Transmission Planning

Attachment K Public Input

Meeting Minutes

FERC 890 Q2

June 12, 2014

Attendees: Jamie Austin

 Lori Adams

 JD Podlesnik

 Larry Frick

 Brian Fritz

 Dennis Yegorov

 Patience Kerchinsky

 Peter Jones

Mark Adams

 Dave Hagen

Dan Yokota - BPA

 Gayle MacKenzie – Scribe

* Welcome attendees and guest- Jamie Austin
* Explain the planning process – Jamie Austin
	+ Finalized methodology/planning criteria/process used
		- Coordinate with other processes on reliability
			* TPL transmission planning studies
			* Five year area studies
			* Generator interconnection studies
	+ PacifiCorp to review with stakeholders the status of 5-year studies as they become available
	+ Stakeholders can submit study requests through OASIS process
		- No study requests submitted in Q1
		- Next time study request to be submitted is Q5
	+ Eight Quarter Process for PacifiCorp
		- Year 1 – 2014
			* Q1 Jan-Mar ~ Data collection for economic studies
			* Q2 Apr-Jun ~ Reference case development
			* Q3 Jul-Sep ~ Economic studies to identify congestion
			* Q4 Oct-Dec ~ Draft reporting
		- Year 2 – 2015
			* Q5 Jan – Mar ~ Draft report on system adequacy
				+ Data collection for re-study
			* Q6 Apr – Jun ~ Draft re-study report review
			* Q7 Jul – Sep ~ Final report and review
			* Q8 Oct – Dec ~ Final transmission plan approval
* Generator Interconnection Requests – Brian Fritz
	+ Generator interconnection requests
		- Nearly 600 applications in 2004
		- 106 actual projects completed
	+ Generator interconnection requests by size and year
	+ Interconnect requests by type and year
		- 2003 – 100% wind; no solar
		- 2013 & 2014 – 80% solar requests; 5% wind
			* The majority in Southern Utah follow FERC process
* Local Area Studies Update – PACW – Larry Frick
	+ Yreka
		- 85% complete
			* Progress delayed by compliance-related activities
	+ Crescent City & Grants Pass
		- 65% complete
			* Study progressing
	+ 41 months average study length - PACW
		- Normal is 36 months
* Local Area Studies Update – PacifiCorp East – Mark Adams
	+ Studies
		- Ogden – Q2 2014 complete
		- Utah (Southwest) – Q2 2014 complete
		- Goshen – Q3 2014 – complete
		- Nebo – Q2 2014 complete
		- Utah Valley – Q3 2014 complete
	+ Also scheduled in 2014
		- Honeyville/Malad
		- Powder River
		- Pavant
		- Smithfield
		- Montpelier
	+ 48 months average study length
		- Goal is 36 months
			* 4 years ago the normal was 24 months
				+ Caused by decrease in planning engineers
* Yreka Area Study – Dennis Yegorov
	+ Study area covers
		- Yreka
		- Shasta Valley
			* Montague
			* Rural areas
		- Lower Klamath River
			* Hornbrook
			* Happy Camp
		- Scott Valley
			* Fort Jones
			* Etna
		- Weed
	+ Southern Part of the study area
		- Mount Shasta
		- Sacramento Canyon
			* McCloud
			* Dunsmuir
			* Rural areas south
	+ Yreka has 8 ties to other systems
		- Medford (2)
		- Klamath Falls (3)
		- Cave Junction (1)
		- Pacific Gas & Electric’s system in Cottonwood area (2)
	+ Study area is served by 35 substation
		- 9 transmission substations/switching stations
		- 26 distribution substations
	+ Local generation within study area
		- Six hydroelectric plants
		- Customer-owned steam turbine generator in Weed
	+ Base System Loads (coincidental)
		- Summer 2014 – 94 MW
			* Growth rate 0.4%
		- Winter 2014-2015 – 110 MW
			* Growth rate 0.4%
	+ Projected system loads (coincidental)
		- Summer 2018 96 MW
		- Winter 2019-2019 113 MW
	+ Distribution Substation Capacity
		- Summer 162.8 MVA
		- Winter 204.0 MVA
	+ Distribution Substation Utilization Factor
		- Summer 2014 62.5%
		- Winter 2014-2015 56.0%
	+ Transmission System Losses
		- 6-7% of area load during peak load periods
	+ 6 Planned System Improvements
		- Four near-term planning horizon (years 1 through 5)
			* Weed 115-69kV LTC transformer
				+ In service winter 2015 - 2016
			* Yreka 115-69kV LTC transformer
				+ In service 2016
			* 2nd Yreka – Greenhorn 69kV line
				+ In service 2017
			* Lassen distribution substation
				+ In service 2017 (depending on load growth)
		- Two long-range planning horizon (beyond 5 years)
			* 69kV line 2 conversion to 115kV
				+ Phase 1 – Weed Junction – Lassen Segment

Project timing depends on future load development in Mount Shasta area

* + - * + Phase 2 – Copco – Weed Junction segment

Timing driven by future load development in Yreka, Weed and Mount Shasta area

* Contact information – Link to PacifiCorp OASIS
	+ <http://www.oasis.oati.com/ppw/index.html>
* For Attachment K related comments/questions, address your requests to
	+ TransmissionPlanningProposal@PacifiCorp.com
* Next meeting late September 2014
* Meeting adjourned