



API & RSS GUIDE

Updated 5/17/2024, S. Hall

As a user with “DataDownload” permission, use the API or RSS interfaces to perform machine-to-machine data fetches.

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OVERVIEW

The MomentumEI application programming interface (API) enables a user computer to automatically fetch data from the MomentumEI.com database. MEI also provides an RSS feed as an alternative technology.

Since the user does not logon, a different security model is used for both the API and RSS interfaces. Each user has a unique API key that is used as part of the URL. In addition, the special “DataDownload” permission must be granted to the user.

Your API key is shown on the Manage Profile page (click your logged-in username in main menu):

Manage Profile

Account Actions

- [Change Password](#)
- [Confirm Phone +15039102948](#)

API Key

You have the "DataDownload" permission so you can use the API, RSS feed, and on the Search page you can use the "Download as CSV" feature.

To use the API or RSS feed you must specify your personal API Key (please do not share!):

JQJPM
/EU3PBJ

Note: the API Key will change if you change your password.



API

API functions are used for machine-to-machine data downloads. All API functions require an API key which is unique for each login user. Your API key is displayed on your Manage Profile screen if you have the required *DataDownload* permission.

- Data Dictionary: <https://momentumei.com/publicGuides/DataDictionary.pdf>
- Sample JSON result file: [Sample File](#)
- Sample XML result file: [Sample file](#)
- Sample CSV result file: [Sample file](#)
- ApiEvents Xml Schema: <https://momentumei.com/apiSamples/ApiEvents.xsd>

1. AllTarEvents

Get all TAR events (any status).

[your-API-key] parameter = (see your profile page).

[format] parameter = JSON (default), XML, or CSV.

[https://momentumei.com/api/v1/AllTarEvents/\[your-API-key\]/\[format\]](https://momentumei.com/api/v1/AllTarEvents/[your-API-key]/[format])

2. TarEventsChangedSinceLastRequest

Get all TAR events updated or created after your last access date.

Set your last access date by calling one of the Tar event APIs:

'AllTarEvents', 'CurrentTarEvents', or 'RecentlyChangedTarEvents'.

[your-API-key] parameter = (see your profile page).

[format] parameter = JSON (default), XML, or CSV.

[https://momentumei.com/api/v1/TarEventsChangedSinceLastAccess/\[your-API-key\]/\[format\]](https://momentumei.com/api/v1/TarEventsChangedSinceLastAccess/[your-API-key]/[format])

3. CurrentTarEvents

Get TAR events with status "Ongoing".

[your-API-key] parameter = (see your profile page).

[format] parameter = JSON (default), XML, or CSV.

[https://momentumei.com/api/v1/CurrentTarEvents/\[your-API-key\]/\[format\]](https://momentumei.com/api/v1/CurrentTarEvents/[your-API-key]/[format])

4. FutureTarEvents

Get TAR events with status "Future".

[your-API-key] parameter = (see your profile page).

[format] parameter = JSON (default), XML, or CSV.

[https://momentumei.com/api/v1/FutureTarEvents/\[your-API-key\]/\[format\]](https://momentumei.com/api/v1/FutureTarEvents/[your-API-key]/[format])

5. RecentlyChangedTarEvents

Get TAR events updated in past X days.

[your-API-key] parameter = (see your profile page).

[days] parameter default = 7.

[format] parameter = JSON (default), XML, or CSV.

[https://momentumei.com/api/v1/RecentlyChangedTarEvents/\[your-API-key\]/\[days\]/\[format\]](https://momentumei.com/api/v1/RecentlyChangedTarEvents/[your-API-key]/[days]/[format])



6. **SearchEvents**

Advanced Search for events using specified filters.

[your-API-key] parameter = (see your profile page).

[format] parameter = JSON (default), XML, or CSV.

[https://momentumei.com/api/v1/SearchEvents/\[your-API-key\]/\[format\]?\[somefilterparm=someval\]&\[other parms...\]&sort=\[sortvalue\]](https://momentumei.com/api/v1/SearchEvents/[your-API-key]/[format]?[somefilterparm=someval]&[other parms...]&sort=[sortvalue])

See appendices below for supported filter parameter values.

RSS

RSS feeds are available for users to subscribe to.

1. **CurrentTarEventsRss**

This feed lists an overview of the ongoing TAR events with links to specific event details. Note results may be limited by the user's dataplan.

[https://momentumei.com/api/v1/CurrentTarEventsRss/\[your-API-key\]](https://momentumei.com/api/v1/CurrentTarEventsRss/[your-API-key])

[Sample RSS feed \(xml\)](#)

[Sample Event Detail \(xml\)](#)



APPENDIX A – FILTER PARAMETERS

1. RangeBegin

Default if not specified: None, results are not filtered by Start Dates after...

Example: baseUrl?[somefilterparm=someval]&rangeBegin=1/2/2024

2. RangeEnd

Default if not specified: None, results are not filtered by Start Dates prior to...

Example: baseUrl?[somefilterparm=someval]&rangeEnd=2/3/2025

3. RegionCodes

Default if not specified: ALL, results are not filtered by Region Code.

Listed below in groups: Padd, State, and Country.

Example: baseUrl?[somefilterparm=someval]®ionCodes=PADD-2,STATE-TX

4. RegionCodes - PADD

<i>Padd Title</i>	<i>Padd Code</i>
East Coast	PADD-1
MidWest	PADD-2
Gulf Coast	PADD-3
Rocky Mtns	PADD-4
West Coast and Hawaii	PADD-5

5. RegionCodes - STATE

a. New England (Padd 1A) States

<i>State Title</i>	<i>State Code</i>
Connecticut	STATE-CT
Maine	STATE-ME
Massachusetts	STATE-MA
New Hampshire	STATE-NH
Rhode Island	STATE-RI
Vermont	STATE-VT

b. Central Atlantic (Padd 1B) States

<i>State Title</i>	<i>State Code</i>
Ddelaware	STATE-DE
Maryland	STATE-MD
New Jersey	STATE-NJ
New York	STATE-NY
Pennsylvania	STATE-PA

c. Lower Atlantic (Padd 1C) States

<i>State Title</i>	<i>State Code</i>
Florida	STATE-FL
Georgia	STATE-GA
North Carolina	STATE-NC
South Carolina	STATE-SC



Virginia	STATE-VA
West Virginia	STATE-WV

d. Padd-2 States

<i>State Title</i>	<i>State Code</i>
Illinois	STATE-IL
Indiana	STATE-IN
Iowa	STATE-IA
Kansas	STATE-KS
Kentucky	STATE-KY
Michigan	STATE-MI
Minnesota	STATE-MN
Missouri	STATE-MO
Nebraska	STATE-NE
North Dakota	STATE-ND
Ohio	STATE-OH
Oklahoma	STATE-OK
South Dakota	STATE-SD
Tennessee	STATE-TN
Wisconsin	STATE-WI

e. Padd-3 States

<i>State Title</i>	<i>State Code</i>
Alabama	STATE-AL
Arkansas	STATE-AR
Louisiana	STATE-LA
Mississippi	STATE-MS
New Mexico	STATE-NM
Texas	STATE-TX

f. Padd-4 States

<i>State Title</i>	<i>State Code</i>
Colorado	STATE-CO
Idaho	STATE-ID
Montana	STATE-MT
Utah	STATE-UT
Wyoming	STATE-WY

g. Padd-5 States

<i>State Title</i>	<i>State Code</i>
Alaska	STATE-AK
Arizona	STATE-AZ
California	STATE-CA
Hawaii	STATE-HI
Nevada	STATE-NV
Oregon	STATE-OR



Washington	STATE-WA
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6. RegionCodes - COUNTRIES

<i>Country Title</i>	<i>Country Code</i>
Canada	COUNTRY-CANADA
Mexico	COUNTRY-MEXICO

7. EventTypeCodes

Default if not specified: ALL, results are not filtered by Event Type.

Example: `baseUrl?[somefilterparm=someval]&eventTypeCodes=TAR-U,TAR-P`

<i>EventType Title</i>	<i>EventType Code</i>
Planned	TAR-P
Unplanned	TAR-U
Capital	CAP
Maintenance	MAINT

8. EventStatusCodes

Default if not specified: ALL, results are not filtered by Event Status.

Example: `baseUrl?[somefilterparm=someval]&eventStatusCodes=TAR-O,TAR-F`

<i>EventStatus Title</i>	<i>EventStatus Code</i>
Future	TAR-F
Ongoing	TAR-O
Past	TAR-P
Cancelled	TAR-CN
Conceptual	CAP
Maint	MAINT-M

9. UnitGroupCodes

Default if not specified: ALL, results are not filtered by Event Status.

Example: `baseUrl?[filterparm=someval]&unitGroupCodes=ALKY,COKER`

<i>UnitGroup Title</i>	<i>UnitGroup Code</i>
Coker	COKER
Crude	CRUDE
Alkylation	ALKY
FCCU	FCCU
Hydrocracker	HYDRO
Reformer	REFORM



APPENDIX B – SORT PARAMETER

1. Sort

Default if not specified: event-start-desc

Example: `baseurl?[filterparm=someval]&sort=event-name-asc`

<i>Sort Column</i>	<i>Sort Parameter Ascending</i>	<i>Sort Parameter Descending</i>
Range Begin	event-start-asc	event-start-desc
Range End	event-end-asc	event-end-desc
Event Name	event-name-asc	event-name-desc
PADD Region	padd-asc	padd-desc
State Abbreviation	state-asc	state-desc
Plant Name	plant-name-asc	plant-name-desc
Unit Type	unit-type-asc	unit-type-desc