

My Tools (<https://tools.pjm.com/>) | [Who We Are / Contact Us](https://tools.pjm.com/who-we-are/contact-us.aspx) | [Help](https://tools.pjm.com/help.aspx) (<https://tools.pjm.com/help.aspx>) | [Markets and Operations / Etools / Data Miner 2](https://tools.pjm.com/markets-and-operations/etools/data-miner-2.aspx) (<https://tools.pjm.com/markets-and-operations/etools/data-miner-2.aspx>)

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)

POST five_min_itsced_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/five_min_itsced_lmps-Search-POST?&pattern=lmp)

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

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

POST ftr_cong_lmp Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/ftr_cong_lmp-Search-POST?&pattern=lmp)

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)

POST mnt_ftr_zonal_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/mnt_ftr_zonal_lmps-Search-POST?&pattern=lmp)

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)

POST rt_da_monthly_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt_da_monthly_lmps-Search-POST?&pattern=lmp)

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)

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

POST rt_fivemin_mnt_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt_fivemin_mnt_lmps-Search-POST?&pattern=lmp)

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

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

POST rt_hrl_lmps Search post (/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/rt_hrl_lmps-Search-POST?&pattern=lmp)

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)

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

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

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)

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

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.

da_hrl_lmps Search

Searches the Day-Ahead Hourly LMPs feed. This feed contains hourly Day-Ahead Energy Market locational marginal pricing (LMP) data for all bus locations, including aggregates. RSS Notification for this feed contains Market Day. To enhance the performance of current data queries and to better handle the increasing volume, PJM has implemented an archiving solution for this posting. The archived data is still available, but has slightly less flexibility on querying parameters than the more recent data does. The details of the restrictions and expected results for several filter combinations are detailed in the <https://pjm.com/markets-and-operations/etools/data-miner-2.aspx>. Data for this feed is archived after two years.

[Try it \(/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/da_hrl_lmps-Search/console\)](/docs/services/9eb1ee98-d2bd-4ca0-a1c9-4a0df3413160/operations/da_hrl_lmps-Search/console)

Request

Request URL

[https://api.pjm.com/api/v1/da_hrl_lmps\[?download\]\[&rowCount\]\[&sort\]\[&order\]\[&startRow\]\[&isActiveMetadata\]\[&fields\]\[&datetime_beginning_utc\]\[&datetime_beginning_ept\]\[&pnode_id\]\[&voltage\]\[&equipment\]\[&type\]\[&zone\]\[&row_is_current\]\[&version_nbr\]](https://api.pjm.com/api/v1/da_hrl_lmps[?download][&rowCount][&sort][&order][&startRow][&isActiveMetadata][&fields][&datetime_beginning_utc][&datetime_beginning_ept][&pnode_id][&voltage][&equipment][&type][&zone][&row_is_current][&version_nbr])

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_ept, pnode_id, 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_da, total_imp_da, congestion_price_da, marginal_loss_price_da, row_is_current, version_nbr

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 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 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.

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: AECO, AEP, APS, ATSI, BGE, COMED, CPL, DAY, DEOK, DOM, DPL, DUKE, DUQ, EKPC, EXTERNAL, JCPL, METED, PECO, PENELEC, PEPCO, PPL, PSEG, RECO, OVEC.

row_is_current (optional)

string

Restricts results to those that contain the specified value in the 'Latest Version' field. This performs a partial, case-insensitive match. Allowed values are: FALSE, TRUE.

version_nbr (optional)

number

Restricts results to those that match the specified value in the 'Version Number' field. This performs an exact, numerical match.

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
}
```

The search specification provided is invalid.

```
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/da_hrl_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}&voltage={string}&equipment={string}&type={string}&zone={string}&row_is_current={string}&version_nbr={number}"  
-H "Ocp-Apim-Subscription-Key: {subscription key}"  
  
--data-ascii "{body}"
```

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