

```

    version-major:1
    version-minor:0
    version-fix:0
    <?xml version='1.0' encoding='utf-8' ?>

```

```

<datasource formatted-name='oracle.41068.504282800925' inline='true' version='8.1'
xmlns:user='http://www.tableausoftware.com/xml/user'>
  <connection class='dataengine' dbname='oracle_41068_504282800925.tde'>
    <relation name='Extract' table='[Extract].[Extract]' type='table' />
    <calculations>
      <calculation column='[Number of Records]' formula='1' />
    </calculations>
  </connection>
  <aliases enabled='yes' />
  <column caption='Category' datatype='string' name='[CATEGORY]' role='dimension' type='nominal'>
  </column>
  <column caption='GHG Elec' datatype='real' name='[GHG_ELEC]' role='measure' type='quantitative'>
  </column>
  <column caption='GHG Gas' datatype='real' name='[GHG_GAS]' role='measure' type='quantitative'>
  </column>
  <column caption='GHG Total' datatype='real' name='[GHG_TOTAL]' role='measure' type='quantitative'>
  </column>
  <column datatype='integer' name='[Number of Records]' role='measure' type='quantitative' user:auto-
column='numrec'>
    <calculation class='tableau' formula='1' />
  </column>
  <column caption='Total kWh' datatype='real' name='[TOTAL_KWH]' role='measure' type='quantitative'>
  </column>
  <column caption='Total therms' datatype='real' name='[TOTAL_THM]' role='measure'
type='quantitative'>
  </column>
  <column caption='TOT City' datatype='string' name='[TOT_CITY]' role='dimension' semantic-
role='[City].[Name]' type='nominal'>
  </column>
  <column datatype='string' name='[TOT_COUNTY]' role='dimension' semantic-role='[County].[Name]'
type='nominal'>
  </column>
  <column caption='Year' datatype='string' name='[YEAR]' role='dimension' type='nominal'>
  </column>
  <layout dim-ordering='alphabetic' dim-percentage='0.5' measure-ordering='alphabetic' measure-
percentage='0.4' show-structure='true' />
  <semantic-values>
    <semantic-value key='[Country].[Name]' value='&quot;United States&quot;' />
  </semantic-values>
</datasource>

```

```

    key . data
    key . dict
    value . dict
    AREA2
    Non-Residential Residential

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□♪ p♪ J 2005J 2006J 2007J 2008J 2009J 2010J 201
1J 2012□ ♪ ♪
□+ ♀ AREA . 1 . data
AREA . dict
+ CATEGORY . 1 . data □
♪ CATEGORY . dict 0
J
♪ GHG _ ELEC . data H ♪
GHG _ GAS . data p♂ ♂ ♪ GHG _ TOTAL
. data +♀ *♀ + Number of
Records . 1 . data @♀ Z♀ ♪ TOTAL _ KWH
. data □ ♪ TOTAL _ THM . data
+ TOT _ CITY . 1 . data
M ♪ TOT _ CITY . dict
□ ↑ TOT _ COUNTY . 1 . data + ♪ + T
OT _ COUNTY . dict @♂ Z♂ ♀ YEAR . 1 . da
ta p♂ ♪
YEAR . dict ♪ ˘
□ \$ Tableau Metadata J x
□ Extract □ ◀

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data-file: COLUMNPROPS_ID.data
datatype: index
factory: builtin
fixed: true
name: COLUMNPROPS_ID
not-null: not-null
size: 8
type: oid
type-file: COLUMNPROPS_ID.type

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8	.	8	j	~	j	~	B	@	Q
8	.	8	j	~	@	j	~	Q	
8	(8	<	R	j	~	B	@	Q
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8	.	8	j	~	@	j	~	Q	
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8	(8	<	R	j	~	B	@	Q
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8	.	8	j	~	@	j	~	Q	
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職 T \$L 上 丿 □
謀 ♀ '2005' ♀ '2012' '<?xml'

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version = \ ' 1 . 0 \ ' encoding = \ ' utf - 8 \ '  
? > \ n \ n < data source formatted -  
name = \ ' oracle . 4 1 0 6 8 . 5 0 4 2 8 2 8 0 0 9 2 5 \ '  
inline = \ ' true \ '  
versio ↑ ' ALAMEDA ' ♯ ' AREA 2 ' ¶ ' BERKELEY ' "  
' Non - Residential ' → ' Residential '  
' tds ' 丿 0 丿 1 丿 10 - 100 □ 1020 $ 104990 . 4058786  
1744 ¶ 1073741823 - 127 - 128 $ 141398 . 6074  
5123832 丿 15 丿 16 $ 168423 . 56705837793 ↑ 175  
136679 + 19783064 丿 2 $ 240629 . 6320420938  
1 - 255 丿 3 " 31948 . 11712646285 丿 32 丿 4 丿 40 - 4  
00 $ 406473 . 35599968251 ¶ 4294967292 + 453  
41204 丿 5 - 508 ↑ 584090917 丿 6 丿 60 丿 7 丿 8 丿 9 □ A  
REA T AREA . 1 . data T AREA . 1 . dict ↑ AREA . da  
ta ↑ AREA . dict + CATEGORY CATEGORY . 1 . da  
ta CATEGORY . 1 . dict → CATEGORY . data → C  
ATEGORY . dict $ COLUMNPROPS _ ACTIVE . CO  
LUMNPROPS _ ACTIVE . data . COLUMNPROPS _  
ACTIVE . type COLUMNPROPS _ ID & COLUMN  
PROPS _ ID . data & COLUMNPROPS _ ID . type C  
OLUMNPROPS _ KEY ( COLUMNPROPS _ KEY . da  
ta ( COLUMNPROPS _ KEY . dict ( COLUMNPROP  
S _ KEY . type $ COLUMNPROPS _ PARENT . COL  
UMNPROPS _ PARENT . data . COLUMNPROPS _ P  
ARENT . type " COLUMNPROPS _ VALUE , COLU  
MNPROPS _ VALUE . data , COLUMNPROPS _ VAL  
UE . dict , COLUMNPROPS _ VALUE . type COL  
UMNS _ ACTIVE & COLUMNS _ ACTIVE . data & CO  
LUMNS _ ACTIVE . type ¶ COLUMNS _ ID COLU  
MNS _ ID . data COLUMNS _ ID . type ↑ COLUMNS  
_ NAME " COLUMNS _ NAME . data " COLUMNS _ N  
AME . dict " COLUMNS _ NAME . type COLUMNS _  
PARENT & COLUMNS _ PARENT . data & COLUMN  
S _ PARENT . type ♯ DUAL _ ID ↑ DUAL _ ID . data ↑  
DUAL _ ID . type < EXT _ RES _ AND _ NRES _ FOR _  
PERC _ CITY + GHG _ ELEC GHG _ ELEC . 1 . data  
→ GHG _ ELEC . data ♯ GHG _ GAS GHG _ GAS . 1 .  
data ↑ GHG _ GAS . data ↑ GHG _ TOTAL  
GHG _ TOTAL . 1 . data GHG _ TOTAL . data " Nu  
mber of Records 0 Number of  
Records . 1 . data , Number of  
Records . data $ SCHEMAPROPS _ ACTIVE . SC  
HEMAPROPS _ ACTIVE . data . SCHEMAPROPS _  
ACTIVE . type SCHEMAPROPS _ ID & SCHEMA  
PROPS _ ID . data & SCHEMAPROPS _ ID . type S  
CHEMAPROPS _ KEY ( SCHEMAPROPS _ KEY . da
```



```

ta (SCHEMAPROPS_KEY.dict (SCHEMAPROPS_KEY.type $SCHEMAPROPS_PARENT.SCHEMAPROPS_PARENT.data.SCHEMAPROPS_PARENT.type "SCHEMAPROPS_VALUE, SCHEMAPROPS_VALUE.data, SCHEMAPROPS_VALUE.dict, SCHEMAPROPS_VALUE.type SCHEMAS_ACTIVE & SCHEMAS_ACTIVE.data & SCHEMAS_ACTIVE.type ¶ SCHEMAS_ID SCHEMAS_ID.data SCHEMAS_ID.type ↑ SCHEMAS_NAME "SCHEMAS_NAME.data" SCHEMAS_NAME.dict "SCHEMAS_NAME.type" TABLEPROPS_ACTIVE, TABLEPROPS_ACTIVE.data, TABLEPROPS_ACTIVE.type → TABLEPROPS_ID $TABLEPROPS_ID.data $TABLEPROPS_ID.type TABLEPROPS_KEY & TABLEPROPS_KEY.data & TABLEPROPS_KEY.dict & TABLEPROPS_PARENT, TABLEPROPS_PARENT.data, TABLEPROPS_PARENT.type .type TABLEPROPS_VALUE * TABLEPROPS_VALUE.data * TABLEPROPS_VALUE.dict * TABLEPROPS_VALUE.type → TABLES_ACTIVE $TABLES_ACTIVE.data $TABLES_ACTIVE.type ↓ TABLES_ID TABLES_ID.data TABLES_ID.type ↑ TABLES_NAME TABLES_NAME.data TABLES_NAME.dict TABLES_NAME.type → TABLES_PARENT $TABLES_PARENT.data $TABLES_PARENT.type ↓ TOTAL_KWH TOTAL_KWH.1.data TOTAL_KWH.data ↑ TOTAL_THM TOTAL_THM.1.data TOTAL_THM.data + TOT_CITY TOT_CITY.1.data TOT_CITY.1.dict → TOT_CITY.data → TOT_CITY.dict ¶ TOT_COUNTY "TOT_COUNTY.1.data" TOT_COUNTY.1.dict TOT_COUNTY.data TOT_COUNTY.dict ¶ YEAR ↑ YEAR.1.data ↑ YEAR.1.dict ↓ YEAR.data ↑ YEAR.dict - asc ¶ bigint ¶ binary - bit ¶ boolean ¶ builtin, clob(1) collate binary ¶ comparable + distinct ¶ double false ¶ heap index ¶ integer - key ¶ key.1.data ¶ key.1.dict + key.data + key.dict + not-null - oid ¶ real ¶ tiny ¶ true ¶ unique - usr value ↑ value.1.data ↑ value.1.dict ¶ value.data ¶ value.dict ¶ varchar8 varchar(10, 1) collate binary: varchar(100, 1) collate binary: varchar(127, 2) collate binary8 varchar(15, 1) collate binary: varchar(255, 1) collate binary8 varchar(32, 1) collate binary collation: binary
comparable:comparable
compression:heap
data-file:COLUMNPROPS_VALUE.data
datatype:usr

```



```

size:8
type:oid
type-file: COLUMNS_PARENT.type
    COLUMNS_ACTIVE.data R u
    COLUMNS_ACTIVE.type ? ? + COL
    COLUMNS_ID.data
    COLUMNS_ID.type M ↓ COLU
    COLUMNS_NAME.data +π *π ↓ COLUMNS_NA
    ME.dict PI j↓ COLUMNS_NAME.type
    COLUMNS_PARENT.data +p
    COLUMNS_PARENT.type p
    builtin:oid

```

```

data-file: DUAL_ID.data
datatype: index
factory: builtin
fixed: true
name: DUAL_ID
not-null: not-null
size: 8
type: oid
type-file: DUAL_ID.type

```

```

    DUAL_ID.data - :-
    DUAL_ID.type -
    builtin: bit

```

```

data-file: SCHEMAPROPS_ACTIVE.data
datatype: boolean
default-value: t
factory: builtin
fixed: true
name: SCHEMAPROPS_ACTIVE
not-null: not-null
size: 1
type: bit
type-file: SCHEMAPROPS_ACTIVE.type

```

```

    builtin: oid
data-file: SCHEMAPROPS_ID.data
datatype: index
factory: builtin
fixed: true
name: SCHEMAPROPS_ID
not-null: not-null
size: 8
type: oid
type-file: SCHEMAPROPS_ID.type

```

```

    data - file name
    collation: binary
comparable: comparable
compression: heap
data-file: SCHEMAPROPS_KEY.data

```

datatype:usr
dict-file:SCHEMAPROPS_KEY.dict
distinct:distinct
factory:varchar
fixed:false
name:SCHEMAPROPS_KEY
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:SCHEMAPROPS_KEY.type

h
builtin:oid
data-file:SCHEMAPROPS_PARENT.data
datatype:index
factory:builtin
fixed:true
name:SCHEMAPROPS_PARENT
not-null:not-null
size:8
type:oid
type-file:SCHEMAPROPS_PARENT.type

Extract - SYS
collation:binary

comparable:comparable
compression:heap
data-file:SCHEMAPROPS_VALUE.data
datatype:usr
dict-file:SCHEMAPROPS_VALUE.dict
distinct:distinct
factory:varchar
fixed:false
name:SCHEMAPROPS_VALUE
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:SCHEMAPROPS_VALUE.type

SCHEMAPROPS_ACTIVE.data
SCHEMAPROPS_ACTIVE.type
SCHEMAPROPS_ID.data
SCHEMAPROPS_ID.type
SCHEMAPROPS_KEY.data
SCHEMAPROPS_KEY.dict
SCHEMAPROPS_KEY.type
SCHEMAPROPS_PARENT.data
SCHEMAPROPS_PARENT.type
SCHEMAPROPS_VALUE.data

□ + SCHEMAPROPS_VALUE.dict + *
+ SCHEMAPROPS_VALUE.type □ □
□ 盪 盪 builtin:bit

data-file:SCHEMAS_ACTIVE.data
datatype:boolean
default-value:t
factory:builtin
fixed:true
name:SCHEMAS_ACTIVE
not-null:not-null
size:1
type:bit
type-file:SCHEMAS_ACTIVE.type

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□ % X builtin:oid

data-file:SCHEMAS_ID.data
datatype:index
factory:builtin
fixed:true
name:SCHEMAS_ID
not-null:not-null
size:8
type:oid
type-file:SCHEMAS_ID.type

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怀 & Extract - SYS □ □
□ collation:binary

comparable:comparable
compression:heap
data-file:SCHEMAS_NAME.data
datatype:usr
dict-file:SCHEMAS_NAME.dict
distinct:distinct
factory:varchar
fixed:false
name:SCHEMAS_NAME
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:SCHEMAS_NAME.type

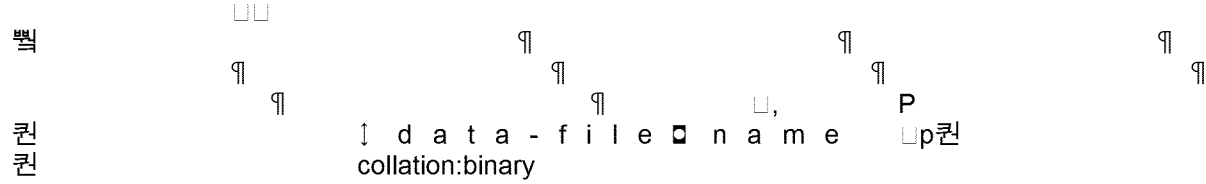
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□ • □ SCHEMAS_ACTIVE.data \$ □ □
SCHEMAS_ACTIVE.type 俵
俵 + SCHEMAS_ID.data X
□ + SCHEMAS_ID.type 怀
怀 ↓ SCHEMAS_NAME.data & □ ↓ S
CHEMAS_NAME.dict 盪 →
盪 ↓ SCHEMAS_NAME.type `耀 z
耀 □ + □
□ builtin:bit

data-file:TABLEPROPS_ACTIVE.data
datatype:boolean
default-value:t

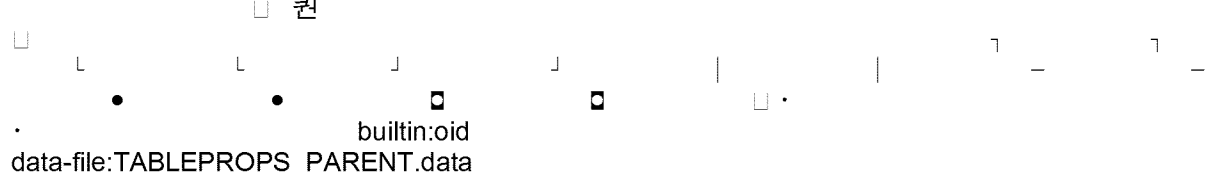
factory:builtin
fixed:true
name:TABLEPROPS_ACTIVE
not-null:not-null
size:1
type:bit
type-file:TABLEPROPS_ACTIVE.type



data-file:TABLEPROPS_ID.data
datatype:index
factory:builtin
fixed:true
name:TABLEPROPS_ID
not-null:not-null
size:8
type:oid
type-file:TABLEPROPS_ID.type



comparable:comparable
compression:heap
data-file:TABLEPROPS_KEY.data
datatype:usr
dict-file:TABLEPROPS_KEY.dict
distinct:distinct
factory:varchar
fixed:false
name:TABLEPROPS_KEY
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:TABLEPROPS_KEY.type



data-file:TABLEPROPS_PARENT.data
datatype:index
factory:builtin
fixed:true
name:TABLEPROPS_PARENT
not-null:not-null
size:8

type:oid
type-file:TABLEPROPS_PARENT.type
collation:binary

comparable:comparable
compression:heap
data-file:TABLEPROPS_VALUE.data
datatype:usr
dict-file:TABLEPROPS_VALUE.dict
distinct:distinct
factory:varchar
fixed:false
name:TABLEPROPS_VALUE
not-null:not-nuli
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:TABLEPROPS_VALUE.type

TABLEPROPS_ACTIVE.data
TABLEPROPS_ACTIVE.type
TABLEPROPS_ID.data
TABLEPROPS_ID.type
TABLEPROPS_KEY.data
TABLEPROPS_KEY.dict
TABLEPROPS_KEY.type
TABLEPROPS_PARENT.data
TABLEPROPS_PARENT.type
TABLEPROPS_VALUE.data
TABLEPROPS_VALUE.dict
TABLEPROPS_VALUE.type
builtin:bit

data-file:TABLES_ACTIVE.data
datatype:boolean
default-value:t
factory:builtin
fixed:true
name:TABLES_ACTIVE
not-null:not-null
size:1
type:bit
type-file:TABLES_ACTIVE.type

builtin:oid
data-file:TABLES_ID.data
datatype:index
factory:builtin

fixed:true
name:TABLES_ID
not-null:not-null
size:8
type:oid
type-file:TABLES_ID.type

```
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    T      (      |  
    $ Tableau Metadata_T COLUMNPROPS SCHEM  
    NS DUAL Extract SCHEMAPROPS SCHEM  
    AS TABLEPROPS TABLES UP  
    collation:binary
```

comparable:comparable
compression:heap
data-file:TABLES_NAME.data
datatype:usr
dict-file:TABLES_NAME.dict
distinct:distinct
factory:varchar
fixed:false
name:TABLES_NAME
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:TABLES_NAME.type

```
    X  
    Ø      builtin:oid
```

data-file:TABLES_PARENT.data
datatype:index
factory:builtin
fixed:true
name:TABLES_PARENT
not-null:not-null
size:8
type:oid
type-file:TABLES_PARENT.type

```
    !! TABLES_ACTIVE.data  
    " !! TABLES_ACTIVE.type  
    ⚙ TABLES_ID.data →  
    ⚙ TABLES_ID.type 8 ↓ TABLES  
    _NAME.data 0 J ← TABLES_NAME.dict  
    → TABLES_NAME.type `z  
    !! TABLES_PARENT.data л  
    ⌘ !! TABLES_PARENT.type  
    • ♀ COLUMNPROPS pl R □ COLUMNS  
    O P S | DUAL d ♀ S C H E M A P R  
    ♂ TABLEPROPS  
    • TABLES <
```

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