

2021/22 Winter Weekly Reserve Target (WWRT)

Patricio Rocha Garrido
Resource Adequacy Planning
Operating Committee
10/07/2021

WWRT – Winter Weekly Reserve Target

IRM – Installed Reserve Margin

RRS – Reserve Requirement Study

LOLE – Loss of Load Expectation

DY – Delivery Year

FPR – Forecast Pool Requirement (IRM converted to units of unforced capacity for use in the RPM auctions)

- **Background**
 - WWRT is part of the Reserve Requirement Study (RRS), which also calculates the Installed Reserve Margin (IRM) and the Forecast Pool Requirement (FPR)
 - WWRT is supplied to the PJM Operations Department which uses it to coordinate planned generator maintenance scheduling during the upcoming winter period
- **Objective**
 - Cover against uncertainties associated with load and forced outages during the winter months so that winter LOLE is practically zero

- Procedure
 - Step 1: Set up an IRM case with total LOLE = 0.1 days/year.
 - Step 2: In addition to the required planned maintenance schedule, simulate additional planned maintenance during each week of the three winter months until the annual LOLE is worse than 0.1 days/year.
 - Step 3: Calculate the available reserves in each of the winter weeks as a percentage of the corresponding monthly peak.
 - Step 4: The WWRT for each month is the highest weekly reserve percentage (rounded up to the next integer value).



2021/22 Winter Weekly Reserve Targets

Month	% Available Reserves	Max % Available Reserves (by Month)
December	18.29%	24%
	23.52%	
	21.61%	
	10.86%	
January	23.73%	27%
	10.44%	
	18.72%	
	26.25%	
February	18.13%	21%
	20.69%	
	17.31%	
	13.14%	

- Winter Weekly Reserve Target values for 2021/22

Month	WWRT
December 2021	24%
January 2022	27%
February 2022	21%

- Second read and endorsement request will occur at the November OC meeting

SME / Presenter:

Patricio Rocha Garrido,
patricio.rocha-garrido@pjm.com

2021/22 Winter Weekly Reserve Target (WWRT)



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com