



2022/23 Winter Weekly Reserve Target (WWRT)

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Resource Adequacy Planning
Operating Committee
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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 provides values for the Installed Reserve Margin (IRM) and the Forecast Pool Requirement (FPR)
 - WWRT values are supplied to the PJM Operations Department so that they can be used to coordinate planned outages scheduling during the upcoming winter period
- **Objective**
 - Cover against uncertainties associated with load and forced outages during the winter months so that the calculated 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 outage schedule, simulate additional planned outages 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).



2022/23 Winter Weekly Reserve Targets

Month	% Available Reserves	WWRT (Max Monthly % Available Reserves)
December	17.58%	21%
	20.84%	
	20.76%	
	9.83%	
January	23.79%	27%
	12.85%	
	18.58%	
	26.24%	
February	17.07%	23%
	22.70%	
	18.73%	
	13.73%	

Last year's values were:

December: 24%
 January: 27%
 February: 21%

- Endorsement of the Winter Weekly Reserve Target values for 2022/23 as shown below

Month	WWRT
December 2022	21%
January 2023	27%
February 2023	23%

SME/Presenter:

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**2022/23 Winter Weekly Reserve Target
(WWRT)**



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