



# 2020/21 Winter Weekly Reserve Target (WWRT)

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Resource Adequacy Planning  
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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 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).



# 2020/21 Winter Weekly Reserve Targets

Month	% Available Reserves	Max % Available Reserves (by Month)
December	16.25%	23%
	22.99%	
	18.02%	
	11.02%	
January	24.91%	27%
	11.78%	
	18.87%	
	26.69%	
February	19.78%	23%
	22.03%	
	16.34%	
	11.75%	

Corresponding values last year were:

December: 22%  
 January: 28%  
 February: 24%

- Endorsement of the Recommended Winter Weekly Reserve Target values for 2020/21

<b>Month</b>	<b>WWRT</b>
December 2020	23%
January 2021	27%
February 2021	23%

The Planning Committee (PC) and the Resource Adequacy Analysis Subcommittee (RAAS) endorsed these results.

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Winter Weekly Reserve Target



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