

Step-by-Step REST Examples for Settlements

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About this Document

The purpose of this document is to provide examples of the web service functionality available for managing Settlements.

The information is provided for learning and demonstration only and does not represent actual settlements or other factual event or account information.

An associated collection of sample XML files is available for download on the [DR Hub](#) home page.

Prior to calculating or downloading CBL results for a settlement, related meter data must be uploaded to DR Hub for the associated entity to be calculated. Please reference the Step by Step Meter Data documentation for uploading Meter Data.

A calculated CBL is required to submit a Settlement.

The below examples are demonstrated using the PJM provided CLI tool.

A note on uploading files to DR Hub. There are numerous approaches to uploading files to our RESTful web service, however we will demonstrate using the approach found in the PJM provided CLI tool.

When uploading files to DR Hub, the file must be attached to the request using a http compliant header form consistent with the multipart/form-data format. How file uploads are achieved is a function of the tools available to the user and the extent to which automation is required in the enterprise.

Release History

Release	Date	Description
1.0.0	July 14, 2016	Initial Document Created
2.0.0	November 10, 2016	November 17, 2016 Updated for Train Release.

Retrieve an existing Settlement by Id

This request returns the details for an existing settlement. The response will include the associated hourly information. This response is used in subsequent requests to make changes to the individual settlement(s).

<https://drhub.pjm.com/drhub/rest/secure/download/settlement/1449843>

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <settlement>
    <id>1800831</id>
    <summaryInfo>
      <eventDate>2016-08-11T00:00:00.000-04:00</eventDate>
      <settlementType>ECONOMIC ENERGY</settlementType>
      <startTime>2016-09-26T09:30:00.000-04:00</startTime>
      <endTime>2016-09-26T11:15:00.000-04:00</endTime>
      <CBLMethod>3 Day Types with SAA (DEFAULT)</CBLMethod>
      <validAsOfDate>2016-10-09T16:35:32.000-04:00</validAsOfDate>
      <validationStatus>Successful</validationStatus>
      <adjustment>false</adjustment>
      <status>INCOMPLETE</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>1618499</registrationId>
      <priceNode>PECO_RESID_AGG</priceNode>
      <name>DR Registration</name>
      <program>Economic</program>
      <CSP>
        <name>MYCSP</name>
      </CSP>
    </registrationInfo>
  </settlement>
</ns2:settlements>
```

```

    <EDC>
      <name>PE</name>
    </EDC>
    <LSE>
      <name>PE</name>
    </LSE>
    <zone>PECO</zone>
  </registrationInfo>
  <settlementInfo>
    <id>2526947</id>
    <eventHour>10</eventHour>
    <GMTHour>2016-09-26T13:00:00.000Z</GMTHour>
    <reductionHour>true</reductionHour>
    <marketType>RT Energy</marketType>
    <baseline>0</baseline>
    <load>0</load>
    <reduction>0</reduction>
    <lossFactor>1.0606</lossFactor>
    <scheduled>0</scheduled>
    <dispatched>250</dispatched>
  </settlementInfo>
  <totalInfo>
    <totalScheduled>0</totalScheduled>
    <totalDispatched>875</totalDispatched>
    <totalLoad>0</totalLoad>
    <totalCbl>0</totalCbl>
    <totalReduction>0</totalReduction>
    <averageRate>0</averageRate>
    <averageLoss>1.0606</averageLoss>
  </totalInfo>
  <otherInfo>
    <allowEDCtoModify>false</allowEDCtoModify>
    <comments>
      <comment>
        <username>GLENN</username>
        <timestamp>2016-10-09T15:41:53.000-04:00</timestamp>
        <commentDetails>This is a comment</commentDetails>
      </comment>
    </comments>
  </otherInfo>
</settlement>
</ns2:settlements>

```

Retrieve all Settlements for a Date Range

This request returns the details for all settlements across a range of dates. The response will include details of each settlement and the associated hourly information. This response may be used in subsequent requests to make desired changes to the individual settlement(s). Note the below includes settlements with any status. We will further filter by status in the next example.

<https://drhub.pjm.com/drhub/rest/secure/download/settlement?startDate=01-15-2016&stopDate=01-20-2016>

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1449843</id>
    <summaryInfo>
      <eventDate>2016-01-18T19:00:00.000-05:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>false</complianceOnly>
      <startTime>2016-01-19T06:01:00.000-05:00</startTime>
      <endTime>2016-01-19T16:01:00.000-05:00</endTime>
      <CBLMethod>Maximum Baseline</CBLMethod>
      <validAsOfDate>2016-07-22T14:02:24.701-04:00</validAsOfDate>
      <validationStatus>Successful</validationStatus>
      <adjustment>false</adjustment>
      <status>CONFIRMED</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>12345</registrationId>
      <priceNode></priceNode>
      <name>Big DR Site IV</name>
      <program>Load Management DR Full</program>
      <CSP>
        <name>MYCSP</name>
      </CSP>
      <EDC>
        <name>ENERGYCO</name>
      </EDC>
      <LSE>
        <name>ENERGYCO</name>
      </LSE>
      <zone>ENERGYCOCO</zone>
    </registrationInfo>
    <settlementInfo>
      <id>1543540</id>
      <eventHour>15</eventHour>
      <GMTHour>2016-01-19T17:00:00.000Z</GMTHour>
      <reductionHour>false</reductionHour>
      <marketType>Emergency</marketType>
      <baseline>0</baseline>
      <load>0</load>
      <reduction>0</reduction>
      <rate>80</rate>
      <lossFactor>1.0945</lossFactor>
      <scheduled>0</scheduled>
      <dispatched>0</dispatched>
      <DAPrice>0</DAPrice>
      <RTPrice>0</RTPrice>
    </settlementInfo>
    <totalInfo>
      <totalScheduled>0</totalScheduled>
      <totalDispatched>875</totalDispatched>
      <totalLoad>0</totalLoad>
    </totalInfo>
  </Settlement>
</ns2:settlements>
```

```
<totalCbl>0</totalCbl>
<totalReduction>0</totalReduction>
<averageRate>0</averageRate>
<averageLoss>1.0606</averageLoss>
</totalInfo>
<otherInfo>
  <allowEDCtoModify>false</allowEDCtoModify>
</otherInfo>
</Settlement>
<Settlement>
  <id>1449825</id>
  <summaryInfo>
    <eventDate>2016-01-17T16:00:00.000-05:00</eventDate>
    <settlementType>EMERGENCY_ENERGY</settlementType>
    <complianceOnly>false</complianceOnly>
    <startTime>2016-01-17T06:01:00.000-05:00</startTime>
    <endTime>2016-01-17T16:01:00.000-05:00</endTime>
    <CBLMethod>Maximum Baseline</CBLMethod>
    <validAsOfDate>2016-07-20T14:02:24.701-04:00</validAsOfDate>
    <validationStatus>Successful</validationStatus>
    <adjustment>false</adjustment>
    <status>INCOMPLETE</status>
  </summaryInfo>
  <registrationInfo>
    <registrationId>12345</registrationId>
    <priceNode></priceNode>
    <name>Big DR Site IV</name>
    <program>Load Management DR Full</program>
    <CSP>
      <name>MYCSP</name>
    </CSP>
    <EDC>
      <name>ENERGYCO</name>
    </EDC>
    <LSE>
      <name>ENERGYCO</name>
    </LSE>
    <zone>ENERGYCOCO</zone>
  </registrationInfo>
  <settlementInfo>
    <id>1543540</id>
    <eventHour>15</eventHour>
    <GMTHour>2016-01-19T19:00:00.000Z</GMTHour>
    <reductionHour>false</reductionHour>
    <marketType>Emergency</marketType>
    <baseline>0</baseline>
    <load>0</load>
    <reduction>0</reduction>
    <rate>80</rate>
    <lossFactor>1.0945</lossFactor>
    <scheduled>0</scheduled>
    <dispatched>0</dispatched>
    <DAPrice>0</DAPrice>
    <RTPrice>0</RTPrice>
  </settlementInfo>
```

```

    <totalInfo>
      <totalScheduled>0</totalScheduled>
      <totalDispatched>875</totalDispatched>
      <totalLoad>0</totalLoad>
      <totalCbl>0</totalCbl>
      <totalReduction>0</totalReduction>
      <averageRate>0</averageRate>
      <averageLoss>1.0606</averageLoss>
    </totalInfo>
    <otherInfo>
      <allowEDCtoModify>false</allowEDCtoModify>
    </otherInfo>
  </Settlement>
</ns2:settlements>

```

Retrieve all Settlements for a Date Range and Status

Using the below request we are able to repeat the last request and filter by Status. This response will only contain those settlements with a status of INCOMPLETE.

Other search status options include: NEW, INCOMPLETE, DENIED, CONFIRMED, EXPIRED, WITHDRAWN.

Note: Attempting to retrieve Settlement by Status without providing a date range (start and stop) will result in the data range being limited to the default limit of today-100.

<https://drhub.pjm.com/drhub/rest/secure/download/settlement?startDate=01-15-2016&stopDate=01-20-2016^status=INCOMPLETE>

Managing Settlements

Many Settlement actions are available through parameter based REST requests. Below we will review the available options for addressing each.

Making changes to a Settlement requires the target settlement to be uploaded with the appropriate changes. Where required, CSPs may upload the complete response from the settlement retrieval with the associated changes.

Below is an example of each action available for Settlements.

Where required, the file to be uploaded must be included in the request path.

See the PJMCLI documentation for additional detail on uploading attachments.

Note: The below actions require the appropriate access, account level and ownership to implement.

Denying a Settlement

This request will change the status of a settlement to Denied. The URL pattern requires that the specified settlement id is included in the path. The current implementation requires each denial request be submitted independently. A required parameter for denying a settlement is to add a comment for the denial.

To deny the below Settlement, the endpoint request would be...

<https://drhub.pjm.com/drhub/rest/secure/settlement/1449825/deny?comment=Wrong+EDC>

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1449840</id>
    <summaryInfo>
      <eventDate>2016-01-18T19:00:00.000-05:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>false</complianceOnly>
      <startTime>2016-01-19T06:01:00.000-05:00</startTime>
      <endTime>2016-01-19T16:01:00.000-05:00</endTime>
      <adjustment>false</adjustment>
      <status>PENDING</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>14478</registrationId>
      <priceNode></priceNode>
      <name>Example LM Registration</name>
      <program>Load Management DR Full</program>
      <CSP>
        <name>MYCSP</name>
      </CSP>
      <EDC>
        <name>MYEDC</name>
      </EDC>
      <LSE>
        <name>MYLESE</name>
      </LSE>
      <zone>PECO</zone>
    </registrationInfo>
  </Settlement>
</ns2:settlements>
```

The results of the denial will be returned in the response to the request . They may also be obtained by re-querying the settlement by Id.

<https://drhub.pjm.com/drhub/rest/secure/download/settlement/1449840>

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
```

```

<Settlement>
  <id>1449840</id>
  <summaryInfo>
    <eventDate>2016-01-18T19:00:00.000-05:00</eventDate>
    <settlementType>EMERGENCY_ENERGY</settlementType>
    <complianceOnly>false</complianceOnly>
    <startTime>2016-01-19T06:01:00.000-05:00</startTime>
    <endTime>2016-01-19T16:01:00.000-05:00</endTime>
    <adjustment>false</adjustment>
    <status>DENIED</status>
  </summaryInfo>
  <registrationInfo>
    <registrationId>14478</registrationId>
    <priceNode></priceNode>
    <name>Example LM Registration</name>
    <program>Load Management DR Full</program>
    <CSP>
      <name>MYCSP</name>
    </CSP>
    <EDC>
      <name>MYEDC</name>
    </EDC>
    <LSE>
      <name>MYLESE</name>
    </LSE>
    <zone>PECO</zone>
  </registrationInfo>
  <settlementInfo>
    <id>1543533</id>
    <eventHour>19</eventHour>
    <GMTHour>2016-01-19T23:00:00.000Z</GMTHour>
    <reductionHour>true</reductionHour>
    <marketType>Emergency</marketType>
    <baseline>0</baseline>
    <load>0</load>
    <reduction>0</reduction>
    <rate>1100</rate>
    <lossFactor>1.07</lossFactor>
    <scheduled>0</scheduled>
    <dispatched>234.5</dispatched>
    <DAPrice>0</DAPrice>
    <RTPrice>0</RTPrice>
  </settlementInfo>
  <totalInfo>
    <totalScheduled>0</totalScheduled>
    <totalDispatched>875</totalDispatched>
    <totalLoad>0</totalLoad>
    <totalCbl>0</totalCbl>
    <totalReduction>0</totalReduction>
    <averageRate>0</averageRate>
    <averageLoss>1.0606</averageLoss>
  </totalInfo>
  <otherInfo>
    <allowEDCtoModify>false</allowEDCtoModify>
    <comments>

```



```

        <comment>
          <username>GLENN</username>
          <timestamp>2016-02-04T15:45:40.000-04:00</timestamp>
          <commentDetails>Wrong EDC</commentDetails>
        </comment>
      </comments>
    </otherInfo>
  </Settlement>
</ns2:settlements>

```

Confirming a Settlement

This request will change the status of a settlement to Confirmed. The URL pattern requires that the specified settlement id be included in the path. The current implementation requires each confirmation request be submitted independently. An optional parameter exists to add a comment to the confirmation.

Note: A settlement must have a status of PENDING prior to confirming. Only approved sources may confirm a settlement.

To confirm the below Settlement, the endpoint request would be...

<https://drhub.pjm.com/drhub/rest/secure/settlement/1449725/confirm>

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1449725</id>
    <summaryInfo>
      <eventDate>2015-03-18T20:00:00.000-04:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>false</complianceOnly>
      <startTime>2015-03-19T13:00:00.000-04:00</startTime>
      <endTime>2015-03-19T13:45:00.000-04:00</endTime>
      <adjustment>false</adjustment>
      <status>PENDING</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>14254</registrationId>
      <priceNode></priceNode>
      <name>DR Test Site 4</name>
      <program>Load Management DR Full</program>
      <CSP>
        <name>MYCSP</name>
      </CSP>
      <EDC>
        <name>MYEDC</name>
      </EDC>
      <LSE>

```

```

        <name>MYEDC</name>
    </LSE>
    <zone>PECO</zone>
</registrationInfo>

```

The results of the confirmation will be returned in the response to the request . They may also be obtained by re-querying the settlement by Id.

<https://drhub.pjm.com/drhub/rest/secure/download/settlement/1449843>

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1449725</id>
    <summaryInfo>
      <eventDate>2015-03-18T20:00:00.000-04:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>false</complianceOnly>
      <startTime>2015-03-19T13:00:00.000-04:00</startTime>
      <endTime>2015-03-19T13:45:00.000-04:00</endTime>
      <adjustment>false</adjustment>
      <status>CONFIRMED</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>14254</registrationId>
      <priceNode></priceNode>
      <name>DR Test Site 4</name>
      <program>Load Management DR Full</program>
      <CSP>
        <name>ECONCT</name>
      </CSP>
      <EDC>
        <name>PE</name>
      </EDC>
      <LSE>
        <name>PE</name>
      </LSE>
      <zone>PECO</zone>
    </registrationInfo>
    <settlementInfo>
      <id>1543320</id>
      <eventHour>18</eventHour>
      <GMTHour>2015-03-19T21:00:00.000Z</GMTHour>
      <reductionHour>true</reductionHour>
      <marketType>Emergency</marketType>
      <baseline>0</baseline>
      <load>0</load>
      <reduction>0</reduction>
      <rate>1100</rate>
      <lossFactor>1.154264</lossFactor>
      <scheduled>0</scheduled>
    </settlementInfo>
  </Settlement>

```

```

        <dispatched>3691.63</dispatched>
        <DAPrice>0</DAPrice>
        <RTPrice>0</RTPrice>
    </settlementInfo>
    <totalInfo>
        <totalReduction>0</totalReduction>
        <averageRate>0</averageRate>
        <averageLoss>0</averageLoss>
    </totalInfo>
    <otherInfo>
        <allowEDCtoModify>true</allowEDCtoModify>
        <comments>
            <comment>
                <username>GLENN</username>
                <timestamp>2016-04-04T16:08:30.000-04:00</timestamp>
                <commentDetails>Great+Job</commentDetails>
            </comment>
        </comments>
    </otherInfo>
</Settlement>
</ns2:settlements>

```

Disputing a Settlement

This request will change the status of a settlement to Disputed. The URL pattern requires that the specified settlement id is included in the path. The current implementation requires each dispute request be submitted independently. A required parameter for disputing a settlement is to add a comment for the dispute.

Note: A settlement must have a status of DENIED prior to disputing.

To dispute the below Settlement, the endpoint request would be...

<https://drhub.pjm.com/drhub/rest/secure/settlement/1444919/dispute?comment=CSP+Disputed>

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1444919</id>
    <summaryInfo>
      <eventDate>2013-06-19T19:59:59.000-04:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>>false</complianceOnly>
      <startTime>2013-06-19T07:18:00.000-04:00</startTime>
      <endTime>2013-06-19T12:00:00.000-04:00</endTime>
      <adjustment>>false</adjustment>
      <status>DENIED</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>12501</registrationId>
    </registrationInfo>
  </Settlement>
</ns2:settlements>

```

```

<priceNode></priceNode>
<name>SUPER DR UNIT</name>
<program>Load Management DR Full</program>
<CSP>
  <name>MYCSP</name>
</CSP>
<EDC>
  <name>MYEDC</name>
</EDC>
<LSE>
  <name>MYLSE</name>
</LSE>
<zone>PPL</zone>
</registrationInfo>

```

The results of the dispute will be returned in the response to the request . They may also be obtained by re-querying the settlement by Id.

<https://drhub.pjm.com/drhub/rest/secure/download/settlement/1444919>

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1444919</id>
    <summaryInfo>
      <eventDate>2013-06-19T19:59:59.000-04:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>false</complianceOnly>
      <startTime>2013-06-19T07:18:00.000-04:00</startTime>
      <endTime>2013-06-19T12:00:00.000-04:00</endTime>
      <adjustment>false</adjustment>
      <status>DISPUTED</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>12501</registrationId>
      <priceNode></priceNode>
      <name>SUPER DR UNIT</name>
      <program>Load Management DR Full</program>
      <CSP>
        <name>MYCSP</name>
      </CSP>
      <EDC>
        <name>MYEDC</name>
      </EDC>
      <LSE>
        <name>MYLSE</name>
      </LSE>
      <zone>PPL</zone>
    </registrationInfo>
    <settlementInfo>
      <id>1531568</id>

```

```

    <eventHour>14</eventHour>
    <GMTHour>2013-06-19T17:00:00.000Z</GMTHour>
    <reductionHour>false</reductionHour>
    <marketType>Emergency</marketType>
    <baseline>52959</baseline>
    <load>43239</load>
    <reduction>41368</reduction>
    <rate>1800</rate>
    <lossFactor>1.002</lossFactor>
    <scheduled>0</scheduled>
    <dispatched>248.5</dispatched>
    <DAPrice>0</DAPrice>
    <RTPrice>0</RTPrice>
  </settlementInfo>
  <totalInfo>
    <totalReduction>221556</totalReduction>
    <averageRate>1800</averageRate>
    <averageLoss>1.002</averageLoss>
  </totalInfo>
  <otherInfo>
    <allowEDCtoModify>true</allowEDCtoModify>
    <comments>
      <comment>
        <username>GLENN</username>
        <timestamp>2016-08-04T16:43:26.000-04:00</timestamp>
        <commentDetails>CSP+Disputed</commentDetails>
      </comment>
    </comments>
  </otherInfo>
</Settlement>
</ns2:settlements>

```

Submitting a Settlement

This request will submit the target settlement for review. The URL pattern requires that the specified settlement id is included in the path. The current implementation requires each submission request be submitted independently. There are no additional parameters for submitting settlements.

Note: A Settlement must be in an incomplete, denied, or withdrawn status to submit. A settlement outside of the 60 day event window may not be submitted. Additionally a successful CBL calculation must be completed within 60 minutes of submitting.

To submit the below Settlement, the endpoint request would be...

<https://drhub.pjm.com/drhub/rest/secure/settlement/1444099/submit>

Settlement Submission Response

Below is an example of the response from a successful Submission. Note the status change to the Settlement – it is now PENDING. Settlement Info hours have been limited for brevity.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1449949</id>
    <summaryInfo>
      <eventDate>2016-07-05T00:00:00.000-04:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>false</complianceOnly>
      <startTime>2016-07-04T21:00:00.000-04:00</startTime>
      <endTime>2016-07-05T23:59:59.000-04:00</endTime>
      <CBLMethod>Standard (WD high 4 of 5, Sat, Sun/Hol high 2 of 3)
with Symmetric Additive Adjustment</CBLMethod>
      <validAsOfDate>2016-08-09T10:47:00.000-04:00</validAsOfDate>
      <validationStatus>Successful</validationStatus>
      <adjustment>false</adjustment>
      <status>PENDING</status>
    </summaryInfo>
    <registrationInfo>
      <registrationId>14316</registrationId>
      <priceNode></priceNode>
      <name>DR Test Site 3</name>
      <program>Load Management DR Full</program>
      <CSP>
        <name>MYCSP</name>
      </CSP>
      <EDC>
        <name>MYEDC</name>
      </EDC>
      <LSE>
        <name>MYLSE</name>
      </LSE>
      <zone>PECO</zone>
    </registrationInfo>
    <settlementInfo>
      <id>1543772</id>
      <eventHour>16</eventHour>
      <GMTHour>2016-06-15T19:00:00.000Z</GMTHour>
      <reductionHour>true</reductionHour>
      <marketType>Emergency</marketType>
      <baseline>19002</baseline>
      <load>75723</load>
      <reduction>285</reduction>
      <rate>1000</rate>
      <lossFactor>1.06186</lossFactor>
      <scheduled>0</scheduled>
      <dispatched>584.57</dispatched>
      <DAPrice>0</DAPrice>
      <RTPrice>0</RTPrice>
    </settlementInfo>
    <totalInfo>
      <totalReduction>285</totalReduction>
      <averageRate>1000</averageRate>
    </totalInfo>
  </Settlement>
</ns2:settlements>
```

```

        <averageLoss>1.06186</averageLoss>
    </totalInfo>
    <otherInfo>
        <allowEDCtoModify>true</allowEDCtoModify>
        <comments>
            <comment>
                <username>DRUSER</username>
                <timestamp>2016-07-21T20:00:00.000-04:00</timestamp>
                <commentDetails>Your Comment</commentDetails>
            </comment>
        </comments>
    </otherInfo>
</Settlement>
</ns2:settlements>

```

Modifying a Settlement

This request will modify the target settlement . The current implementation requires each modification request to be submitted independently. Modifications require the XML file containing the settlement to be attached and uploaded with the request. Please review PJM’s CLI documentation for further information on uploading files.

Note: A Settlement must be in incomplete status to modify.

PJM CLI Command File: Required Authentication is completed via the CLI

REM Modify a Settlement

```
%CLIENT% -s %APP_URL% -a /rest/secure/upload/settlement/modify/ -file
.\upload\modify_settlement.xml
```

In the below example we have modified the reduction hour (true, false) Note the field restrictions on modifications.

```

<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<ns2:settlements xmlns:ns2="http://drhub.pjm.com/">
  <Settlement>
    <id>1449843</id>
    <summaryInfo>
      <eventDate>2016-01-18T19:00:00.000-05:00</eventDate>
      <settlementType>EMERGENCY_ENERGY</settlementType>
      <complianceOnly>>false</complianceOnly>
      <startTime>2016-01-19T06:01:00.000-05:00</startTime>
      <endTime>2016-01-19T16:01:00.000-05:00</endTime>
      <CBLMethod>Maximum Baseline</CBLMethod>
      <validAsOfDate>2016-07-22T14:02:24.701-04:00</validAsOfDate>
      <validationStatus>Successful</validationStatus>
      <adjustment>true</adjustment>
      <status>INCOMPLETE</status>
    </summaryInfo>
  </Settlement>
</ns2:settlements>

```

```
<!-- Changes permitted while the settlement status is incomplete -->
</summaryInfo>
<registrationInfo>
  <registrationId>14434</registrationId>
  <priceNode></priceNode>
  <name>Lancair DR III</name>
  <program>Load Management DR Full</program>
  <CSP>
    <name>MYCSP</name>
  </CSP>
  <EDC>
    <name>MYEDC</name>
  </EDC>
  <LSE>
    <name>MYLSE</name>
  </LSE>
  <zone>PECO</zone>
</registrationInfo>
<settlementInfo>
  <id>1543540</id>
  <eventHour>15</eventHour>
  <!-- Cannot be modified -->
  <GMTHour>2016-01-19T19:00:00.000Z</GMTHour>
  <!-- Cannot be modified -->
  <reductionHour>true</reductionHour>
  <!-- Changes Permitted to first two reduction hours only -->
  <!-- Changes Limited to Emergency Energy Settlement Types -->
  <marketType>Emergency</marketType>
  <!-- Cannot be modified -->
  <baseline>200</baseline>
  <!-- Cannot be modified -->
  <load>200</load>
  <!-- Cannot be modified -->
  <reduction>200</reduction>
  <!-- Cannot be modified -->
  <rate>800</rate>
  <!--Cannot be modified -->
  <lossFactor>1.96</lossFactor>
  <!-- Cannot be modified -->
  <scheduled>1</scheduled>
  <!-- Cannot be modified -->
  <dispatched>555</dispatched>
  <!-- Cannot be modified -->
  <DAPrice>90</DAPrice>
  <!-- Cannot be modified -->
  <RTPrice>90</RTPrice>
  <!-- Cannot be modified -->
</settlementInfo>
```