

# Network Operating Committee

June 5, 2020



# Agenda

TIME	TOPIC	PRESENTER
10:00 - 10:05 AM	Welcome, Safety Moment, Phone Etiquette & Introductions	Suzanne Zoller
10:05 - 10:15 AM	NOA Update	Suzanne Zoller
10:15 - 10:45 AM	What's Changing with the NT Dialogue	Suzanne Zoller, Katie Sheckells, Don Hokanson, Chris Jones
10:45 - 11:30 AM	Network Integration Transmission Service, Queue Time, and Encumbrances	Abbey Nulph, Katie Sheckells, Don Hokanson
11:30 – 11:55 AM	Next Steps and Wrap up	Suzanne Zoller

# NOA Update

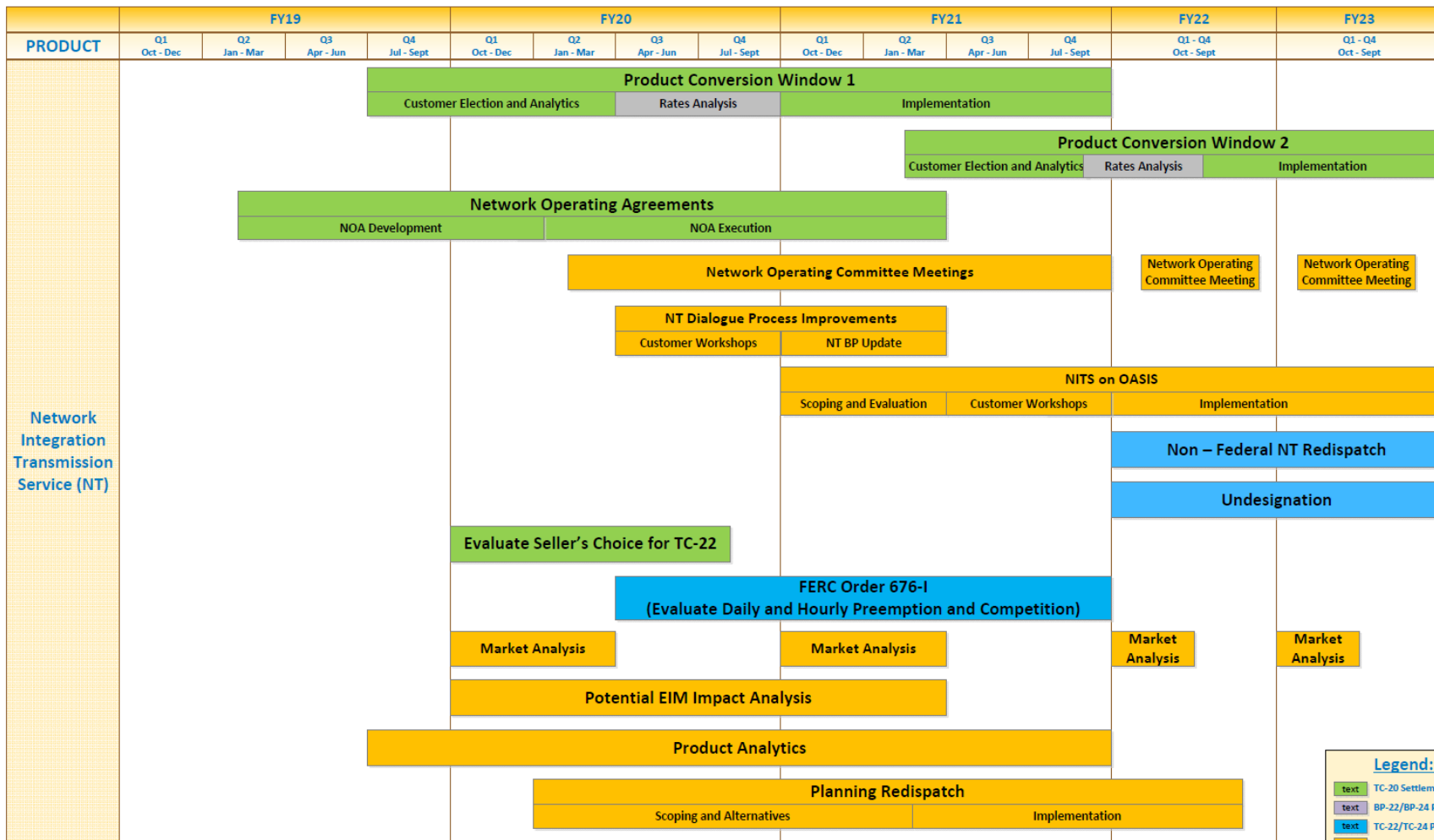
- [NOA template](#) has been posted
- First customer-specific NOA underway
- Rollout planned to begin in June

# Introduction

- Each year, BPA works with customers to gather load and resource forecasting information for a variety of uses.
- In the past, BPA has requested that customers review our forecast spreadsheets containing planning data and information in June.
  - This informed how BPA reported data to maintain compliance with the NERC Reliability Standards and the Open Access Transmission Tariff (OATT)
- This year, we are adjusting our processes in response to NT customer requests to simplify and streamline forecasting data requests.
- As a result, we are integrating the 2020 NT Dialogue with the annual Load and Resource Forecasting process managed by BPA's Load Forecasting and Analysis (KSL) organization.
- Today's presentation will provide you more information about this change, how it impacts you, and how it fits into the NT Roadmap.

# NT Roadmap

BUILDING TRANSMISSION EXCELLENCE



**Legend:**

- TC-20 Settlement
- BP-22/BP-24 Proposed
- TC-22/TC-24 Proposed
- Other

# At a Glance

## What's new?

- NT Dialogue will be integrated with annual Load and Resource Forecasting
- Forecasting will begin in the fall and complete in January

## What's stopping?

- 2020 NT Dialogue will not feed the 2021 TSEP planning cycle

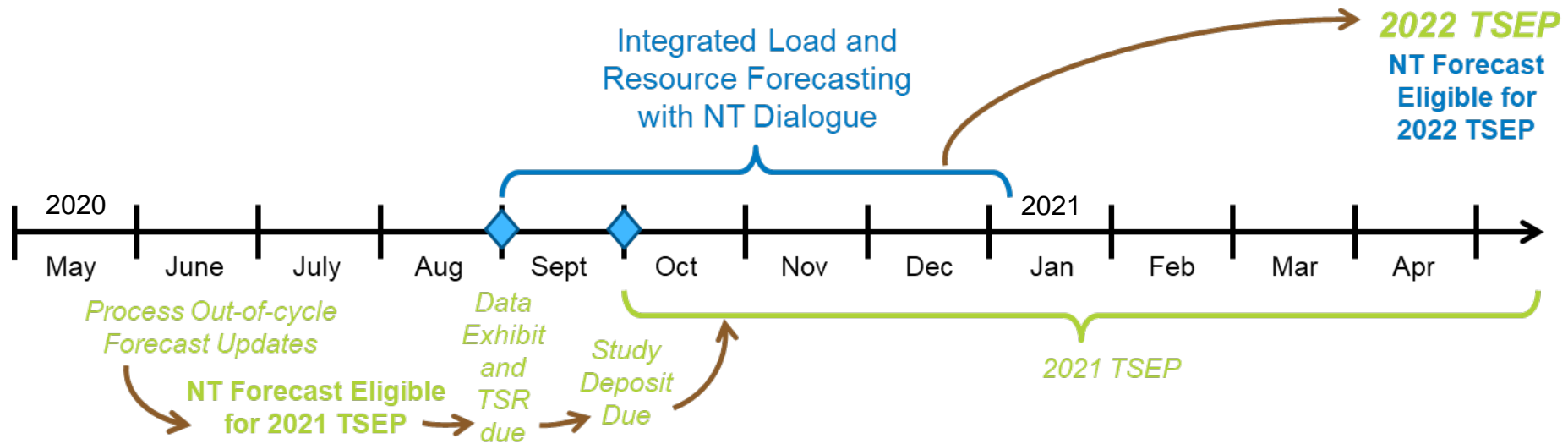
## What's staying the same?

- Annual forecasting of loads and resources
- Dialogue and consultation on alternatives
- Evaluation of forecasts
- Forecast encumbrances
- Service options

## What's changing?

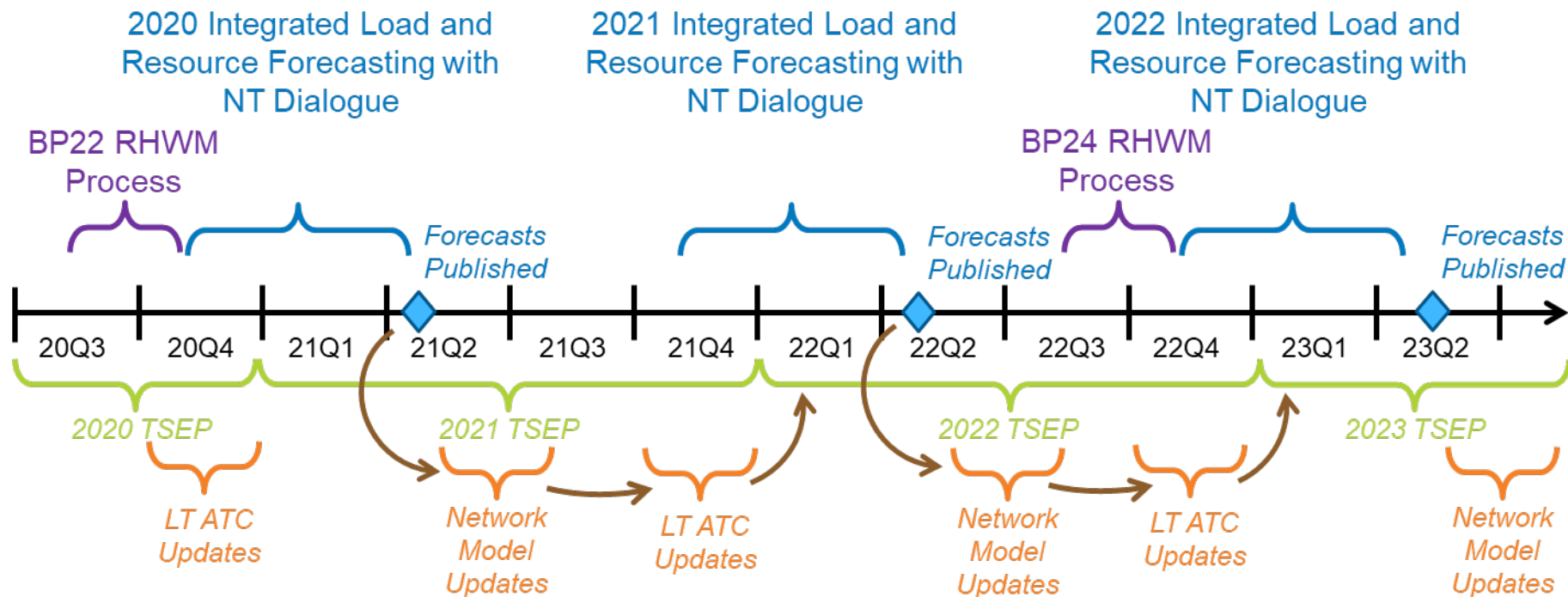
- LaRC data requests move to late summer
- Increased emphasis on out-of-cycle forecast updates for changes
- Enhanced collaboration between KSL forecasters and Transmission planners

# 2020 NT Dialogue Timeline



- The 2019 NT Dialogue was fed into the 2020 TSEP
- The 2019 Agency Load Forecast and 2020 off-cycle updates will be fed into the 2021 TSEP
- The fall 2020 integrated Load and Resource Forecasting with NT Dialogue will feed into the 2022 TSEP

# Timeline for Cyclical Planning Processes



**RHWM:** Rate Period High Water Mark  
**LT ATC:** Long-term Available Transfer Capability  
**TSEP:** TSR Study and Expansion Process  
**Forecasts Published:** Load and Regional Dialogue Resources

*Fiscal Year*



# Planning for Forecasts

- For previously accepted forecasts
  - Capacity has been encumbered for your needs
  - The last year of an encumbrance is assumed to rollover/continue
    - If a 10 year encumbrance was granted for FY20-29, the FY29 encumbrance is assumed for FY30 and beyond
- For new forecasts (assessed in queue order)
  - If there is sufficient capacity on the existing system, a study for potential upgrades is not relevant for the forecast
  - If there is insufficient capacity on the existing system, then customer has options:
    - Forecast alternate resource/revise forecast
    - Participate in a Study (Cluster or Individual)

# Should You Revise Your Forecast Now?

- If you anticipate any substantial changes to your most recent load and resource forecasts
  - What has changed since the 2019 NT Dialogue?
    - New load or load coming on faster
    - New resources or changes to your resource portfolio
- Why sooner is better
  - Queue time matters
  - BPA needs time to evaluate and make decisions regarding system capabilities
- Contact your AE to have BPA Transmission offer some insights to help you

# Draft Timeline\* for the 2021 Cluster Study

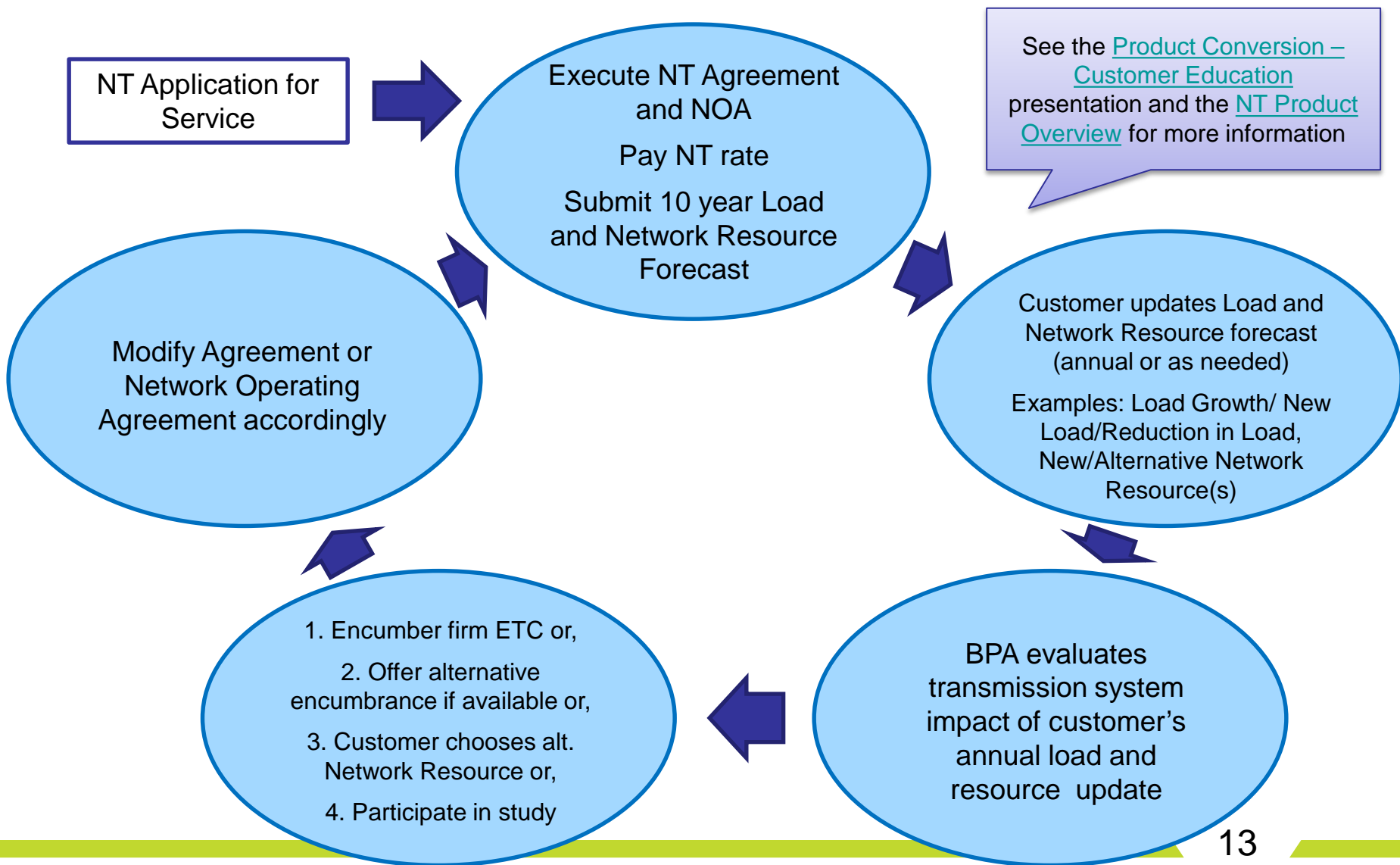
Activity/Milestone	Date
~August 31, 2020	TSRs and Data Exhibits due
~October 1, 2020	(Flowgate) Needs Assessment begins
~November 13, 2020	Cluster Study Agreements issued to customers (no later than)
Late November, 2020	Cluster Study Agreements returned to BPA
January 4, 2021	Cluster Study begins
May 4, 2021	Cluster Study is completed and closeout activities commence

*\* Listed dates are preliminary and subject to change*

# How to Revise Your Forecast

- Forecast revision notification requirement
  - Need to submit changes as a revised forecast as soon as possible
    - see [Should you Revise Your Forecast Now](#)
  - More than just 2020 – best practice moving forward
- Contact AE ASAP if you think you may need to revise your load or resource forecast
  - Send updated forecast to [KSLF@bpa.gov](mailto:KSLF@bpa.gov) and copy to your Account Executive (*this establishes queue time!*)
    - **Subject Line: NT Forecast Update - (fill in your utility name here)**
  - May use the FY19 LaRC workbook
- BPA will evaluate the revised forecast

# Cycle of NT Service



# Encumbrances and FTSRs

- What is a Forecasted Transmission Service Request (FTSR)?
  - Provides an assurance of transmission availability if the identified resource is subsequently designated (no additional ATC check is needed)
  - How BPA handles confirmed FTSRs
    - Holds out capacity depending on modeling in the base case
    - Always honored
    - Capacity from alternate resource may be netted

# Queue Time and Encumbrances

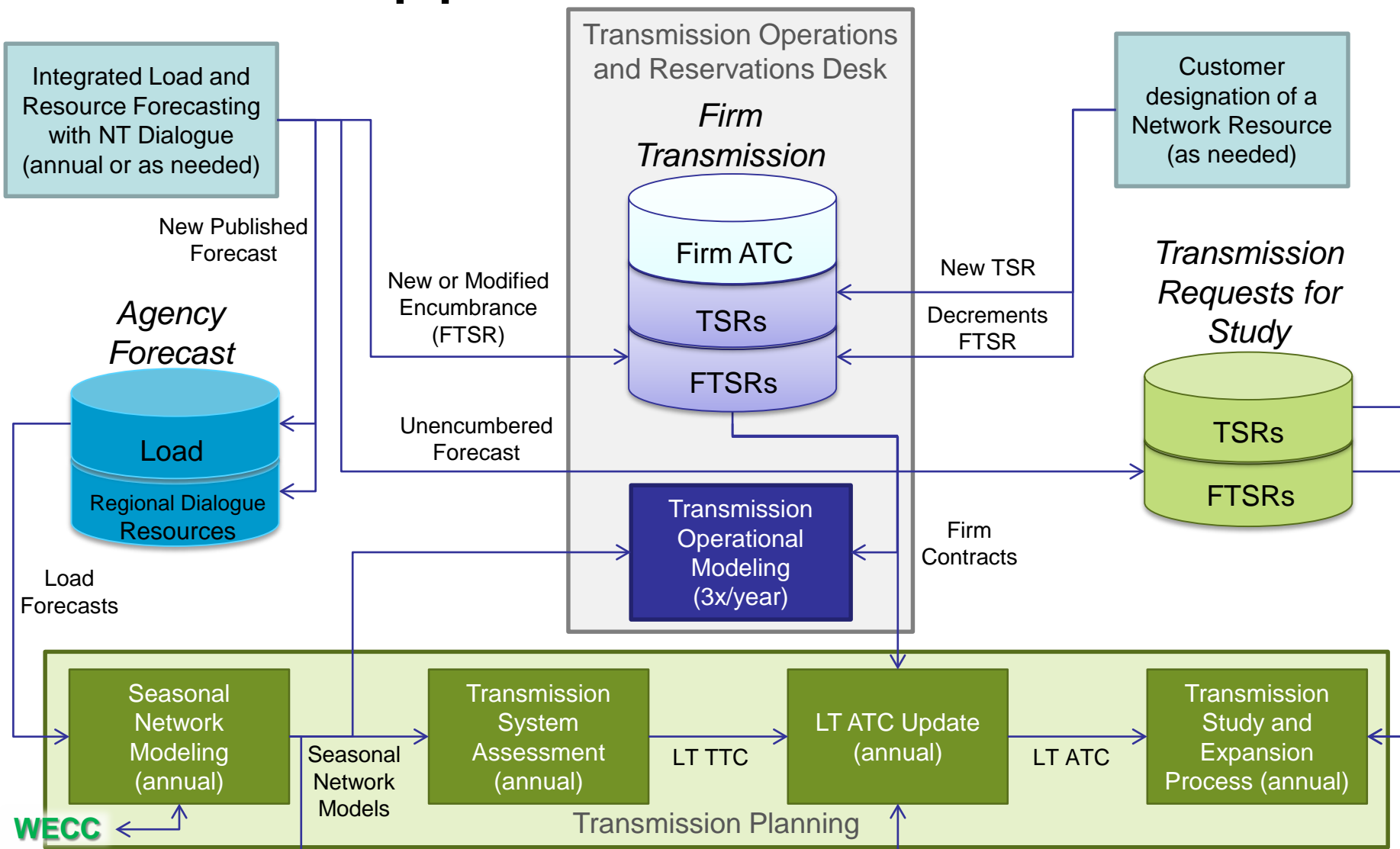
- How can I establish a queue time?
  - Submit a DNR or TSR on OASIS
  - Respond to the annual LaRC data request
  - Submit a revised load and/or resource forecast (see [How to Revise Your Forecast](#))

# Queue Time and Encumbrances

- What is Queue Time?
  - TIME\_QUEUED = Date and time that the request was queued (NAESB WEQ-003-0)
  - Timestamp that is assigned to NT customers' forecasts
  - Timestamp that is set by OASIS for all customers' TSRs
- Why does Queue Time Matter?
  - Queue time is used when evaluating all incremental TSRs and NT forecasts in order to determine whether capacity is available on the existing system
  - Queue time determines how transmission upgrades are assigned to TSRs and NT forecasts
  - All such determinations must be made by evaluating requests on a first-come, first-served basis regardless of whether the request is NT or PTP



# What Happens to an NT Forecast?



# Descriptions

- **Seasonal Network Modeling**
  - Produces Seasonal Network Models throughout the year based on existing and newly received data including historical resources and forecasted loads. Models are sent to WECC per the annual WECC base case compilation schedule. The model is continuously updated and provided as requested.
- **Transmission System Assessment**
  - The annual Transmission System Assessment is conducted to ensure the BPA transmission system can reliably serve forecasted load and expected firm transmission services over a 10-year planning horizon while adhering to NERC Reliability Standards, and WECC and BPA Reliability Criteria. Studies are conducted to determine transmission system deficiencies and reinforcements needed to correct those deficiencies.
- **LT ATC Update**
  - Annual update of available flowgate capacity inventory. Informs TSEP cluster studies, allows BPA to operate a sound model for managing long-term firm transmission sales and to evolve its inventory assumptions based on current agency thinking. When complete, this information is publicly shared and may influence development and siting of projects.
- **Transmission Service Request Study and Expansion Process (TSEP)**
  - BPA's process for conducting required studies (system impact and facilities) for incremental requests for service. Follows sections 19 and 32 of BPA's OATT and accomplishes BPA's obligation to study, identify, and ultimately complete transmission plans of service if customers elect to proceed.
- **Transmission Operational Modeling (0-13 months)**
  - Used to calculate the power-flow ETC component of the ST ATC calculation 3x per year using long-term firm contracts. Short-term TSRs and interim long-term sales are held out as power transfer distribution factor (PTDF) ETC calculations.

# Next Steps

- Next scheduled [NOC Meeting](#) – July 16, 9:00-11:00 AM.
- Please submit comments and feedback to [techforum@bpa.gov](mailto:techforum@bpa.gov) (with copy to your Account Executive) – *please note **NT** in the subject line.*

*Meetings and Shared Materials may be found on the [NT Home Page](#) under [Meetings](#)*