



DATA DICTIONARY

Updated 7/7/2024, S. Hall

As a user with “DataDownload” permission, using the Search “Save as CSV” or the API interfaces generates a report with the following data fields:

1. EVENT (ApiEvent)

1.1. ConfirmationDate

The date MEI confirmed this event.

Json example: 2024-01-25T09:47:53.8821065-08:00

Xml example: 2024-01-22T00:00:00

CSV example: 02/12/2027 00:00:00

1.2. EventComment

Notes from MEI analyst.

Example: 2027 TAR

1.3. CreateDate

The date MEI first entered this event into the database.

Json example: 2023-08-30T09:47:53.8821065-08:00

Xml example: 2023-08-30T12:54:24.723

CSV example: 08/30/2023 00:00:00

1.4. DurationDays

Number of days between event start/kickoff and event end/completion.

Example: 35

1.5. EndDate

Completion date for capital and maintenance events. End date for planned and unplanned downtime events.

Json example: 2027-03-18T09:47:53.8821065-08:00

Xml example: 2027-03-18T00:00:00

CSV example: 03/18/2027 00:00:00

1.6. EstValueMusd

Estimated value in millions of US dollars (\$M USD).

Optional: Only defined for Capital and Maintenance events.

Example: 123.4

Examples when not defined:

- Json: null
- Xml: <EstValueMusd xmlns:p4="http://www.w3.org/2001/XMLSchema-instance" p4:nil="true"/>
- CSV:



1.7. EventId

Internal MEI unique identifier for this event.

Example: 123

1.8. EventType

The event type title.

- Capital
- Maint
- Planned
- Unplanned

1.9. EventStatus

The event status title which are grouped by event type.

- Capital Events
 - 1-Conceptual
 - 2-Feasibility
 - 3-Prelim Design
 - 4-Detail Design
 - 5-Construction
 - 6-Completed
 - 7-On Hold
 - 8-Canceled Conceptual
 - 8-Canceled Construction
 - 8-Canceled Detail Design
 - 8-Canceled Feasibility
 - 8-Canceled Prelim Design
 - 9-Canceled
- Maint Events
 - 1-Future
 - 2-Ongoing
 - 3-Past
 - 4-Rescheduled
 - 5-Canceled
- Planned and Unplanned Events
 - 1-Future
 - 2-Ongoing
 - 3-Past
 - 4-Canceled

1.10. LastUpdated

The date MEI most recently changed something about this event.

Json example: 2024-01-22T11:44:15.9471065-08:00

Xml example: 2024-01-22T11:44:15.947

Csv example: 01/22/2024 11:44:15



- 1.11. EventName
Descriptive name for this event.
Example: 2027.02 Turnaround
 - 1.12. Scope
Optional: Only defined for Capital and Maintenance events.
Example: Owner revamp of 100k bbl day topper 3 to increase diesel yield.
 - 1.13. StartDate
Kickoff date for capital and maintenance events. Start date for planned and unplanned downtime events.
Example: 2027-02-12T00:00:00
-

2. PLANT (ApiPlant)

- 2.1. CapacityBbls
Total daily capacity for this plant which includes all units hosted there, in barrels.
Example: 238000
- 2.2. City
Plant address city.
Example: Port Arthur
- 2.3. Company
Asset owner.
Example: TotalEnergies
- 2.4. Country
2-character international country codes.
Example: US, MX, CA
- 2.5. County
Plant address county.
Example: Jefferson
- 2.6. Latitude
Plant location decimal latitude.
Example: 29.9624007
- 2.7. Longitude
Plant location decimal longitude.
Example: -93.89293500000001
- 2.8. PlantName
Descriptive name of this plant.
Example: Port Arthur Refinery



2.9. PlantPhone

Front desk phone.

Example: (610) 364-8000

2.10. PADD

Only for US locations, groups of states defined by the EIA: Petroleum Administration for Defense Districts.

- PADD-1: East Coast
- PADD-2: Midwest
- PADD-3: Gulf Coast
- PADD-4: Rock Mountain
- PADD-5: West Coast, AK, HI.

Allowed: NONE, PADD-1, PADD-2, PADD-3, PADD-4, PADD-5

2.11. State

Within the US, 2-character postal code.

Note: Other countries may have greater than 2-character state codes.

Example: TX

2.12. StreetAddress

Plant street address.

Example: 7600 32nd St

3. UNIT (ApiUnit)

3.1. UnitName

Descriptive name of this unit.

Example: Delayed Coker

1.1. UnitCapacityBbls

Daily capacity of this unit in barrels.

Example: 55500

1.1. PercentRateCuts

A measure of degraded capacity for this unit when a unit is not completely offline.

Example: 25 (a 25% degradation is equivalent to 75% of normal capacity).

1.2. UnitGroup

Descriptive name of categories MEI uses to group types of units.

- Crude: Condensate Splitter, Crude Distillation Unit
- Reformer: CCR Reformer, Semi-Regen Reformer
- Hydrocracker: Distillate Hydrocracker, Lube Oil Hydrocracker, Resid Hydrocracker
- Coker: Delayed Coker, Fluid Coker, ROSE, Thermal Coker, Visbreaker
- FCCU: FCCU, Resid FCCU
- Alkylation: HF Alky, Sulfuric Alky
- Other: Other



Allowed: Crude, Reformer, Hydrocracker, Coker, FCCU, Alkylation, Other