



Rider-3
Market Cost of Comparable Conventional Generation (MCCCG)
Calculation as Applicable to Rider-4 NM-PRS

AVAILABILITY

The Market Cost of Comparable Conventional Generation (MCCCG) calculation, Rider-3, is restricted to Rider-4, Net Metering for Certain Partial Requirements Service (NM-PRS) and the Large General Service Time-of-Use Storage Program.

CALCULATION/ METHODOLOGY

The Arizona Corporation Commission (ACC) provided guidance on defining MCCCG in the context of its REST Rules and identified the MCCCG as “the Affected Utility’s energy and capacity cost of producing or procuring the incremental electricity that would be avoided by the resources used to meet the Annual Renewable Energy Requirement, taking into account hourly, seasonal and long term supply and demand circumstances. Avoided costs include any avoided transmission and distribution costs and any avoided environmental compliance costs.” R14-2-1801.11.

For purposes of calculating credits to the Customer for Excess Generation, the unit price paid (Credit for Excess Generation) shall be the simple average of the MCCCG over the 8,760 hours (8,784 in a leap year) in the forecasted year. The MCCCG in each hour is based on whether native load requirements will be met by internally owned or contracted generation resources or if market purchases will be required to meet native load requirements. The Cost Determination Matrix below provides a description of the MCCCG methodology. The hourly MCCCG cost determination criteria is based on the Market Condition and Dispatch Type. This method of cost determination is very data intensive and will be calculated annually by running TEP’s production cost modeling software for the 12 months during which the new rate will be in effect, and the rate will be filed with the Commission by February 1 of each year.

RATE

The customer monthly bill shall consist of the applicable rate charges and adjustments in addition to the Credit for Excess Generation based on the MCCCG. The MCCCG is an amount expressed as a rate per kWh charge that is approved by the ACC on or before April 1 of each year and effective with the first billing cycle in April, as shown in the TEP Statement of Charges.

TEP STATEMENT OF CHARGES

For all additional charges and assessments approved by the ACC, see the TEP Statement of Charges which is available on TEP’s website at www.tep.com.



MCCCG Cost Determination Matrix

Market Condition and Dispatch Type	Selling to Market from In House Real and Contracted Generation Sources	MCCCG Cost Based on Production/Purchase Cost of Marginal Generation for that hour
	No Market Transactions from/to In House and Contracted Generation Sources	
	Purchasing from Day Ahead Market, but not Spot Market, to meet Native Load Requirements	MCCCG Cost Based on Average Day Ahead Market Price of Purchased Power for that hour
	Purchasing from Spot Market to meet Native Load Requirements	MCCCG Cost Based on Average Spot Market Price of Purchased Power for that hour

Marginal Generation - Generation or Purchased Power that has to be provided to serve the next kWh (incremental) amount of load This will be dependent on the season, month and time of day.

If Day Ahead Market or Spot Market purchases are being used to provide for reliability support capacity to meet native load requirements by freeing up in house or contracted generation resources for regulation or spinning reserve purposes for support of native load requirements, that would still represent a Market Purchase for purposes of determining which matrix box is applicable.