



## **Transmission Business Line (TBL)**

### **Proposed ATC Calculation Methodology**

#### **QUESTIONS AND REQUESTS FOR INFORMATION FROM PUBLIC POWER REPRESENTATIVES, REVISION**

25 July 2003

1. Please provide a more detailed explanation of netting of resources and of the alternatives for implementing netting. Examples would be helpful.
2. What are the results if assumed historical generation, rather than 90%, is 80%, 95% and 100% in both the modified and unmodified cases?
3. How will TBL update the historical data on generation as it changes over time? For example, would additional years be added to the data set, or would some years be deleted while others are added? Or will TBL use something other than historical generation data to set dispatch assumptions? How will TBL account for events such as a long-term major unit outage or addition of a new turbine?
4. How will changes in non-power constraints be reflected in generation patterns when they go into effect? Who pays if the demand limits can't accommodate the generation patterns associated with the new non-power constraints?
5. How will TBL protect transmission capacity needed to serve NT load growth?
6. What are the consequences (economic and reliability) if a path is constrained and a utility is over its path demand limit? What are the consequences (economic and reliability) if a path is constrained and a utility is below its path demand limit? Are these answers likely to change in the next rate case? Does TBL propose to change the way it charges for redispatch before FY06 (i.e., after the end of the upcoming two-year rate period)?
7. Please list all known and expected cutplanes in BPA's system and identify any seasonality of the constraints and the percentage of time each path is constrained on an annual basis. Please also identify which paths are constrained due to contractual overload and which are exceeding physical limitations.
8. Please explain whether BPA is intending to go to zonal scheduling. Will each utility have to submit a schedule for each cutplane its delivery crosses? Will NT customers submit schedules by load zone instead of by POD?
9. With regard to the multiple-to-multiple POD to POR arithmetic allocation:
  - Is there an alternative allocation method that does not limit PTP rights to use full the existing full contract demand amounts at all PORs and PODs? Could TBL apply the Option #2 of the hybrid method, used for NT, to PTP?
  - Will the allocations be changed as new PODs are added or deleted?

10. What are the generation patterns for each alternative model (h/k, 90% and modified 90%) in the winter, fall and spring?
11. How will PBL (or NT customers) add new network resources?
12. Can the TRM be used to account for loop flow in order to permit deliveries when loop flow is at its maximum?
13. With regard to NT load forecasts:
  - What party has to do the forecasts? What methodology is being used to generate forecasts? Are these forecasts POD-by-POD?
  - How are GTA PODs handled?
  - Will TBL use forecasts for LLH to determine the amount of netting? How will it determine LLH peaks, given that LLH peaks have not been used in the past?
  - What assumptions are being made about load growth?
  - Why isn't adverse weather used to determine non-coincident peaks?
14. Will Grand Coulee, Chief Jo and Mid-C be in the same zone? If not, how does TBL expect that the Hourly Coordination Agreement would be affected?
15. In regard to non-federal resources:
  - Will a utility get transmission rights (demand limits across flowpaths) for both federal and non-federal resources?
  - Assuming that both non-federal and federal resources would have demand limits on internal flowpaths, would federal and non-federal demand limits on a given flowpath substitutable? That is, could an NT customer exceed its non-federal demand limits while underrunning its federal demand limits and not be subjected to redispatch or curtailments?
  - In assuming non-federal resource availability what does "fully utilized" mean?
  - How are non-federal resources matched and credited to PORs?
  - How are monthly minimum generation requirements for Customer Served Load handled in the analysis?
16. In regard to netting of flows, are customers required to provide the counterflows that yield netted use? If so, how will non-federal transmission customers provide such mandatory counterflows from their federal power purchases?
17. How are the DSI PTP and IR contracts handled in this analysis, given that some DSI customers are in default?
18. How do other WECC utilities determine TRM, as the WECC rules can be interpreted?
19. Now that TBL will permit firm redirects, how will rights to make firm redirects be exercised with the proposed ATC allocations? How will the ATC calculations take into account the right to firm redirected service?
20. What are the steps in the operation of the "hybrid model" presented at the last meeting and what are the inputs and outputs of each step? Please explain alternatives 1 and 2 in

more detail in relation to the hybrid model. In making the deductions from TTC for the non-NT service commitments what was subtracted?

21. For NT customers that submit their own load forecasts, why has TBL altered those forecasts in the analysis (at least in some cases)? Who assumes the liability for alterations in customer-submitted load forecasts?
22. What is the impact of using or not using “cut cases” on the demand limits (for all methodologies)?
23. What will happen in real time and for billing purposes if the assumed resource netting does not occur?
24. How are short-term augmentation and shaping purchases by PBL taken into account in the analysis?
25. Does TBL expect that amendments to the NT service agreements are necessary to implement the new ATC methodology?
26. Which PBL generation resources have been added since 1996 that are included in the analysis?