



Platte River Power Authority

PRPA ATC Path Document

Version: 13

Posted: October 31, 2017

Ref: PRPA Available Transmission Capacity Implementation Document (ATCID)

(All Values in MW)

Table 1:

ATC Firm¹

2017-2018 Winter

(November 1, 2017 – May 31, 2018)

ETCs = use of the path under System Intact conditions for native load, network load, firm contracts, and reserve sharing (refer to sections 3.3.2.1. and 3.3.2.2 of PRPA's ATCID).

TOT 5 West to East		
System Intact TTC =	190	TOT 5 Allocation
ETC 1 =	154	PRPA 77 +77 units at Craig on Craig-Ault to Native Load
ETC 2 =	30-35	Network load customer usage
ATC = TTC – ETC (≥0)		
PRPA TOT5 W-E ATC = 1-6		

¹ All ATC values are subject to change based on current Transmission Requests and System Conditions; contact the PRPA OASIS Administrator for more information on current system conditions.

TOT 5 East to West	
System Intact TTC =	151
ETC =	0
ATC = TTC – ETC (≥0)	
PRPA TOT5 E-W ATC = 151	

TOT 7 North to South	
System N-1 TTC =	282 ²
ETC 1 =	233
ATC = TTC – ETC (≥0)	
PRPA TOT7 N-S ATC = 49	

TOT 1A East to West	
System Intact TTC =	29 ³
ETC 1 =	29, 25 starting 11/1/17
ATC = TTC – ETC (≥0)	
PRPA TOT1A E-W ATC = 0-4	

² PRPA ATC Path AU-STVRN is PRPA’s allocation in WECC Path 40. This path has a variable TTC dependent on local area load and the level of generation from the Colorado Big Thompson (CBT) Hydro Project. For simplification, PRPA uses a conservative static TTC for ATC calculations on this path. The conservative static TTC value is based on PRPA’s share of the TTC for peak load conditions (100p) and CBT at 30 MW according to the 2017 Summer TOT 7 Limits Table (still valid for the 2017-18 Winter Season) which is 282 MW (41% share of 688 MW path TTC). Very few reservations have been made on this path and those reservations were for a small fraction of the ATC posted. TTC could be greater in off-peak periods. Transmission Customers should contact PRPA’s OASIS Administrator if they have interest in reserving more ATC than is posted.

³ PRPA’s TOT 1A Allocation is 28 MW when Bonanza generation is offline and 29 MW when Bonanza generation is online.

TOT 1A West to East	
System Intact TTC =	29
ETC 1 =	0
ATC = TTC – ETC (≥0)	
PRPA TOT1A W-E ATC = 29	

Rawhide to Ault	
System Intact TTC =	350
ETC 1 =	0
TRM =	30 ⁴
ATC = TTC – ETC-TRM (≥0)	
PRPA RAW-AU ATC = 320	

⁴ TRM value is subject to change based on PRPA Reserves; contact the PRPA OASIS Administrator for more information on current TRM.

Table 2:

2017-2018 Winter Season

TOT7 North to South

Commitments: Native Load system planning contingency
Outage Timberline-Harmony 230 kV Line
Serve Native Load on PRPA System
in Longmont, Loveland, and Harmony.

Breakout of PRPA forecast for loads on PRPA system
in Longmont, Loveland, and Harmony for the current season (requiring
ETC on AU-STVRN):

City	2016 Summer Peak (MW)
Longmont	140
Loveland (less Derby Hill and Airport)	0
Harmony + Portner	93
Total	233