

TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

RESPONSES TO QUESTIONS SUBMITTED AS PART OF THE PUBLIC PARTICIPATION PROCESS ASSOCIATED WITH DEVELOPMENT OF ELECTRIC RESOURCE PLAN

MAY 10, 2010

QUESTION NO. 1

How much of Tri-State’s service territory in the West is operated by WAPA (as the Balancing Authority)? How much by PAC? Any others if any?

Response

Tri-State has load and/or generation in five Balancing Authorities (BA) as shown below:

WAPA (the BA is named “WACM”) – Load and Generation

PSCO – Load and Generation

PAC – Load

PNM – Load and Generation

NPPD - Load

Tri-State schedules generation and purchased power to meet load and firm obligations in each of these BAs to establish balanced load/resource portfolios in each hour. Tri-State takes energy imbalance and regulation service from each of the BAs.

QUESTION NO. 2

What is Tri-State’s Peak load and annual energy (customer load in the West – and total)

Response

Tri-State demand and energy data can be seen at the following webpage:

<http://www.tristategt.org/ResourcePlanning/ResourcePlanDoc.cfm>

Click on “April 23 Meeting Presentation”, and see slides 20 - 60

QUESTION NO. 3

How much regulation capacity does WAPA have (~70 MW)?

Response

To the best of our knowledge, Western Area Power Administration has not published data indicating the extent of available regulation capacity.

QUESTION NO. 4

Do any of the Tri-State units have Automatic Generation Control (AGC) hooked up and operating? If so, which, how much capacity, what is response of unit etc.?

Response

At this time, Tri-State does not have any of its units operating under automatic generation control. Tri-State purchases energy imbalance and regulation from balancing authorities.

QUESTION NO. 5

Can WAPA ask Tri-State to ramp units, other than at the top of the hour, to hit the new schedule?

Response

Although Tri-State purchases energy imbalance and regulation from Western Area Power Administration, Tri-State does periodically move generation in response to balancing authority instructions.

QUESTION NO. 6

How much capacity/energy does Tri-State get from WAPA? Is it around 200 MW from MRB and 250 from CRSP?

Response

See Slide 146 from the slide show referenced above under question 2.

QUESTION NO. 7

Please provide a PowerPoint map of the TS service territory – maybe some type of WAPA overlay.

Response

See Slide 165 from the slide show referenced above under question 2. Also see the map shown at the following web site.

<http://www.wapa.gov/regions/default.htm>

QUESTION NO. 8

What type of regulation service can Tri-State get from Xcel/PSCo?

Response

Tri-State is a customer of energy imbalance and regulation service provided by Xcel/PSCo under the terms and conditions of Public Service's Open Access Transmission Tariff.

QUESTION NO. 9

What is Tri-State's participation in the Rocky Mountain Reserve Group?

Response

Tri-State is a member the Rocky Mountain Reserve Group and self-supplies contingency reserves under the provisions of the Reserve Group contract.