



# Generation Capacity Resources

## RPM Requirements

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- Describe the requirements for the following generation capacity resource types to participate in an RPM auction
  - **existing internal**
  - **existing external**
  - **planned internal**
  - **planned external**
- Describe the consequences of a delayed in-service date

- RPM qualifications and requirements for Generation Capacity Resources are presented in PJM Manual 18 Section 4.2.
  - Section 4.2.1, existing internal
  - Section 4.2.2, existing external
  - Section 4.2.3, planned internal
  - Section 4.2.4, planned external
- Rules and procedures for determination of generating capability are described in PJM Manual 21

PJM Manual 18: <https://www.pjm.com/~media/documents/manuals/m18.ashx>

PJM Manual 21: <https://www.pjm.com/~media/documents/manuals/m21.ashx>

- The unit is pre-certified by PJM as meeting the generation deliverability test. PJM's certification process for internal generating resources is described in the Tariff and Operating Agreement.
- The resource owner or operator submits the required operating and maintenance information into PJM's eDART and eGADs systems.
- The resource owner or operator performs winter and summer testing as described in PJM Manual 21 to verify the net capability of each unit.

- The unit resides in the Capacity Exchange resource portfolio of a signatory of the PJM Operating Agreement. This is accomplished by having an “Approved” Capacity Modification in Capacity Exchange.
- The relevant portion of the unit was not specified in any FRR Capacity Plan for the Delivery Year.
- The unit must have been offered in the Base Residual Auction for the Delivery Year in order to be eligible to offer into the First, Second or Third Incremental Auctions for that Delivery Year.

Same as existing internal requirements plus...

- Seller has obtained a determination that the Pseudo-Tie required for its External Generation Capacity Resource is feasible
- For transmission outside PJM, obtained Long Term Firm Point to Point service
- For transmission service within PJM, obtained Network External Designated Transmission Service.

- External capacity without firm transmission service confirmed must establish an RPM Credit Limit prior to an RPM Auction.
- The resource owner provides a letter of non-recallability
- A communication path (acceptable to PJM Dispatching/Operations personnel) must be established between the PJM Dispatchers and the operator of the unit.
- Seller executes an External Resource Must Offer Agreement.

- The planned unit's start date of Interconnection Service is on or before the start of Delivery Year.
- A Facilities Study Agreement has been executed for planned generation resources greater than 20 MWs and an Impact Study Agreement has been executed for planned generation resources less than or equal to 20 MWs, for the unit to participate in the Base Residual Auction.
- An Interconnection Service Agreement (ISA) or Wholesale Market Participant Agreement (WMPA) has been executed for the unit to participate in an Incremental Auction.



- A planned unit with an Interim ISA can offer only into the BRA or Incremental Auction for which the Interim ISA is valid.
- A Capacity Modification for the planned unit has been submitted and in “Provisionally Approved” status in Capacity Exchange.
- Planned Generation Capacity Resources must establish an RPM Credit Limit prior to an RPM Auction.

Same as planned internal requirements plus...

- Must satisfy the same requirements for existing external generation capacity
- Must provide evidence to PJM it has been studied as a Network Resource, or such other similar interconnection product in the external Control Area.

- If the Planned Generation Capacity Resource was committed through the Base Residual Auction and the ISA is not received prior to opening of the bid window for the First Incremental Auction, the status of the Capacity Modification will be changed from “Provisionally Approved” to “Denied” so that the planned generation will no longer be included in a resource provider’s Capacity Exchange Generation Resource portfolio.
- If the capacity resource has a commitment for the relevant delivery year, this may trigger a deficiency unless otherwise remedied.

- If the Planned Generation Capacity Resource is delayed and has not commenced Interconnection Service by the start date of the Capacity Modification, the status of the Capacity Modification will be changed from “Provisionally Approved” to “Denied”. A new Capacity Modification will need to be submitted and approved with a start date that corresponds to the start date of Interconnection Service.
- If the capacity resource has a commitment for the relevant delivery year, this may trigger a deficiency unless otherwise remedied.