

Bid cost recovery and variable energy resource settlements

Working group discussion May 8, 2015

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Agenda topics

- Walk through of DA MEAF spreadsheet
- Discussion of RIE settlement
- NEW: EIM true-up for persistent deviation metric and real-time performance metric

 $\min\left\{1, \left|\frac{\text{Metered energy} - DA \text{ scheduled energy} - Regulation \text{ energy}}{\text{Total expected energy} - DA \text{ scheduled energy}}\right|\right\}$



Step	Conditions and Actions
[1]	If (Expected Energy ⁱ >= DA Minimum Load Energy) and Expected Energy > 0
	Then
	If ((Metered Energy – Regulation Energy < DA Minimum Load Energy –Tolerance Band) Or (Metered Energy – Regulation Energy <= 0))
	Then DA MEAF = 0

i. The term Expected Energy, for purpose of the calculations in the following tables, is defined to be the minimum of the real-time expected energy and the day-ahead expected energy.



Step	Conditions and Actions
[2]	Else
	If (Abs (Metered Energy – Regulation Energy - Expected Energy) <= Performance Metric Tolerance)
	Then DA MEAF = 1



Step	Conditions and Actions
[3]	Else (noting from Step 1 that Expected Energy should be >= DA Minimum Load Energy here, first test to determine if Expected Energy = DA Minimum Load Energy to avoid a divide by zero condition in the next "Else" statement below)
	If (Expected Energy – DA Minimum Load Energy <= Zero Tolerance")
	Then DA MEAF = 1

ii. The term Zero Tolerance is a constant that equals the (very small) number 1×10^{-10} .



Day-ahead metered energy adjustment factor (corrected)



Removed redundant formula and corrected denominator



Step	Conditions and Actions	
[5]	This condition occurs after all of the other IF, Else statements from above	
	Else	
	If Expected Energy >= 0	This is the
	Then	current formula
	DA MEAF = 1	for pumped
	Else	storage and no
	(for the case of a BCR-Eligible Resource such as a pump-storage device from which negative DA energy is expected)	changes are
	DA MEAF =	Included here
	$Min\left[1, Max\left(0, \frac{MeteredEnergy}{ExpectedEnergy}\right)\right]$	for completeness.
	End if	
	End if	