

***NOTE: All text highlighted in grey is unchanged from the Slice/Block Exhibit F.***

**Exhibit F  
SCHEDULING**

**1. SCHEDULING FEDERAL POWER**

«Customer Name» is responsible for scheduling all amounts of Slice Output Energy, Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement from the Scheduling Points of Receipt to their ultimate destination, and for creating associated electronic tags. «Customer Name» agrees to provide copies of such electronic tags to Power Services consistent with the requirements of this Exhibit F.

**2. COORDINATION REQUIREMENTS**

**2.1 Prescheduling**

«Customer Name» shall submit delivery schedules of Slice Output Energy, Tier 1 Block Amounts and Tier 2 Block Amounts to Power Services by 1100 Pacific Prevailing Time the day(s) on which prescheduling occurs, as specified by WECC. Preschedule electronic tags are due to Power Services in accordance with the parameters specified in section 4 of this exhibit.

**2.2 Real-Time Scheduling**

«Customer Name» shall have the right to submit new or modified schedules and electronic tags associated with deliveries of Slice Output Energy in real-time in accordance with the parameters specified in section 4 of this exhibit.

**2.3 After the Fact**

Power Services and «Customer Name» agree to reconcile all transactions, schedules and accounts at the end of each month (as early as possible within the first 10 calendar days of the next month). Power Services and «Customer Name» shall verify all transactions per this Agreement, as to product or type of service, hourly amounts, daily and monthly totals, and related charges.

**3. SLICE OUTPUT ENERGY SCHEDULING REQUIREMENTS**

3.1 Schedule submissions to Power Services will primarily be via Power Services approved electronic methods, which may include specific interfaces. However, other Power Services' agreed-upon submission methods (verbal, fax, etc.) are acceptable if electronic systems are temporarily not available. Transmission scheduling arrangements are handled under separate agreements/provisions with the designated transmission provider, and may not necessarily be the same requirements as Power Services' scheduling arrangements.

- 3.2 Schedules of Slice Output Energy submitted to Power Services by «Customer Name» shall comply with Delivery Limits established in the Slice Computer Application.
- 3.3 The timeline within which Power Services shall approve or deny «Customer Name»'s Delivery Requests, as represented by «Customer Name»'s electronic tags, shall conform to Power Services' then current preschedule and real-time scheduling guidelines as specified in section 4 of this exhibit.
- 3.3.1 For the purpose of approving requests for deliveries of Slice Output Energy, Power Services shall approve electronic tags, as described in section 3.3.2 below, that «Customer Name» submits to Power Services consistent with section 3.2 above prior to the applicable Power Services scheduling deadline, as specified in section 4 of this exhibit.
- 3.3.2 Electronic tags submitted to Power Service shall: (1) identify BPA as the generation providing entity, (2) identify «Customer Name» as first downstream purchasing-selling entity, (3) identify hourly energy amounts in MWh, and (4) maintain all data consistent with applicable industry standards.
- 3.3.3 Power Services shall have the sole discretion to accept or deny electronic tags that «Customer Name» submits to Power Services after the applicable Power Services' scheduling deadline set forth in section 4 of this exhibit, regardless of the reason for the late submission, and regardless of submission method (electronic, verbal, fax, etc.)
- 3.3.4 Changes to tagged energy amounts required by the Balancing Authority for maintaining system reliability, as determined by the responsible Balancing Authority, shall be implemented by Power Services and «Customer Name» at the time of such notification by the Balancing Authority.
- 3.4 «Customer Name» shall be responsible for verifying the sum of its hourly tagged and non-tagged (e.g., transmission loss schedules, etc., that are not tagged) energy amounts is equal to its Delivery Request, as described in section 7 of Exhibit M, for each Scheduling Hour.
- 3.4.1 «Customer Name» shall have the right to submit adjusted Customer Inputs to Power Services, pursuant to section 4.1 of this exhibit, in order to alter the associated Simulated Output Energy Schedules within established Delivery Limits, such that «Customer Name»'s Delivery Request is made equal to the sum of its tagged and non-tagged energy amounts for each Scheduling Hour.
- 3.4.2 For each Scheduling Hour, the amount «Customer Name»'s hourly tagged and non-tagged energy amount is in excess of its Delivery Request shall be subject to the UAI Charge for energy, and the

amount «Customer Name»'s hourly tagged and non-tagged energy amount is less than its Delivery Request shall be forfeited.

3.4.3 Electronic tag and Delivery Request mismatches that result from Balancing Authority reliability required actions shall not be subject to penalty if such required reliability action is implemented by the Balancing Authority less than 30 minutes prior to the start of the Scheduling Hour in which the mismatch occurs.

#### 4. SCHEDULING DEADLINES

##### 4.1 Customer Input Submission Deadline

«Customer Name» shall have until 15 minutes prior to the start of each Scheduling Hour to submit revised Customer Inputs to Power Services in order to affect the associated Simulated Output Energy Schedules for each such Scheduling Hour. Power Services shall have the sole discretion to reject for any reason «Customer Name»'s Customer Inputs associated with the upcoming Scheduling Hour that are submitted to Power Services after 15 minutes prior to the start of each such Scheduling Hour.

##### 4.2 Real-Time Electronic Tag Submission Deadline

Power Services shall approve electronic tags, as described in section 3.3.2 of this exhibit, that are consistent with section 3.2 of this exhibit and submitted to Power Services by «Customer Name» prior to the Power Services' scheduling deadline, which is 30 minutes prior to the start of each Scheduling Hour.

##### 4.3 Preschedule Electronic Tag Submissions

Unless otherwise mutually agreed, all «Customer Name» preschedule electronic tags will be submitted to Power Services according to NERC instructions and deadlines for electronic tagging, as specified or modified by the Balancing Authority and WECC.

#### 5. SCHEDULING OF DEDICATED RESOURCES

No later than 10 days following the end of each month, «Customer Name» agrees that it will electronically copy Power Services on all electronic tags that were created or modified during the previous month in association with the delivery of «Customer Name»'s Dedicated Resources, if any, listed in sections 2, 3, and 4 of Exhibit A.

*Option 1: Include the following if customer is NOT served by Transfer Service, and does NOT elect RSS.*

#### 6. REVISIONS

BPA may unilaterally revise this exhibit:

- (1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or
- (2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to «Customer Name», with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to «Customer Name» unless, in BPA's sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

*End Option 1*

*Option 2: Include the following if customer IS served by Transfer Service and does NOT elect RSS.*

**6. SPECIAL SCHEDULING PROVISIONS FOR TRANSFER CUSTOMERS**

BPA shall add special scheduling provisions to this Exhibit F prior to commencement of service to account for transfer arrangements.

**7. REVISIONS**

BPA may unilaterally revise this exhibit:

- (1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or
- (2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to «Customer Name», with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to «Customer Name» unless, in BPA's sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

*End Option 2*

*Option 3: Include the following if customer IS NOT served by Transfer Service and DOES elect RSS.*

**6 SCHEDULING RESOURCE SUPPORT SERVICES (RSS)**

«Customer Name» is responsible for scheduling all amounts of Resource Support Service such as Diurnal Flattening Service (DFS) and Forces Outage Reserves (FORS) purchased under this Agreement from the generation source to their Total Retail Load, and for creating and adjusting all associated electronic tags. «Customer Name» agrees to provide all copies of such electronic tags to Power Services consistent with the requirements of section 4.2 and 4.3 in Exhibit F for DFS, and section 2.4.4.1 in Exhibit D for FORS.

## 6.1 DFS and FORS COORDINATION REQUIREMENTS

### 6.1.1 DFS and FORS Prescheduling

«Customer Name» shall submit separate delivery schedules for each DFS and FORS amounts to Power Services by 1100 Pacific Prevailing Time the day(s) on which prescheduling occurs, as specified by WECC. Preschedule electronic tags are due to Power Services in accordance with the scheduling deadline parameters specified in section 4.3 of this exhibit.

### 6.1.2 DFS and FORS Real-Time Scheduling

«Customer Name» shall have the right to submit new or modified DFS and FORS delivery schedules and electronic tags associated with deliveries of DFS and FORS in real-time in accordance with the scheduling deadline parameters specified in section 4.2 of this exhibit for DFS, and section 4.2.2.1 in Exhibit D for FORS.

### 6.1.3 DFS and FORS After the Fact

Power Services and «Customer Name» agree to reconcile all transactions, for each DFS and FORS delivery schedules and accounts at the end of each month (as early as possible within the first 10 calendar days of the next month). Power Services and «Customer Name» shall verify all transactions per this Agreement, as to DFS and FORS service, hourly amounts, daily and monthly totals.

## 6.2 DFS and FORS SCHEDULING REQUIREMENTS

6.2.1 DFS and FORS delivery schedule submissions to Power Services will primarily be via Power Services approved electronic methods, which may include specific interfaces. However, other Power Services' agreed-upon submission methods (verbal, fax, etc.) are acceptable if electronic systems are temporarily not available. Transmission scheduling arrangements are handled under separate agreements/provisions with the designated transmission provider, and may not necessarily be the same requirements as Power Services' scheduling arrangements.

6.2.2 DFS and FORS delivery schedules submitted to Power Services by «Customer Name» shall comply with the specific resource shapes and amounts established in Exhibits A and D.

6.2.3 The timeline within which Power Services shall approve or deny each «Customer Name» DFS and FORS delivery schedules, as represented by «Customer Name» electronic tags, shall conform to Power Services' then current preschedule and real-time scheduling guidelines as specified in section 4.2 and 4.3 of this exhibit for DFS, and section 2.4.4.1 in Exhibit D for FORS.

6.2.4 DFS and FORS electronic tag submitted to Power Service shall:  
(1) identify the generation providing entity, (2) identify «Customer

**Name»** as the load sink, (3) identify hourly energy amounts in MWh, and (4) maintain all data consistent with applicable industry standards.

- 6.2.5 Power Services shall have the sole discretion to accept or deny DFS or FORS electronic tags that **«Customer Name»** submits to Power Services after the applicable Power Services' timelines and scheduling deadline set forth in section 4.2 and 4.3 of this exhibit for DFS and section 2.4.4.1 in Exhibit D for FORS, regardless of the reason for the late submission, and regardless of submission method (electronic, verbal, fax, etc.)
- 6.2.6 Changes to tagged energy amounts required by the Balancing Authority for maintaining system reliability, as determined by the responsible Balancing Authority, shall be implemented by Power Services and **«Customer Name»** at the time of such notification by the Balancing Authority.
- 6.2.7 **«Customer Name»** shall be responsible for verifying the sum of its hourly tagged and non-tagged energy amounts is equal to each of its DFS and FORS delivery schedule amounts.

## 7. REVISIONS

BPA may unilaterally revise this exhibit:

- (1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or
- (2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to **«Customer Name»**, with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to **«Customer Name»** unless, in BPA's sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

*End Option 3*

*Option 4: Include the following if customer IS served by Transfer Service and DOES elect RSS.*

## 6. SPECIAL SCHEDULING PROVISIONS FOR RSS

BPA shall add special scheduling provisions to this Exhibit F prior to commencement of service to account for transfer arrangements.

## 7. REVISIONS

BPA may unilaterally revise this exhibit:

- (1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or
- (2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to «Customer Name», with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to «Customer Name» unless, in BPA's sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

*End Option 4*