

A large white wind turbine stands on a grassy hill under a sunset sky. The turbine's blades are partially visible, and the landscape is bathed in the warm, golden light of the setting sun. In the background, there are rolling hills and a layer of clouds. A dirt road or path leads up towards the base of the turbine.

Settlements Validation

Charge Codes

● Settlements validation: Charge codes

During and after market optimization, certain market conditions trigger charge codes. They can be categorized as Market results or Post-market. There are also charge codes related to Administrative fees that are triggered by market events. Use the tables below to find charge codes related to each market event.

Market results

Market segments	Type	CC#'s	When does it apply?	Who does it apply to?
Market results	IFM or Day-Ahead Energy	6011 (Day-Ahead Energy, Congestion, Loss Settlement)	Applies payments to SCs whose resources are awarded in the day-ahead and charges to SCs who purchase energy in the day-ahead market. Supply resources are paid the nodal price and demand is charged the price at the load aggregation point (LAP).	All scheduling coordinators
	FMM/RTD Instructed imbalance energy	6460(FMM Instructed imbalance energy)	When the market runs at T-37.5, and your resource is instructed to increase or decrease its MW output from its day-ahead schedule.	Scheduling coordinators for supply and export
		6470 (RTD Instructed imbalance energy)	When your resource is ramping across the hour, a portion of the FMM instructed imbalance energy may be reclassified to this charge code.	Scheduling coordinators for supply
		6470 (RTD instruction)	When the market runs at T-7.5, and your resource is instructed to increase or decrease its MW output from its day-ahead or FMM schedule.	Scheduling coordinators for supply

Market results

Market segments	Type	CC#'s	When does it apply?	Who does it apply to?
Market results	Flexible Ramping	7070 (Flexible ramp forecasted movement)	When a resource receives binding awards for the current market interval and advisory awards for the next interval. This is known as forecasted movement, or forecasted ramp.	All scheduling coordinators
		7071 (Flexible ramp up uncertainty capacity)	When a resource provides capacity to cover a potential deviation in the up direction.	All scheduling coordinators
		7081 (Flexible Ramp down uncertainty capacity)	When a resource provides capacity to cover a potential deviation in the down direction.	All scheduling coordinators

Post-market

Market segments	Type	CC#'s	When does it apply?	Who does it apply to?
Post-market	Uninstructed imbalance energy	6475 (Uninstructed imbalance energy)	When there is a difference between resources' dispatch instructions, day-ahead schedules, and meter read.	All scheduling coordinators
	Unaccounted for energy	6474 (Unaccounted for energy)	When (Generation Metered MW + Import MW) does not equal (Export MW + Load Meter MW + Loss MW).	All scheduling coordinators
	Real-time offsets	6477 (Real-time imbalance energy offset)	When there is any remaining real-time market offset amount that is not accounted for.	Scheduling coordinators with Measured Demand
		6774 (Real-time congestion offset)	When there is a difference in the congestion component of the LMPs that were over or under paid when settling for the FMM instruction, RTD instruction, UFE, and UIE associated with the meter.	Scheduling coordinators with Measured Demand
		6985 (Real-time marginal loss offset)	When there is a difference in the loss component of the LMPs that were over or under paid when settling for the FMM instruction, RTD instruction, UFE, and UIE associated with the meter.	Scheduling coordinators with Measured Demand
	Flexible ramping allocation	7076 (Flexible ramp forecast movement allocation)	When CC 7070 pays out or charges, the allocation is settled with CC 7076.	All scheduling coordinators

Post-market

Market segments	Type	CC#'s	When does it apply?	Who does it apply to?
Post-market	Flexible ramping allocation	7077 (Daily flexible ramp up uncertainty award allocation)	When CC 7071 settlements apply, CC 7077 allocates the settlements amounts that were paid out.	All scheduling coordinators
		7078 (Monthly flexible ramp up uncertainty award allocation)	When scheduling coordinators either deviated during relevant peak and off-peak hours or had uncertainty movement in the up direction throughout the month, as identified with CC 7087.	All scheduling coordinators
		7087 (Daily flexible ramp down award allocation)	When CC 7081 settlements apply, CC 7087 allocates the settlements amounts that were paid out.	All scheduling coordinators
		7088 (Monthly flexible ramp down uncertainty award allocation)	When scheduling coordinators either deviated during relevant peak and off-peak hours or had uncertainty movement in the down direction throughout the month, as identified with CC 7087.	All scheduling coordinators
	Bid cost recovery	6620 (RUC and Real-Time Bid Cost Recovery Settlement)	When a resource's operating costs are higher than its revenue.	All scheduling coordinators for supply
		6678 (Real Time Bid Cost Recovery Allocation)	When CC 6620 settlements apply, CC 6678 allocates the amounts that were paid out.	All scheduling coordinators with Measured Demand

Post-market (continued)

Market segments	Type	CC#'s	When does it apply?	Who does it apply to?
Post-Market	Bid cost recovery	6630 (Day-Ahead Bid Cost Recovery Settlement)	When a resource's day-ahead operating costs are higher than its revenue.	All scheduling coordinators for supply

Administrative fees

Market segments	Type	CC#'s	When does it apply?	Who does it apply to?
Administrative fees	Grid management charges	4515 (Bid transaction fee)	Whenever bid segments within clean bids are submitted, including self-schedules. Settled daily.	All scheduling coordinators
		4575 (Scheduling coordinator ID charge)	Settled monthly to maintain status as an active customer, for any SC that received any market activity.	All scheduling coordinators
		4560 (Market Services Charge)	Applies to all MW that were awarded or scheduled.	All scheduling coordinators, except EIM
		4561 (Market Operations Charge)	Applies to all MW that flowed.	All scheduling coordinators, except EIM
	Forecast fee	701	When an outside consultant is required to forecast the need for certain specialty items, such as wind and solar resources.	All scheduling coordinators