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## DATA DICTIONARY

Updated 3/20/2024, 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:

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### 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 allowed event types are the friendly names for the MEI internal codes.
- TAR-U: Unplanned
  - TAR-P: Planned
  - CAP: Capital Spending
  - MAINT: Maint Spending
- Allowed: Unplanned, Planned, Capital Spending, Maint Spending
- 1.9. **EventStatus**  
The allowed event statuses are the friendly names for the MEI internal codes.
- TAR-F: Future
  - TAR-O: Ongoing
  - TAR-P: Past
  - TAR-C: Cancelled
  - CAP-C: Conceptual
  - MAINT-M: Maint
- Allowed: Future, Ongoing, Past, Cancelled, Conceptual, Maint
- 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

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## 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

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### 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