



# Postback Methodology

## Duke Energy Carolinas

This documentation of Duke Energy Carolinas Postback Methodology is available on the Duke Energy Carolinas' OASIS homepage, <http://www.oasis.oati.com/duk/index.html>. Information about Duke Energy Carolinas' AFC and Remaining Contract Path Capability equations can be found in Attachment C-3 of the Joint Open Access Transmission Tariff (OATT) and/or the Available Transfer Capability Implementation Document (ATCID) also posted on the Duke Energy Carolinas' OASIS homepage.

### 1. Executive Summary:

The purpose of this Postback Methodology is to describe the positive impacts to Duke Energy Carolinas AFC and Remaining Contract Path Capability (RCPC) calculation based on a change in status of a Point-to-Point or Network Transmission Service Reservation (TSR), or use of reserved capacity, or other conditions as specified in this document.

Rather than incorporate Postbacks when there is a change in status of a TSR, or use of reserved capacity, or other conditions as specified in this document, Duke Energy Carolinas makes adjustments to the Existing Transmission Commitments (ETC) component of the AFC calculation formula and then recalculates AFC and also makes adjustments to the RCPC "Reservations or Schedules<sub>p</sub>" component of the RCPC calculation formula and then recalculates RCPC.

### 2. Description of Postback Methodology:

Duke Energy Carolinas utilizes positive adjustments to AFC and Remaining Contract Path Capability (RCPC) values by modifying the impact to the Existing Transmission Commitments (ETC) for the AFC calculation formula and also makes adjustments to the RCPC "Reservations or Schedules<sub>p</sub>" component. Duke Energy Carolinas does not incorporate Postbacks for making adjustments to AFC and RCPC but, instead, recalculates AFC and RCPC after modifying ETC the RCPC "Reservations or Schedules<sub>p</sub>" component. Below is a description of positive adjustments to AFC and RCPC values in the Duke Energy Carolinas calculation process:

#### 2.1. Annulment of Transmission Service Reservations:

Impacts of TSRs with a status of "ANNULLED" are excluded from the calculation of ETC and RCPC. Thus, annulment of a TSR with a previous status of CONFIRMED will positively impact the AFC and RCPC values when the ETC component and RCPC are recalculated. *(i.e., the previous AFC and RCPC calculation included the impact of a TSR when the status was CONFIRMED but the recalculation of AFC and RCPC does not include the impact of this TSR due to the status being changed to ANNULLED, causing a positive adjustment in AFC and RCPC without an explicit Postback.)*

#### 2.2. Redirect of Transmission Service on a Firm Basis:

Impacts of firm TSRs that have been redirected on a firm basis are incorporated as adjustments to the capacity of the parent reservation and reflected in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component during the Hourly Operating, Hourly Planning, Daily Planning, Daily



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Study, and Monthly Study horizons for firm calculations and during the Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

### **2.3. Recall of Transmission Capacity:**

Impacts of recalled firm TSRs are incorporated as adjustments to the capacity of the parent reservation and reflected in ETC and in the RCPC "Reservations or Schedules<sub>p</sub>" component during the Hourly Operating, Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for firm calculations and during the Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

Impacts of recalled non-firm TSRs are incorporated as adjustments to the capacity of the parent reservation and reflected in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component during the Hourly Operating (if applicable, see Section 2.4 for more information), Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

During the Hourly Operating horizon for the non-firm calculation, impacts of recalled firm TSRs are not incorporated in the ETC, the RCPC "Reservations or Schedules<sub>p</sub>" component, or as a Postback since only the scheduled capacity of firm TSRs is included in the non-firm ETC and RCPC.

### **2.4. Release of Unscheduled Firm Capacity:**

In the Hourly Operating Horizon, unscheduled firm capacity is released to the non-firm AFC and the RCPC "Reservations or Schedules<sub>p</sub>" component. During this horizon, the scheduled capacity of firm reservations is incorporated in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component for non-firm calculations.

Duke Energy Carolinas defines the scheduled capacity of firm reservations that are incorporated in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component for non-firm calculations to be the capacity specified in the transmission allocation (Transmission Profile) of a Request for Interchange (RFI).

### **2.5. Release of Unscheduled Non-Firm Capacity:**

In the Hourly Operating Horizon, unscheduled non-firm capacity is released to the non-firm AFC except for newly confirmed non-firm TSRs. During this horizon, the scheduled capacities of non-firm reservations are incorporated in the ETC for non-firm calculations. These impacts are not included as a Postback to prevent double decrementing as they are already included in the ETC.

Duke Energy Carolinas defines the scheduled capacity of non-firm reservations that are incorporated in the ETC for non-firm calculations to be the capacity specified in the transmission allocation (Transmission Profile) of a Request for Interchange (RFI).



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Newly confirmed TSRs impact the ETC by their granted capacity until they are either scheduled or the next recalculation of AFC. This is done to allow Customers who reserve non-firm TSRs time to schedule their newly obtained capacity prior to releasing it back to the non-firm AFC.

Impacts to the non-firm RCPC "Reservations or Schedules<sub>p</sub>" component will remain the granted capacity of the TSR.

### **2.6. Undesignation/Termination of Designated Network Resource:**

Impacts of undesignation/termination of a Designated Network Resource (DNR) that then results in the termination/reduction of a firm network TSR are incorporated in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component" during the Hourly Operating, Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for firm calculations and during the Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

During the Hourly Operating horizon for the non-firm calculation, impacts of undesignation/termination of a Designated Network Resource (DNR) that then results in the termination/reduction of a firm network TSR are not incorporated in the ETC, the RCPC "Reservations or Schedules<sub>p</sub>" component", or as a Postback due to the use of scheduled capacity of firm TSRs in the non-firm ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component".

### **2.7. Terminated Secondary Network Transmission Service:**

Impacts of terminated secondary network transmission service are incorporated in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component" during the Hourly Operating (if applicable, see Section 2.4 for more information), Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

### **2.8. Relinquish of Secondary Non-Firm Capacity:**

Impacts of relinquished secondary non-firm capacity are incorporated as adjustments to the capacity of the secondary non-firm reservations and are reflected in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component" during the Hourly Operating (if applicable, see Section 2.4 for more information), Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

### **2.9. Release of Rollover Rights:**

Impacts of released rollover rights are incorporated in the ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component during the Hourly Operating, Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for firm calculations and during the Hourly Planning, Daily Planning, Daily Study, and Monthly Study horizons for non-firm calculations.

### **2.10. Displacement of Transmission Service:**



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Impacts of TSRs with a status of "DISPLACED" are excluded from the calculation of ETC and the RCPC "Reservations or Schedules<sub>p</sub>" component. Thus, displacement of a TSR with a previous status of CONFIRMED will positively impact the AFC and RCPC values when the ETC component and the RCPC "Reservations or Schedules<sub>p</sub>" component are recalculated. *(i.e., the previous AFC and RCPC calculation included the impact of a TSR when the status was CONFIRMED but the recalculation of AFC and RCPC does not include the impact of this TSR due to the status being changed to DISPLACED, causing a positive adjustment in AFC and RCPC without an explicit postback.)*

### **2.11. Superseding of Transmission Service:**

There is no impact on RCPC when the status of a transmission service request is set to "SUPERSEDED". These requests were never CONFIRMED and, therefore, never had any impact on the RCPC calculation.

In the AFC calculation, the impacts of pending and confirmed NITS and PtP are accounted for in the process as they fall under the "transmission service expected to be scheduled" as defined in Duke Energy Carolinas Available Transfer Capability Implementation Document. When the status of a transmission service request is set to "SUPERSEDED" in the AFC calculation, the transmission service request impacts are removed from the AFC calculation.



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### DOCUMENT REVISION HISTORY

Date	Version	Change By	Pages or Sections Revised and Description
03/31/2011	0	Tony Hunziker	Initial version of Postback Methodology
12/20/2013	1	Linwood Ross	- Updated references to Joint OATT - Updated Duke Energy logo - Elaborated on Section 2.11 Superseding of Transmission Service