

SPSC Review Matrix of the Foundational Transmission Projects

The Subregional Coordinating Group (SCG), consisting of Subregional Planning Groups (SPGs) across the Western Interconnection, has developed a “foundational transmission project list” for consideration by WECC’s Transmission Expansion Planning Policy Committee (TEPPC). WECC held a [webinar](#) on July 16 to present key findings in SCG’s [draft report](#) dated July 14, 2010.

The foundational transmission project list identifies a subset of projects that have a very high probability of being built over the next ten years. The purpose of the list is to identify minimal, reliability-based transmission additions that TEPPC can use to begin modeling the 2020 transmission system. TEPPC will review the foundational list and may add or subtract from the list. TEPPC will then model the Western Interconnection to identify areas of congestion as new generation resources are added to the system and evaluate other “potential projects” to address transmission congestion.

The SCG’s “foundational transmission project list” will be reviewed within the TEPPC process by the:

- Studies Work Group on July 28; and
- Technical Advisory Subcommittee on August 19.

SPSC members are asked to review and provide *initial* feedback to Tom Carr (WIEB), tcarr@westsgov.org by July 27 on the foundational transmission project list applicable to your state/province or Subregional Planning Group and *any additional* feedback before the August 19 Technical Advisory Subcommittee meeting. Tom will share your input with other SPSC members and with the Studies Work Group and Technical Advisory Subcommittee if you are not participating in those meetings.

State/Province	Subregional Planning Group (SPG)	Reviewed the foundational transmission projects	Endorse, object, or other comments to foundational list
Alberta	AESO		
Arizona	SWAT		
British Columbia	BCTC		
California	CAISO		
Colorado	CCPG		
Idaho	NTTG		
Montana	NTTG		
Nevada	Sierra		
New Mexico	SWAT		
Oregon	NTTG/ColumbiaGrid		
South Dakota	CCPG		
Texas	SWAT		
Utah	NTTG		

Washington	ColumbiaGrid/NTTG		
Wyoming	NTTG/CCPG		

FOUNDATIONAL PROJECTS BY 2020



DRAFT

CAISO

- CAISO02 Sunrise
- CAISO03 Bylthe-Devers
- CAISO04 Tehachapi Upgrade

SSPG

- SSPG02 SWIP South
- SSPG05 TCP Harry Allen - Northwest
- SSPG06 TCP Northwest – Amargosa

SWAT

- SWAT01 PV-NG#2
- SWAT06 Pinal Central – Tortolita
- SWAT07 Southeast Valley (SEV)
- SWAT08 PV - Morgan

CCPG

- CCPG02 Pawnee – Smoky Hill
- CCPG03 Waterton- Midway
- CCPG04 San Luis Valley

NTTG

- NTTG01 Gateway South Phase 1
- NTTG02 Gateway Central Phase 1
- NTTG03 Gateway West Phase 1
- NTTG05 Hemingway – Boardman
- NTTG06 Cascade Crossing

CG

- CG01 I-5 Corridor
- CG02 West McNary
- CG03 Big Eddy – Knight
- CG04 Little Goose Area Reinforcement

BCTC

- BCTC01 Nicola – Meridian
- BCTC03 BC-US Intertie

Alberta AESO

- AESO03 1202L Conversion
- AESO04 Heartland
- AESO05 West HVDC
- AESO06 East HVDC
- AESO07 Fort McMurray - East Line
- AESO08 Fort McMurray - West Line

Legend	
	500 kV Single Circuit Line
	345 kV Single Circuit Line
	500 kV Double Circuit Line
	345 kV Double Circuit Line
	DC Circuit (various voltage)
	Termination Substations
	Intermediate Substations

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- (1) Map does not reflect 230 or 240 kV lines that are included in the Foundational Transmission Project List.
- (2) Internal reinforcements projects not shown for clarity.
- (3) Lines shown are for illustrative purposes only and may not reflect final line routing.