

Options for Operating Reserve Reports EPT Hour Columns



- Some MSRS reports use 24 EPT HE columns to display data across the report
- Reports affected by 5 minutes settlements that use 24 EPT HE columns include
 - Operating Reserve Generator Credit Details
 - Operating Reserve Generator Deviations
 - Operating Reserve for Load Response Credits

- PJM has 2 proposals for handling these reports in 5 minute settlements
- Changing the EPT HE columns to EPT Interval Ending columns and expanding the reports to ~308 columns
 - This allows the reports to keep the same format, just expanding the number of columns
- Transposing the data label column into numerous report columns and adding in EPT Interval Ending and GMT Interval Ending columns.
 - Conserves report width, but adds more rows to report
 - Removes “Total” column



Expanded Columns

A	B	C	D	E	F	G	H	I	J	K	KF	KG	KH	KI
Operating Reserve Generator Credit Details														
Customer Account:		Report Creation Timestamp (EPT):												
Start Date:	4000.01	4000.02	4000.04	4000.63	4000.64	3000.8	3014.26	3015.01	3015.02	3015.25	3015.03			
Customer ID	Customer Code	Date	Unit ID	Unit Name	Unit Ownership Share	Data Label	EPT IE Label 00:05	EPT IE Label 00:10	EPT IE Label 00:15	EPT IE Label 00:20	EPT IE Label 23:45	EPT IE Label 23:50	EPT IE Label 23:55	EPT IE Label 24:00
1	Text	MM/DD/Y	123	ABC		1 DA Genera	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 DA Schedu	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Dispatch f	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Genera	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Genera	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 DA Schedu	11	11	11	11	11	11	11	11
1	Text	MM/DD/Y	123	ABC		1 DA Energy	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 DA No-Loa	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 DA Startu	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 DA Value (1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 DA Net Rev	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Scheduled	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Scheduled	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Schedu	12	12	12	12	12	12	12	12
1	Text	MM/DD/Y	123	ABC		1 Segment II	2	2	2	2	2	2	2	2
1	Text	MM/DD/Y	123	ABC		1 BOR Reaso	1	1	1	1	1	1	1	1
1	Text	MM/DD/Y	123	ABC		1 BOR Regio	2	2	2	2	2	2	2	2
1	Text	MM/DD/Y	123	ABC		1 Economic	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Economic	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Dispat	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Dispat	1	1	1	1	1	1	1	1
1	Text	MM/DD/Y	123	ABC		1 RT MWh U	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Bal Value	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Energy	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT No-Loa	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Startu	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 RT Additio	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Bal Value	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Operating	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Operating	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Operating	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Operating	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1	Text	MM/DD/Y	123	ABC		1 Bal Net Re	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123



Transposed Data Labels

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
Operating Reserve Generator Credit Details																								
Customer Account: Report Creation Timestamp (EPT):																								
Start Date:		End Date:																						
4000.01	4000.02	4000.04	4001.4	4001.41	4000.63	4000.64	3000.8																	
Customer ID	Customer Code	Date	EPT Interval Ending	GMT Interval Ending	Unit ID	Unit Name	Unit Ownership Share	DA Generator LMP (\$/MWh)	DA Scheduled MWh	Dispatch Rate (\$/MWh)	RT Generator LMP (\$/MWh)	RT Generation (MWh)	DA Schedule ID	DA Energy Offer (\$)	DA No-Load Cost (\$)	DA Startup Cost (\$)	DA Value (\$)	DA Net Revenue (\$)	Scheduled Min (MWh)	Scheduled Max (MWh)	RT Schedule ID	Segment ID	BOR Reason ID	BOR Region ID
123	ABC		2/1/2018 0:05	2/1/2018 5:05	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	2	1	2
123	ABC		2/1/2018 0:10	2/1/2018 5:10	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	2	1	2
123	ABC		2/1/2018 0:15	2/1/2018 5:15	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	2	1	2
123	ABC		2/1/2018 0:20	2/1/2018 5:20	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	2	1	2
123	ABC		2/1/2018 0:25	2/1/2018 5:25	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 0:30	2/1/2018 5:30	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 0:35	2/1/2018 5:35	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 0:40	2/1/2018 5:40	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 0:45	2/1/2018 5:45	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 0:50	2/1/2018 5:50	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 0:55	2/1/2018 5:55	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2
123	ABC		2/1/2018 1:00	2/1/2018 6:00	12341234	ABC	1	1.123	1.123	1.123	1.123	1.123	11	1.123	1.123	1.123	1.123	1.123	1.123	1.123	12	1	1	2

Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
Economic Min (MWh)	Economic Max (MWh)	RT Dispatch Desired MWh	RT Dispatch Desired Type	RT MWh Used	Bal Value MWh Used	RT Energy Offer (\$)	RT No-Load Cost (\$)	RT Startup Cost (\$)	RT Additional Startup Cost (\$)	Bal Value (\$)	Operating Reserve Offsetting Synch Reserve Revenue (\$)	Operating Reserve Offsetting Reactive Services Revenue (\$)	Operating Reserve Offsetting DASR Revenue (\$)	Operating Reserve Offsetting Non-Synch Reserve Revenue (\$)	Bal Net Revenue (\$)
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
1.123	1.123	1.123	1	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123