



A3 ER MODEL

This is a simplified schema for storing electricity data. The table WORK_LOG contains time series data of electricity readings. Conceptually, each device (an electricity meter) sends a new reading into the system every 15 minutes. These readings are stored in the the table WORK_LOG. Devices are installed in facilities, which have a code, name and other basic information. (Note: The actual data model for this system is more complex.)

DATA DICTIONARY

did	device id -- the unique identifier for each meter
ddescription	a short description of the device
fid	see below
fid	facility id -- each device is located in a facility
code	A short code name for a facility (ie., a buidling)
shortName	A short name for the facility
longName	A long name for the facility
grossSF	The size of the facility in gross square feet
yearBuilt	The year that the facility was built
id	unique id for each record in the time series
did	see above
timelogged	time that the reading was posted
e_reading	the electricity reading (kWh) from the meter -- it is the running total
e	this is the electricity used in an interval (kWh)
delt_unit	a code for different interval, either A, B, C, D (A - 15min; B-1h; C-4hr; D-24hr) (In WORK_LOG this value is always A)
year	year of the reading
moy	month of year (1-12)
woy	week of year (1-53) of reading, with week #1 having January 4 in it (ISO-6801)
dow	'day of week' of reading (0-Sunday ... 6-Saturday)