Scheduling, Curtailment and E-tagging the PacifiCorp (PACE) and Nevada Power Company (NEVP) path 35 Red Butte – Harry Allen 345 transfer capacity

Scheduling & E-Tagging

1. PacifiCorp has firm transfer capacity set aside specifically to schedule their use of the capacity associated with the new Harry Allen transformer installed at NEVP's Harry Allen Substation on the path 35, Red Butte – Harry Allen transmission line. Such transformer is connected to the Harry Allen 345 kV Substation between circuit breakers 4505 and 4506 and is connected to the Harry Allen 230 kV Substation between circuit breakers 2304 and 2305 (hereinafter referred to as "Bank #2"). The NEVP portion of path 35 is the 345 kV transmission line between the Harry Allen Substation and the Utah/Nevada border.
    a. These rights are bi-directional with different capacity ratings for each direction.

2. The transmission set asides are given the following IDs for the purposes of E-tagging and transmission accountability.
    a. 'PAC-RB-HA345' will be used as the OASIS ID when making an E-tag in the E-tag template 'Transmission Allocation' area for energy flow in the NEVP import direction from RED BUTTE to HA345.
        i. See example (2a)
    b. 'HA345-RB-PAC' will be used as the OASIS ID when making an E-tag in the E-tag template 'Transmission Allocation' area for energy flow in the NEVP export direction from HA345 to RED BUTTE.
        i. See example (2b)
    c. The transmission capacity set aside IDs for PacifiCorp's use are as follows (set asides are contingent on, and subject to change based on, Path 35 WECC path rating increase attributable to the installation of the new Harry Allen transformer):
        i. PAC-RB-HA345 = 58 MWs firm capacity (7-F)
        ii. HA345-RB-PAC = 280 MWs firm capacity (7-F)

3. For scheduling purposes, PacifiCorp's transmission set-a-sides on path 35 are **only** between Red Butte and Harry Allen 345. Therefore, in order to move energy into or out of the Harry Allen 345 substation point-to-point transmission capacity must be requested and purchased through the NEVP transmission system to or from another receipt or delivery point.
    a. Currently, NEVP has a path set up bi-directionally between HA345 and MEAD230 for the purpose of energy transfer to and from the HA345 through the NEVP transmission system.
        i. MEAD230 is a tie point between NEVP and WALC BAs. WALC is the BA for MEAD230

b. If other tie points beside the MEAD230 tie point are required they should be requested in advance so that NEVP may run an engineering study on the new point(s) requested.
c. The paths to and from MEAD230 and HA345 will be available for request and purchase on the NEVP OASIS site, but will be subject to the Available Transmission Capacity on the NEVP transmission system.

4. The E-tag path layout through the NEVP system should look something like the following examples with these WIT registered POR/PODs.

See example (2a) - Tag path from Red Butte (REDB WIT POR/POD ID) to Harry Allen (HA345 WIT POR/POD ID)

CA	TP	PSE	POR		POD	SE	OASIS ID
PACE		**PAC01**		**Source TBD**			
	PPW	**PAC01**	**TBD**		**REDB**	**PACE**	**Purchased on Oasis**
	NEVP	**PAC01**	**REDB**		**HA345**	**NEVP**	**PAC-RB-HA345**(58MWs)
	NEVP	**PAC01**	**HA345**		**MEAD230**	**NEVP**	**Purchased on OASIS**
	NEVP	**PAC01**	**MEAD230**		**MEAD230**	**WALC**	**same as line above**
	TBD	**PAC01**	**MEAD230**		**TBD**	**TBD**	**Trans from other BA**
TBD				**Load TBD**		**TBD**	

See example (2b) - Tag path from Harry Allen (HA345 WIT POR/POD ID) to Redbutte (REDB WIT POR/POD ID)

CA	TP	PSE	POR		POD	SE	OASIS ID
TBA		**PAC01**		**Source TBD**			
	TBD	**PAC01**	**TBD**		**MEAD230**	**TBD**	**Trans from other BA**
	TBD	**PAC01**	**MEAD230**		**MEAD230**	**WALC**	**same as line above**
	NEVP	**PAC01**	**MEAD230**		**HA345**	**NEVP**	**Purchased on OASIS**
	NEVP	**PAC01**	**HA345**		**REDB**	**NEVP**	**HA345-RB-PAC**(280MWs)
	PPW	**PAC01**	**REDB**		**TBD**	**PACE**	**Purchased on Oasis**
TBD		**PAC01**		**Load REDBUTTE**			

Curtailments

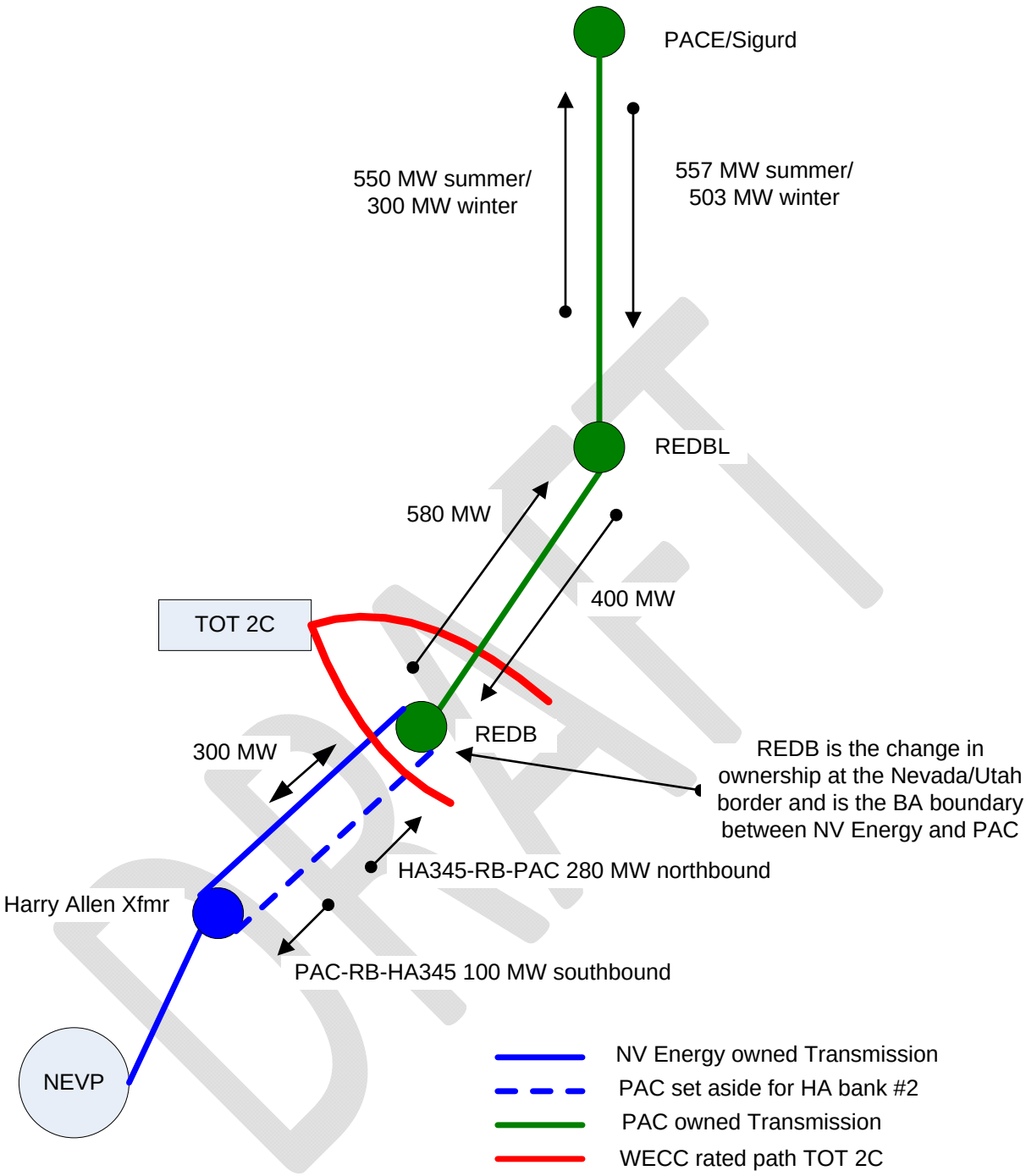
1. In the event of an outage or de-rate of either the existing NEVP Harry Allen 345 facilities or Bank #2, neither entity shall be entitled to any capacity on the other's facilities unless arrangements and reservations have been made by both parties.

2. During an outage or de-rate of Bank #2 Transformer, NEVP will reduce the PACE transmission set-a-sides and curtail any PACE schedules to the newly calculated values. In the event of a Bank #2 outage, NEVP's capacity ratings shall not be negatively impacted. After the outage or de-rate event, NEVP will return the PACE transmission set-a-sides to the proper values.

3. During an outage or de-rate of Bank #3 at the Harry Allen Substation, (Bank #3 is defined as the transformer connected to the Harry Allen 345 kV Substation between circuit breakers 4504 and 4506 and connected to the Harry Allen 230 kV Substation between circuit breakers 2301 and 2302) the NEVP capacity will be reduced and NEVP schedules shall be curtailed to the newly calculated values. In the event of a Bank #3 only transformer outage, PACE's capacity ratings shall be adjusted to a value equal to the remaining capacity on the path. After the outage or de-rate event, NEVP will return the NEVP capacity and the PACE transmission set-a-sides to the proper values.

4. If the available capacity over Bank #2 and Bank #3 are impacted by an event not listed above in items 1 through 3 of this Section, PACE and NEVP will work in good faith in accordance with the terms of principles set forth in the Amended and Restated Transmission Facilities Agreement (TFA), as may be amended from time to time, to determine appropriate de-rates, curtailments, or other actions as appropriate to address each Parties' capacity assignment with respect to Bank #2 and Bank #3.

*****Nothing in this scheduling protocol is intended to supersede or contradict any terms and conditions set forth in the Amended and Restated Transmission Facilities Agreement (TFA). In the event of a conflict between the TFA and this protocol, the TFA will govern.**


PACE/Sigurd
550 MW summer/
300 MW winter
557 MW summer/
503 MW winter
REDBL
580 MW
400 MW
TOT 2C
REDB
300 MW
REDB is the change in ownership at the Nevada/Utah border and is the BA boundary between NV Energy and PAC
HA345-RB-PAC 280 MW northbound
Harry Allen Xfmr
PAC-RB-HA345 100 MW southbound
NEVP
NV Energy owned Transmission
PAC set aside for HA bank #2
PAC owned Transmission
WECC rated path TOT 2C