

## Phase Angle Regulator Transmission Injection and Withdrawal Rights

The PJM Planning Committee authorized the formation of a group under the Planning Committee to discuss issues relating to the acceptable classification of Controllable A.C Merchant Transmission Facilities as defined in the PJM Tariff. Presently, PJM is interpreting the definition of Controllable A.C. Merchant Transmission Facilities as including only Variable Frequency Transformer technology and that projects which may employ Phase Angle Regulator (PAR) technology cannot qualify as Controllable A.C. Merchant Transmission Facilities. This issue was identified to the Planning Committee by a Stakeholder.

### Administrative

Parent Committee: Planning Committee

Facilitator: Scott Baker

Secretary: TBD

### Objective

The resolution of this issue will seek to determine whether PAR technology should qualify as “Controllable A.C. Merchant Transmission Facilities” under the PJM Tariff and, if so, how rights associated with PAR technology seeking treatment as “Controllable A.C. Merchant Transmission Facilities” will be evaluated.

### Group Work Activities

1. Education on current PJM Tariff and Manual provisions concerning awards of Transmission Injection and Withdrawal Rights
2. Education on current PAR technology capabilities
3. Determine if changes are needed to the current rights awarded to PAR technology under the PJM New Services Queue Process.
4. To the extent necessary to implement the determinations of the task force, identify the factors for evaluating PAR technology as “Controllable A.C. Merchant Transmission Facilities” and for determining the levels of awards of Withdrawal Rights and Injection Rights for PAR technology projects..
5. To the extent necessary to implement the determinations of the task force, draft changes and/or additions to the PJM Tariff, Manuals and/or other PJM governing documents or procedures.

### Deliverables

1. A determination whether the characteristics of PAR technology support treating PAR-based projects as “Controllable A.C. Merchant Transmission Facilities
2. If a determination is made that the characteristics of PAR technology do support treating PAR-based projects as “Controllable A.C. Merchant Transmission Facilities:”
  - a. A determination whether the definition of “Controllable A.C. Merchant Transmission Facilities” in current PJM Tariff of “Controllable A.C. Merchant Facilities” is sufficiently broad to cover PAR-based projects
  - b. To the extent needed, draft changes for the PJM Tariff to include procedural and definition changes
  - c. To the extent needed, draft changes to the PJM manual(s) or other PJM documents



3. If a determination is made that the characteristics of PAR technology do not support treating PAR-based projects as “Controllable A.C. Merchant Transmission Facilities, a report detailing the reasons for this determination.

### **Expected Duration**

The work activities are expected to be completed by the end of the fourth quarter of 2015.

### **Decision Making Method**

The objective is to use the Tier 1, consensus-based, decision-making methodology (unanimity) on a single proposal.