The image features a blue gradient background with a white geometric pattern of intersecting lines. The text is positioned on the left side of the image.

NorthernGrid

Annual Interregional Coordination Meeting

March 26, 2024

Chelsea Loomis, Western Power Pool

Annual Interregional Coordination Meeting

Attachment K Requirement



NorthernGrid

Annual Interregional Information Exchange



Study Scope

- Base Cases
- Assumptions
- Methodologies



Initial Reports



Regional Transmission Plan

[2022-23 Regional Transmission Plan.pdf \(northerngrid.net\)](#)

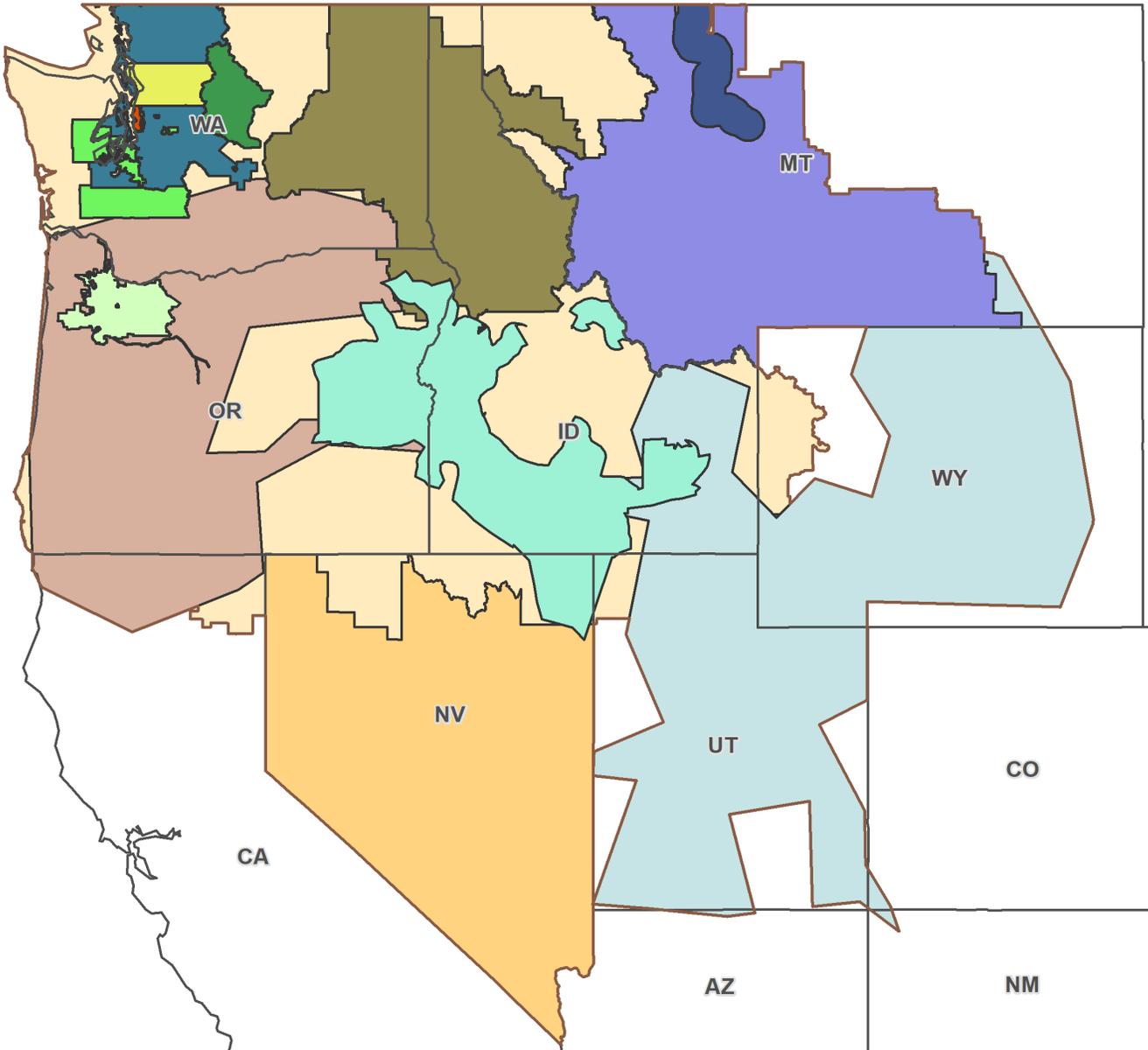
NorthernGrid

Planning Region and Cycle



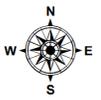
NorthernGrid

NorthernGrid Member Areas



NorthernGrid Member Area

- AVA
- BPA
- CHPD
- IPC
- MATL
- NVE
- NWMT
- PACE
- PACW
- PGE
- PSE
- SCL
- SNPD
- TPWR



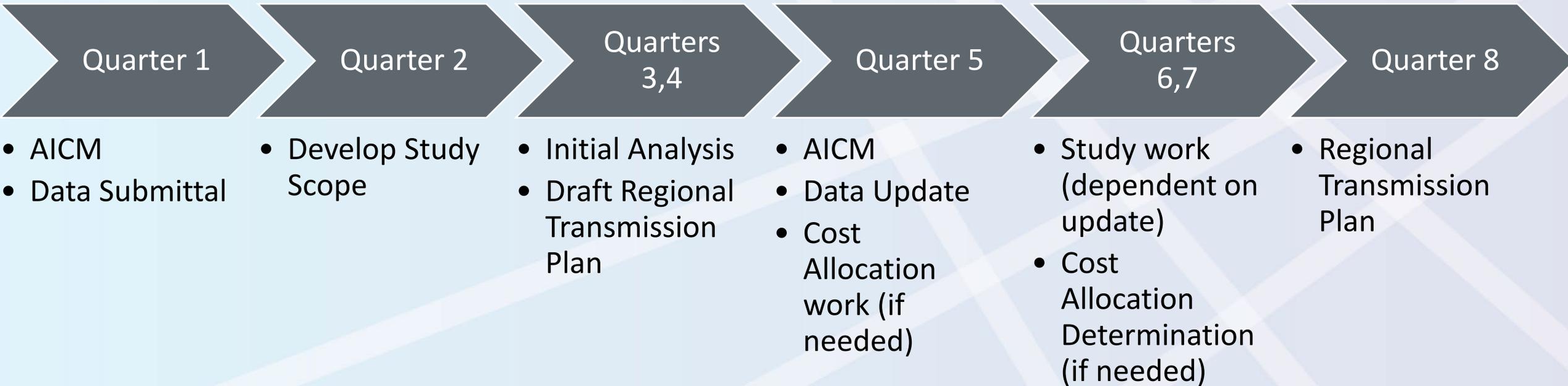
10/26/2022

Data Source: Homeland Infrastructure Foundation-Level Data, NorthernGrid



C:\GEOSPATIAL\Geoworkspaces\Transmission\NorthernGrid_CONFIDENTIAL_DATA\Maps\NorthernGrid_MemberBAAs.mxd

NorthernGrid Planning Cycle



NorthernGrid Informational Series

Intro

FERC Orders

Resource Planning vs Transmission Planning

Participants in the NorthernGrid Planning Process

Walk-Through of the Planning Cycle

What is the Regional Transmission Plan

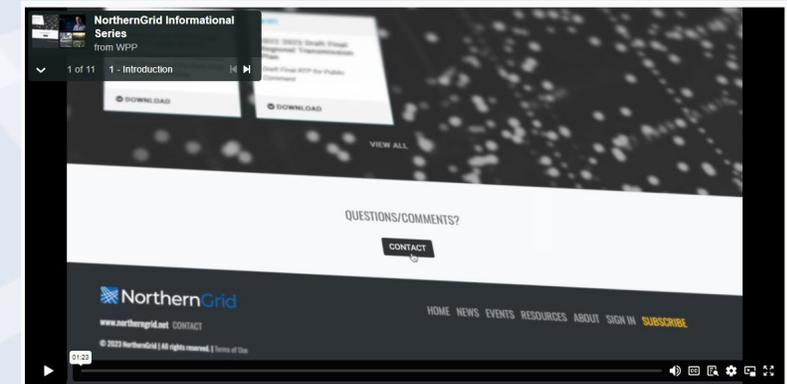
Technical Studies

Economic Studies

Cost Allocation

Cost Allocation Benefits & Payments

Role of the State



NorthernGrid AICM

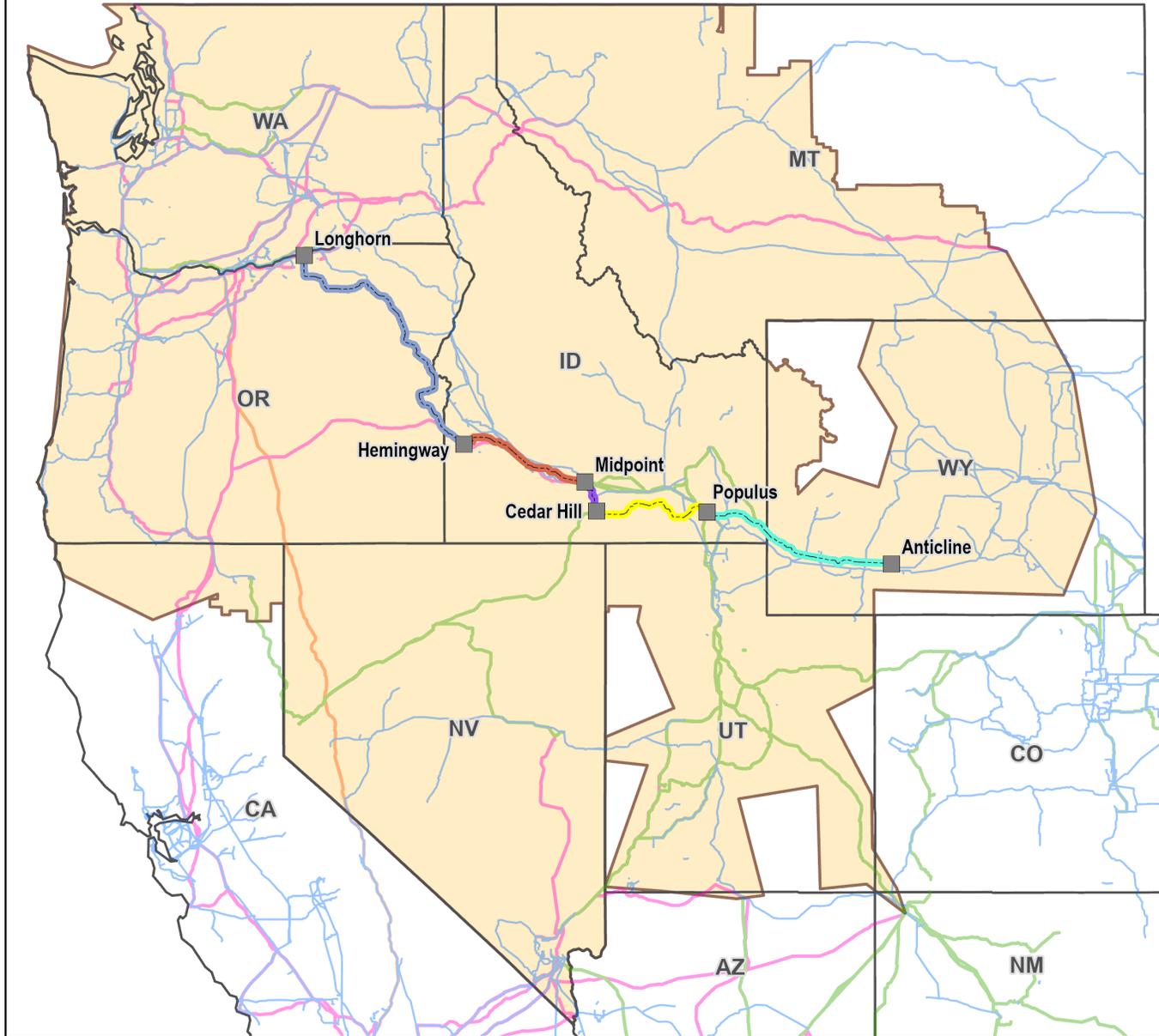
Annual Interregional Information



NorthernGrid

2022-2023 Regional Transmission Plan

Member-Driven



■ Substation

Regional Transmission Plan

- Boardman - Hemingway 500 kV AC *
- Cedar Hill - Populus
- Hemingway - Midpoint #2 500 kV AC
- Midpoint - Cedar Hill
- Populus - Anticline

Existing Transmission Lines (HIFLD)

- 230 - 287 kV
- 345 kV
- 500 kV
- 1000 kV (DC)
- NorthernGrid

* With 230 kV upgrades

Gateway South and Gateway West Segment D.1 are not depicted on this diagram as they are under construction.



7/20/2023

Data Source: Homeland Infrastructure Foundation-Level Data, NorthernGrid



NorthernGrid Possible Stress Conditions for 2024-2025

Heavy Loading,
Low Renewable
Generation

South to North on
COI/PDCI, West to
East

West of Cascades
North Westbound
with Heavy West
Coast Loading

North to South on
COI/PDCI, East to
West

Extreme Winter
with no Solar

Low Hydro/Mid-
Level Loading



Thank you!

Chelsea Loomis

Western Power Pool

Chelsea.Loomis@westernpowerpool.org

503.445.1082



RTPS | POWERED BY **WPP**

<https://www.Northerngrid.net>

NorthernGrid