

DOCKETED

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OIR-21-03 MIDAS issues as of 2022-01-28

MIDAS database may cause harm to public.

See Details below.

Additional submitted attachment is included below.

OIR-21-03 MIDAS issues as of 2022-01-28

MIDAS database may cause harm to public.

No API call for LSE Holiday table.

Result: Possible harm to public due to no access through MIDAS for holiday dates when ValueData DayEnd field is "Holiday".

These MIDAS API calls return records of the wrong SignalType.

API call <https://midasapi.energy.ca.gov/api/ValueData?SignalType=1>
Correct SignalType record is "Rates".

USCA-FLEX-FXFC-0000	Flex Alerts
USCA-FLEX-FXRT-0000	Flex Alerts
USCA-SGIP-SGFC-BANC	Greenhouse Gas Emissions
USCA-SGIP-SGFC-IID	Greenhouse Gas Emissions
USCA-SGIP-SGFC-LADWP	Greenhouse Gas Emissions
USCA-SGIP-SGFC-NVENERGY	Greenhouse Gas Emissions
USCA-SGIP-SGFC-PACW	Greenhouse Gas Emissions
USCA-SGIP-SGFC-PGE	Greenhouse Gas Emissions
USCA-SGIP-SGFC-SCE	Greenhouse Gas Emissions
USCA-SGIP-SGFC-SDGE	Greenhouse Gas Emissions
USCA-SGIP-SGFC-SMUD	Greenhouse Gas Emissions
USCA-SGIP-SGFC-TID	Greenhouse Gas Emissions
USCA-SGIP-SGFC-WALC	Greenhouse Gas Emissions
USCA-SGIP-SGRT-BANC	Greenhouse Gas Emissions
USCA-SGIP-SGRT-IID	Greenhouse Gas Emissions
USCA-SGIP-SGRT-LADWP	Greenhouse Gas Emissions
USCA-SGIP-SGRT-NVENERGY	Greenhouse Gas Emissions
USCA-SGIP-SGRT-PACW	Greenhouse Gas Emissions
USCA-SGIP-SGRT-PGE	Greenhouse Gas Emissions
USCA-SGIP-SGRT-SCE	Greenhouse Gas Emissions
USCA-SGIP-SGRT-SDGE	Greenhouse Gas Emissions
USCA-SGIP-SGRT-SMUD	Greenhouse Gas Emissions
USCA-SGIP-SGRT-TID	Greenhouse Gas Emissions
USCA-SGIP-SGRT-WALC	Greenhouse Gas Emissions

API call <https://midasapi.energy.ca.gov/api/ValueData?SignalType=2>
Correct SignalType record is "Greenhouse Gas Emissions".

USCA-FLEX-FXFC-0000	Flex Alerts
USCA-FLEX-FXRT-0000	Flex Alerts

API call <https://midasapi.energy.ca.gov/api/ValueData?SignalType=3>
Correct SignalType record is "Flex Alerts".

USCA-SGIP-SGFC-BANC	Greenhouse Gas Emissions
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USCA-SGIP-SGFC-IID	Greenhouse Gas Emissions
USCA-SGIP-SGFC-LADWP	Greenhouse Gas Emissions
USCA-SGIP-SGFC-NVENERGY	Greenhouse Gas Emissions
USCA-SGIP-SGFC-PACW	Greenhouse Gas Emissions
USCA-SGIP-SGFC-PGE	Greenhouse Gas Emissions
USCA-SGIP-SGFC-SCE	Greenhouse Gas Emissions
USCA-SGIP-SGFC-SDGE	Greenhouse Gas Emissions
USCA-SGIP-SGFC-SMUD	Greenhouse Gas Emissions
USCA-SGIP-SGFC-TID	Greenhouse Gas Emissions
USCA-SGIP-SGFC-WALC	Greenhouse Gas Emissions
USCA-SGIP-SGRT-BANC	Greenhouse Gas Emissions
USCA-SGIP-SGRT-IID	Greenhouse Gas Emissions
USCA-SGIP-SGRT-LADWP	Greenhouse Gas Emissions
USCA-SGIP-SGRT-NVENERGY	Greenhouse Gas Emissions
USCA-SGIP-SGRT-PACW	Greenhouse Gas Emissions
USCA-SGIP-SGRT-PGE	Greenhouse Gas Emissions
USCA-SGIP-SGRT-SCE	Greenhouse Gas Emissions
USCA-SGIP-SGRT-SDGE	Greenhouse Gas Emissions
USCA-SGIP-SGRT-SMUD	Greenhouse Gas Emissions
USCA-SGIP-SGRT-TID	Greenhouse Gas Emissions
USCA-SGIP-SGRT-WALC	Greenhouse Gas Emissions

Result: Possible harm to public when queries are run that provide incorrect data.

These MIDAS RIN data domains have values not in lookup tables

Data domain: distribution

USCA-FLEX-FXFC-0000	Flex Alerts	FL
USCA-FLEX-FXRT-0000	Flex Alerts	FL
USCA-SGIP-SGFC-BANC	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-IID	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-LADWP	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-NVENERGY	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-PACW	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-PGE	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-SCE	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-SDGE	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-SMUD	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-TID	Greenhouse Gas Emissions	SG
USCA-SGIP-SGFC-WALC	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-BANC	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-IID	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-LADWP	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-NVENERGY	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-PACW	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-PGE	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-SCE	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-SDGE	Greenhouse Gas Emissions	SG

USCA-SGIP-SGRT-SMUD	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-TID	Greenhouse Gas Emissions	SG
USCA-SGIP-SGRT-WALC	Greenhouse Gas Emissions	SG

Data domain: energy

USCA-FLEX-FXFC-0000	Flex Alerts	EX
USCA-FLEX-FXRT-0000	Flex Alerts	EX

Result: Possible harm to public when database system fails to enforce data domains.

In: MIDAS "ValueData" alldata Table for fields that shall not allow nulls (nillable="false") contain blanks:

Field: "ValueName" is blank for these RINs:

USCA-PGPG-E19S-0000	Rates	in 14 records
USCA-SCSC-T013-0000	Rates	in 16 records
USCA-SCSC-T014-0000	Rates	in 16 records
USCA-SCSC-T015-0000	Rates	in 16 records
USCA-SCSC-T018-0000	Rates	in 12 records
USCA-SCSC-T020-0000	Rates	in 16 records
USCA-SCSC-T021-0000	Rates	in 16 records
USCA-SCSC-T022-0000	Rates	in 17 records
USCA-SCSC-T023-0000	Rates	in 17 records
USCA-SCSC-T026-0000	Rates	in 16 records
USCA-SCSC-T027-0000	Rates	in 16 records
USCA-SCSC-T033-0000	Rates	in 17 records
USCA-SCSC-T034-0000	Rates	in 17 records
USCA-SCSC-T038-0000	Rates	in 16 records
USCA-SCSC-T045-0000	Rates	in 17 records
USCA-SCSC-T046-0000	Rates	in 17 records
USCA-SCSC-T054-0000	Rates	in 16 records
USCA-SCSC-T055-0000	Rates	in 16 records
USCA-SCSC-T056-0000	Rates	in 16 records
USCA-SDSD-EVT1-0000	Rates	in 26 records
USCA-SDSD-EVT2-0000	Rates	in 26 records
USCA-SDSD-EVT5-0000	Rates	in 26 records
USCA-SDSD-TDR1-0000	Rates	in 9 records
USCA-SDSD-TDR2-0000	Rates	in 3 records
USCA-SDSD-TDRP-0000	Rates	in 10 records
USCA-SDSD-TOA1-0000	Rates	in 8 records
USCA-SDSD-TOA2-0000	Rates	in 18 records
USCA-SDSD-TOA3-0000	Rates	in 17 records
USCA-SMSM-GS3P-0000	Rates	in 14 records
USCA-SMSM-GS3S-0000	Rates	in 14 records
USCA-SMSM-GST1-0000	Rates	in 14 records

USCA-SMSM-GST2-0000 Rates in 14 records
USCA-SMSM-TOD5-0000 Rates in 9 records

Result: Possible harm to public when database system fails to ensure essential fields are not blank.

In: MIDAS "ValueData" realtime Table for fields that shall not allow nulls (nillable="false") contain blanks:

Field: "ValueName" is blank for these RINs:

USCA-SMSM-TOD5-0000 Rates in 1 record

Result: Possible harm to public when database system fails to ensure essential fields are not blank.

Steve Uhler
sau@wwmpd.com