
# BPM 209 SUMMARY

## 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    | <b>Tariff Definitions section:</b> Change System Sales definition<br><b>Tariff section 16.2.7:</b> Ensure RA Transfers are described as impacting QCC, not adjusting FS Capacity Requirement                     |
| 202 | Sharing Calculations    | <b>Tariff section 20.1.1:</b> Correct description Contingency Reserves calculations in the Operations Program and sharing calculation  |
| 204 | Holdback Requirement    | <b>Tariff section 20.1.3:</b> Change to only discuss priorities during insufficiencies in terms of Holdback<br><b>Tariff section 20.8.1:</b> Change raise hand association with Transition Period priority tiers |
| 205 | Energy Deployment       | <b>Tariff section 20.1.3:</b> Change to only discuss priorities during insufficiencies in terms of Holdback<br><b>Tariff section 20.8.1:</b> 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. |