Period must be disclosed to the ISO one (1) hour prior to the start of the Settlement Period.

SBP 5.1   **Content of Ancillary Services Schedules and Bids**

Ancillary Services in the Day-Ahead Market and the Hour-Ahead Market are comprised of the following: Regulation, Spinning Reserve, Non-Spinning Reserve and Replacement Reserve. Each Generating Unit, System Unit, Curtailable Demand or external import/export for which a SC wishes to submit Ancillary Services sSchedules and bids must meet the requirements set forth in the Ancillary Services Requirements Protocol (ASRP). For each Ancillary Service offered to the ISO auction or self-provided, SCs must include a bid price for Energy in the form of a staircase function composed of up to eleven (11) ordered pairs (i.e., ten (10) steps or price bands) of quantity/price information. These staircase functions must be either monotonically non-decreasing (Generating Units, System Units, and external imports of System Resources) or monotonically non-increasing (Curtailable Demands and external exports). The same resource capacity may be offered into more than one ISO Ancillary Service auction at the same time (the sequential evaluation of such multiple offers between Ancillary Services markets to eliminate double counting of capacity is described in the SP). In each category of Ancillary Service, the reference to "Revised" types of Schedules indicates a submittal which is part of a Revised Day-Ahead Schedule as described in the SP. Each of the following data sections can be submitted up to seven (7) days in advance. There is no provision for external imports/exports with regard to Ancillary Services bids, only self-provided Ancillary Services under Existing Contracts.. The functionality necessary to accept such bids does not exist in the ISO scheduling software.

SBP 5.1.1   **Regulation**

Each SC desiring to self-provide Regulation or to participate in the ISO's Regulation auction will submit the following information for each relevant Generating Unit or System Unit for each Settlement Period of the relevant Trading Day:

(a)   type of schedule: Regulation Ancillary Service (ANC_SRVC) or Revised Regulation Ancillary Service (REVISED_ANC_SRVC);

(b)   SC's ID code;

(c)   type of market (Day-Ahead or Hour-Ahead) and Trading Day;

SBP 5.1.2.2   **Spinning Reserve: External Imports/~~Exports~~**

Each SC desiring to <u>bid or</u> self-provide Spinning Reserve ~~using transmission service available to it under Existing Contracts~~ will submit the following information for each relevant external import/~~export~~ for each Settlement Period of the relevant Trading Day:

(a)   type of schedule: Spinning Reserve Ancillary Service (ANC_SRVC) or Revised Spinning Reserve Ancillary Service (REVISED_ANC_SRVC);

(b)   SC's ID code;

(c)   type of market (Day-Ahead or Hour-Ahead) and Trading Day;

(d)   Scheduling Point (the name);

(e)   interchange ID code (the name of the selling entity, buying entity and a numeric identifier);

(f)   external Control Area ID;

(g)   Schedule ID (NERC ID number);

(h)   complete WSCC tag;

(i)   preferred bid flag, which must be set to "NO", indicating a self-provided schedule, until such time as the ISO's scheduling system is able to support Ancillary Services bids from external imports/exports;

(j)   export flag, a "YES" indicates an external export and a "NO" indicates an external import;

(k)   ~~contract reference for the Existing Contract,~~ <u>in the case of Existing Contracts, the applicable contract reference number</u>;

(l)   Spinning Reserve capacity (MW);

(m)   ramp rate (MW/minute); and

(n)   bid price for Spinning Reserve Energy if called upon ($/MWh).

SBP 5.1.3   **Non-Spinning Reserve**

SBP 5.1.3.1   **Non-Spinning Reserve: Generating Units or System Units**

Each SC desiring to self-provide Non-Spinning Reserve or to participate in the ISO's Non-Spinning Reserve auction will submit the following information for each relevant Generating Unit or System Unit for each Settlement Period of the relevant Trading Day:

(h)   amount of Curtailable Demand that can be interrupted within ten (10) minutes following notification (MW);

(i)   bid price for Non-Spinning Reserve capacity ($/MW); and

(j)   bid price for Non-Spinning Reserve Energy if called upon ($/MWh).

SBP 5.1.3.3   **Non-Spinning Reserve: External Imports/~~Exports~~**

Each SC desiring to bid or self-provide Non-Spinning Reserve ~~using transmission service available to it under Existing Contracts~~ will submit the following information for each relevant external import/~~export~~ for each Settlement Period of the relevant Trading Day:

(a)   type of schedule: Non-Spinning Reserve Ancillary Service (ANC_SRVC) or Revised Non-Spinning Reserve Ancillary Service (REVISED_ANC_SRVC);

(b)   SC's ID code;

(c)   type of market (Day-Ahead or Hour-Ahead) and Trading Day;

(d)   Scheduling Point (the name);

(e)   interchange ID code (the name of the selling entity, buying entity and a numeric identifier);

(f)   external Control Area ID;

(g)   Schedule ID (NERC ID number);

(h)   complete WSCC tag;

(i)   preferred bid flag, which must be set to "NO", indicating a self-provided schedule;

(j)   export flag, a "YES" indicates an external export and a "NO" indicates an external import;

(k)   ~~contract reference for the Existing Contract~~; in the case of Existing Contracts, the applicable contract reference number;

(l)   time to synchronize following notification (less than ten (10) minutes mandatory);

(m)   Non-Spinning Reserve capacity (MW);

(n)   ramp rate (MW/minute); and

(o)   bid price for Non-Spinning Reserve Energy if called upon ($/MWh).

(c)   type of market (Day-Ahead or Hour-Ahead) and Trading Day;

(d)   Curtailable Demand ID code;

(e)   preferred bid flag, a "YES" indicates a bid and a "NO" indicates a self-provided schedule;

(f)   maximum allocation curtailment duration (hours) (CURT_HR);

(g)   time to reduction following notification (minutes);

(h)   amount of Curtailable Demand that can be interrupted within sixty (60) minutes following notification (MW);

(i)   Curtailable Demand reduction rate (MW/minute);

(j)   bid price for Replacement Reserve capacity ($/MW); and

(k)   bid price for Replacement Reserve Energy if called upon ($/MWh).

SBP 5.1.4.3   Replacement Reserve: External Imports

Each SC desiring to bid or self-provide Replacement Reserve using transmission service available to it under Existing Contracts will submit the following information for each relevant external import for each Settlement Period of the relevant Trading Day:

(a)   type of schedule: Replacement Reserve Ancillary Service (ANC_SRVC) or Revised Replacement Reserve Ancillary Service (REVISED_ANC_SRVC);

(b)   SC's ID code;

(c)   type of market (Day-Ahead or Hour-Ahead) and Trading Day;

(d)   Scheduling Point (the name);

(e)   interchange ID code (the name of the selling entity, buying entity and a numeric identifier);

(f)   external Control Area ID;

(g)   Schedule ID (NERC ID number);

(h)   complete WSCC tag;

(i)   preferred bid flag, which must be set to "NO", indicating a self-provided schedule, until such time as the ISO's scheduling system is able to support Ancillary Services bids from external imports;

(j)   contract reference for the Existing Contract, in the case of Existing Contracts, the applicable contract reference number;

(k)   time to synchronize following notification (less than sixty (60) minutes mandatory);

(l)   Replacement Reserve capacity (MW);

(m)   ramp rate (MW/minute); and

(n)   bid price for Replacement Reserve Energy if called upon ($/MWh).

SBP 5.2   Validation of Ancillary Services Bids

The ISO will verify that each Ancillary Services sSchedule or bid conforms to the format specified for the relevant service. If the Ancillary Services sSchedule or bid does not so conform, the ISO will send a notification to the SC notifying the SC of the errors in the sSchedules and/or bids. SCs will comply with the ISO Data Templates and Validation Rules document, which contains the validation criteria for Ancillary Services sSchedules and bids. Shown below are the two stages of validation carried out by the ISO:

SBP 5.2.1   Stage One Validation

During stage one validation, each incoming Ancillary Services schedule or bid will be validated to verify proper content, format and syntax. A technical validation will be performed to verify that a schedule or bid quantity of Regulation, Spinning Reserve, Non-Spinning Reserve or Replacement Reserve does not exceed the available capacity for Regulation, Operating Reserves and Replacement Reserve on the Generating Units, System Units, Curtailable Demands and external imports/exports scheduled or bid. The SC will be notified immediately through WEnet of any validation errors. For each error detected, an error message will be generated by the ISO in the SC's notification screen which will specify the nature of the error. The SC can then look at the notification messages to review the detailed list of errors, make changes, and resubmit if it is still within the timing requirements of the SP. The SC is also notified of successful validation via WEnet.

SBP 5.2.2   Stage Two Validation

Stage two validation will be conducted by the ISO in accordance with Appendix E of the ISO Tariff.