## AMI Meter Event

The GE sample file contains the first two rows from the SCE sample file.

|  |  |  |
| --- | --- | --- |
| GE Column Name | SCE Column Name | Notes |
| tenant | n/a | Set to “SCE” |
| name | mtr\_evnt\_id |  |
| mRID\_Meter | ESN |  |
| eventtypeName | mtr\_evnt\_catgry\_name |  |
| eventtypeDescription | n/a | Leave blank |
| domain | n/a | Set to “METER” or “NIC” based on the source of the event. |
| eventOrAction | mtr\_evnt\_type\_desc |  |
| subDomain | n/a | Set to “EVENT” for power outage/restoration events. |
| type | n/a | Leave blank |
| createdDateTime | utc\_mtr\_evnt\_dttm |  |
| statusValue | n/a | Set to “Received” |
| statusDateTime | pst\_received\_dttm | Convert to |
| activityType | n/a | Leave blank |
| activitySeverity | n/a | Leave blank |
| activityReason | n/a | Leave blank |
| source | n/a | Set to “AMI” |

## AMI Interval Reading

The AMI Interval Reading table should aggregate multiple reading intervals of the same type from the same meter into a single row. The GE sample file contains two rows that are aggregates of the first 48 rows from the SCE sample file (24 intervals per row). Our recommendation is to provide all intervals of a given type/meter in a single row.

|  |  |  |
| --- | --- | --- |
| GE Column Name | SCE Column Name | Notes |
| tenant | n/a | Set to “SCE” |
| intervalsStart | Voltage\_Reads\_DTTM\_UTC | From the start of the first interval |
| intervalsEnd | Voltage\_Reads\_DTTM\_UTC | From the end of the last interval |
| mRID\_Meter | ESN |  |
| unit | n/a | Set to “Vavg” when Voltage\_type represents an average voltage over the interval. We can provide additional values if other types of readings are provided. |
| unitSource | Voltage\_Type |  |
| flowDirection | n/a | Set to “F” |
| measurementKind | n/a | Set to “V:AVG” when the measurement represents an average voltage. We can provide additional values if other types of readings are provided. |
| phases | n/a | Set to phase letter when known (e.g. Vh\_a = A, Vh\_b = B, Vh\_c = C); otherwise leave blank. |
| source | n/a | Set to “AMI” |
| intervals | n/a | Set to the number of intervals |
| intervalStart | Voltage\_Reads\_DTTM\_UTC | Array of interval start timestamps |
| intervalEnd | Voltage\_Reads\_DTTM\_UTC | Array of interval end timestamps |
| intervalValue | Voltage\_Measure | Array of interval values |
| intervalQuality | n/a | Leave blank |

## OMS Outage

The OMS Outage file includes a row for each unique outage based on the mRID. For SCE, we will use a combination of the INCIDENT\_ID and LOCATION\_ID to form the unique mRID for an outage. The SCE sample data provides three unique outages based on this definition (shown in GE-OMS-Outage-sample.csv).

|  |  |  |
| --- | --- | --- |
| GE Column Name | SCE Column Name | Notes |
| tenant | n/a | Set to “SCE” |
| mRID | INCIDENT\_ID-LOCATION\_ID | Concatenate the two fields with a “-“ separator between fields (e.g. “122186365-2032938603”) |
| name | INCIDENT\_ID |  |
| aliasName | n/a | Leave blank |
| description | n/a | Leave blank |
| mRID\_TrippedEquipment | UPSTREAM\_DEVICE |  |
| class\_TrippedEquipment | n/a | Leave blank |
| actualPeriodStart | OUTAGE\_START | Start/end timespan for the unique outage/location |
| actualPeriodEnd | OUTAGE\_END |  |
| cause | TBD | Cause code with separate lookup table |
| isPlanned | n/a | Set to false |
| criticalCount | n/a | Leave blank |
| totalCount | n/a | Leave blank |
| type | n/a | Leave blank |
| statusValue | n/a | Leave blank |
| statusDateTime | n/a | Leave blank |
| stormId | n/a | Leave blank |
| stormIndicator | n/a | Leave blank |
| phase | n/a | Leave blank |
| feederId | CIRCT\_NAM |  |
| comment | n/a | Leave blank |
| district | n/a | Leave blank |
| region | n/a | Leave blank |
| jurisdiction | n/a | Leave blank |
| substation | SUBST\_NAM |  |
| address | n/a | Leave blank |
| longitude | TBD | Location of outage or tripped equipment if available. |
| latitude | TBD |
| modifiedTimeStamp | n/a | Set to current timestamp |
| rowState | n/a | Set to “I” |

## OMS Outage Equipment

The OMS Outage Equipment table includes for each unique outage, a row for each impacted equipment (transformer). The GE sample data (GE-OMS-Outage-Equipment-sample.csv) has one row for each row of the SCE sample data.

|  |  |  |
| --- | --- | --- |
| GE Column Name | SCE Column Name | Notes |
| tenant | n/a | Set to “SCE” |
| mRID\_Outage | INCIDENT\_ID-LOCATION\_ID | Concatenate the two fields with a “-“ separator between fields (e.g. “122186365-2032938603”) |
| mRID\_Equipment | TRANSFORMER |  |
| actualPeriodStart | OUTAGE\_START |  |
| actualPeriodEnd | OUTAGE\_END |  |
| cause | n/a | Leave blank |
| isTrippedEquipment | n/a | Set to false |
| modifiedTimeStamp | n/a | Set to current timestamp |
| rowState | n/a | Set to “I” |