



## Daylight Savings Time (DST) Short-Day Information

The ISO transition from Pacific Daylight Saving Time to Pacific Standard Time on **March 13, 2011** will impact both User Interfaces and Automated Programming Interfaces associated to ISO Systems.

In preparation, the following information is provided the on the following systems to help ensure a smooth transition.

Scheduling Infrastructure Business Rules (SIBR)  
Automated Dispatching System (ADS)  
Participating Intermittent Resource Program (PIRP)  
CAISO Market Results Interface (CMRI)  
Open Access Same-time Information System (OASIS)  
ISO Settlements  
ISO Metering Implications

### **Scheduling Infrastructure Business Rules (SIBR)**

SIBR has both a UI and API that will reflect changes during the DST Transition from PDT to PST.

#### SIBR UI:

In the UI there will be no HE3:

DST20110313 - Label for HE19 is missing in Hourly Component Tab\*

DST TD20110313 Dropdown for the Hour Interval in Trades Hourly Detail Tab showing 3 (HE03) instead of 2 (HE02)

#### SIBR UI Copy function:

It should be noted that Bids and Trades Copy forward or Copy from do not function similarly on the UI.

For Bids/Schedules the copy to and copy from the short-day functionality is disabled on the UI because the time interval for a regular day has 24 hours, this can not be carried into the short-day because the period for the day is not complete in either case.

(Portfolios may be saved for Long or short-day use once bids have been submitted)

Trades process differently on the UI and although there is a Day-Ahead Trade it is unique to each hour of the day just like a Real Time Trade or Bid. This allows a copy into the short-day as well as a copy from the short-day



**NOTE on Copy to Short Day:** A Trade from a regular day copied into the short-day will not have HE24, it will contain 23 hours of Trade information but the HE3 from the previous day will show as the HE4 data and carry forward until HE24 which would show the HE23 data from the copied Trade.

**NOTE on Copy from Short Day:** A Trade from the short-day copied into a regular day will not have HE3 of the short-day, it will contain 23 hours of Trade information but will show HE1, HE2 and then HE4 data and carry forward until HE24.

SIBR API:

For all SIBR API submissions, the UTC (Universal Time Code) is the time format. It can be with just the UTC or there can be an offset identified.

Examples:

Bid **Start** time

`<startTime>2011-03-13T00:00:00.0-08:00</startTime>` -- with an offset

`<stopTime>2011-03-14T00:00:00.0-07:00</stopTime>`

`<marketType>DAM</marketType>`

Bid **Start** time

`<startTime>2011-03-13T08:00:00.000-00:00</startTime>` -- UTC

`<stopTime>2011-03-14T07:00:00.000-00:00</stopTime>`

`<marketType>DAM</marketType>`

Bid **IntervalStart/Stop** -- with the offset

`<BidSelfSched>`

`<timeIntervalStart>2011-03-13T00:00:00.0-08:00</timeIntervalStart>`

`<timeIntervalEnd>2011-03-13T01:00:00.0-08:00</timeIntervalEnd>` -- HE01

`<selfSchedMw>15.70</selfSchedMw>`

`</BidSelfSched>`

`<BidSelfSched>`

`<timeIntervalStart>2011-03-13T01:00:00.0-08:00</timeIntervalStart>`

`<timeIntervalEnd>2011-03-13T02:00:00.0-0800</timeIntervalEnd>` -- HE02

`<selfSchedMw>15.90</selfSchedMw>`



</BidSelfSched>

<BidSelfSched>

<timeIntervalStart>2011-03-13T03:00:00.0-07:00</timeIntervalStart>

<timeIntervalEnd>2011-03-13T04:00:00.0-07:00</timeIntervalEnd> -- HE4\* (NO HE3)

<selfSchedMw>15.90</selfSchedMw>

</BidSelfSched>

#### SIBR Reports (Self-Schedule Contracts Report):

No known issues.

#### Automated Dispatching System (ADS)

##### ADS Query Tool:

After the transition to DST on March 13, 2011, the ADS Query Tool will display days prior to March 13, 2011 in a DST time convention. Until the variance is resolved, the query tool is not able to display different time offsets depending on the date queried. This only impacts the times that are displayed on the query tool. Files that are saved from the query tool and data from the API are not impacted by this variance since all times are GMT.

##### ADS UI:

After the DST transition, the ADS trajectory plot displays the previous hour as HE3 rather than HE2. The trajectory displays the data in the correct chronological order, but the label in the graph does not skip HE3.

##### ADS API

The ADS API uses a GMT format, which is not impacted by the DST transition.

##### PIRP GUI and API

Forecast data will not include HE3; for example, the forecast sequence for 3/13 will be HE 1,2,4,5,6.

#### CAISO Market Results Interface (CMRI)

##### CMRI UI:

For all CMRI reports, there will be no HE3.



CMRI API:

For DAM reports, requests are submitted by tradeDateStart and tradeDateEnd; no special treatment is required for DST.

**Open Access Same-time Information System (OASIS)**

OASIS UI:

For all OASIS reports, there will be no HE3.

OASIS API:

OASIS API query requests will not return HE3.

ISO Settlements Implications:

Settlement Statement will not include HE3.

ISO Metering Implications

The ISO receives all Settlement Quality Meter Data (SQMD) in PST, year round. Therefore, there is no transition back to PST. However, please confirm and assure that all SQMD meter data continues to be submitted to the ISO in PST.

END