

# API Portal

- GET da\_hrl\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/da\_hrl\_lmps-Metadata?&pattern=lmp)
- GET da\_hrl\_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/da\_hrl\_lmps-Search?&pattern=lmp)
- POST da\_hrl\_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/da\_hrl\_lmps-Search-POST?&pattern=lmp)
- GET five\_min\_itsced\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/five\_min\_itsced\_lmps-Metadata?&pattern=lmp)
- GET five\_min\_itsced\_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/five\_min\_itsced\_lmps-Search?&pattern=lmp)
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- GET ftr\_cong\_lmp Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/ftr\_cong\_lmp-Metadata?&pattern=lmp)
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- GET mnt\_ftr\_zonal\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/mnt\_ftr\_zonal\_lmps-Metadata?&pattern=lmp)
- GET mnt\_ftr\_zonal\_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/mnt\_ftr\_zonal\_lmps-Search?&pattern=lmp)
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- GET rt\_da\_monthly\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_da\_monthly\_lmps-Metadata?&pattern=lmp)

GET rt\_da\_monthly\_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_da\_monthly\_lmps-Search?&pattern=lmp)

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GET rt\_fivemin\_hrl\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_fivemin\_hrl\_lmps-Metadata?&pattern=lmp)

GET rt\_fivemin\_hrl\_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_fivemin\_hrl\_lmps-Search?&pattern=lmp)

POST rt\_fivemin\_hrl\_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_fivemin\_hrl\_lmps-Search-POST?&pattern=lmp)

GET rt\_fivemin\_mnt\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_fivemin\_mnt\_lmps-Metadata?&pattern=lmp)

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GET rt\_unverified\_fivemin\_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_unverified\_fivemin\_lmps-Metadata?&pattern=lmp)

GET rt\_unverified\_fivemin\_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_unverified\_fivemin\_lmps-Search?&pattern=lmp)

POST rt\_unverified\_fivemin\_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_unverified\_fivemin\_lmps-Search-POST?&pattern=lmp)

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POST rt\_unverified\_hrl\_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt\_unverified\_hrl\_lmps-Search-POST?&pattern=lmp)

GET `unverified_five_min_lmps Metadata (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/unverified_five_min_lmps-Metadata?&pattern=lmp)`

GET `unverified_five_min_lmps Search (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/unverified_five_min_lmps-Search?&pattern=lmp)`

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# Data Miner 2 Web API

[API definition](#)

API change history (`/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/releaseChanges`)

Access Data Miner data directly via common web technologies.

## rt\_fivemin\_mnt\_lmps Search

Searches the Settlements Verified Five Minute LMPs feed. This feed contains the verified five minute Real-Time LMPs for aggregate and zonal pnodes used in settlements. The load weighted average transmission zone and residual aggregate prices provided in the daily LMPs are estimates only. Transmission zone prices and residual aggregate prices used in PJM accounting are not final until five PJM business days after the end of the month. This is due to the differences between the State Estimator load bus distributions and the final Real-Time load bus distributions required for the actual calculation of the Real-Time Zonal and Residual aggregate LMPs which are posted in the monthly LMP files. While individual pnode LMPs do not change during the verification process, but the transmission zone and residual aggregate prices may. Note that while Data Miner 2 will make available any data that has been calculated by PJM Settlements, there are occasionally delays in the settlements process that may cause a delay in data availability.

Try it (`/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt_fivemin_mnt_lmps-Search/console`)

### Request

#### Request URL

`https://api.pjm.com/api/v1/rt_fivemin_mnt_lmps[?download][&rowCount][&sort][&order][&startRow][&isActiveMetadata][&fields][&datetime_beginning_utc][&datetime_beginning_ept][&pnode_id][&pnode_name][&voltage][&equipment][&type][&zone]`

### Request parameters

#### download (optional)

boolean

Determines how results should be returned.

When true, only the results will be returned, no links or search criteria will be echoed. Additionally, the total count will be returned in the HTTP Header X-TotalRows, a Content-Disposition header will be added triggering browsers to show a Save prompt, and the rowCount argument becomes optional. Note that there are still limits on the maximum rows that may be returned and, if that threshold is crossed, a 400 response will be returned.

#### rowCount (optional)

integer

Format - int64. Specifies the maximum number of results to include in the search result. This is required if any other parameters are specified. Maximum is 50,000.

---

**sort** (optional)

string

Specifies the name of the field to sort on. Allowed values for this feed are:datetime\_beginning\_utc, datetime\_beginning\_ept, pnode\_id, pnode\_name, zone

---

**order** (optional)

string

Specifies the direction to sort the field on.

Allowed values are: "asc" for ascending or "desc" for descending order. The default value is "asc".

---

**startRow** (optional)

integer

Format - int64. Specifies the one-based number of the first record in the search results to be returned. This is one-based, so 1 is the smallest value allowed and will return the very first record. This is required if any other parameters are specified.

---

**isActiveMetadata** (optional)

boolean

Gets or sets a value indicating whether [active metadata only].

---

**fields** (optional)

string

Specifies the list of field names to retrieve in the form of a CSV list. Allowed values for this feed are:datetime\_beginning\_utc, datetime\_beginning\_ept, pnode\_id, pnode\_name, voltage, equipment, type, zone, system\_energy\_price\_rt, total\_imp\_rt, congestion\_price\_rt, marginal\_loss\_price\_rt

---

**datetime\_beginning\_utc** (optional)

string

Restricts results to those that have a 'Datetime Beginning UTC' which falls inside the specified date range. Allowed values are: Today, CurrentHour, CurrentWeek, CurrentMonth, CurrentYear, Yesterday, LastHour, LastWeek, LastMonth, LastYear, Tomorrow, NextWeek, NextMonth, NextYear, 15SecondsAgo, 5MinutesAgo, 1MonthAgo, 4MonthsAgo, 6MonthsAgo, [date-value] to [date-value]. The date-value range should be within 366 days. The date-value should include the date and time component. Example: yyyy-MM-dd HH:mm to yyyy-MM-dd HH:mm. Please refer to the API Guide on [www.pjm.com](http://www.pjm.com) page for additional detail on the date parameter.

---

**datetime\_beginning\_ept** (optional)

string

Restricts results to those that have a 'Datetime Beginning EPT' which falls inside the specified date range. Allowed values are: Today, CurrentHour, CurrentWeek, CurrentMonth, CurrentYear, Yesterday, LastHour, LastWeek, LastMonth, LastYear, Tomorrow, NextWeek, NextMonth, NextYear, 15SecondsAgo, 5MinutesAgo, 1MonthAgo, 4MonthsAgo, 6MonthsAgo, [date-value] to [date-value]. The date-value range should be within 366 days. The date-value should include the date and time component. Example: yyyy-MM-dd HH:mm to yyyy-MM-dd HH:mm. Please refer to the API Guide on [www.pjm.com](http://www.pjm.com) page for additional detail on the date parameter.

---

**pnode\_id** (optional)

number

Restricts results to those that match the specified value in the 'Pricing Node ID' field. This performs an exact, numerical match.

---

**pnode\_name** (optional)

string

Restricts results to those that contain the specified value in the 'Pricing Node Name' field. This performs a partial, case-insensitive match.

---

**voltage** (optional)

string

Restricts results to those that contain the specified value in the 'Voltage' field. This performs a partial, case-insensitive match.

---

**equipment** (optional)

string

Restricts results to those that contain the specified value in the 'Equipment' field. This performs a partial, case-insensitive match.

---

**type** (optional)

string

Restricts results to those that contain the specified value in the 'Pricing Node Type' field. This performs a partial, case-insensitive match.

---

**zone** (optional)

string

Restricts results to those that contain the specified value in the 'Transmission Zone' field. This performs a partial, case-insensitive match. Allowed values are: EXTERNAL.

---

## Request headers

---

**Ocp-Apim-Subscription-Key**

string

Subscription key which provides access to this API. Found in your Profile (/developer).

## Request body

---

## Responses

---

### 200 OK

Successful searches will return the matching feed items, the search criteria used, paging information, and links to related resources.

## Representations

application/json

text/json

application/xml

text/xml

text/csv

Sample

Schema

```
{
  "links": [
    {
      "rel": "string",
      "href": "string"
    }
  ],
  "items": [
    {}
  ],
  "searchSpecification": {
    "rowCount": 100,
    "order": "Asc",
    "startRow": 1,
    "isActiveMetadata": true,
    "fields": [],
    "filters": []
  },
  "totalRows": 0
}
```

---

## 400 Bad Request

The search specification provided is invalid.

### Representations

application/json

text/json

application/xml

text/xml

text/csv

Sample

Schema

```
{
  "errors": [
    {
      "field": "string",
      "message": "string",
      "detail": [
        "string"
      ]
    }
  ],
  "feedMetadata": {
    "id": 0,
    "feedId": "string",
    "name": "string",
    "displayName": "string",
    "description": "string",
    "category": "string",
    "firstAvailable": "string",
    "version": "string",
    "internalName": "string",
    "defaultSearchJson": "string",
    "fileLoadingMethod": "string",
    "postingFrequency": "string",
    "postingDay": "string",
    "retentionTime": "string",
    "lastDataLoad": "string",
    "lastDataLoadEst": "string",
    "isFrequentlyAccessed": true,
    "enableArchiving": true,
    "archiveCutoffDays": 0,
    "publishDate": "string",
    "created": "string",
    "updated": "string",
    "repostNotifications": [
      {
        "id": 0,
        "feedMetadataId": 0,
        "publishDate": "string",
        "content": "string",
        "created": "string",
        "updated": "string"
      }
    ],
    "columns": [
      {
        "id": 0,
        "feedMetadataId": 0,
        "dataType": "String",
        "filterType": "Input",
        "displayName": "string",
        "fieldName": "string",
        "enableFiltering": true,
        "enableArchiveFiltering": true,
        "enableSorting": true,
        "ordinalPosition": 0,
        "isVisible": true,
        "width": 0,
        "description": "string",
```

```
    "displayFormat": "string",
    "filterUiLocation": "Inline",
    "created": "string",
    "updated": "string",
    "isActive": true
  }
],
"links": [
  {
    "rel": "string",
    "href": "string"
  }
],
"timeDurationUnit": 0,
"timeDurationIncrement": 0,
"categoryOrdinal": 0,
"feedProductType": 0
},
"code": "string",
"message": "string",
"activityId": "string",
"timestamp": "string",
"detailedMessage": "string"
}
```

## 404 Not Found

The specified feed could not be found.

### Representations

[application/json](#)[text/json](#)[application/xml](#)[text/xml](#)[text/csv](#)

Sample      Schema

```
{
  "data": "string",
  "code": "string",
  "message": "string",
  "activityId": "string",
  "timestamp": "string",
  "detailedMessage": "string"
}
```

## 406 Not Acceptable

Unsupported encoding in Accept header.

### Representations

[application/json](#)[text/json](#)[application/xml](#)[text/xml](#)[text/csv](#)

Sample      Schema



```
{
  "data": "string",
  "code": "string",
  "message": "string",
  "activityId": "string",
  "timestamp": "string",
  "detailedMessage": "string"
}
```

## 500 Internal Server Error

An unexpected error has occurred, please try the request again later.

## Representations

application/json

text/json

application/xml

text/xml

text/csv

Sample

Schema

```
{
  "code": "string",
  "message": "string",
  "activityId": "string",
  "timestamp": "string",
  "detailedMessage": "string"
}
```

## Code samples

Curl

C#

Java

JavaScript

ObjC

PHP

Python

Ruby

@ECHO OFF

```
curl -v -X GET "https://api.pjm.com/api/v1/rt_fivemin_mnt_lmps?download={boolean}&rowCount={integer}&sort={string}&order={string}&startRow={integer}&isActiveMetadata={boolean}&fields={string}&datetime_beginning_utc={string}&datetime_beginning_ept={string}&pnode_id={number}&pnode_name={string}&voltage={string}&equipment={string}&type={string}&zone={string}"
-H "Ocp-Apim-Subscription-Key: {subscription key}"

--data-ascii "{body}"
```

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Feedback (<mailto:ToolsRefresh@pjm.com>)