

# Utilities Data Content Standard

## Appendix D: Utilities Domains (Informative)

Facilities Working Group  
Federal Geographic Data Committee

August 1997

## Utilities (Domains)

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### **DOMAIN NAME** condition list - pole

**DEFINITION** Allowable input for the condition of a pole or tower.

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<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CRACKED	cracked but useable
FAIR	fair condition
GOOD	good condition
OTHER	other
SPLINTER	splintered but useable
TBD	to be determined
UNUSEABLE	unuseable

---

### **DOMAIN NAME** condition list - rock strength

**DEFINITION** Allowable input values for condition list of rock strengths

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
HIGH	high dry strength/toughness
LOW	low dry strength/toughness
MEDIUM	medium dry strength/toughness
NONE	very weak, no strength, probably should class as soil
OTHER	other
TBD	to be determined
UNKNOWN	unknown
VERYHIGH	very high dry strength/toughness

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### **DOMAIN NAME** condition list - soil consistncy

**DEFINITION** Allowable input values for condition list of soil consistencies

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<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FIRM	firm
HARD	hard
MEDIUMFIRM	medium firm
OTHER	other
SOFT	soft

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TBD	to be determined
UNKNOWN	unknown
VERYHARD	very hard
VERYSOFT	very soft

**DOMAIN NAME** dimension list - electric cable

**DEFINITION** Allowable input used to define an electrical cable dimension.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
#1/0	#1/0
#10	#10
#14	#14
#16	#16
#18	#18
#19	#19
#2/0	#2/0
#20	#20
#22	#22
#24	#24
#26	#26
#28	#28
#3/0	#3/0
#30	#30
#32	#32
#34	#34
#36	#36
#4/0	#4/0
0.375	3/8 inch
0.5	0.5 inch
0.75	0.75 inch
0_375	3/8 inch
0_5	0.5 inch
0_75	0.75 inch

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1	1 inch
1.25	1.25 inches
1.5	1.5 inches
1_25	1.25 inches
1_5	1.5 inches
1000_MCM	1000 K circular mils
1033.5_MCM	1033.5 K circular mils, ACSR
1113_MCM	1113 K circular mils, ACSR
12	12 inches
1272_MCM	1272 K circular mils, ACSR
1431_MCM	1431 K circular mils, ACSR
1590_MCM	1590 K circular mils, ACSR
2	2 inches
2.5	2.5 inches
2_5	2.5 inches
2156_MCM	2156 K circular mils, ACSR
250_MCM	250 K circular mils
266.8_MCM	266.8 K circular mils, ACSR
3	3 inches
3.5	3.5 inches
3_5	3.5 inches
300_MCM	300 K circular mils
336.4_MCM	336.4 K circular mils, ACSR
336_MCM	336 K circular mils
350_MCM	350 K circular mils
397.5_MCM	397.5 K circular mils, ACSR
4	4 inches
400_MCM	400 K circular mils
477_MCM	477 K circular mils
477_MCM_A	477 K circular mils, ACSR
5	5 inches
500_MCM	500 K circular mils

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556.5_MCM	556.5 K circular mils, ACSR
556_5_MCM_A	556.5 K circular mils, ACSR
6	6 inches
600_MCM	600 K circular mils
636_MCM	636 K circular mils
636_MCM_A	636 K circular mils, ACSR
7	7 inches
700_MCM	700 K circular mils
750_MCM	750 K circular mils
795_MCM_A	795 K circular mils, ACSR
8	8 inches
800_MCM	800 K circular mils
9	9 inches
900_MCM	900 K circular mils
954_MCM_A	954 K circular mils, ACSR
BITTERN	1272 K circular mils, ACSR,45/7
BLUEBIRD	2156 K circular mils, ACSR,84/19
BLUEJAY	1113 K circular mils, ACSR,45/7
BOBOLINK	1431 K circular mils, ACSR,45/7
CARDINAL	954 K circular mils, ACSR,54/7
CHICKADEE	397.5 K circular mils, ACSR,18/1
DOVE	556.5 K circular mils, ACSR,26/7
DRAKE	795 K circular mils, ACSR,26/7
FALCON	1590 K circular mils, ACSR,54/19
FINCH	1113 K circular mils, ACSR,54/19
FLICKER	477 K circular mils, ACSR,24/7
GROSBEAK	636 K circular mils, ACSR,24/7
HAWK	477 K circular mils, ACSR,26/7
HEN	477 K circular mils, ACSR,30/7
IBIS	397.5 K circular mils, ACSR,26/7
LAPWING	1590 K circular mils, ACSR,45/7
LINNET	336.4 K circular mils, ACSR,26/7

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MERLIN	336.4 K circular mils, ACSR,18/1
N1	#1
N1_0	#1/0
N10	#10
N12	#12
N14	#14
N16	#16
N18	#18
N19	#19
N2	#2
N2_0	#2/0
N20	#20
N22	#22
N24	#24
N26	#26
N28	#28
N3	#3
N3_0	#3/0
N30	#30
N32	#32
N34	#34
N36	#36
N4	#4
N4_0	#4/0
N5	#5
N6	#6
N8	#8
ORIOLE	336.4 K circular mils, ACSR,30/7
ORTOLAN	1033.5 K circular mils,45/7
OSPREY	556.5 K circular mils, ACSR,18/1
OSTRICH	300 K circular mils, ACSR,26/7
OTHER	other

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PARAKEET	556.5 K circular mils, ACSR,24/7
PARTRIDGE	556.5 K circular mils, ACSR,26/7
PELICAN	266.8 K circular mils, ACSR,18/1
PHEASANT	477 K circular mils, ACSR,54/19
PLOVER	1272 K circular mils, ACSR,54/19
RAIL	1431 K circular mils, ACSR,45/7
ROOK	954 K circular mils, ACSR,24/7
TBD	to be determined
TERN	795 K circular mils, ACSR,45/7
UNKNOWN	unknown
WAXWING	266.8 K circular mils, ACSR,18/1

---

**DOMAIN NAME** discriminator - electric cable

**DEFINITION** Discriminator - Values that differentiate installed location of electrical cable.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned/inactive
PRIMARY_OH	primary overhead
PRIMARY_UG	primary underground
SECONDARY_OH	secondary overhead
SECONDARY_UG	secondary underground
SERVICE_OH	service overhead
SERVICE_UG	service underground

---

**DOMAIN NAME** discriminator - electric manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
HANDHOLE	handhole
JUNCTION_BOX	junction box
MANHOLE	manhole
PULL_BOX	pull box

## Utilities (Domains)

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### **DOMAIN NAME** discriminator - electric switch

**DEFINITION** Discriminator - Values that differentiate the type of electric switch.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CIRCUIT_BRKR	circuit breaker
CUBICLE	installed in a cubicle.
FUSE_CUTOUT	fuse cutout
GANG_DISC	gang operated disconnect
POLE_MOUNTED	mounted on pole or tower
RECLOSER	reclosure

---

### **DOMAIN NAME** discriminator - electric tranbnk

**DEFINITION** Discriminator - Values that differentiate the mount location of an electrical transformer bank.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
PAD_MOUNTED	pad mounted transformer bank
POLE_MOUNTED	pole mounted transformer bank

---

### **DOMAIN NAME** discriminator - external light

**DEFINITION** Various kinds of mounts for external lights.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FLOOD_LIGHT	Lights designed to flood an area with light, as in the case of an athletic field.
POLE_MOUNT	Lights mounted on poles
STREET_LIGHT	Lights specifically designed to illuminate the street below.
WALK_LIGHT	Normally a low mounted light designed to illuminate a walkway or beside a driveway.

---

### **DOMAIN NAME** discriminator - fire connection

**DEFINITION** Discriminator - Values that differentiate the type of fire department connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FIRE_CONNECT	fire department connection
FIRE_HYDRANT	fire hydrant



## Utilities (Domains)

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### **DOMAIN NAME** discriminator - fuel manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
HYDRANT_PIT	hydrant control pit
JUNCTION_BOX	junction box
MANHOLE	manhole
TEST_BOX	test box
VALVE_PIT	valve pit
VENT_PIT	vent pit

---

### **DOMAIN NAME** discriminator - fuel pipe

**DEFINITION** Discriminator - Values that differentiate the general use of a fuel pipe.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned/inactive pipe
DEFUELING	defueling line
MAIN	main line
SERVICE	building/facility service
VENT	vent line

---

### **DOMAIN NAME** discriminator - future structure

**DEFINITION** Various status of structures which are yet to be built or are under construction.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FUTURE_DEV	Structural definition and status of a planned building or future development of an existing building.
UNDER_CONST	Structural definition and status of a building under construction.

---

### **DOMAIN NAME** discriminator - gas pump sta

**DEFINITION** Discriminator - Values that differentiate the type of natural gas pump station.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOOSTER	booster station
PRESS_REDUCE	pressure reducer station
PUMP	pump station

## Utilities (Domains)

---

**DOMAIN NAME** discriminator - gas valve

**DEFINITION** Discriminator - Values that differentiate the type of natural gas valves.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DRIP_POT	drip pot
TAP	line tap
VALVE	valve

---

**DOMAIN NAME** discriminator - gas/wat fitting

**DEFINITION** Discriminator - Various fitting types for Water and Natural Gas systems.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CAP	pipe cap
CROSS	pipe cross
TEE	pipe tee

---

**DOMAIN NAME** discriminator - h/c manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
MANHOLE	manhole
VALVE_PIT	valve pit

---

**DOMAIN NAME** discriminator - hcs anchor

**DEFINITION** Discriminator - Values that differentiate the type of anchor used to control expansion of pipes in a central heating and cooling distribution system.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
GUIDE_ANCHOR	guide anchor
RIGID_ANCHOR	rigid anchor

---

**DOMAIN NAME** discriminator - hcs fitting

**DEFINITION** Various kinds of fittings included in Heating and Cooling Systems.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CAP	pipe cap
FLANGE	pipe flange
REDUCER	pipe reducer

## Utilities (Domains)

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### **DOMAIN NAME** discriminator - hcs pipe

**DEFINITION** Discriminator - Values that differentiate the use of central heating and cooling distribution system piping.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	Abandoned/inactive hcs-water line.
CHW_M	Chilled Water Main: water less than 45 deg. F.
CHW_S	Chilled Water Service: water less than 45 deg. F.
HTW_M	High Temperature Water Main: water greater than 250 deg. F
HTW_S	High Temperature Water Service: water greater than 250 deg. F
LTW_M	Low Temperature Water Main: water less than 250 deg. F.
LTW_S	Low Temperature Water Service: water less than 250 deg. F.
RETURN	return line
S_M	Steam Main
S_S	Steam Service

---

### **DOMAIN NAME** discriminator - hcs plant

**DEFINITION** Discriminator - Values that differentiate the type of energy plant.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CHILLING_PLANT	chill water plant
HEATING_PLANT	high temp, low temp, and/or steam plant

---

### **DOMAIN NAME** discriminator - hydrant

**DEFINITION** Discriminator - Values that differentiate the type of hydrant.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FAUCET	faucet
HYDRANT	hydrant
SPRINKLER	sprinkler head

---

### **DOMAIN NAME** discriminator - ind wast manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
JUNCTION_BOX	junction box
MANHOLE	manhole

## Utilities (Domains)

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**DOMAIN NAME** discriminator - inlets

**DEFINITION** Discriminator - Values that differentiate the type of storm water inlet.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CURB_INLET	curb opening inlet
DROP_INLET	drop inlet
SURFACE_LINEAR	surface linear

---

**DOMAIN NAME** discriminator - installation

**DEFINITION** Discriminator - Values that differentiate the type of an installation

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned
OVERHEAD	overhead
UNDERGROUND	underground

---

**DOMAIN NAME** discriminator - nat gas manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
JUNCTION_BOX	junction box
MANHOLE	manhole
VALVE_PIT	valve pit
VENT_PIT	vent pit

---

**DOMAIN NAME** discriminator - natural gas pipe

**DEFINITION** Discriminator - Allowable input values for natural gas pipe use.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned line
MAIN	main line
SERVICE	service line
VENT	vent line

## Utilities (Domains)

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**DOMAIN NAME** discriminator - open channel

**DEFINITION** Discriminator - Values that differentiate the type of open drainage.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OPEN_DRAINAGE	The channel is part of an unaltered drainage system
PAVED_DITCH	The channel has a concrete or other paved surface
UNPAVED_DITCH	The channel has no constructed or prepared surface

---

**DOMAIN NAME** discriminator - pipe

**DEFINITION** Discriminator - Values that differentiate the general use of a pipe.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned/inactive pipe
MAIN	main line
SERVICE	building/facility service

---

**DOMAIN NAME** discriminator - pole

**DEFINITION** Discriminator - Values that differentiate type of pole configuration.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DOUBLE_POLE	double pole
POLE	pole
RISER_POLE	riser pole
TOWER	tower

---

**DOMAIN NAME** discriminator - pump sta

**DEFINITION** Discriminator - Values that differentiate the type of wastewater pump station.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOOSTER	booster station
PUMP	pump station

---

**DOMAIN NAME** discriminator - regulator

**DEFINITION** Discriminator of allowable regulator types.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
REDUCER	reducer

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REGULATOR	regulator
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---

**DOMAIN NAME** discriminator - storm manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

JUNCTION_BOX	junction box
--------------	--------------

MANHOLE	manhole
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---

**DOMAIN NAME** discriminator - structure status

**DEFINITION** Discriminator - Values that differentiate the management status or class of a building.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
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DEMOLITION	Structural definition and status of a building slated for demolition.
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PERMANENT	Structural definition and status of a permanent building.
-----------	---

PORTABLE	Structural definition and status of a portable building.
----------	--

SEMI-PERM	Structural definition and status of a semi-permanent building.
-----------	--

SEMI_PERM	Structural definition and status of a semi-permanent building.
-----------	--

TEMPORARY	Structural definition and status of a temporary building.
-----------	---

---

**DOMAIN NAME** discriminator - utility guy

**DEFINITION** Discriminator - Values that differentiate the type of pole guy.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

DOWN_GUY	down guy
----------	----------

SPAN_GUY	span guy
----------	----------

---

**DOMAIN NAME** discriminator - valve

**DEFINITION** Discriminator - Values that differentiate the types of water valves.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

BACKFLOW	backflow preventer
----------	--------------------

POSTINDICATOR	post indicator gate valve
---------------	---------------------------

TAP	line tap
-----	----------

VALVE	valve
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### **DOMAIN NAME** discriminator - waste fitting

**DEFINITION** Various kinds of Storm Sewer, Waste, and Industrial Waste fittings.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

CAP	pipe cap
-----	----------

CLEANOUT	pipe cleanout
----------	---------------

---

### **DOMAIN NAME** discriminator - waste manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

DISTRIB_BOX	distribution box
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JUNCTION_BOX	junction box
--------------	--------------

MANHOLE	manhole
---------	---------

---

### **DOMAIN NAME** discriminator - waste meter

**DEFINITION** Discriminator - Values that differentiate the type of waste water meter.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
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METER	meter
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PARSHALL_FLUME	parshall flume meter
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### **DOMAIN NAME** discriminator - wastewater pump

**DEFINITION** Various kinds or types of wastewater pumps and stations.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
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EJECTOR	ejector system
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PUMP	pump station
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### **DOMAIN NAME** discriminator - wastewater tank

**DEFINITION** Discriminator - Values that differentiate the type of wastewater tank.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
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DISPOSAL	disposal tank
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SEPTIC_TANK	septic tank
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## Utilities (Domains)

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**DOMAIN NAME** discriminator - water manhole

**DEFINITION** Discriminator - Values that differentiate the type of utility connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
JUNCTION_BOX	junction box
MANHOLE	manhole
VALVE_PIT	valve pit

---

**DOMAIN NAME** discriminator - water pipe

**DEFINITION** Discriminator - Values that differentiate the general use of a water pipe.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned/inactive pipe
FIRE	fire protection
MAIN	main line
RAW_WATER	raw water line
SERVICE	building/facility service
SPRINKLER	sprinkler head

---

**DOMAIN NAME** disposition list - object

**DEFINITION** Allowable input for the disposition of an object

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned in place (not in use)
INCOMPLETE	incomplete or unfinished
OTHER	other
PERMANENT	permanent
PROPOSED	proposed
TBD	to be determined
TEMPORARY	temporary
UNKNOWN	unknown

---

**DOMAIN NAME** hydrography - bank armor lining

**DEFINITION** Types of bank or bed armor lining in a waterway or a still body of water.

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<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
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ASPHALT	asphalt
CEMENTD_STONE	cemented stones
CONCRETE_LINED	concrete lined
DUMP_BRICK_CONC	dumped brick and concrete
DUMPED_ROCK	dumped rocks
FORMEDLINING	formed channel lining
GABIONS	gabions
OTHER	other
PILEDIKE	pile dike
PLACED_STONE	placed stone
SAND_CEMNBGRR	sand cement/bag riprap
TBD	to be determined
UNKNOWN	unknown
WILLOW_MAT	willow mat

---

**DOMAIN NAME** hydrography - bed material

**DEFINITION** Types of material found in the bed of a waterway or a still body of water.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AQUATCWEED	aquatic weed
CEMENTED_STONE	cemented stones
CLAY	clay
CONCRETE_LINED	concrete lined
CRSAND_GRAVEL	coarse sand and gravel
EXPOSED_ROCK	exposed rock
FINE_SAND	fine sand
GRASSED	grassed
GRAVEL_STONE	gravel to larger stone
ORGANIC_MUD	organic mud
OTHER	other
PLACED_STONE	placed stone
TBD	to be determined
UNDERBRUSH	underbrush

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UNKNOWN	unknown
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**DOMAIN NAME** hydrography - drainage density

**DEFINITION** Classification of the density of a hydrographic drainage pattern.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
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COARSE	coarse
FINE	fine
MEDIUM	medium
OTHER	other
TBD	to be determined
UNKNOWN	unknown

**DOMAIN NAME** hydrography - drainage pattern

**DEFINITION** Types of hydrographic drainage patterns due to climatic, soil, and geologic conditions.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

ANGULATE	angulate
ANNULAR	annular
ARTIFICIAL	artificial
BARBED	barbed
BRAIDED	braided
CENTRIPETAL	centripetal
COMPLEX	complex
COMPOUND	compound
CONTORTED	contorted
DENDRITANAST	dendritic anastomotic
DENDRITDISTR	dendritic distributary (dichotomic)
DENDRITPINNT	dendritic pinnate
DENDRITSUBDN	dendritic subdendritic
DERANGED	deranged
INTERNAL	internal
MULTIBSKARST	multibasinal karst
MULTIBSTHERM	multibasinal thermokarst

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MULTIELNGBAY	multibasinal elongate bay
MULTIGLACLDS	multibasinal glacially disturbed
NODEVLSYSTEM	no developed system
OTHER	other
PALIMPSEST	palimpsest
PARLLCOLINER	parallel colinear
PARLLSUBPARL	parallel subparallel
PINNATE	pinnate
RADILCENTRIP	radial centripetal
RECTANGLARAN	rectangular angulate
TBD	to be determined
TRELISUBTREL	trellis subtrellis
TRELSDIRECTN	trellis directional
TRELSFAULT	trellis fault
TRELSJOINT	trellis joint
TRELSRECURVE	trellis recurved
UNKNOWN	unknown

---

### **DOMAIN NAME** hydrography - drainage zone

**DEFINITION** Local name of assigned hydrographic drainage zones.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
MERLIN	Merlin Drainage District
OTHER	other
TBD	to be determined
UNKNOWN	unknown
ZONE_1	zone 1

---

### **DOMAIN NAME** material list - anodes

**DEFINITION** Allowable input values for anode material types.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AL	aluminum
CI	cast iron

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GR	graphite
MG	magnesium
OTHER	other
TBD	to be determined
UNKNOWN	unknown
ZN	zinc

---

**DOMAIN NAME** material list - electric bus

**DEFINITION** Allowable material values for an electric bus.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ALUMINUM	aluminum metal
COPPER	copper metal
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** material list - electric cable

**DEFINITION** Allowable material values for electric cable.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AL	Al
ALUM_ALLOY	Al, alloy
ALUM_ANOD	Al, anodized
ALUM_COPPER	Al, Cu coated
ALUM_STEEL	Al, steel reinforced
COPPER	Cu
COPPER_ALLOY	Cu, alloy
COPPER_ALUM	Cu, Al coated
COPPER_LEAD	Cu, Pb coated
COPPER_NICKEL	Cu, Ni coated
COPPER_STEEL	Cu, steel coated
COPPER_TIN	Cu, tinned
FIBER_OPT	fiber optical

## Utilities (Domains)

IRON	Fe
IRON_ALLOY	Fe, alloy
IRON_GALV	Fe, galvanized
LEAD	Pb
LEAD_COPPER	Pb, Cu
LEAD_IRON	Pb, Fe
LEAD_STEEL	Pb, steel
OTHER	other
STEEL	steel
STEEL_AL_CLAD	steel, Al clad
STEEL_CU_CLAD	steel, Cu clad
STEEL_GALV	steel, galvanized
TBD	to be determined
UNKNOWN	unknown

**DOMAIN NAME** material list - pipe

**DEFINITION** Allowable material values for pipe.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABS	acrylonitrile butadiene styrene
AL	Aluminum
ASBESTCEMENT	asbestos cement
BLACK_FE	black iron
BRICK	brick
CASTIRON	cast iron
CEMENT	cement
COATWRAPSTEL	coated and wrapped steel
CONCRETE	concrete
CORR_METAL	corrugated metal
CORR_STEEL	corrugated steel
CORRALBITMEN	corrugated Aluminum with bituminous coating
CORRALPAVINV	corrugated Aluminum with paved invert
CORRMETLBITM	corrugated metal with bituminous coating

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## Utilities (Domains)

---

CORRMETPAVIN	corrugated metal with paved invert
CORRSTELBITM	corrugated steel with bituminous coating
CORRSTELPAVI	corrugated steel with paved invert
CORRUGATEDAL	corrugated Aluminum
CRESOTEDWOOD	creosoted wood
CU	Copper
DUCTILEFE	ductile iron
FIBER	fiber
FIBERGLASS	fiberglass
GALVANIZEDFE	galvanized iron
GALVNIZSTEEL	galvanized steel
GLASS	glass
HELIWOUND	helically wound
INSULATCONCR	insulating concrete
METAL	metal conduit
MULTIPLECLAY	multiple clay
MULTIPLETILE	multiple tile
OTHER	other
OTHERMASONRY	other
PLASTIC	plastic
POLYETHYLENE	polyethylene
POLYSTYRENE	polystyrene
PRECAST	precast
PRESTRESSED	prestressed
PVC	polyvinyl chloride
REINFORCONCR	reinforced concrete
REINFPLASMOR	reinforced plastic mortar
SINGLE_CLAY	single clay
SINGLE_TILE	single tile
STEEL	steel
STEEL_WRAPED	steel wrapped
STONE	stone

## Utilities (Domains)

---

TBD	to be determined
TERRACOTTA	terra cotta
TILE_RESIN	tile resin
UNKNOWN	unknown
VITRIFIEDCLAY	vitified clay
WROUGHT_FE	wrought iron

---

**DOMAIN NAME** material list - pole

**DEFINITION** Allowable material values for poles and towers.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AL	Aluminum
CEMENT	cement
COMBINATION	combination of materials
CONCRETE	concrete
FIBERGLASS	fiberglass
GLASS	glass
OTHER	other
PLASTIC	plastic
REINFORCONCR	reinforced concrete, metal rods
STEEL	steel
TBD	to be determined
UNKNOWN	unknown
WOOD	wood

---

**DOMAIN NAME** method list - equipment cooling

**DEFINITION** Allowable method values for cooling equipment.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AIR	air
FAN	fan
OIL	oil
OILAIR	oil and air (OA)
OILAIRFAN	oil, air, and fan (FA)

## Utilities (Domains)

---

OTHER	other
REFRIGERATE	refrigeration units
TBD	to be determined

---

**DOMAIN NAME** name list - fuel source

**DEFINITION** Allowable input values for fuel sources.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** name list - gas source

**DEFINITION** Allowable input values for natural and bottle gas sources.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** name list - laboratory

**DEFINITION** Names of testing and analysis laboratories.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
LAW_ENG	Law Engineering
LAW_ENV	Law Environmental
OTHER	other
TBD	to be determined
UNKNOWN	unknown
WES	Waterways Experiment Station

---

**DOMAIN NAME** name list - lagoon

**DEFINITION** Allowable input for a lagoon name

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
5	lagoon #5
OTHER	other



## Utilities (Domains)

---

TBD	to be determined
-----	------------------

UNKNOWN	unknown
---------	---------

---

**DOMAIN NAME** name list - owner

**DEFINITION** Allowable input values for an owner name

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BCE	Base Civil Engineer
DPWE	Directorate of Public Works and Environment
GA_P	Georgia Power
MISS_P_L	Mississippi Power and Light
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** name list - reservoir

**DEFINITION** Allowable input values for reservoir names

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** name list - treatment plant

**DEFINITION** Allowable input values for treatment plant names.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** name list - water source

**DEFINITION** Allowable input values for names of water sources.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ART_WELL_7	Artisan Well #7
FEDERALES	Arroyo Federales

## Utilities (Domains)

---

LAFOUCHE	Bayou LaFouche
MAGEES_CREEK	Magees Creek
OTHER	other
TBD	to be determined
TYLERTOWN	Tylertown Wellfield
UNKNOWN	unknown

---

**DOMAIN NAME** project - status

**DEFINITION** Various status result of projects.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ACTIVE	active - project in progress
CANCELLED	project cancelled terminated
COMPLETED	project completed
INACTIVE_PIN	active - project permanently halted
INACTIVE_TIN	active - project temporarily halted
PROPOSED	proposed project
TBD	to be determined

---

**DOMAIN NAME** size list - ductbank

**DEFINITION** Allowable input values for ductbank size.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
NA	not applicable
TBD	to be determined
UNK	unknown

---

**DOMAIN NAME** soils - erosion K

**DEFINITION** The susceptibility of the soil to erosion

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
0.02	0.02
0.05	0.05
0.10	0.10
0.17	0.17
0.20	0.20

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## Utilities (Domains)

0.24	0.24
0.28	0.28
0.32	0.32
0.37	0.37
0.43	0.43
0.49	0.49
0.55	0.55
0.64_OR_MORE	0.64 or more
0_02	0.02
0_05	0.05
0_10	0.10
0_17	0.17
0_20	0.20
0_24	0.24
0_28	0.28
0_32	0.32
0_37	0.37
0_43	0.43
0_49	0.49
0_55	0.55
0_64_OR_MORE	0.64 or more
TBD	to be determined
UNKNOWN	unk

**DOMAIN NAME** soils - family

**DEFINITION** Scientific taxonomic classification of the soil

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ALTAVISTA	fine-loamy, mixed, thermic Aquic Hapludults
AUTRYVILLE	loamy, siliceous, thermic Arenic Paleudults
AYCOCK	fine-silty, siliceous, thermic Typic Paleudults
BLANEY	loamy, siliceous, thermic Arenic Hapludults
BRAGG	fine-loamy, siliceous, acid, thermic Typic Udorthents

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## Utilities (Domains)

---

BUTTERS	coarse-loamy, siliceous, thermic Typic Paleudults
BYARS	clayey, kaolinitic, thermic Umbric Paleaquults
CANDOR	sandy, siliceous, thermic Arenic Paleudults
CAPEFEAR	clayey, mixed, thermic Typic Umbraquults
CHEWACLA	fine-loamy, mixed, thermic Fluvaquentic Dystrochrepts
COXVILLE	clayey, kaolinitic, thermic Typic Paleaquults
CRAVEN	clayey, mixed, thermic Aquic Hapludults
CROATAN	loamy, siliceous, dysic, thermic Terric Medisaprists
DELOSS	fine-loamy, mixed, thermic Typic Umbraquults
DOGUE	clayey, mixed, thermic Aquic Hapludults
DOTHAN	fine-loamy, siliceous, thermic Plinthic Paleudults
DUNBAR	clayey, kaolinitic, thermic Aerisic Paleaquults
DUPLIN	clayey, kaolinitic, thermic Aquic Paleudults
DYSTROCHREPT	loamy, thermic Dystrochrepts
EXUM	fine-silty, siliceous, thermic Aquic Paleudults
FACEVILLE	clayey, kaolinitic, thermic Typic Paleudults
FUQUAY	loamy, siliceous, thermic Arenic Plinthic Paleudults
GILEAD	clayey, kaolinitic, thermic Aquic Hapludults
GOLDSBORO	fine-loamy, siliceous, thermic Aquic Paleudults
GRANTHAM	fine-silty, siliceous, thermic Typic Paleaquults
JOHNSTON	coarse-loamy, siliceous, acid, thermic Cumulic Humaquepts
KALMIA	fine-loamy over sandy or sandy skeletal, siliceous, thermic Typic Hapludults
KENANSVILLE	loamy, siliceous, thermic Arenic Hapludults
KUREB	thermic, uncoated Spodic Quartzipsamments
LAKELAND	thermic, coated Typic Quartzipsamments
LENOIR	clayey, mixed, thermic Aerisic Paleaquults
LEON	sandy, siliceous, thermic Aerisic Haplaquods
LYNCHBURG	fine-loamy, siliceous, thermic Aerisic Paleaquults
LYNNHAVEN	sandy, siliceous, thermic Typic Haplaquods
MCCOLL	clayey, kaolinitic, thermic Typic Fragiaquults
NAHUNTA	fine-silty, siliceous, thermic Aerisic Paleaquults
NORFOLK	fine-loamy, siliceous, thermic Typic Paleudults

## Utilities (Domains)

OTHER	other
PACTOLUS	thermic, coated Aquic Quartzipsamments
PANTEGO	fine-loamy, siliceous, thermic Umbric Paleaquults
RAINS	fine-loamy, siliceous, thermic Typic Paleaquults
ROANOKE	clayey, mixed, thermic Typic Ochraqults
STALLINGS	coarse-loamy, siliceous, thermic Aeric Paleaquults
TARBORO	mixed, thermic Typic Udipsamments
TBD	to be determined
TORHUNTA	coarse-loamy, siliceous, acid, thermic Typic Humaquepts
UNKNOWN	unknown
VAUCLUSE	fine-loamy, siliceous, thermic Typic Hapludults
WAGRAM	loamy, siliceous, thermic Arenic Paleudults
WAHEE	clayey, mixed, thermic Aeric Ochraqults
WICKHAM	fine-loamy, mixed, thermic Typic Hapludults
WOODINGTON	coarse-loamy, siliceous, thermic Typic Paleaquults

**DOMAIN NAME** soils - texture

**DEFINITION** Soil texture and composition.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOLDGRAVEL	boulder gravel
CLAY	clay
CLAYLOAM	clay loam
COARSANDYLOM	course sandy loam
COARSESAND	coarse sand
COARSESILT	coarse silt
CORSCOBLGRAV	coarse cobble gravel
CORSPBLGRAVL	coarse pebble gravel
FINCOBLGRAV	fine cobble gravel
FINEPBLGRAVL	fine pebble gravel
FINESAND	fine sand
FINESANDYLOM	fine sandy loam
FINESILT	fine silt

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## Utilities (Domains)

GRAVEL	gravel
LOAM	loam
LOAMCOARSAND	loamy course sand
LOAMFINESAND	loamy fine sand
MEDCOBLGRAVL	medium cobble gravel
MEDIUMSAND	medium sand
MEDIUMSILT	medium silt
MEDPEBLGRAVL	medium pebble gravel
OTHER	other
PERMAFROST	permafrost
SANDYCLAY	sandy clay
SANDYCLAYLOM	sandy clay loam
SANDYLOAM	sandy loam
SILTYCLAY	silty clay
SILTYLOAM	silty loam
SLITYCLAYLOM	silty clay loam
STONES	stones
TBD	to be determined
UNKNOWN	unknown
VERYCOARSAND	very coarse sand
VERYFINESAND	very fine sand
VERYFINESILT	very fine silt
VRYCRSPBGRVL	very coarse pebble gravel
VRYFINPBLGRV	very fine pebble gravel
VRYFINSANLOM	very fine sandy loam

**DOMAIN NAME** source list - fuel gas

**DEFINITION** Allowable input values for fuel/gas sources.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

**DOMAIN NAME** status list - electric switch

**DEFINITION** Allowable input values for the status of an electrical switch.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CLOSED	closed
CLOSEDCLOSED	closed - normally closed
CLOSEDOPEN	closed - normally open
OPEN	open
OPENCLOSED	open - normally closed
OPENOPEN	open - normally open
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** status list - manhole

**DEFINITION** Allowable input values for the status of a manhole.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ACTIVE	active and working
NONACTIVE	not being used
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** status list - owner

**DEFINITION** Allowable input values for the owner status

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
LEASED	leased
NA	not applicable
OCCUPIED	occupied
OTHER	other
OWNED	owned
RENTED	rented
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

**DOMAIN NAME** structure - condition

**DEFINITION** Structural condition and state of repair of a building/structure.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOARDEDUP	boarded up
BROKENNOUSE	broken and unusable
BURNTNOUSE	burnt and not useable
BURNTUSEABLE	burnt but useable
CONDEMNED	condemned
CRACKED	cracked
DAMAGED	damaged
DAMAGEHEVUSE	heavily damage, but useable
DAMAGELITUSE	light damage, but useable
DAMAGEMODUSE	moderate damage, but useable
DAMAGHEVNO	heavy damage, and unusable
DAMAGLITNO	light damage, and unusable
DAMAGMODNO	moderate damage, and unusable
DANGEROUS	dangerous to use
GOODNOTNEW	good, but not new
HABITABLE	habitable
HABITABLENO	not habitable
MINORUSE	minor use
NEWLYBUILT	newly built
NEWUNFINISH	newly built, but not yet finished
NOTRESPASSNG	no trespassing
POOR	poor
QUARANTINED	quarantined
RADIOACTIVE	radioactive
TBD	to be determined
UNKNOWN	unknown
USEABLE	useable
USEABLENO	not useable



## Utilities (Domains)

---

**DOMAIN NAME** style list - drain field

**DEFINITION** Allowable input values for styles of drain fields.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FAN	fan drain field
NETWORK	network drain field
OTHER	other
SEEP_PIT	seepage pit
TBD	to be determined
TILE	tile field
UNKNOWN	unknown

---

**DOMAIN NAME** style list - gates

**DEFINITION** Allowable input values for styles of flow gates.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FLAP	flap gate
LIFT	lift gate
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** style list - open channel

**DEFINITION** Allowable input values for styles of open drainage channels.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CANALCMPLSEC	canal complex section
CANALTRPZSEC	canal trapezoidal section
LAKE	lake
OPENDRAINAGE	open drainage
OTHER	other
PAVEDDITCH	paved ditch
PAVEDINVRTDR	paved invert drain
POND	pond
RIVER	river

## Utilities (Domains)

---

STORMWATER	storm water retention reservoir
SWALE	swale
TBD	to be determined
UNKNOWN	unknown
UNPAVEDITCH	unpaved ditch

---

### **DOMAIN NAME** style list - tank

**DEFINITION** Allowable input values for styles of storage tanks.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABOVEGROUND	A receptacle or chamber of which 90 percent or more is located above the surface of the ground.
DRAINSUMP	drain sump tank
ELEVATED	elevated
HYDROPNEU	hydropneumatic
OTHER	other
SCP	self contained propane gas tank
STANDPIPE	standpipe
TBD	to be determined
UNCONFNDRESV	unconfined reservoir
UNDERGROUND	A receptacle or chamber of which 10 percent or more is located beneath the surface of the ground.
UNKNOWN	unknown

---

### **DOMAIN NAME** style list - valve

**DEFINITION** Allowable input values for styles of valves.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ANGLE	angle
BALL	ball
BUTTERFLY	butterfly
CHECK	check
DRYPIPE	dry pipe
GATE	gate
GLOBE	globe
NEEDLE	needle

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## Utilities (Domains)

---

OTHER	other
OTHERPOSTIND	other post indicator
PLUG	plug
PRESSREDUCNG	pressure reducing
PRESSRELIEF	pressure relief
QUAD	quad
REGULATING	regulating
STOP_WASTE	stop and waste
SWINGCHECK	swing check
TBD	to be determined
TRIPLEDUTY	triple duty
UNKNOWN	unknown

---

**DOMAIN NAME** type list - anode test station

**DEFINITION** Allowable input values for types of anode test station.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CONDULET_POLE	condulet and pole mount (above ground)
FLUSH_GRADE	flush to grade (in ground)
OTHER	other
STD_REFCL_JNCBX	Standard Reference Cell Junction Box
STD_RESIS_JNCBX	Standard Resistor Junction Box
STD_SHNT_JNCBX	Standard Shunt Junction Box
STD_TERM_JNCBX	Standard Terminal Junction Box
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - culvert screen

**DEFINITION** Allowable input values for types of culvert screens.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
HORZBAR	horizontal bar/pipe
OTHER	other
TBD	to be determined

## Utilities (Domains)

---

UNKNOWN	unknown
VERTBAR	vertical bar/pipe

---

**DOMAIN NAME** type list - diameter measure

**DEFINITION** Allowable input values for the way diameter is measured.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
INSIDE	inside diameter
NOMINAL	nominal or average diameter
OTHER	other
OUTSIDE	outside diameter
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - display

**DEFINITION** Allowable input values for types of displays

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ANALOG	analog (dial) display
DIGITAL	digital display
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - drain

**DEFINITION** Allowable input values for type of drains.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FAN	fan
NETWORK	network
OTHER	other
SEALED	sealed
SEEPAGEPIT	seepage pit
STORMCONNECT	connected to storm system
SUBDRAIN	sub drain (French drain)
SUMPPUMP	sump pump

## Utilities (Domains)

TBD	to be determined
TILEFIELD	tile field

### **DOMAIN NAME** type list - ecm device

**DEFINITION** Allowable input values for types of energy monitoring/control devices.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FIELD_INTERFC	field interface
MULTIPLEX	multiplexer

### **DOMAIN NAME** type list - effluent discharge

**DEFINITION** Allowable input values for types of effluent discharge.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DRAIN	drainage field
OPEN	open discharge point
OTHER	other
TBD	to be determined
UNKNOWN	unknown

### **DOMAIN NAME** type list - electric cable

**DEFINITION** Allowable input values for types of electrical cable.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
1_WIRE	1-wire, single conductor
3_WIRE_PRKWY	3-wire parkway
3_WIRE_ROUND	3-wire, round
3_WIRE_SGMNT	3-wire, segmental
4_WIRE_ROUND	4-wire, quad conductor
COAX	coaxial
DUPLEX	2-wire, dual conductor
OTHER	other
SOLIDCORE	solid core
SOLIDCORETB	solid core-twisted bundle around
SOLIDCORETS	solid core-twisted strand around
SOLIDIELEC	solid dielectric

## Utilities (Domains)

---

TBD	to be determined
TS	twisted strands
TSCORE	twisted strands core
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - electric config

**DEFINITION** Allowable input values for types of electrical cable mounting configurations on the pole or tower.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ARMLESS	The cable group is mounted in a cluster at the top of the pole.
CROSSARM_EQL	The individual line mounts in a cable group are equally spaced on a standard length crossarm.
CROSSARM_UNEQL	The individual line mounts in a cable group are not equally spaced on a standard crossarm.
OTHER	other
SHORTARM	The individual line in a cable group are mounted on a cross arm less than 24-inches long.
TBD	to be determined
UNKNOWN	unknown
VERTICAL	The individual line mounts in a cable group are vertically spaced down the pole.

---

### **DOMAIN NAME** type list - electric control

**DEFINITION** Allowable input values for types of electrical controls.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - electric meter

**DEFINITION** Allowable input values for types of electric meters.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

**DOMAIN NAME** type list - electric motor encl

**DEFINITION** Allowable input values for types of electric motor enclosures.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AIR/AIR	totally enclosed, air-to-air cooled
AIR_OVER	totally enclosed, air-over
DUST_PROOF	totally enclosed, dust-ignition proof
ENCL_FAN	totally enclosed, fan cooled
ENCL_FANG	totally enclosed, fan cooled, guarded
ENCL_NON	totally enclosed, nonventilated
ENCL_WAC	totally enclosed, water/air cooled
ENCL_WATER	totally enclosed, water cooled
EXPL_PROOF	totally enclosed, explosion proof
OPEN	open
OPEN_DGUARD	open, drip-proof guarded
OPEN_DP	open, drip-proof
OPEN_EV	open, externally ventilated
OPEN_GUARD	open, guarded
OPEN_PVENT	open, pipe ventilated
OPEN_SG	open, semiguarded
OPEN_SP	open, splash-proof
OPEN_WEATI	open, weather protected - Type I
OPEN_WEATII	open, weather protected - Type II
OTHER	other
PIPE_VENT	totally enclosed, pipe ventilated
TBD	to be determined
UNKNOWN	unknown
WATER_PROOF	totally enclosed, water-proof

---

**DOMAIN NAME** type list - electric motor insul

**DEFINITION** Allowable input values for types of electric motor insullation.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
---------------------	--------------------------

## Utilities (Domains)

---

A	IEEE Std 1, 60- 70 deg C.
B	IEEE Std 1, 80- 90 deg C.
F	IEEE Std 1, 105- 115 deg C.
H	IEEE Std 1, 125- 135 deg C.
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - electric motor start

**DEFINITION** Allowable input values for types of electric motor starters.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AUTOTRN_STRT	autotransformer start
CAPCTR_RUN	capacitor run
CAPCTR_STRT	capacitor start
LINE_STRT	line start
OTHER	other
REACTR_REDUV	reactor type, reduced voltage
RESIST_REDUV	resistor type, reduced voltage
SHADED_POLE	shaded pole
SOLDSTATSTRT	solid state start
TBD	to be determined
UNKNOWN	unknown
Y_STRT_D_RUN	Y start delta run

---

**DOMAIN NAME** type list - electric phase

**DEFINITION** Allowable input values for electric phases.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
A	A phase
AB	AB phase
ABC	ABC phase
AC	AC phase
B	B phase



## Utilities (Domains)

BC	BC phase
C	C phase
TBD	to be determined
UNKNOWN	unknown

### **DOMAIN NAME** type list - electric switch

**DEFINITION** Allowable input values for types electric switches.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DISCONNECT	disconnect
ISO	ISO switch
OIL	oil switch
OTHER	other
RAC6WOIL	RAC 6way oil switch
RACOIL	RAC oil switch
RAMOIL	RAM oil switch
SOLIDBLADISC	solid blade disconnect
TBD	to be determined
UNKNOWN	unknown
VACUUM	vacuum

### **DOMAIN NAME** type list - electric transformer

**DEFINITION** Allowable input values for types of electric transformers.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DRYMOUNTED	step-down uti. dist. trans, dry type, 4160 to 480/277 volts, 3-phase, utility voltages to commercial buildings and plants, for large appliances and large motors
OTHER	other
PADMOUNTED	stepdown pad mounted trans. dry type, 30K to 4,160K volts, 3-phase, distribution voltage to utility, pole mounted residential transformers or dry mounted commercial, utility transformers
POLEMOUNTED	stepdown util. dist. trans. liq. filled, 4160 to 120/240 volts, 1-phase, utility voltages to residences and small shops, for small appliances and small motors
STEPDOWN	stepdown substation trans. liq. filled, 450K to 30K volts, 3-phase, distribution voltage to step-down pad mounted transformer
STEPUP	stepup power station trans. liq. filled, 30K to 450K volts, 3-phase, transmission voltage to utility substation
SUBMERSIBLE	Transformers used in some underground systems installed in residential areas.

## Utilities (Domains)

---

TBD	to be determined
UNKNOWN	unknown
VAULT	Transformers installed for commercial customers where adequate space is not available for pad mounted transformers.

---

### **DOMAIN NAME** type list - electric volt regul

**DEFINITION** Allowable input values for types of electric voltage regulators.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown
VOLTREG_1	1-phase, 7.5-19.9 Kvs, 50-418 amps, 7.6-19.9 Kva, metered or digital parameters, multiple microprocessor controlled step-voltage regulator.
VOLTREG_3	3-phase, 13-34 Kvs, 220-445 amps, 500-2670 Kva, metered or digital parameters, multiple microprocessor controlled step-voltage regulator.

---

### **DOMAIN NAME** type list - event

**DEFINITION** Allowable input values for an event type.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BEGIN	beginning event
END	ending event
INDEPENDENT	independent (unassociated) event
INTERMEDIATE	intermediate event
MIDPOINT	midpoint event
OTHER	other
PAUSE	pause event
TBD	to be determined
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - fitting

**DEFINITION** Allowable input values for types of fittings.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ANGLE	pipe angle
CAP	pipe cap

## Utilities (Domains)

CLEANOUT	pipe cleanout
CROSS	pipe cross
ELBOW	pipe elbow
FLANGE	pipe flange
PLUG	pipe plug
REDUCER	pipe pressure reducer
TEE	pipe tee

**DOMAIN NAME** type list - fuel gas

**DEFINITION** Allowable input values for types of fuel or gas.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ANTIFREEZE	antifreeze
AVGAS	aviation gas
BUTANEGAS	butane gas
COALGAS	coal gas
DIESELFUEL	diesel fuel
EMPTY	empty
ETHANEGAS	ethane gas
ETHANOL	ethyl alcohol
FUELOIL4	fuel oil - no. 4
FUELOIL6	fuel oil - no. 6
GASOLINE	gasoline
HYDRAULICFLD	hydraulic fluid
JP4FUEL	jet fuel 4
JP5FUEL	jet fuel 5
JP8FUEL	jet fuel 8
KEROSENE	kerosene
LQNATURALGAS	liquified natural gas
LQPETROGAS	liquified petroleum gas
LQPROPANEGAS	liquified propane gas
METHANEGAS	methane gas
METHANOL	methyl alcohol

## Utilities (Domains)

MINERALOIL	mineral oil
MOGAS	mogas
MOTOROIL	motoroil
NATGAS	natural gas
OTHER	other
PROPANEGAS	propane gas
TBD	to be determined
TRANSMISNFLD	transmission fluid
UNKNOWN	unknown
WASTEOIL	waste oil
WASTEPOLLUTE	waste pollutants

**DOMAIN NAME** type list - fuel meter

**DEFINITION** Allowable input values for types of fuel meters.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DUALCASE	pump/rotary/vanes - case in case - normal terminal
GEARCASE	metal gears - positive displacement - normal bulk plant
OTHER	other
PISTON	pump/3 piston/chamber - normal service station
ROTARY	pump/rotary/vanes - normal bulk plant
ROTARYIMPLER	rotary impeller - pressure driven - normal pipeline
TBD	to be determined
UNKNOWN	unknown

**DOMAIN NAME** type list - fuel source

**DEFINITION** Allowable input values for types of fuel sources.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

**DOMAIN NAME** type list - gas fixture

**DEFINITION** Allowable input values for types of gas fixtures.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - gas meter

**DEFINITION** Allowable input values for types of gas meters.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DIAPHRAGM	diaphragm - positive displacement - normal residence
ORIFICE	orifice - pressure drop across plate - city gate, transmission company
OTHER	other
ROTARY	rotary - impeller driven - normal commercial, industrial
TBD	to be determined
TURBINE	turbine - turbine driven, continuous flow - normal industrial
UNKNOWN	unknown

---

**DOMAIN NAME** type list - generator

**DEFINITION** Allowable input values for types of generators.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - heating-cooling

**DEFINITION** Allowable input values for the types of heating and cooling systems.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CHW	chilled water: water less than 45 deg. F.
HTW_CHW	high temp - chilled water
LTW	low temperature water: water less than 250 deg. F.
LTW_CHW	low temp - chilled water

## Utilities (Domains)

OTHER	other
S	steam
S_CHW	steam - chilled water
TBD	to be determined
UNKNOWN	unknown

### **DOMAIN NAME** type list - hydrant

**DEFINITION** Allowable input values for type of hydrants.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AIRPORT	airport hydrant
BUILDING	building hydrant
DRINKFOUNT	drinking fountain
DRYBARREL	dry barrel
FREEZEPROOF	freeze proof
FUEL	fuel hydrant
NATGAS	natural gas hydrant
OTHER	other
STREETWASH	street washer
TBD	to be determined
UNKNOWN	unknown
WASHRACK	wash rack hydrant
WATER	water hydrant
WETBARREL	wet barrel
YARD	yard hydrant

### **DOMAIN NAME** type list - laboratory

**DEFINITION** Allowable input values for types of laboratories

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CHEMICAL	chemical testing laboratory
ENVIRONMENTAL	environmental testing laboratory
GEOTECHNICAL	geotechnical (soils and rock) testing laboratory
OTHER	other

## Utilities (Domains)

---

STRUCTURAL	structural testing laboratory
TBD	to be determined
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - lagoon

**DEFINITION** Allowable input values for types of lagoons

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
LINED_FAB	lagoon with geotextile liner
LINED_SOIL	lagoon with soil liner
OTHER	other
TBD	to be determined
UNKNOWN	unknown
UNLINED	lagoon with out engineering designed liner

---

### **DOMAIN NAME** type list - manhole

**DEFINITION** Allowable input values for type of manhole/pit/junction box.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABOVEGROUND	above ground
DIST_BOX	distribution box
DRAINPIT	drain pit
OTHER	other
PIT	pit
SEEPAGEPIT	seepage pit
SUMP	sump
TBD	to be determined
UNDERGROUND	under ground
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - manhole liner

**DEFINITION** Types of liners used in neutralizing pits.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
GLASS	glass liner
OTHER	other

## Utilities (Domains)

---

PLASTIC	plastic liner
TBD	to be determined
UNKNOWN	unkown

---

### **DOMAIN NAME** type list - motor

**DEFINITION** Allowable input values for type of electrical motor.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - oil/water separator

**DEFINITION** Allowable input values for type of oil-water separators.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
API	API standard
CEMENT	cement
CONCRETE	concrete
FIBERGLASS	fiber glass
OTHER	other
PARALELPLATE	parallel plate
POLYURETHANE	polyurethane
REINFORCONCR	reinforced concrete
STEEL1	steel single
STEEL2	steel double
STEELENCASED	steel encased
TBD	to be determined
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - owner

**DEFINITION** Allowable input values for types of owners

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CABLETV	cable television company
CINEMA	motion picture company



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## Utilities (Domains)

COMMERCIAL	commercial
COMPOSTGOVRN	composting company - government
COMPOSTPRIVT	composting company - private
DISPOSALGOVR	disposal company - government
DISPOSALPRIV	disposal company - private
ELECTRIC	electric company
FUEL	fuel company
GOV_CITY	government - city
GOV_COUNTY	government - county
GOV_FEDERAL	government - federal
GOV_PARISH	government - parish
GOV_STATE	government - state
NATGAS	natural gas company
OTHER	other
PRIVATECOMP	private company
PRIVATEINDIV	private individual
RADIO	radio company
RADIO_TV	radio/television company
RECYCLEGOVRN	recycling plant - government
RECYCLEPRIVT	recycling plant - private
TBD	to be determined
TELEPHONE	telephone company
TELEVISION	television company
UNKNOWN	unknown
WASTEWATER	waste water company
WATER	water company

**DOMAIN NAME** type list - pipe

**DEFINITION** Allowable input values for type of pipe.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOX	box
CIRCULAR	circular

## Utilities (Domains)

OTHER	other
OVALONGAXHRZ	oval long axis horizontal
OVALONGAXVRT	oval long axis vertical
PERFORATPIPE	perforated pipe
PIPEARCH	pipe arch
TBD	to be determined
UNKNOWN	unknown

**DOMAIN NAME** type list - pole cable

**DEFINITION** Allowable input values for type of pole cable.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
18_7_FC	18x7 FC
19_7	19x7
3_19_FLUSHER	3x19 slusher
3_7_GRD_RAIL	3x7 guard rail
5_19_CLAD	5x19 marlin clad FC
6_12_FILLER_FC	6x12 filler wire FC
6_12_GALV_FC	6x12 galvanized running rope FC
6_19_CLAD	6x19 marlin clad
6_19_SEALE_IWRC	6x19 Seale IWRC
6_24_HAWSER	6x24 hawser
6_25_FILL_IWRC	6x25 filler wire IWRC
6_25B_FLAT_FC	6x25B flattened strand FC
6_26_WARR_IWRC	6x26 Warrington Seale IWRC
6_27H_FLAT_FC	6x27H flattened strand FC
6_3_19_SPRING	6x3x19 spring lay
6_30_HAWSER	6x30 hawser
6_30G_FLAG_FC	6x30G flattened strand FC
6_31_FILL_IWRC	6x31 filler wire IWRC
6_31_WARR_IWRC	6x31 Warrington Seale IWRC
6_36_SEALE_IWRC	6x36 Seale filler wire IWRC
6_36_WARR_IWRC	6x36 Warrington Seale IWRC

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## Utilities (Domains)

---

6_41_SEALE_IWRC	6x41 Seale filler wire IWRC
6_41_WARR_IWRC	6x41 Warrington Seale IWRC
6_42_TILLER_FC	6x42 tiller rope FC
6_46_SEALE_IWRC	6x46 Seale filler wire IWRC
6_49_FILL_FC	6x49 filler wire Seale FC
6_6_7_TILLER	6x6x7 tiller rope
6_7_FC	6x7 FC
8_19_SEALE_FC	8x19 Seale FC
8_25_FILLER_IWR	8x25 filler wire IWRC
8_9_SEALE_IWRC	8x9 Seale IWRC
BARE	bare
DUPLEX	duplex
EHS	Extra High Strength Steel
EIP	Extra Improved Plow Steel
FC	FiberCore
FE	Iron
HSS	High Strength Steel
IPS	Improved Plow Steel
IWRC	Independent Wire Rope Core
MPS	Mild Plow Steel
OTHER	other
PRIMARY	primary
PS	Plow Steel
SECONDARY	secondary
TBD	to be determined
TRIPLEX	triplex
TS	Traction Steel
UNKNOWN	unknown
WEATHRPROFCU	weatherproofed-Copper
WSC	Wire-Strand Core

## Utilities (Domains)

---

### **DOMAIN NAME** type list - pole treatment

**DEFINITION** Treatments applied to poles to improve their useful life.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CREOSOTE	The pole has been treated with creosote.
OTHER	Other, Not otherwise listed
PAINT	The pole has been painted to prevent corrosion.
TBD	To be determined
UNKNOWN	Unknown

---

### **DOMAIN NAME** type list - pole/tower

**DEFINITION** Allowable input values for type of pole or tower.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DOUBLEPOLE	double pole
OTHER	other
POLE	pole
TBD	to be determined
TOWER	tower
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - project

**DEFINITION** A descriptor indicating the general category or type of project

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CIVIL_WORKS	CORPS OF ENGINEERS CIVIL WORKS, GENERAL
COMPLIANCE	ENVIRONMENTAL COMPLIANCE
FUDS	DEPARTMENT OF DEFENSE FORMERLY USED DEFENSE SITE
IRP	DEPARTMENT OF DEFENSE INSTALLATION RESTORATION PROGRAM
MILCON	Military Department of Defense Construction Projects
OTHER	Other, Not otherwise listed.
RESTORATION	ENVIRONMENTAL RESTORATION, CLEANUP, OR REMEDIATION
SUPERFUND	ENVIRONMENTAL PROTECTION AGENCY SUPERFUND PROGRAM
TBD	TO BE DETERMINED
UNKNOWN	Unknown

## Utilities (Domains)

---

### **DOMAIN NAME** type list - pump

**DEFINITION** Allowable input values for type of pump.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
SUBMURCTFG	submersible/centrifugal
SUBMURTRBN	submersible/turbine
TBD	to be determined
UNKNOWN	unknown
VERTLFTCTFG	vertical lift/centrifugal
VERTLFTDISPL	vertical lift/displacement
VERTLFTMAG	vertical lift/magnetic
VERTLFTTRBN	vertical lift/turbine

---

### **DOMAIN NAME** type list - regulator

**DEFINITION** Allowable input values for type of non-electrical regulator.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
PRESSREDVAL	pressure reducing valve
REDUCER	reducer
REGULATOR	regulator

---

### **DOMAIN NAME** type list - reservoir

**DEFINITION** Allowable input values for types of reservoirs

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
LAGOON	lagoon
LAKE	lake
OTHER	other
POND	pond
TANK	tank
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

**DOMAIN NAME** type list - sewage test

**DEFINITION** Allowable input values for type of sewage test.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOD	biological O2 dissolved
COD	chemical O2 dissolved
DO	dissolved O2
FC	fecal coliform
OTHER	other
SS	suspended solids
TBD	to be determined
TC	total coliform bacteria
UNKNOWN	unknown

---

**DOMAIN NAME** type list - sheath insulate

**DEFINITION** Allowable input values for type of sheathing or insulation.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ASBEST_SIL	asbestos-silicone bond
ASBESTOS	asbestos
CAMBRIC_PB_COV	varnished cambric, Pb covered
CELLULOSE	cellulose-acetate fiber
COTTON_YARN	cotton yarn
DOUBLE_TAPE	double tape armored
FIBER_PAPER	polyimide fiber paper
GLASS_FIBER	glass fiber-organic bond
GLASS_ORGANIC	glass/polyesterfib-organic bond
GLASS_SILICONE	glass/polyesterfib-silicone bond
JUTE	jute protected
NEOPRENE	neoprene
OPEN_WIRE	open wire
OTHER	other
PAPER	paper

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## Utilities (Domains)

PAPER_PB_COV	paper insulated Pb covered
PB_ARMOR	Pb armored
PB_COVER	Pb covered
PLASTIC_CLAD	plastic clad
PLASTIC_GEL	plastic, gel-filled
POLY_CROSS	polyethylene (XLPE), cross-linked
POLY_FOAM	polyethylene (PE), foamed
PPP	polypropylene (PPP)
PVC	polyvinyl chloride
QUAD_TAPE	quad tape, armored
RUBBER_BUT	rubber-butyl
RUBBER_EPT	rubber-EPT
RUBBER_NBR	rubber-NBR
SHIELDED	shielded
TAPE_ARMOR	tape armored
TBD	to be determined
TFE	polytetrafluoroethylene (TFE)
WEATHERPROOF	weatherproofed
WIRE_ARMOR	single wire, armored

### **DOMAIN NAME** type list - station

**DEFINITION** Allowable input values for type of station (booster, pump, electrical substation, etc.)

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOOSTER	booster station
METER	Metering Station
OTHER	other
PPSP	Propane Peak Shaving Station
PRESS_REDUCE	pressure reducing station
PUMP	pumping station
SUBSTATION	electrical substation
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

**DOMAIN NAME** type list - stilling basin

**DEFINITION** Allowable input values for type of stilling basin.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BAFFLE	baffle block basin
FLIPBUCK	flip bucket
IMPACT	impact basin
OTHER	other
RIPRAP	riprap
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** type list - structure

**DEFINITION** Type of a building/structure.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
APARTMENT	apartment building
BARN	barn
CHURCH	church/temple
CONDO	condominium
DUPLEX	house, duplex
FACTORY	factory
HANGER	hanger
HOUSE	house, single family
OFFICE	office building
OTHER	other
SKYSCRAPER	skyscraper
SURVIVALSHLT	survival shelter
TBD	to be determined
TOWNHOUSE	townhouse
WAREHOUSE	warehouse



## Utilities (Domains)

---

### **DOMAIN NAME** type list - substation

**DEFINITION** Allowable input values for type of electrical substation.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DISTRIBUTION	Substations located in the middle of a load area.
OTHER	other
SUBTRANSMISSION	Electric substations with equipment used to switch circuits operating at voltages in the range of 34.5 to 161kV.
TBD	to be determined
TRANSMISSION	A substation which uses alternating current which contains equipment used to sectionalize the system when a fault or circuit develops.
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - substation frame

**DEFINITION** Allowable input values for type of substation framing.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

### **DOMAIN NAME** type list - treatment plant

**DEFINITION** Allowable input values for type of water or wastewater treatment plant.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AERATOR	aerator
AEROBIC	aerobic
ANAEROBIC	anaerobic
BIOLOGIC	biological treatment process
CHEMICALTRET	chemical treatment process
FACULTATIVE	facultative
GARBAGEINCIN	garbage incinerator plant
INDUSTRIALWS	industrial waste treatment plant
OTHER	other
SEWAGETREAT	sewage treatment plant
TBD	to be determined

## Utilities (Domains)

---

UNKNOWN	unknown
WATERTREAT	water treatment plant

---

**DOMAIN NAME** type list - utility

**DEFINITION** Allowable input values for type of utility.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CABELTV	cable television
COMMUNICATE	communication/telephone system
ELECTRICAL	electrical
FUEL	fuel system
INDUSTRIAL	industrial waste system
NATGAS	natural gas system
OTHER	other
SANITARY	sanitary system
TBD	to be determined
UNKNOWN	unknown
WATER	water system

---

**DOMAIN NAME** type list - utility guy

**DEFINITION** Allowable input values for type of utility guy.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ANCHOR_GUY	anchor guy
BUILDING_GUY	building guy
COMPRESS_GUY	compressive guy
DOWN_GUY	down guy
OTHER	other
SPAN_GUY	span guy
STUB_GUY	stub guy
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

**DOMAIN NAME** type list - water flow control

**DEFINITION** Allowable input values for type of water flow control.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
GATE	gates
METER	meter
OTHER	other
STILLBASIN	stilling basin
TBD	to be determined
UNKNOWN	unknown
WEIR	weir

---

**DOMAIN NAME** type list - water meter

**DEFINITION** Allowable input values for type of water meter.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AUTOREDCNTRL	automated meter reading - centralized system
AUTOREDPITPR	automated meter reading - pit probe
AUTOREDTPAD	automated meter reading - touch pad
COMPOUND	piston/turbine - single register
DETECTOR	detector check valve - turbine - fire line, sprinklers
GENEREMOTE	generator remote system - compound and propeller meters
HYDRANT	hydrant meter at fire hydrant - turbine
IRRIGATE	irrigation meters - continuous, high flows
OTHER	other
PISTON	oscillating piston - positive displacement - normal residence
PROPELLER	propeller meters - continuous, high flows
TBD	to be determined
TURBINE	turbine - turbine driven, continuous flow - normal industrial
UNKNOWN	unknown
WEIR	open channel weir

## Utilities (Domains)

**DOMAIN NAME** type list - water source

**DEFINITION** Allowable input values for types of water sources

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ARROYO	arroyo/draw/wash
ARTISAN_WELL	artisan well
BAYOU	bayou
CREEK	creek
DEEPWELL	deep well
DRY_PLAYA	dry playa
GEYSER	geyser
GLACIER	glacier
GULF	gulf
HAIL	hail
ICEBERG	iceberg
LAKE	lake
OCEAN	ocean
OTHER	other
POND	pond
RAINFALL	rainfall
RESERVOIR	reservoir
RIME	hoarfrost, dew, condensed fog
RIVER	river
RUNOFF	runoff
SLEET	sleet
SLOUGH	slough
SNOWFALL	snowfall
SPRING	spring
STREAM	stream
SWAMP	swamp
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

---

WET_PLAYA	wet playa
-----------	-----------

---

**DOMAIN NAME** type list - winding connection

**DEFINITION** Allowable input values for type of electrical winding connection.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
DELTA	delta
GROUNDY_Y	grounded wye
HIGHLEG_DELTA	high-leg delta
OPEN_DELTA	open delta
OTHER	other
TBD	to be determined
UNKNOWN	unknown
Y	wye

---

**DOMAIN NAME** unit of measure - angular

**DEFINITION** Angular units of measure.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ARCSEC	arc seconds
DDMMSS	degrees:minutes:seconds
DEG	degrees
GRADE	grades
MICRORAD	microradians
MILLIRAD	milliradians
MINUTES	minutes
OTHER	other
PCT	percent
RAD	radians
SEC	seconds
STERAD	steradians
TBD	to be determined
UNKNOWN	unknown

## Utilities (Domains)

**DOMAIN NAME** unit of measure - area

**DEFINITION** Area units of measure.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ACRES	acres - 43,560 sq. feet
ARES	ares - 1 sq. dekameter
CM2	square centimeters - 0.115 sq. inches
DA	deciars - 11.96 sq. yards
DM2	square decimeters - 15.5 sq. inches
HA	hectares - 2.471044 acres
KM2	square kilometers - .3861006 sq. miles
M2	square meters - 10.76387 sq. feet - 1 centare
MI2	square miles - 640 acres
MM2	square millimeters - 0.00155 sq. inches
OTHER	other
RDS	square rods - 30.25 sq. yards
SF	square feet - 144 sq. inches
SI	square inches - 6.4516258 sq. cm.
SQCH	square chains (Surveyor) - 4356 sq. feet - 16 sq. rods
TBD	to be determined
UNKNOWN	unknown
YD2	square yard - 0.83613 sq. meters

**DOMAIN NAME** unit of measure - electric

**DEFINITION** Electrical energy units of measure.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AMP	ampere - current
ATTEN_LOSS	attenuation loss
ATTO	atto (10 <sup>-18</sup> )
BD	baud - signaling rate
BTU	British thermal unit - energy
BW	bandwidth

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## Utilities (Domains)

---

CD	candela - luminous intensity
CENTI	centi (10x-2)
D	deci (10x-1)
DA	deca (10x1)
DYN	dyne - force
E	exa (10x18)
ERG	erg - energy
EV	electronvolt - energy
F	femto (10x-15)
FARAD	farad - capacitance
G	giga (10x9)
GB	gilbert - magnetomotive force
H	hecto (10x2)
HENRY	henry - inductance
HP	horsepower - power
HP_HR	horsepower hour - energy
HZ	hertz - frequency
JOULE	joule - energy
KA	kiloampere - current
KEV	kiloelectronvolt - energy
KHZ	kilohertz - frequency
KILO	kilo (10x3)
KJ	kilojoule - energy
KOHM	kilohm - resistance
KV	kilovolt - potential
KVA	kilovolt ampere - power (absolute)
KVAR	kilovolt ampere reactive
KW	kilowatt - power
KWH	kilowatt hour - energy
MEGA	mega (10x6)
MICRO	micro (10x-6)
MILLI	milli (10x-3)

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## Utilities (Domains)

NANO	nano (10x-9)
OE	oerstad - magnet field strength
OHM	ohm - resistance, impedance, reactance
OTHER	other
P_F_	power factor
PERCENT	percent
PETA	peta (10x15)
PICO	pico (10x-12)
Q	coulomb - electric charge
RELS	reluctance - opposition to magnetic flux flow
SIEMENS	siemens - conductance, mho
TBD	to be determined
TERA	tera (10x12)
TESLA	tesla - magnetic flux density
UNKNOWN	unknown
V	volt - potential
W	watt - power
W_CM2	watts per square centimeter - power per area
WEBER	weber - magnetic flux

**DOMAIN NAME** unit of measure - length

**DEFINITION** Length units of measure.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CABLN	cable lengths - 720 feet
CH	chains - 66 feet or 100 links (Gunter)
CM	centimeters
EM	ems - 0.166667 inches
EN	ens - 0.083333 inches
FATHOM	fathoms - 6 feet
FT	feet - 0.3048006 meters
FURLONG	furlongs - 0.125 miles or 40 rods (Gunter)
HAND	hands - 4 inches, 10.160 centimeters



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## Utilities (Domains)

IN	inches - 0.126263 links (Gunter) or 2.54 centimeters
KM	kilometers - 0.53961 miles or 3280.8 feet
LEAGUE	league - 3 statute miles or 4.8280 kilometers
LINK	links - 7.92 inches or 0.04 rods (Gunter)
M	meters - 1.093614 yards or 39.3701 inches
MI	miles - 80 chains (Gunter) or 320 rods
MIL	mils - 0.001 inches
MINLAT	minutes of latitude
MM	millimeters - 0.03937 inches
MYM	myriameters - 6.21372 miles
NLEAGUE	nautical leagues - 3 nautical miles or 5.5597 kilometers
NM	nautical miles - 1.1516 statute miles
OTHER	other
PICA	picas - 0.166666 inches or 12 points
POINT	point - 0.1384 inches
RD	rods - 0.25 chains (Gunter) or 5.5 yards
TBD	to be determined
UM	micrometers - 0.00003937 inches

**DOMAIN NAME** unit of measure - pressure

**DEFINITION** Pressure units of measure.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BARYEA	barye - dynes/cm <sup>2</sup> (absolute)
BARYEG	barye - dynes/cm <sup>2</sup> (gauge)
INH2OA	inches of water at 4°C. (absolute)
INH2OG	inches of water at 4°C. (gauge)
INHGA	inches of mercury at 0°C. (absolute)
INHGG	inches of mercury at 0°C. (gauge)
MEGABARYEA	megabarye - 1,000,000 barye (absolute)
MEGABARYEG	megabarye - 1,000,000 barye (gauge)
MMGA	millimeters of Hg at 0°C. (absolute)
MMGG	millimeters of Hg at 0°C. (gauge)

## Utilities (Domains)

MMHG	millimeters of Hg (torr)
OTHER	other
PSFT	pounds/ft2
PSI	pounds/in2
PSIA	pounds/in2 (absolute)
PSIG	pounds/in2 (gauge)
TBD	to be determined
UNKNOWN	unknown

**DOMAIN NAME** unit of measure - rate

**DEFINITION** Rate units of measure.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
BOILER_HP	boiler horsepower, 33,520 BTU per hour, measure of heating ability
BTU_HR	British thermal units per hour
BTU_MIN	British thermal units per minute
BTU_SEC	British thermal units per sec
C_HR	degrees Celsius per hour
C_MIN	degrees Celsius per minute
C_SEC	degrees Celsius per second
CC_HR	cubic centimeters per hour
CC_MIN	cubic centimeters per minute
CC_SEC	cubic centimeters per second
CF_HR	cubic feet per hour
CF_MIN	cubic feet per minute
CF_SEC	cubic feet per second
CI_HR	cubic inches per hour
CI_MIN	cubic inches per minute
CI_SEC	cubic inches per second
CM_DA	centimeters per day
CM_HR	centimeters per hour
CM_YR	centimeters per year
F_HR	degrees Fahrenheit per hour

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## Utilities (Domains)

---

F_MIN	degrees Fahrenheit per minute
F_SEC	degrees Fahrenheit per second
FT_DAY	feet per day
FT_HR	feet per hour
FT_MIN	feet per minute
FT_MO	feet per month
FT_SEC	feet per second
FT_WK	feet per week
FT_YR	feet per year
G_CC	grams per cubic centimeter
G_HR	grams per hour
G_L	grams per liter
G_MIN	grams per minute
G_SEC	grams per second
GPD	gallons per day
GPH	gallons per hour
GPM	gallons per minute
GPS	gallons per second
IN_DAY	inches per day
IN_HG	inches of mercury
IN_HR	inches per hour
IN_MIN	inches per minute
IN_MO	inches per month
IN_SEC	inches per second
IN_WK	inches per week
IN_YR	inches per year
K_HR	degrees Kelvin per hour
K_MIN	degrees Kelvin per minute
K_SEC	degrees Kelvin per second
KG_HR	kilograms per hour
KG_MIN	kilograms per minute
KG_SEC	kilograms per second

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## Utilities (Domains)

---

KM_HR	kilometers per hour
KNOT	knots
L_HR	liters per hour
L_MIN	liters per minute
L_SEC	liters per second
LB_DAY	pounds per day
LB_HR	pounds per hour
LB_MIN	pounds per minute
LB_MONTH	pounds per month
LB_SEC	pounds per second
LB_WK	pounds per week
LB_YR	pounds per year
M_HR	meters per hour
M_MIN	meters per minute
M_SEC	meters per second
M3_HR	cubic meters per hour
M3_MIN	cubic meters per minute
M3_SEC	cubic meters per second
MACH	mach (speed of sound)
MGAL_DAY	million gallons per day
MPH	miles per hour
OTHER	other
PSI	pounds per square inch
TBD	to be determined
TIMES_DAY	times per day
TIMES_HR	times per hour
TIMES_MIN	times per minute
TIMES_MO	times per month
TIMES_SEC	times per second
TIMES_WK	times per week
TIMES_YR	times per year
TNSH_DAY	tons (short) per day

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## Utilities (Domains)

---

TNSH_HR	tons (short) per hour
TNSH_MIN	tons (short) per minute
TNSH_MO	tons (short) per month
TNSH_SEC	tons (short) per second
TNSH_WK	tons (short) per week
TNSH_YEAR	tons (short) per year
TONS	12,000 BTU per hour, measure of cooling ability
UNKNOWN	unknown

---

**DOMAIN NAME** unit of measure - temperature

**DEFINITION** Temperature units of measure.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
A	degrees Absolute
C	degrees Celcius
F	degrees Fahrenheit
K	degrees Kelvin
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** unit of measure - volume

**DEFINITION** Volume units of measure.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AFT	acre feet
BDFT	board feet
CC	cubic centimeters
CD	cords
CDFT	cord-foot
CF	cubic feet
CI	cubic inches
CY	cubic yards
HL	hectoliters

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## Utilities (Domains)

---

HM	hectometer
KL	kiloliters
KM3	cubic kilometers
L	liters
M3	cubic meters - stere
MI3	cubic miles
ML	milliliters
MM3	cubic millimeters
OTHER	other
TBD	to be determined
TUN	tun
UAGI	gills (U.S.liquid)
UKBBL	dry barrels (U.K.dry)
UKBUDRY	bushels (U.K.dry)
UKGAL	gallons (U.K.liquid)
UKGI	gills (U.K.liquid)
UKHHD	hogsheads (U.K.liquid)
UKPK	peck (U.K.dry)
UKPT	liquid pints (U.K.liquid)
UKQT	liquid quarts (U.K.liquid)
UNKNOWN	unknown
USBBL_DRY	dry barrels (U.S.dry)
USBBL_LIQ	liquid barrels (U.S.liquid)
USBUDRY	bushels (U.S.dry)
USGAL	gallons (U.S.liquid)
USHHD	hogsheads (U.S.liquid)
USPK	peck (U.S.dry)
USPT_DRY	dry pints (U.S.dry)
USPT_LIQ	liquid pints (U.S.liquid)
USQT_DRY	dry quarts (U.S.dry)
USQT_LIQ	liquid quarts (U.S.liquid)

## Utilities (Domains)

---

**DOMAIN NAME** unit of measure - weight

**DEFINITION** Weight units of measure.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CARAT	carats
CWT	short hundredweights - cental
DWT	pennyweights
GM	grams
GS	grains
KG	kilograms
KTONS	kilotons
LB	pounds (Avoirdupois)
LBT	pounds (Troy)
MG	milligrams
OTHER	other
OZ	ounces (Avoirdupois)
OZT	ounces (Troy)
QNT	quintals
T	tonnes (metric) - millier
TBD	to be determined
TNL	tons (long)
TNSH	tons (short)
UNKNOWN	unknown

---

**DOMAIN NAME** use list - electric cable

**DEFINITION** Allowable input values for electric cable use.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ABANDONED	abandoned/inactive cable
OTHER	other
PRIMARY_OH	primary overhead cable
PRIMARY_UG	primary underground cable
SECONDARY_OH	secondary overhead cable

## Utilities (Domains)

SECONDARY_UG	secondary underground cable
SERVICE_OH	service, overhead cable
SERVICE_UG	service, underground cable
TBD	to be determined
UNKNOWN	unknown

**DOMAIN NAME** use list - electric device

**DEFINITION** Allowable input values for electric device use.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
ACPOWERPANEL	ac power panel
ALARMPULLBOX	alarm pullbox
BATTERY	battery
CAPACITOR	capacitor
CIRCUITBREAK	circuit breaker
COMMERCIAL	commercial service
DCPOWERPANEL	dc power panel
DISTRIBFRAME	distribution frame
DISTRIBPANEL	distribution panel
ELEC_METER	electric meter
ELEC_MOTOR	electric motor
FIELDINTERFC	field interface
GENERATOR	generator
GROUND	ground
INTDISTRFRAM	intermediate distribution frame
JUNCTIONBOX	junction box
LIGHT	light
LOAD_POINT	load point
MAINDISTRFRAM	main distribution frame
OTHER	other
PEDESTAL	pedestal
RECTIFIER	rectifier
RESIDENTIAL	residential service



## Utilities (Domains)

---

SPLICE	splice
SWITCH	switch
TBD	to be determined
TRAFFICSIGNL	traffic signal
TRANSFORMER	transformer
TRFSIGCONBOX	traffic signal control box
UNKNOWN	unknown
VOLTREGULATE	voltage regulator

---

**DOMAIN NAME** use list - gas fixture

**DEFINITION** Allowable input values for gas fixture use.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
EX_LIGHT	exterior light
IN_LIGHT	interior light
OTHER	other
SEC_LIGHT	security light
ST_LIGHT	street light
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** use list - pump

**DEFINITION** Allowable input values for pump use.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
AIR	air
CHEMICALS	chemicals
CHILLWATER	chilled water
FREON	freon
GASOLINE	gasoline
HOTWATER	hot water
LIQUIDFUEL	liquid fuel
NATGAS	natural gas
OIL	oil

## Utilities (Domains)

---

OTHER	other
SANITATION	sanitation sewage
SLUDGE	sludge
STEAM	steam
STORMWATER	storm/rainwater
TBD	to be determined
UNKNOWN	unknown
WASTEWATER	wastewater
WATER	water

---

**DOMAIN NAME** use list - reservoir

**DEFINITION** Allowable input values for types of reservoir useage

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
FISH_WILD	fish and wildlife
HYDRO	hydropower
OTHER	other
RECREAT	recreation
TBD	to be determined
TMPHOLD	temporary holding basin
UNKNOWN	unknown
WATERSUP	water supply

---

**DOMAIN NAME** use list - tank

**DEFINITION** Allowable input values for tank use.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CHEMICAL	chemical
DISPOSAL	disposal tank
FUEL	fuel
NATGAS	natural gas
OTHER	other
POTWATER	potable water
PROPGAS	propane gas

## Utilities (Domains)

---

RAWWATER	raw water
SEPTIC_TANK	septic tank
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** use list - valve

**DEFINITION** Allowable input values for valve use.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
CHECK	check or one-way valve
CONTROL	control valve
DRAIN	drain/flush valve
MAIN	main control valve
OTHER	other
SERVICE	service control valve
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** value list - BIL kv

**DEFINITION** Allowable input values for Basic Insulation Level rating.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
15KV	15kv basic insulation level
25KV	25kv basic insulation level
5KV	5kv basic insulation level
OTHER	other
TBD	to be determined

---

**DOMAIN NAME** value list - boolean

**DEFINITION** Boolean (True/False or 0/1 expressions)

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
NO	no
YES	yes

## Utilities (Domains)

**DOMAIN NAME** value list - electric kvar

**DEFINITION** Allowable input values for kvar.

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
10	10 kvar
100	100 kvar
1000	1000 kvar
10000	10000 kvar
112.5	112.5 kvar
112_5	112.5 kvar
1250	1250 kvar
14K20K	14000 20000 kvar
15	15 kvar
150	150 kvar
1500	1500 kvar
167	167 kvar
16K22K	16000 22000 kvar
225	225 kvar
25	25 kvar
250	250 kvar
300	300 kvar
333	333 kvar
37.5	37.5 kvar
37_5	37.5 kvar
3750	3750 kvar
45	45 kvar
50	50 kvar
500	500 kvar
5000	5000 kvar
55	55 kvar
7.5	7.5 kvar
7_5	7.5 kvar

## Utilities (Domains)

---

75	75 kvar
750	750 kvar
775	775 kvar
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** value list - hertz

**DEFINITION** Allowable input values for hertz (electrical frequency).

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
OTHER	other
TBD	to be determined
UNKNOWN	unknown

---

**DOMAIN NAME** value list - pipe diameter

**DEFINITION** Allowable input values for pipe diameter.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
0.25	1/4 inch (0.25 inch)
0.5	1/2 inch (0.5 inch)
0.75	3/4 inch (0.75 inch)
0_25	1/4 inch (0.25 inch)
0_5	1/2 inch (0.5 inch)
0_75	3/4 inch (0.75 inch)
1	1 inch (1.0 inch)
1.25	1 1/4 inch (1.25 inches)
1.5	1 1/2 inch (1.5 inches)
1.75	1 3/4 inch (1.75 inches)
1_25	1 1/4 inch (1.25 inches)
1_5	1 1/2 inch (1.5 inches)
1_75	1 3/4 inch (1.75 inches)
10	10 inch (10.0 inches)
12	12 Inch (12.0 inches)

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## Utilities (Domains)

---

2	2 inch (2.0 inches)
2.5	2 1/2 inch (2.5 inches)
2_5	2 1/2 inch (2.5 inches)
20	20 Inch (20.0 inches)
3	3 inch (3.0 inches)
4	4 inch (4.0 inches)
6	6 inch (6.0 inches)
8	8 inch (8.0 inches)
OTHER	other
TBD	to be determined

---

**DOMAIN NAME** value list - sic

**DEFINITION** A local list of subspecialty codes for vendors.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
NA	not applicable
UNKNOWN	unknown

---

**DOMAIN NAME** value list - voltage

**DEFINITION** Allowable input values for voltage.

---

<b><u>VALUE</u></b>	<b><u>DEFINITION</u></b>
110V	110 volts
115000V	115,000 volts
115V	115 volts
120_240V	120/240 volts
12000V	12,000 volts
12000Y_6930V	12,000Y/6,930 volts
120V	120 volts
12470V	12,470 volts
12470Y_7200V	12,470Y/7,200 volts
12V	12 volts
13200V	13,200 volts
13200Y_7620V	13,200Y/7,620 volts

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## Utilities (Domains)

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138000V	138,000 volts
15000V	15,000 volts
15930V	15,930 volts
19920V	19,920 volts
20780V	20,780 volts
20780Y_12000V	20,780Y/12,000 volts
208V	208 volts
208Y_120V	208Y/120 volts
220V	220 volts
22860V	22,860 volts
22860Y_13200V	22,860Y/13,200 volts
230000V	230,000 volts
230V	230 volts
2400V	2,400 volts
240V	240 volts
24940V	24,940 volts
24940Y_14400V	24,940Y/14,400 volts
24V	24 volts
27600V	27,600 volts
27600Y_15930V	27,600Y/15,930 volts
277V	277 volts
345000V	345,000 volts
34500V	34,500 volts
34500Y_19920V	34,500Y/19,920 volts
400V	400 volts
4160V	4,160 volts
4160Y_2400V	4,160Y/2400 volts
43800V	43,800 volts
460V	460 volts
4800V	4,800 volts
480V	480 volts
480Y_277V	480Y/277 volts

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### Utilities (Domains)

---

48V	48 volts
500000V	500,000 volts
5000V	5,000 volts
52V	52 volts
600V	600 volts
69000V	69,000 volts
7200V	7,200 volts
7620V	7,620 volts
765000V	765,000 volts
7970V	7,970 volts
8320V	8,320 volts
OTHER	other
TBD	to be determined
UNKNOWN	unknown