

## Building Energy Data Exchange Specification (BEDES) Compliant Mapping

<b>Date</b>	3/14/2016
<b>Implementation</b>	BuildingSync
<b>Implementation Version</b>	V2.0
<b>BEDES Version</b>	V1.2

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For more information about BEDES, please visit <https://bedes.lbl.gov/bedes-online>

## Mapping of BuildingSync Version 2.0 to BEDES Version 1.2 - Project Data (Draft 3/14/16)

Enumerations are only listed when there is a difference between BuildingSync and BEDES, otherwise "[value]" is used.

The BuildingSync enumerations must include all values to allow mapping, but some values in the corresponding BEDES term may not be used.

BEDES: notes in red text, yellow highlighting

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
Site	Occupancy Classification	[value]	n/a	Occupancy Classification	=[value]	n/a			
	Identifier Label	Premises	n/a	Identifier Label	Premises	n/a			
		Listing	n/a		Listing	n/a			
		Name	n/a		Name	n/a			
		Portfolio Manager Property ID	n/a		Portfolio Manager Property	n/a			
		Portfolio Manager Standard	n/a		Other	n/a			
		Federal real property	n/a		Federal real property	n/a			
		Tax book number	n/a		Tax book number	n/a			
		Tax map number	n/a		Tax map number	n/a			
		Assessor parcel number	n/a		Assessor parcel number	n/a			
		Tax parcel letter	n/a		Tax parcel letter	n/a			
		Custom	n/a		Custom	n/a			
	Other	n/a	Other	n/a					
	Identifier Custom Name	[value]	n/a	(No corresponding field)					
	Identifier Value	[value]	n/a	Identifier Value	=[value]	n/a			
	Street Address Detail	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Street Address	[value]	n/a	Address Line 1	=[value]	n/a			
	Street Number Prefix	[value]	n/a	Address Number Prefix	=[value]	n/a			
	Street Number Numeric	[value]	n/a	Address Number	=[value]	n/a			
	Street Number Suffix	[value]	n/a	Address Number Suffix	=[value]	n/a			
	Street Dir Prefix	[value]	n/a	Street Name Pre Directional	=[value]	n/a			
	Street Name	[value]	n/a	Street Name	=[value]	n/a			
	Street Additional Info	[value]	n/a	Address Line 2	=[value]	n/a			
	Street Suffix	[value]	n/a	Street Name Post Type	=[value]	n/a			
	Street Dir Suffix	[value]	n/a	Street Name Post Directional	=[value]	n/a			
	Street Suffix Modifier	[value]	n/a	Street Name Post Modifier	=[value]	n/a			
	Subaddress Type	[value]	n/a	Subaddress Type	=[value]	n/a			
	Subaddress Identifier	[value]	n/a	Subaddress Identifier	=[value]	n/a			
	City	[value]	n/a	City	=[value]	n/a			
	State	[value]	n/a	State	=[value]	n/a			
	Postal Code	[value]	n/a	ZIP Code	=[value]	n/a			
	Postal Code Plus 4	[value]	n/a	ZIP Plus 4	=[value]	n/a			
	County	[value]	n/a	County	=[value]	n/a			
	Country	[value]	n/a	Country Name	=[value]	n/a			
	Climate Zone Type	[value]	n/a	Climate Zone Type	=[value]	n/a			
	Climate Zone: ASHRAE	[value]	n/a	Climate Zone	=[value]	n/a			
	Climate Zone: Energy Star	[value]	n/a	Climate Zone	=[value]	n/a			
	Climate Zone: California Title 24	[value]	Climate Zone 1	Climate Zone	1	n/a			
		[value]	Climate Zone 2		2	n/a			
		[value]	Climate Zone 3		3	n/a			
		[value]	Climate Zone 4		4	n/a			
		[value]	Climate Zone 5		5	n/a			
		[value]	Climate Zone 6		6	n/a			
		[value]	Climate Zone 7		7	n/a			
		[value]	Climate Zone 8		8	n/a			
		[value]	Climate Zone 9		9	n/a			
		[value]	Climate Zone 10		10	n/a			
[value]		Climate Zone 11	11		n/a				
[value]		Climate Zone 12	12		n/a				
[value]		Climate Zone 13	13		n/a				
[value]		Climate Zone 14	14		n/a				
[value]		Climate Zone 15	15		n/a				
[value]		Climate Zone 16	16		n/a				
Climate Zone: IECC	[value]	n/a	Climate Zone	=[value]	n/a				
Climate Zone: Building America	[value]	n/a	Climate Zone	=[value]	n/a				
Climate Zone: CB ECS	[value]	n/a	Climate Zone	=[value]	n/a				
Climate Zone: DOE	[value]	n/a	Climate Zone	=[value]	n/a				
Climate Zone: Other	[value]	n/a	Climate Zone	Other	n/a				
eGRID Region Code	[value]	n/a	eGRID Region Code	=[value]	n/a				
Weather Data Station ID	[value]	n/a	Weather Data Station ID	=[value]	n/a				
Weather Station Name	[value]	n/a	Weather Station Name	=[value]	n/a				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Weather Station Category	[value]	n/a	Weather Station Category	= [value]	n/a			
	Longitude	[value]	degrees	Longitude	= [value]	degrees			
	Latitude	[value]	degrees	Latitude	= [value]	degrees			
	Field Name	[value]	n/a	(No corresponding field)					This is a user-defined field in BuildingSync, providing flexibility when needed at various points in the schema. It cannot be mapped to BEDES.
	Field Value	[value]	n/a	(No corresponding field)					This is a user-defined field in BuildingSync, providing flexibility when needed at various points in the schema. It cannot be mapped to BEDES.
Customer	Contact Role	Premises		Contact Label	Premises				
		Occupant			Occupant				
		Agency			Agency				
		Owner			Owner				
		Customer			Customer				
		Customer agreement			Customer agreement				
		Administrator			Administrator				
		Qualified Assessor			Qualified assessor				
		Contributor			Contributor				
		Property Management Company			Property management company				
		Operator			Operator				
		Energy Auditor			Energy auditor				
		Energy Modeler			Energy modeler				
		Contractor			Contractor				
		Implementer			Implementer				
		Financier			Financier				
		Commissioning Agent			Commissioning agent				
		MV Agent			MV agent				
		Evaluator			Evaluator				
		Builder			Builder				
		Service			Service				
		Billing			Billing				
		Architect			Architect				
	Mechanical Engineer		Mechanical engineer						
	Energy Consultant		Energy consultant						
	Service and Product Provider		Service and product provider						
	Authority Having Jurisdiction		Authority having jurisdiction						
	Utility		Utility						
	Power plant		Power plant						
	Electric Distribution Utility (EDU)		Electric distribution utility						
	ESCO		Service and product provider						
	Facilitator		Agency						
	Finance Specialist		Administrator						
	Other		Other						
	Contact Name	[value]	n/a		Full Name	= [value]	n/a		
	Contact Company	[value]	n/a		Company Name	= [value]	n/a		
	Contact Telephone Number	[value]	n/a		Telephone Number	= [value]	n/a		
	Contact Telephone Number Label	Days			Telephone Number Label	Day			
		Evenings				Evening			
		Cell				Mobile			
		Other				Other			
	Contact Email Address	[value]	n/a		Email Address	= [value]	n/a		
Contact Email Address Label	[value]	n/a		Email Address Label	= [value]	n/a			
Federal Building	[value]	n/a		(No corresponding field)					
Agency	[value]	n/a		Contact Label					
				Company Name	= [value]	n/a			
Department Region	[value]	n/a		Federal Department or Region	= [value]	n/a			
Portfolio Manager	[value]	n/a		(No corresponding field)					
PM Benchmark Date	[value]	n/a		Assessment Tool	Portfolio Manager	n/a			
				CCYY-MM-DD	Benchmark Date	= [value]	CCYY-MM-DD		
Building Profile Status	[value]	n/a		Assessment Tool	Portfolio Manager	n/a			
					Account Status	= [value]	n/a		

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes		
	Federal Sustainability Checklist Completion Percentage	[value]	%	Federal Sustainability Checklist Completion Percentage	=[value]	%					
Facility	Height Distribution	[value]	n/a	Height Distribution	=[value]	n/a			"Variable Height" in BEDES is not used. It's not clear how this is different from "Multiple Heights"		
	Facility Classification	[value]	n/a	Occupancy Classification	=[value]	n/a					
	Aspect Ratio	[value]	n/a	Aspect Ratio	=[value]	n/a					
	Perimeter	[value]	ft	Perimeter	[value]	n/a	=[value]				
					Unit of Measure	ft	n/a				
	Ownership	[value]	n/a	Ownership	=[value]	n/a			"For-profit organization" and "Non-profit organization" were added to BEDES 1.1, but probably should not be used in BuildingSync because they overlap with other values.		
	Occupant Type	[value]	n/a	Occupant Type	=[value]	n/a					
	Occupant Quantity Type	[value]	Peak total occupants	n/a	Occupant Quantity Type	Peak total occupants	n/a				
			Adults	n/a		Adults	n/a				
			Children	n/a		Children	n/a				
			Average residents	n/a		Average residents	n/a				
			Workers on main shift	n/a		Workers on main shift	n/a				
			Full-time equivalent workers	n/a		Full-time equivalent workers	n/a				
			Average daily salaried labor hours	n/a		Average daily salaried labor hours	n/a				
			Registered students	n/a		Registered students	n/a				
			Staffed beds	n/a		Staffed beds	n/a				
			Licensed beds	n/a		Licensed beds	n/a				
			Capacity	n/a		Capacity	n/a				
			Capacity percentage	n/a		Capacity percentage	n/a				
			Occupant Quantity	[value]		n/a	Quantity	=[value]	n/a		Decimal in BuildingSync must be rounded off to an integer in BEDES.
	Percent Occupied by Owner	[value]	%	Percent Occupied by Owner	=[value]	%					
	Assessment Program	[value]	n/a	Assessment Program	=[value]	n/a					
	Assessment Level	[value]	Bronze	n/a	Assessment Level	Bronze	n/a				
			Silver	n/a		Silver	n/a				
			Gold	n/a		Gold	n/a				
			Emerald	n/a		Emerald	n/a				
			Certified	n/a		Certified	n/a				
			Bronze	n/a		Bronze	n/a				
			Silver	n/a		Silver	n/a				
			Gold	n/a		Gold	n/a				
Platinum			n/a	Platinum		n/a					
One Star			n/a	One Star		n/a					
Two Star			n/a	Two Star		n/a					
Three Star			n/a	Three Star		n/a					
Four Star			n/a	Four Star		n/a					
Other			n/a	Other		n/a					
Assessment Value			[value]	n/a		Assessment Value	=[value]	n/a			
Assessment Year			[value]	CCYY		Assessment Year	=[value]	CCYY			
Assessment Version	[value]	n/a	Assessment Version	=[value]	n/a						
Year of Last Major Remodel	[value]	CCYY	Implementation Status	Completed	n/a						
				Implementation Status Date	=[value]	CCYY					
				Date Format	Year	n/a					
Year of Last Energy Audit	[value]	CCYY	Action Category	Major Remodel	n/a						
				Implementation Status	Completed	n/a					
				Implementation Status Date	=[value]	CCYY					
Retrocommissioning Date	[value]	CCYY-MM-DD	Action Category	Audit	n/a						
				Implementation Status	Completed	n/a					
				Implementation Status Date	=[value]	CCYY-MM-DD					
Year Of Latest Retrofit	[value]	CCYY-MM-DD	Action Category	Retrocommissioning	n/a						
				Implementation Status	Completed	n/a					
				Implementation Status Date	=[value]	CCYY					
Year Occupied	[value]	CCYY	Action Category	Retrofit	n/a						
				Construction Status	Occupancy	n/a					
				Construction Status Date	=[value]	CCYY					
Number of Businesses	[value]	n/a	Spatial Unit Type	Businesses	n/a						
				Date Format	Year	n/a					

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
	Operator Type	[value]	n/a	Operational Control Actor	= [value]	n/a			This identifies whether the owner or another actor controls the operation of the facility. BEDES does not have this field, but it seems useful to keep in BuildingSync.	
	Horizontal Surroundings	No abutments	n/a	Horizontal Surroundings	Stand-alone					
		Attached from Above	n/a		Attached from above	n/a				
		Attached from Below	n/a		Attached from below	n/a				
		Attached from Above and Below	n/a		Attached from above and below	n/a				
	Vertical Surroundings	Unknown	n/a	Vertical Surroundings	Unknown	n/a				
		Stand-alone	n/a		Stand-alone	n/a				
		Attached on one side	n/a		Attached on one side	n/a				
		Attached on two sides	n/a		Attached on two sides	n/a				
	Ownership Status	[value]	n/a	Ownership Status	[value]	n/a				
NAICS Code		[value]	NAICS Code		= [value]	n/a				
Publicly Subsidized		True	n/a		Occupant Type	Government subsidized community	n/a			
Subsection	Year of Construction	[value]	CCYY	Construction Status	Completed	n/a				
				Construction Status Date	= [value]	CCYY				
				Date Format	Year	n/a				
	SideA1Orientation	[value]	degrees	Azimuth	= [value]	degrees			There doesn't appear to be a "qualifier" in BEDES for Azimuth to provide further context. BEDES: What does "SideA1" mean?	
	Footprint Shape	Rectangular	n/a	Footprint Shape	Rectangular	n/a				Several shapes in BEDES 1.1 are not used in BuildingSync. I don't believe they are necessary. The shape definitions were worked out with PNNL/Asset Score and Amir at DOE to allow clear geometry definitions for modeling. This was deemed out of scope at the time for BEDES.
		L-Shape	n/a		L-shaped	n/a				
		U-Shape	n/a		U-shaped	n/a				
		H-Shape	n/a		H-shaped	n/a				
		T-Shape	n/a		T-Shape	n/a				
		O-Shape	n/a		Courtyard	n/a				
		Other	n/a		Other	n/a				
	Unknown	n/a	Unknown	n/a						
	Side Number	[value]	n/a	(No corresponding field)					Geometry term outside the scope of BEDES.	
	Side Length	[value]	ft	Length	= [value]	n/a				BEDES has no relevant qualifier representing the length of a side of a block.
				Unit of Measure	ft	n/a				
	Wall ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES
	Wall Area	[value]	ft2	Opaque Surface	Wall	n/a				
				Area	= [value]	ft2				
	Window ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES
	Window to Wall Ratio	[value]	%	Window to Wall Ratio	= [value]	%				
Fenestration Area	[value]	ft2	Opaque Surface Component	Fenestration	n/a					
			Area	= [value]	ft2					
Percent of Window Area Shaded	[value]	%	Fenestration	Window	n/a					
			Percent of Fenestration Area Shaded	= [value]	%					
Door ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Thermal Zone ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Space ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Roof ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Roof Area	[value]	ft2	Opaque Surface	Roof	n/a					
			Area	= [value]	ft2					
Roof Insulated Area	[value]	ft2	Opaque Surface	Roof	n/a					
			Material Qualifier	Insulation	n/a					
Area	= [value]	ft2								
Ceiling ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Ceiling Area	[value]	ft2	Opaque Surface	Ceiling	n/a					
			Area	= [value]	ft2					
Ceiling Insulated Area	[value]	ft2	Opaque Surface	Ceiling	n/a					
			Material Qualifier	Insulation	n/a					
Area	= [value]	ft2								
Foundation ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Foundation Area	[value]	ft2	Opaque Surface	Floor	n/a					
			Area	= [value]	ft2					
Skylight ID	[value]	n/a	(No corresponding field)						Hierarchical term outside scope of BEDES	
Percent Skylight Area	[value]	%	Percent Skylight Area	= [value]	%					

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
	XOffset	[value]	ft	Offset	=[value]	ft			There doesn't appear to be a "qualifier" in BEDES for Offset to provide further context. BEDES v2.0 adding "Coordinate" qualifier.	
	YOffset	[value]	ft	Offset	=[value]	ft				
ZOffset	[value]	ft	ft	Offset	=[value]	ft				
	Thermal Zone Layout	[value]	n/a	Thermal Zone Layout	=[value]	n/a				
	Perimeter Zone Depth	[value]	ft	Depth	=[value]	ft				
Thermal Zone Layout				Perimeter	n/a					
				Unit of Measure	ft	n/a				
	Subsection ID	[value]	n/a	(No corresponding field)					Hierarchical term outside scope of BEDES	
	Delivery ID	[value]	n/a	(No corresponding field)					Hierarchical term outside scope of BEDES	
	HVAC Schedule ID	[value]	n/a	(No corresponding field)					Hierarchical term outside scope of BEDES	
	Floor Area Type	Gross	n/a	Floor Area Qualifier	Gross	n/a				
		Net	n/a	Floor Area Qualifier	Net	n/a				
		Finished	n/a	Finished Status	Finished	n/a				
		Footprint	n/a	Floor Area Qualifier	Footprint	n/a				
		Rentable	n/a	Floor Area Qualifier	Rentable	n/a				
		Occupied	n/a	Occupied Status	Occupied	n/a				
		Lighted	n/a	Lighting Status	Artificial lighting	n/a				
		Daylit	n/a	Lighting Status	Substantial daylighting	n/a				
		Heated	n/a	Conditioning Status	Heated	n/a				
		Cooled	n/a	Conditioning Status	Cooled	n/a				
		Conditioned	n/a	Conditioning Status	Conditioned	n/a				
		Unconditioned	n/a	Conditioning Status	Unconditioned	n/a				
		Semi-conditioned	n/a	Conditioning Status	Semi-conditioned	n/a				
		Heated and Cooled	n/a	Conditioning Status	Conditioned	n/a				
		Heated only	n/a	Conditioning Status	Conditioned	n/a				
		Cooled only	n/a	Conditioning Status	Conditioned	n/a				
		Ventilated	n/a	Conditioning Status	Ventilated	n/a				
		Enclosed	n/a	Premises Enclosure	Enclosed	n/a				
		Non-Enclosed	n/a	Premises Enclosure	Non-Enclosed	n/a				
		Open	n/a	Premises Enclosure	Open	n/a				
Lot	n/a	Spatial Unit Type	Lot	n/a						
	Custom	n/a	Floor Area Qualifier	Custom	n/a					
	Floor Area Custom Name	[value]	n/a	(No corresponding field)					This field is described in the BEDES "Guidelines" tab when "Custom" is selected, but is not specifically listed as a BEDES term.	
	Floor Area Value	[value]	ft2	Area	=[value]	ft2				
	Story	[value]	n/a	(No corresponding field)						
	Percentage of Common Space	[value]	%	Occupancy Classification	Common area	n/a				
				Percentage of Total Area	=[value]	%				
	Conditioned Volume	[value]	ft3	Conditioning Status	Conditioned	n/a				
				Volume	=[value]	ft3				
	Floors Above Grade	[value]	n/a	Location	Above grade	n/a				
				Spatial Unit Type	Floors	n/a				
				Quantity	=[value]	n/a				
	Floors Below Grade	[value]	n/a	Location	Below grade	n/a				
				Spatial Unit Type	Floors	n/a				
				Quantity	=[value]	n/a				
	Floors Partially Below Grade	[value]	n/a	Location	Partially Below Grade	n/a				
				Spatial Unit Type	Floors	n/a				
				Quantity	=[value]	n/a				
	Floor to Floor Height	[value]	ft	Floor Height Measurement	Floor-to-Floor Height	n/a				
				Height	=[value]	ft				
				Unit of Measure	ft	n/a				
	Floor to Ceiling Height	[value]	ft	Floor Height Measurement	Floor-to-Ceiling Height	n/a				
				Height	=[value]	ft				
				Unit of Measure	ft	n/a				
	Primary Contact ID	[value]	n/a	(No corresponding field)					Hierarchical term outside scope of BEDES	
	Premises Notes	[value]	n/a	Notes	=[value]	n/a				
	Premises Name	[value]	n/a	Identifier Label	Name	n/a				
				Identifier	=[value]	n/a				
	Thermal Zone ID	[value]	n/a	(No corresponding field)					Hierarchical term outside scope of BEDES	
	Occupancy Schedule ID	[value]	n/a	(No corresponding field)					Hierarchical term outside scope of BEDES	
	Occupants Activity Level	[value]	n/a	Occupant Activity Level	=[value]	n/a				
	Schedule Category	[value]	n/a	Schedule Category	=[value]	n/a				
	Day Type	[value]	n/a	Schedule Day	=[value]	n/a				
	Partial Operation Percentage	[value]	%	Partial Operation Percentage	=[value]	%				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Schedule Period Begin Date	[value1]-[value2]-[value3]	CCYY-MM-DD	Schedule Period Begin Month	=[value2]	n/a	Two digit field representing Month must be converted to an integer		
				Schedule Period Begin Day	=[value3]	n/a	Two digit field representing Day must be converted to an integer		
	Schedule Period End Date	[value1]-[value2]-[value3]	CCYY-MM-DD	Schedule Period End Month	=[value2]	n/a	Two digit field representing Month must be converted to an integer		
				Schedule Period End Day	=[value3]	n/a	Two digit field representing Day must be converted to an integer		
	Day Start Time	[value]	hh:mm:ss.sss	Day Start Time	=[value]	hhmm	Time format must be converted to a 4-digit military time for BEDES.		
	Day End Time	[value]	hh:mm:ss.sss	Day End Time	=[value]	hhmm	Time format must be converted to a 4-digit military time for BEDES.		
	Spatial Unit Type	[value]	n/a	Spatial Unit Type	=[value]	n/a			
	Number of Units	[value]	n/a	Quantity	=[value]	n/a			
	Unit Density	[value]	n/a	(No corresponding field)					BEDES does not have unit densities, so this field cannot be mapped. The unit count and relevant floor area are mapped elsewhere, so no information is lost.

## Mapping of BuildingSync Version 2.0 to BEDES Version 1.2 - Systems Data

Enumerations are only listed when there is a difference between BuildingSync and BEDES, otherwise "=value" is used.

The BuildingSync enumerations must include all values to allow mapping, but some values in the corresponding BEDES term may not be used.

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
Air Distribution	Duct Configuration	[value]	n/a	Duct Configuration	=value	n/a				
	Heating Delivery ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Cooling Delivery ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Static Pressure Reset Control	True	n/a	Control Strategy	Static pressure reset	n/a				
		False	n/a	(No corresponding field)					A false value for this term in BuildingSync maps to the absence of a value in BEDES.	
	Supply Air Temperature Reset Control	True	n/a	Control Strategy	Supply air temperature reset	n/a				
		False	n/a	(No corresponding field)					A false value for this term in BuildingSync maps to the absence of a value in BEDES.	
	Minimum Outside Air Percentage	[value]	%	Setpoint Type	Outside air percentage	n/a				
	Maximum OA Flow Rate	[value]	ft3/min	Setpoint Low	Outside air flow rate	n/a				
				Setpoint High		ft3/min				
	Duct Insulation Condition	[value]	n/a	Duct Insulation Condition		n/a				
	Duct Sealing	[value]	n/a	Duct Sealing		n/a				
	Duct Insulation R-Value	[value]	ft2-F-hr/Btu	Duct Insulation R-Value		ft2-F-hr/Btu				
	Duct Surface Area	[value]	ft2	Duct Surface Area		ft2				
	Supply Duct Percent Conditioned Space	[value]	%	Supply Duct Percent Conditioned Space		%				
	Return Duct Percent Conditioned Space	[value]	%	Return Duct Percent Conditioned Space		%				
	Static Pressure Installed	[value]	Pa	Static Pressure		Pa				
	Duct Type	Flex uncategorized	n/a	Duct Type	Flex	n/a				
		Grey flex	n/a		Grey flex	n/a				
		Nylon flex	n/a		Nylon flex	n/a				
		Duct board	n/a		Duct board	n/a				
		Sheet metal	n/a		Sheet metal	n/a				
		Galvanized	n/a		Galvanized	n/a				
		Flexible	n/a		Flexible	n/a				
		Fiberboard	n/a		Fiberboard	n/a				
		No ducting	n/a		No ducting	n/a				
		Other	n/a		Other	n/a				
		Unknown	n/a		Unknown	n/a				
	Duct Leakage Test Method	[value]	n/a	Duct Leakage Test Method		n/a				
	Duct Pressure Test Leakage Rate	[value]	cfm	Duct Pressure Test Leakage Rate		cfm				
	Supply Fraction of Duct Leakage	[value]	%	Supply Fraction of Duct Leakage		%				
	Duct Pressure Test Leakage Percentage	[value]	%	Duct Pressure Test Leakage Percentage		%				
	Air Side Economizer (not present)	[present]	n/a	Air-Side Economizer	is present	n/a				
		[not present]	n/a		is not present	n/a				
	Air Side Economizer Type	[value]	n/a	Air-Side Economizer Type		n/a				
	Economizer Control	[value]	n/a	Control Strategy		n/a				
	Economizer Dry Bulb Control Point	[value]	*F	Setpoint Type	Dry bulb control point	n/a				
				Setpoint Low		*F				
	Economizer Enthalpy Control Point	[value]	Btu/lb	Setpoint Type	Enthalpy control point	n/a				
				Setpoint Low		Btu/lb				
	Economizer Low Temperature Lockout	[value]	*F	Setpoint Type	Temperature lockout	n/a				
				Setpoint Low		*F				
	Heating System	Heating Plant Type	Boiler	n/a	Heating Type	Boiler				BEDES does not have a general entry for boiler or district heating. These plants are identified through other fields in BuildingSync. BEDES: Boiler is in BEDES v1.2. Changing centrally located plant to "District" in v2.0. Can use "Heating Medium" to further qualify if desired.
			DistrictHeating	n/a	Heating Type	District				
			SolarThermal	n/a	Heating Type	Solar thermal	n/a			
			NoHeating	n/a	Heating Type	No heating	n/a			
			OtherCombination	n/a	Heating Type	Other	n/a			
			Unknown	n/a	Heating Type	Unknown	n/a			
		Heating Source Type	SourceHeatingPlantID	n/a	(No corresponding field)					Central heating plants are not differentiated from zonal systems in BEDES, therefore the Heating Plant value is not relevant in the mapping. Furnaces and heat pumps are not a general category in BEDES, and are therefore identified through the Furnace Type and Heat Pump Type fields in BuildingSync.
			Furnace	n/a	(No corresponding field)					
		HeatPump	n/a	(No corresponding field)						
		OtherCombination	n/a	Heating Type	Other	n/a				
		NoHeating	n/a	Heating Type	No heating	n/a				
		Unknown	n/a	Heating Type	Unknown	n/a				
Furnace Type		Warm air	n/a	Heating Type	Furnace warm air	n/a				
		Fireplace	n/a		Fireplace	n/a				
		Heating stove	n/a		Heating stove	n/a				
		Built-in heater	n/a		Built-in heater	n/a				
		Individual space heater	n/a		Individual space heater	n/a				
		Other	n/a		Other	n/a				
		Unknown	n/a		Unknown	n/a				
Heat Pump Type		Split	n/a	Heating Type	Split heat pump	n/a				
		Packaged Terminal			Packaged terminal heat pump	n/a				
		Packaged Unitary			Packaged unitary heat pump	n/a				
		Other			Other	n/a				
		Unknown			Unknown	n/a				
Boiler Type		[value]	n/a	(No corresponding field)						
Burner Type		[value]	n/a	Burner Type		n/a				
Ignition Type		[value]	n/a	Ignition Type		n/a				
Heating Staging		[value]	n/a	Heating Staging		n/a				
Number of Heating Stages		[value]	n/a	Number of Heating Stages		n/a				
Heating Stage Capacity Fraction		[value]	%	Heating Stage Capacity Fraction		%				
Priority	Primary	n/a	Priority	Primary	n/a					
	Secondary	n/a		Secondary	n/a					
	Tertiary	n/a		Tertiary	n/a					
	Back-up	n/a		Backup	n/a					
	Other	n/a		Other	n/a					
Annual Heating Efficiency Value	[value]	n/a	Efficiency Qualifier	Annual heating	n/a			Units are those assigned for the corresponding Efficiency Metric Qualifier.		
Annual Heating Efficiency Unit	[value]	n/a	Efficiency Metric Qualifier		n/a					



BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
Combustion Efficiency	[value]	%	Efficiency Qualifier	Combustion	n/a				
Thermal Efficiency	[value]	%	Efficiency Qualifier	Thermal	n/a				
Heating Medium	[value]	n/a	Heating Medium	Heating Medium	n/a				
Pipe Insulation Thickness	[value]	in.	Pipe Insulation Thickness	Pipe Insulation Thickness	n/a				
Pipe Location	[value]	%	Pipe Location	Pipe Location	n/a				
Input Capacity	[value]	MMBtu	Input Capacity	Input Capacity	n/a				
Output Capacity	[value]	MMBtu	Output Capacity	Output Capacity	n/a				
Draft Type	[value]	n/a	Draft Type	Draft Type	n/a				
Boiler Insulation R Value	[value]	hr-ft <sup>2</sup> -°F/Btu	Boiler Insulation R-Value	Boiler Insulation R-Value	n/a				
Boiler Insulation Thickness	[value]	in.	Boiler Insulation Thickness	Boiler Insulation Thickness	n/a				
Burner Turndown Ratio	[value]	n/a	Burner Turndown Ratio	Burner Turndown Ratio	n/a				
Boiler Percent Condensate Return	[value]	%	Boiler Percent Condensate Return	Boiler Percent Condensate Return	n/a				
Hot Water Boiler Minimum Flow Rate	[value]	gpm	Setpoint Type	Flow Rate	n/a				BEDES does not have a specific flow rate type for hot water boilers.
Hot Water Boiler Maximum Flow Rate	[value]	gpm	Setpoint Type	Flow Rate	n/a				
Boiler EWT	[value]	°F	Setpoint Type	Return water temperature	n/a				
Boiler LWT	[value]	°F	Setpoint Type	Supply water temperature	n/a				
Condensing Operation	True	n/a	Condensing Operation	Condensing	n/a				
	False	n/a	Condensing Operation	Not condensing	n/a				
Steam Boiler Minimum Operating Pressure	[value]	psi	Setpoint Type	Pressure	n/a				
Steam Boiler Maximum Operating Pressure	[value]	psi	Setpoint Type	Pressure	n/a				
Hot Water Reset Control	[value]	n/a	Reset Routine	Reset Routine	n/a				
District Heating Type	Hot water	n/a	Heating Type	District hot water	n/a				
	Direct steam	n/a	Heating Type	District steam direct	n/a				
	Steam to hot water heat exchanger	n/a	Heating Type	District steam to hot water HX	n/a				
	Other	n/a	Heating Type	Other	n/a				
Refrigerant	Unknown	n/a	Refrigerant	Unknown	n/a				
Refrigerant Charge Factor	[value]	n/a	Refrigerant Charge Factor	Refrigerant Charge Factor	n/a				
Heat Pump Backup Heating Switchover Temperature	[value]	°F	Heat Pump Backup Heating Switchover Temperature	Heat Pump Backup Heating Switchover Temperature	n/a				
Heat Pump Backup System Fuel	[value]	n/a	Heat Pump Backup System Fuel	Heat Pump Backup System Fuel	n/a				
Heat Pump Backup AFUE	[value]	n/a	Heat Pump Backup AFUE	Heat Pump Backup AFUE	n/a				
Frequency of Maintenance	[value]	n/a	Frequency of Maintenance	Frequency of Maintenance	n/a				
Heat Lowered	[value]	n/a	HVAC Systems Controlled	Heating	n/a				
AC Adjusted	[value]	n/a	Reset Routine	Reset Routine	n/a				
Setpoint Temperature Heating	[value]	°F	HVAC Systems Controlled	Room temperature	n/a				
			Setpoint Setting Condition	Normal	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Setpoint Low	°F	n/a				
			Setpoint High	°F	n/a				
Setback Temperature Heating	[value]	°F	Setpoint Type	Room temperature	n/a				
			Setpoint Setting Condition	Reset	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Setpoint Low	°F	n/a				
			Setpoint High	°F	n/a				
Primary HVAC Control Strategy	Pneumatic	n/a	Control Strategy	Pneumatic	n/a				
	Electric	n/a	Control Strategy	Electronic	n/a				
	Other	n/a	Control Strategy	Other	n/a				
	Unknown	n/a	Control Strategy	Unknown	n/a				
Heating Plant ID	[value]	n/a	(No corresponding field)						Hierarchical element not used in BEDES
Heating Supply Air Temperature	[value]	°F	Setpoint Type	Supply air temperature	n/a				
			Setpoint Setting Condition	Normal	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Setpoint Low	°F	n/a				
			Setpoint High	°F	n/a				
Heating Supply Air Temperature Control	[value]	n/a	Setpoint Type	Supply air temperature	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Control Strategy	Heating	n/a				
Reheat Control Method	Dual Maximum	n/a	Control Strategy	Dual maximum logic	n/a				
	Single Maximum	n/a	Control Strategy	Single maximum logic	n/a				
	Other	n/a	Control Strategy	Other	n/a				
	Unknown	n/a	Control Strategy	Unknown	n/a				
Reheat Source	[value]	n/a	Setpoint Type	Supply air temperature	n/a				
Reheat Plant ID	[value]	n/a	Reheat Source	Reheat Source	n/a				
Outside Air Reset Maximum Heating Supply Temperature	[value]	n/a	(No corresponding field)						Hierarchical element not used in BEDES
			Setpoint Type	Supply air temperature	n/a				
			Setpoint Setting Condition	Reset	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Setpoint High	°F	n/a				
Outside Air Reset Minimum Heating Supply Temperature	[value]	°F	Setpoint Type	Supply air temperature	n/a				
			Setpoint Setting Condition	Reset	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Setpoint Low	°F	n/a				
Outside Air Temperature Upper Limit Heating Reset Control	[value]	°F	Setpoint Type	Outside air temperature limit	n/a				
			Setpoint Setting Condition	Reset	n/a				
			HVAC Systems Controlled	Heating	n/a				
			Setpoint High	°F	n/a				
Outside Air Temperature Lower Limit Heating Reset Control	[value]	°F	Setpoint Type	Outside air temperature limit	n/a				
			Setpoint Setting Condition	Reset	n/a				
			HVAC Systems Controlled	Heating	n/a				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
Cooling System	Cooling Plant Type	Chiller	n/a	Setpoint Low	=value	°F			BEDES does not have a general entry for chillers. These plants are identified through other fields in BuildingSync.
		DistrictChilledWater	n/a	Cooling Type	(No corresponding field)				
		NoCooling	n/a		District chilled water	n/a			
		OtherCombination	n/a		No cooling	n/a			
		Unknown	n/a		Other	n/a			
	Chiller Type	Vapor compression	n/a	Cooling Type	Vapor compression chiller	n/a			
		Absorption	n/a		Absorption chiller	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
			n/a						
	Cooling Source Type	CoolingPlantID	n/a	Cooling Type	(No corresponding field)				Central cooling plants are not differentiated from zonal systems in BEDES, therefore the Cooling Plant value is not relevant in the mapping. DX is not a general category in BEDES, and is therefore identified through the DX System Type field in BuildingSync.
		DX	n/a		(No corresponding field)				
		EvaporativeCooler	n/a		Evaporative cooler	n/a			
		OtherCombination	n/a		Other	n/a			
		Unknown	n/a		No cooling	n/a			
	DX System Type	Split DX air conditioner	n/a	Cooling Type	Split DX air conditioner	n/a			
		Packaged terminal air conditioner (PTAC)	n/a		Packaged terminal air conditioner	n/a			
		Split heat pump	n/a		Split heat pump	n/a			
		Packaged terminal heat pump (PTHP)	n/a		Packaged terminal heat pump	n/a			
		Variable refrigerant flow	n/a		Variable refrigerant flow	n/a			
		Packaged/unitary direct expansion/RTU	n/a		Packaged unitary direct expansion RTU	n/a			
		Packaged/unitary heat pump	n/a		Packaged unitary heat pump	n/a			
		Single package vertical air conditioner	n/a		Single package vertical air conditioner	n/a			
		Single package vertical heat pump	n/a		Single package vertical heat pump	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
			n/a						
		Cooling Medium	=value		n/a	Cooling Medium	=value	n/a	
	Zoning System Type	=value	n/a	Zoning System Type	=value	n/a			
	Cooling Plant ID	=value	n/a	(No corresponding field)				Hierarchical element not used in BEDES	
	HVAC pipe configuration	=value	n/a	Pipe Configuration	=value	n/a			
	Chiller Compressor Driver	=value	n/a	Chiller Compressor Driver	=value	n/a			
	Chiller Compressor Type	=value	n/a	Chiller Compressor Type	=value	n/a			
	Compressor Staging	=value	n/a	Compressor Staging	=value	n/a			
	Condenser Plant	AirCooled	n/a	Condenser Type	Air cooled	n/a			
		WaterCooled	n/a		(No corresponding field)				BEDES does not have general Water Cooled or Ground Source categories, but it can be inferred based on more detailed elements.
		GroundSource	n/a		(No corresponding field)				
		GlycolCooledDryCooler	n/a		Glycol cooled, dry cooler	n/a			
		Other	n/a		Other	n/a			
	Unknown	n/a	Unknown	n/a					
	Water Cooled Condenser Type	cooling tower	n/a	Condenser Type	Water cooled, cooling tower	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
	Ground Source Type	Open loop ground water	n/a	Condenser Type	Water cooled, open loop ground water	n/a			
		Closed loop ground source	n/a		Water cooled, closed loop ground source	n/a			
Other		n/a	Other		n/a				
Unknown		n/a	Unknown		n/a				
Absorption Heat Source	=value	n/a	Absorption Heat Source	=value	n/a				
Absorption Stages	=value	n/a	Absorption Stages	=value	n/a				
Number of Discrete Cooling Stages	=value	n/a	Number of Discrete Cooling Stages	=value	n/a				
Cooling Stage Capacity	=value	%	Cooling Stage Capacity	=value	%				
Condenser Fan Speed Operation	=value	n/a	Condenser Fan Speed Operation	=value	n/a				
Annual Cooling Efficiency Value	=value	n/a	Efficiency Qualifier	Annual cooling	n/a		Units are those assigned for the corresponding Efficiency Metric Qualifier.		
Annual Cooling Efficiency Units	=value	n/a	Efficiency Value	=value	n/a				
			Efficiency Metric Qualifier	=value	n/a				
Minimum Part Load Ratio	=value	n/a	Minimum Part Load Ratio	=value	n/a				
Part Load Ratio Below Which Hot Gas Bypass Operates	=value	%	Part Load Ratio Below Which Hot Gas Bypass Operates	=value	n/a		Not expressed as a percentage in BEDES, but the value is the same.		
Evaporative Cooling Type	=value	n/a	Evaporative Cooling Type	=value	n/a				
Chilled Water Reset Control	=value	n/a	Setpoint Type	Supply water temperature	n/a				
			Setpoint Setting Condition	Reset	n/a				
			Reset Routine	=value	n/a				
Cooling Tower Control Type	=value	n/a	Control Strategy	=value	n/a				
			Condenser Type	Water cooled cooling tower	n/a				
Water Cooled Condenser Flow Control	Fixed Flow	n/a	Control Strategy	Fixed	n/a				
	Two Position Flow	n/a		Two position flow	n/a				
	Variable Flow	n/a		Variable flow	n/a				
	Other	n/a		Other	n/a				
	Unknown	n/a		Unknown	n/a				
Cell Count	=value	n/a	Setpoint Type	Flow Rate	n/a				
Water Side Economizer	[present]	n/a	Cell Count	=value	n/a				
	[not present]	n/a	Water-Side Economizer	Is present	n/a				
				Is not present	n/a				
Water Side Economizer Type	=value	n/a	Water-Side Economizer Type	=value	n/a				
Water Side Economizer Temperature Maximum	=value	°F	Setpoint Type	Supply water temperature	n/a				
			HVAC Systems Controlled	Cooling	n/a				
			Setpoint High	=value	°F				
Water Side Economizer DB Temperature Maximum	=value	°F	Setpoint Type	Dry bulb control point	n/a				
			HVAC Systems Controlled	Cooling	n/a				
			Setpoint High	=value	°F				
Active Dehumidification	True	n/a	Active Dehumidification	Is available	n/a				
	False	n/a		Is not available	n/a				
Evaporatively Cooled Condenser	[present]	n/a	Evaporatively Cooled Condenser	Is available	n/a				
	[not present]	n/a		Is not available	n/a				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
Evaporatively Cooled Condenser Maximum Temperature	[value]	°F	n/a	Setpoint Type	Dry bulb control point	n/a			
				Setpoint High	=[value]	°F			
Evaporatively Cooled Condenser Minimum Temperature	[value]	°F	n/a	Setpoint Type	Dry bulb control point	n/a			
				Setpoint Low	=[value]	°F			
Chilled Water Supply Temperature	[value]	°F	n/a	Setpoint Type	Supply water temperature	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=[value]	°F			
				Setpoint High	=[value]	°F			
Condenser Water Temperature	[value]	°F	n/a	Setpoint Type	Supply water temperature	n/a			There doesn't appear to be a way to differentiate condenser and chilled water supply temperatures in BEDES.
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=[value]	°F			
				Setpoint High	=[value]	°F			
Fan Coil Type	[value]	n/a	n/a	Cooling Delivery Type	Central air handler single duct	n/a			
Air Delivery Type	Central fan	n/a	n/a	Cooling Delivery Type	Central air handler single duct	n/a			BEDES has separate options for Heating Delivery Type and Cooling Delivery Type. BuildingSync does not make the distinction, because Delivery Type can be referenced by either a heating system or cooling system, or both.
Duct Configuration	Single	n/a	n/a						
CoolingSourceID	(Not null)	n/a	n/a						
Air Delivery Type	Central fan	n/a	n/a	Cooling Delivery Type	Central air handler dual duct	n/a			BEDES has separate options for Heating Delivery Type and Cooling Delivery Type. BuildingSync does not make the distinction, because Delivery Type can be referenced by either a heating system or cooling system, or both.
Duct Configuration	Dual	n/a	n/a						
CoolingSourceID	(Not null)	n/a	n/a						
Air Delivery Type	induction units	n/a	n/a	Cooling Delivery Type	Chilled beam	n/a			It appears induction units in cooling mode are treated as chilled beams in BEDES, but I'm not positive.
					Under floor	n/a			
					Local fan	n/a			
					Other	n/a			
					Unknown	n/a			
CoolingSourceID	(Not null)	n/a	n/a						
Air Delivery Type	Central fan	n/a	n/a	Heating Delivery Type	Air handler	n/a			BEDES has separate options for Heating Delivery Type and Cooling Delivery Type. BuildingSync does not make the distinction, because Delivery Type can be referenced by either a heating system or cooling system, or both.
					Induction units	n/a			
					Low pressure under floor	n/a			
					Local fan	n/a			
					Other	n/a			
Unknown	n/a								
HeatingSourceID	(Not null)	n/a	n/a						
Terminal Unit	CAV terminal box with reheat	n/a	n/a	Cooling Delivery Type	Terminal reheat	n/a			The BEDES Terminal Reheat option does not expressly indicate constant volume, but it seems to be implied because VAV is listed separately.
					VAV terminal box fan powered no reheat	n/a			
					VAV terminal box fan powered with reheat	n/a			
					VAV terminal box not fan powered no reheat	n/a			
					VAV terminal box not fan powered with reheat	n/a			
					Automatically controlled register	n/a			
					Manually controlled register	n/a			
					Uncontrolled register	n/a			
					Other	n/a			
					Unknown	n/a			
CoolingSourceID	(Not null)	n/a	n/a						
Terminal Unit	CAV terminal box with reheat	n/a	n/a	Heating Delivery Type	CAV terminal box with reheat	n/a			
					VAV terminal box fan powered no reheat	n/a			
					VAV terminal box fan powered with reheat	n/a			
					VAV terminal box not fan powered no reheat	n/a			
					VAV terminal box not fan powered with reheat	n/a			
					Automatically controlled register	n/a			
					Manually controlled register	n/a			
					Uncontrolled register	n/a			
					Other	n/a			
					Unknown	n/a			
HeatingSourceID	(Not null)	n/a	n/a						
Convection Type	Perimeter baseboard	n/a	n/a	Cooling Delivery Type	Other	n/a			
					Chilled beam	n/a			
					Other	n/a			
					Unknown	n/a			
CoolingSourceID	(Not null)	n/a	n/a						
Convection Type	Perimeter baseboard	n/a	n/a	Heating Delivery Type	Perimeter baseboard	n/a			
					Chilled beam	n/a			
					Other	n/a			
					Unknown	n/a			
HeatingSourceID	(Not null)	n/a	n/a						
Radiant Type	Radiator	n/a	n/a	Cooling Delivery Type	Other	n/a			
					Radiant floor or ceiling	n/a			
					Other	n/a			
					Unknown	n/a			
CoolingSourceID	(Not null)	n/a	n/a						
Radiant Type	[value]	n/a	n/a	Heating Delivery Type	=[value]	n/a			
HeatingSourceID	(Not null)	n/a	n/a						
Setpoint Temperature Cooling	[value]	°F	n/a	Setpoint Type	Room temperature	n/a			
				Setpoint Setting Condition	Normal	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=[value]	°F			
				Setpoint High	=[value]	°F			
Setup Temperature Cooling	[value]	°F	n/a	Setpoint Type	Room temperature	n/a			
				Setpoint Setting Condition	Reset	n/a			

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=(value)	°F			
				Setpoint High	=(value)	°F			
	Cooling Supply Air Temperature	[value]	°F	Setpoint Type	Supply air temperature	n/a			
				Setpoint Setting Condition	Normal	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=(value)	°F			
				Setpoint High	=(value)	°F			
	Cooling Supply Air Temperature Control Type	[value]	n/a	Setpoint Type	Supply air temperature	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Control Strategy	=(value)	n/a			
	Outside Air Reset Maximum Cooling Supply Temperature	[value]	°F	Setpoint Type	Supply air temperature	n/a			
				Setpoint Setting Condition	Reset	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint High	=(value)	°F			
	Outside Air Reset Minimum Cooling Supply Temperature	[value]	°F	Setpoint Type	Supply air temperature	n/a			
				Setpoint Setting Condition	Reset	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=(value)	°F			
	Outside Air Temperature Upper Limit Cooling Reset Control	[value]	°F	Setpoint Type	Outside air temperature limit	n/a			
				Setpoint Setting Condition	Reset	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint High	=(value)	°F			
	Outside Air Temperature Lower Limit Cooling Reset Control	[value]	°F	Setpoint Type	Outside air temperature limit	n/a			
				Setpoint Setting Condition	Reset	n/a			
				HVAC Systems Controlled	Cooling	n/a			
				Setpoint Low	=(value)	°F			
	Rated Cooling Sensible Heat Ratio	[value]	n/a	Efficiency Qualifier	Rated sensible heat ratio	n/a			
				Efficiency Value	=(value)	n/a			
Other HVAC	Other HVAC Type	Humidifier	n/a	Other HVAC Type	Humidifier	n/a			
		Dehumidifier	n/a		Dehumidifier	n/a			
		Air Cleaner	n/a		Air cleaner	n/a			
		Mechanical Ventilation	n/a		Mechanical ventilation	n/a			
		Spot exhaust	n/a		(No corresponding field)	n/a			Spot exhaust is not a general option in BEDES. Other fields are required
		Natural Ventilation	n/a		Other	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
	Ventilation Rate	[value]	cfm	Ventilation Rate	=(value)	cfm			
	Required Ventilation Rate	[value]	cfm	Required Ventilation Rate	=(value)	cfm			
	Ventilation Type	Exhaust only	n/a	Ventilation Type	Exhaust only	n/a			
		Supply only	n/a		Supply only	n/a			
		Dedicated outdoor air system	n/a		Other	n/a			
		Heat recovery ventilator	n/a		Heat recovery ventilator	n/a			
		Energy recovery ventilator	n/a		Energy recovery ventilator	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
	Ventilation Control Method	CO2 Sensors	n/a	Control Strategy	Demand control ventilation	n/a			
		Fixed	n/a	Sensor Type	Carbon dioxide	n/a			
				Setpoint Type	Outside air flow rate	n/a			
		Occupancy Sensors	n/a	Control Strategy	Fixed	n/a			
				Setpoint Type	Outside air flow rate	n/a			
		Scheduled	n/a	Control Strategy	Demand control ventilation	n/a			
				Sensor Type	Occupancy	n/a			
				Setpoint Type	Outside air flow rate	n/a			
		Other	n/a	Control Strategy	Scheduled	n/a			
				Setpoint Type	Outside air flow rate	n/a			
		Unknown	n/a	Control Strategy	Other	n/a			
				Setpoint Type	Outside air flow rate	n/a			
				Setpoint Type	Outside air flow rate	n/a			
	Ventilation Zone Control	[value]	n/a	Control Strategy	=(value)	n/a			
	Demand Control Ventilation	True	n/a	Setpoint Type	Demand control ventilation	n/a			
		False	n/a		(No corresponding field)	n/a			
	Exhaust Location	Bathroom	n/a	Ventilation Type	Exhaust only	n/a			
		Kitchen hood	n/a	Other HVAC Type	Exhaust hood kitchen	n/a			
		Laboratory hood	n/a	Other HVAC Type	Exhaust hood laboratory	n/a			
		Other	n/a	Ventilation Type	Exhaust only	n/a			
		Unknown	n/a	Ventilation Type	Exhaust only	n/a			
	Natural Ventilation Method	[value]	n/a	Natural Ventilation Method	=(value)	n/a			
	Natural Ventilation Rate	[value]	n/a	Natural Ventilation Rate	=(value)	n/a			
	Humidification Type	[value]	n/a	Humidification Type	=(value)	n/a			
	Humidity Control Minimum	[value]	n/a	Setpoint Type	Humidity	n/a			
				Setpoint Low	=(value)	%			
	Humidity Control Maximum	[value]	n/a	Setpoint Type	Humidity	n/a			
				Setpoint High	=(value)	%			
	Dehumidification Type	[value]	n/a	Dehumidification Type	=(value)	n/a			
	Makeup Air Source ID	[value]	n/a	(No corresponding field)					
	System Performance Ratio	[value]	n/a	System Performance Ratio	=(value)	n/a			Hierarchical element not used in BEDES
Lighting	Lamp Type	Incandescent	n/a	Lamp Type	Incandescent	n/a			
		Linear Fluorescent	n/a		Fluorescent	n/a			
		Compact Fluorescent	n/a		Compact Fluorescent	n/a			
		Halogen	n/a		Halogen	n/a			
		High Intensity Discharge	n/a		High intensity discharge	n/a			
		Solid State Lighting	n/a		Solid State Lighting	n/a			
		Induction	n/a		Induction	n/a			
		Neon	n/a		Neon	n/a			
		Plasma	n/a		Plasma	n/a			
		Photoluminescent	n/a		Photoluminescent	n/a			
		Self-luminous	n/a		Self-luminous	n/a			
		Other Combination	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
	Lamp Label	[value]	n/a	Lamp Label	=(value)	n/a			
	Ballast Type	Electromagnetic	n/a	Ballast Type	Electromagnetic	n/a			
		Electronic	n/a		Electronic	n/a			
		Integrated	n/a		Integrated	n/a			

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
		Core and Coil	n/a		Electromagnetic	n/a				
		F-Can	n/a		F-Can	n/a				
		Other	n/a		Other	n/a				
	Transformer Needed	No Ballast	n/a		Transformer Needs	None	n/a			
		True	n/a			Transformer Needed	n/a			
	Fluorescent Start Type	False	n/a		Ballast Type	No Transformer Needed	n/a			
		[value]	n/a			[value]	n/a			
	Metal Halide Start Type	[value]	n/a		Ballast Type	[value]	n/a			
		[value]	n/a			[value]	n/a			
	Lamp Length	2 ft	n/a		Length	2	ft			
		4 ft	n/a			4	ft			
		Other	n/a			(No corresponding field)				
		Unknown	n/a			(No corresponding field)				
						Unit of Measure	ft	n/a		
	Input Voltage	120	n/a		Input Voltage	Lamp	n/a			
208		n/a	120	V						
240		n/a	208	V						
277		n/a	240	V						
347		n/a	277	V						
480		n/a	347	V						
120/277 (dual)		n/a	480	V						
120/277 (universal)		n/a	120	V						
347-480 (high voltage)		n/a	120	V						
Other		n/a	347	V						
			(No corresponding field)							
Installation Type	[value]	n/a	Installation Type	[value]	n/a					
	Direct	n/a		Direct	n/a					
	Indirect	n/a		Indirect	n/a					
	Direct-Indirect	n/a		Direct-Indirect	n/a					
	Spotlight	n/a		Spotlight	n/a					
	Floodlighting	n/a		Floodlighting	n/a					
	Omnidirectional	n/a		Omnidirectional	n/a					
	Other	n/a		Other	n/a					
	Unknown	n/a		Unknown	n/a					
Lighting Control Type Occupancy	[value]	n/a	Control Technology	Sensor	n/a					
	Occupancy Sensors	n/a		Sensor Type	Occupancy	n/a				
	Vacancy Sensors	n/a			Vacancy	n/a				
	Other	n/a			Other	n/a				
	Unknown	n/a			Unknown	n/a				
Lighting Control Type Timer	[value]	n/a	Control Technology	Timer	n/a					
	[value]	n/a		Control Strategy	Daylight dimming	n/a				
	Continuous	n/a		Setpoint Type	Daylight illuminance	n/a				
	Continuous Plus Off	n/a		Control Strategy	Continuous dimming	n/a				
	Stepped Dimming	n/a			Continuous dimming plus off	n/a				
Lighting Control Type Manual	[value]	n/a	Control Technology	Manual	n/a					
	Manual On/Off	n/a		Control Technology	Manual dimming	n/a				
	Manual Dimming	n/a			Manual	n/a				
	Bi-level Control	n/a		Control Strategy	Bi-level	n/a				
	Tri-level Control	n/a		Control Technology	Manual	n/a				
	Other	n/a		Control Strategy	Multi level	n/a				
	Unknown	n/a		Control Technology	Manual	n/a				
	None	n/a		Control Technology	Manual	n/a				
					Manual	n/a				
					Manual	n/a				
Dimming Capability	[value]	n/a	Control Strategy	Continuous dimming	n/a		There is no generic dimming term in BEDES, but it's assumed that continuous dimming is more likely than stepped.			
Minimum Dimming Light Fraction	[value]	n/a	Setpoint Type	Output fraction	n/a					
Minimum Dimming Power Fraction	[value]	n/a	Setpoint Type	Power fraction	n/a					
Daylighting Illuminance Setpoint	[value]	lux	Setpoint Type	Daylight illuminance	n/a					
Daylighting Control Steps	[value]	n/a	Setpoint Low	[value]	lux					
	[value]	n/a	Setpoint High	[value]	lux					
Percent Premises Served	[value]	%	(No corresponding field)							
Installed Power	[value]	kW	Percentage Of Total Floor Area Served	[value]	%		According to the BEDES definition, this term can be applied to a specific zone, and is therefore not limited to the total building floor area.			
	[value]	kW	Load Category	Lighting	n/a					
Lamp Power	[value]	W/lamp	Capacity Qualifier	Connected load	n/a					
	[value]	W/lamp	Capacity	[value]	kW					
Number of Lamps per Luminaire	[value]	n/a	Consumption Rate	[value]	W/lamp					
	[value]	n/a	Consumption Rate Type	Watts per lamp	n/a					
Number of Lamps per Ballast	[value]	n/a	Quantity of Modules per System	[value]	n/a					
	[value]	n/a	Lighting Component	Lamp	n/a					
Number of Ballasts per Luminaire	[value]	n/a	Lighting Component	Luminaire	n/a					
	[value]	n/a	Quantity of Modules per System	[value]	n/a					
Number of Luminaires	[value]	n/a	Lighting Component	Ballast	n/a					
	[value]	n/a	Lighting Component	Luminaire	n/a					
Outside Lighting	True	n/a	Lighting Component	Luminaire	n/a					
	False	n/a	Location	Exterior	n/a					
Lighting Efficacy	[value]	lm/W	Lighting Component	Fixture	n/a					
	[value]	lm/W	Efficiency Qualifier	Efficacy	n/a					
Reflector Type	[value]	n/a	Efficiency Value	[value]	lm/W					
	[value]	n/a	Reflector Type	[value]	n/a					
Work Plane Height	[value]	ft	Lighting Characteristics	Work plane height	n/a					
	[value]	ft	Height	[value]	ft					

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes		
	Luminaire Height	[value]	ft	Unit of Measure	ft	n/a					
				Height	ft	=[value]					
	Fixture Spacing	[value]	ft	Unit of Measure	ft	n/a					
				Lighting Component	Luminaire	n/a					
				Spacing	ft	=[value]					
	Rated Lamp Life	[value]	hr	Unit of Measure	ft	n/a					
				Lighting Component	Fixture	n/a					
				Useful Life	hr	=[value]					
				Unit of Measure	hour	n/a					
	Domestic Hot Water	Domestic Hot Water Type	[value]	n/a	Domestic Hot Water Type	=[value]	n/a				
Tank Heating Type		[value]	n/a	Tank Heating Type	=[value]	n/a					
Direct Tank Heating Source		[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES		
Indirect Tank Heating Source		[value]	n/a	Indirect Tank Heating Source	=[value]	n/a					
Instantaneous Water Heating Source		[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES		
Hot Water Distribution Type		Looped	n/a	Tank Heating Type	Looped	n/a					
				Distributed	Distributed	n/a					
				Point-of-use	Distributed	n/a					
				Other	Other	n/a					
Daily Hot Water Draw		[value]	gal	Consumption Rate Type	Daily Draw	n/a					
	Consumption Rate			=[value]	gal						
Tank Volume	[value]	gal	Domestic Hot Water Type	Storage tank	n/a						
			Capacity Qualifier	Volume	n/a						
			Capacity	gal	=[value]						
			Unit of Measure	gallons	n/a						
Tank Height	[value]	ft	Domestic Hot Water Type	Storage tank	n/a						
			Height	ft	=[value]						
Tank Perimeter	[value]	ft	Unit of Measure	ft	n/a						
			Domestic Hot Water Type	Storage tank	n/a						
Water Heater Efficiency Type	Energy Factor	n/a	Efficiency Qualifier	Energy Factor	n/a						
	Thermal Efficiency	n/a	Thermal	n/a							
Water Heater Efficiency	[value]	n/a	Efficiency Value	=[value]	n/a						
Recovery Efficiency	[value]	%	Efficiency Qualifier	Recovery	n/a						
			Efficiency Value	=[value]	n/a						
Storage Tank Insulation R-Value	[value]	hr-ft2-F/Btu	Domestic Hot Water Type	Storage tank	n/a						
			R-Value	=[value]	hr-ft2-F/Btu						
Storage Tank Insulation Thickness	[value]	in.	Domestic Hot Water Type	Storage tank	n/a						
			Thickness	=[value]	inches						
Parasitic Fuel Consumption Rate	[value]	Btu/h	Unit of Measure	inches	n/a						
			Domestic Hot Water Type	Storage tank	n/a						
Rated Heat Pump Sensible Heat Ratio	[value]	n/a	Consumption Rate Type	Parasitic Fuel	n/a						
			Consumption Rate	=[value]	Btu/hr						
HPWH Minimum Air Temperature	[value]	°F	Efficiency Qualifier	Heat pump	n/a						
			Efficiency Value	=[value]	n/a						
Off-Cycle Heat Loss Coefficient	[value]	Btu/hr/ft2-°F	Indirect Tank Heating Source	Heat pump	n/a						
			Setpoint Type	Dry bulb control point	n/a						
			Setpoint Low	=[value]	°F						
Hot Water Setpoint Temperature	[value]	°F	Indirect Tank Heating Source	Heat pump	n/a						
			Efficiency Qualifier	Off-cycle heat loss coefficient	n/a						
Recirculation	[present]	n/a	Efficiency Value	=[value]	Btu/hr-ft2-°F						
	[not present]	n/a	Domestic Hot Water Type	Storage tank	n/a						
Recirculation Loop Count	[value]	n/a	Setpoint Type	Supply water temperature	n/a						
			Setpoint Low	=[value]	°F						
Recirculation Flow Rate	[value]	gal/hr	Setpoint High	=[value]	°F						
			Control Strategy	Recirculation	n/a						
Recirculation Control Type	[value]	n/a	(No corresponding field)						False in BuildingSync indicates the absence of a Recirculation control strategy in BEDES.		
			Recirculation Loop Count	=[value]	n/a						
	Recirculation Energy Loss Rate	[value]	MMBtu/hr	Setpoint Type	Flow Rate	n/a					
				Setpoint Low	=[value]	ft3/min	=[value]*0.002228				
	Solar Thermal System Type	[value]	ft2	Setpoint High	=[value]	ft3/min	=[value]*0.002228				
				Control Strategy	Recirculation	n/a					
				Control Strategy	Recirculation	n/a					
				Continuous	n/a	Control Technology	Always on	n/a			
				Temperature	n/a	Control Technology	Thermostat	n/a			
				Timer	n/a	Control Technology	Timer	n/a			
Solar Thermal System Collector Area	[value]	n/a	Demand	n/a	Control Technology	Manual	n/a				
			Other	n/a	Control Technology	Other	n/a				
Solar Thermal System Collector Loop Type	[value]	n/a	Unknown	n/a	Control Technology	Unknown	n/a				
			Unknown	n/a	Control Technology	Unknown	n/a				
Solar Thermal System Collector Azimuth	[value]	degrees	Efficiency Qualifier	Recirculation energy loss rate	n/a						
			Efficiency Value	=[value]	MMBtu/hr						
Solar Thermal System Collector Tilt	[value]	degrees	Control Strategy	Recirculation	n/a						
			(No corresponding field)								
Solar Thermal System Storage	[value]	gal	Area	=[value]	ft2						
			Energy Generation Technology	Solar thermal system collector	n/a						
Solar Thermal System Collector Loop Type	[value]	n/a	Thermal Loop Configuration	Direct	n/a						
			Air indirect	n/a	Indirect	n/a					
			Liquid indirect	n/a	Direct	n/a					
			Liquid indirect	n/a	Indirect	n/a					
			Passive thermosyphon	n/a	Indirect	n/a					
			Other	n/a	Passive thermosyphon	n/a					
Solar Thermal System Collector Azimuth	[value]	degrees	Unknown	n/a	Control Technology	Other	n/a				
			Unknown	n/a	Control Technology	Unknown	n/a				
Solar Thermal System Collector Tilt	[value]	degrees	Solar Thermal System Collector Type	=[value]	n/a						
			Azimuth	=[value]	degrees						
Solar Thermal System Storage	[value]	gal	Energy Generation Technology	Solar thermal system collector	n/a						
			Tilt Angle	=[value]	degrees						
Solar Thermal System Collector Tilt	[value]	degrees	Energy Generation Technology	Solar thermal system collector	n/a						
			Capacity Qualifier	Volume	n/a						

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
Volume				Capacity	=value	gal				
				Unit of Measure	gallons	n/a				
				Energy Generation Technology	Solar thermal system collector	n/a				
Cooking	Heating Plant ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES.	
	Number of Meals	[value]	n/a	Operation Event	Meal served	n/a				
	Cooking Energy per Meal	[value]	Btu	Operation Events per Year	=value	n/a				Divide [value] by associated Operation Events per Year.
				Load Category	Cooking	n/a				
				Resource Value	=value	Btu				
				Unit of Measure	Btu	n/a				
	Type of Cooking Equipment	[value]	n/a	Interval Frequency	Annual	n/a				
				Cooking Appliance Type	=value	n/a				
	Daily Water Use	[value]	gal/day	Load Category	Cooking	n/a				
				Water Resource	Potable water	n/a				
Resource Value				=value	gallons/day					
Unit of Measure				gallons	n/a					
			Interval Frequency	Daily	n/a					
Refrigeration	Refrigeration System Category	[value]	n/a	(No corresponding field)					It does not appear that BEDES has a categorization for central refrigeration systems.	
	Refrigeration Unit Type	Refrigerator	n/a	Refrigeration Type	Refrigerator	n/a				
				Freezer	Freezer	n/a				
				Combination	Combination	n/a				
				Other	Other	n/a				
	Size	[value]	ft3	Capacity Qualifier	Size	n/a				
				Capacity	=value	ft3				
	Refrigeration Energy	[value]	W	Unit of Measure	ft3	n/a				
				Load Category	Refrigeration	n/a				
				Capacity Qualifier	Connected load	n/a				
				Capacity	=value	W				
	Door Configuration	Side-by-side	n/a	Door Configuration	Side-by-side	n/a				
				Top and bottom	Top-and-bottom	n/a				
				Other	Other	n/a				
				Unknown	Unknown	n/a				
	Refrigerated Case Doors	True	n/a	Cabinet Configuration	Closed case	n/a				
				False	Open case	n/a				
	Case Door Orientation	[value]	n/a	Case Door Orientation	=value	n/a				
	Case Return Line Diameter		in.	Refrigeration Dimensions	Refrigerant return line diameter	n/a				
				Dimension	=value	in.				
	Defrosting Type	[value]	n/a	Unit of Measure	inches	n/a				
				Defrosting Type	=value	n/a				
	Lamp Power	[value]	W	Load Category	Refrigeration	n/a				
				Consumption Rate Type	Watts per lamp	n/a				
	Anti-Sweat Heaters	[present]	n/a	Refrigeration Components	Anti sweat heater equipment	n/a				
				Refrigeration Components	Anti sweat heater equipment	n/a				
				Capacity Qualifier	Connected load	n/a				
				Capacity	=value	W				
	Anti-Sweat Heater Power	[value]	W	Control Technology	Anti sweat heaters	n/a				
				(No corresponding field)						
	Suction Vapor Temperature	[value]	°F	Setpoint Type	Suction vapor temperature	n/a				
				Setpoint	=value	°F				
	Condensing Temperature	[value]	°F	Setpoint Type	Condensing temperature	n/a				
				Setpoint	=value	°F				
	Split Condenser	True	n/a	Refrigeration Components	Split condenser	n/a				
False				(No corresponding field)						
Design Ambient Temperature	[value]	°F	Setpoint Type	Design ambient temperature	n/a					
			Setpoint	=value	°F					
Design Temperature Difference	[value]	°F	Setpoint Type	Design temperature difference	n/a					
			Setpoint	=value	°F					
Refrigeration Compressor Type	[value]	n/a	Refrigeration Compressor Type	=value	n/a					
Compressor Unloader	True	n/a	Refrigeration Components	Compressor unloader	n/a					
			False	(No corresponding field)						
Compressor Unloader Stages	[value]	n/a	Refrigeration Components	Compressor unloader	n/a					
			Number of Cycles	=value	n/a					
Desuperheat Valve	True	n/a	Refrigeration Components	Desuperheater valve	n/a					
			False	(No corresponding field)						
Crankcase Heater	True	n/a	Refrigeration Components	Crankcase heater	n/a					
			False	(No corresponding field)						
Total Heat Rejection	[value]	MMBtu/hr	Load Category	Refrigeration	n/a					
			Capacity Qualifier	Waste heat	n/a					
			Capacity	=value	MMBtu/hr					
Net Refrigeration Capacity	[value]	MMBtu/hr	Refrigeration Dimensions	Net refrigeration capacity	n/a					
			Capacity	=value	MMBtu/hr					
Number of Refrigerant Return Lines	[value]	n/a	Refrigeration Dimensions	Number of refrigerant return lines	n/a					
			Quantity	=value	n/a					
Evaporator Pressure Regulators	True	n/a	Refrigeration Components	Evaporator pressure regulators	n/a					
			False	(No corresponding field)						
Refrigerant Subcooler	True	n/a	Refrigeration Components	Refrigerant subcooler	n/a					
			False	(No corresponding field)						
Dishwasher	Dishwasher Machine Type	[value]	n/a	Dishwasher Machine Type	=value	n/a				
	Dishwasher Configuration	[value]	n/a	Dishwasher Configuration	=value	n/a				
	Dishwasher Classification	[value]	n/a	Load Category	Dishwasher	n/a				
				Sector Classification	=value	n/a				
	Dishwasher Loads Per Week	[value]	loads/wk	Load Category	Dishwasher	n/a				
				Quantity	=value	loads/wk				
				Unit of Measure	loads/week	n/a				
	Dishwasher Energy Factor	[value]	cycles/kWh	Load Category	Dishwasher	n/a				
				Efficiency Qualifier	Energy Factor	n/a				
				Efficiency Value	=value	cycles/kWh				
Dishwasher Hot Water Use	[value]	gal/cycle	Load Category	Dishwasher	n/a			Assumes the dishwasher uses only hot water. BEDES does not have		

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
Laundry	Washer Dryer Type	[value]	n/a	Consumption Rate Type	Water cycle draw	n/a			a separate hot water consumption term.	
		[value]	n/a	Consumption Rate	Laundry Appliance Type	gal/cycle				
	Laundry Type	Washer	n/a	Laundry Appliance Type	Laundry Appliance Type	Clothes washer	n/a			BEDES does not have a general Combination category, but the details are mapped through the BuildingSync Washer Dryer Type term.
		Dryer	n/a			Clothes dryer	n/a			
		Combination	n/a			(No corresponding field)				
		Other	n/a			Other	n/a			
	Quantity of Laundry	[value]	lb/yr	Quantity	Quantity	=(value)	lb/yr			
				Load Category	Laundry	n/a				
				Interval Frequency	Annual	n/a				
				Unit of Measure	lbs	n/a				
	Laundry Equipment Usage	[value]	loads/wk	Operation Event	Laundry loads	n/a				
	Clothes Washer Classification	[value]	n/a	Operation Events per Year	Laundry	loads/yr	=integer([value]*5.143)			
				Load Category	Laundry	n/a				
	Clothes Washer Loader Type	[value]	n/a	Sector Classification	Laundry	n/a				
				Laundry Appliance Type	Clothes washer	n/a				
	Clothes Washer Modified Energy Factor	[value]	ft3/kWh/cycle	Laundry Configuration	Laundry	n/a				
				Clothes Washer Modified Energy Factor	Laundry	ft3/kWh/cycle				
	Clothes Washer Water Factor	[value]	gal/cycle/ft3	Laundry Appliance Type	Clothes washer	n/a				
				Efficiency Qualifier	Water Factor	n/a				
	Clothes Washer Capacity	[value]	ft3	Efficiency Value	Laundry Appliance Type	Clothes washer	n/a			
				Laundry Appliance Type	Clothes washer	n/a				
				Capacity Qualifier	Volume	n/a				
				Capacity	ft3	n/a				
	Dryer Classification	[value]	n/a	Unit of Measure	ft3	n/a				
Laundry Appliance Type				Clothes dryer	n/a					
Dryer Electric Energy Use Per Load	[value]	kWh/load	Laundry Appliance Type	Clothes dryer	n/a					
			Sector Classification	Clothes dryer	n/a					
Dryer Gas Energy Use Per Load	[value]	Btu/load	Laundry Appliance Type	Clothes dryer	n/a					
			Consumption Rate Type	Energy cycle draw	n/a					
			Consumption Rate	=(value)	Btu/load					
			Unit of Measure	Btu	n/a					
Pump	Pump Efficiency	[value]	%	Process Load Type	Pump	n/a				
				Efficiency Qualifier	Efficiency	n/a				
				Efficiency Value	=(value)	n/a				
				Process Load Type	Pump	n/a				
	Pump Maximum Flow Rate	[value]	gpm	Process Load Type	Pump	n/a				These aren't really setpoints, they are limitations of the pump. But this appears to be the only way to map the data.
				Setpoint Type	Flow Rate	n/a				
	Pump Minimum Flow Rate	[value]	gpm	Setpoint High	=(value)	ft3/min	=(value)*0.133681			These aren't really setpoints, they are limitations of the pump. But this appears to be the only way to map the data.
				Process Load Type	Pump	n/a				
	Pump Installed Flow Rate	[value]	gpm	Setpoint Low	=(value)	ft3/min	=(value)*0.133681			
				Process Load Type	Pump	n/a				
				Setpoint Type	Flow Rate	n/a				
				Setpoint Setting Condition	Normal	n/a				
	Pump Power Demand	[value]	kW	Setpoint	=(value)	ft3/min	=(value)*0.133681			
				Process Load Type	Pump	n/a				
	Pump Control Type	[value]	n/a	Consumption Rate Type	Rated power	n/a				
				Consumption Rate	=(value)	kW				
				Unit of Measure	kW	n/a				
				Process Load Type	Pump	n/a				
				Control Strategy	Average flow	n/a				
				Variable Volume	n/a					
				VFD	n/a					
				Multi-Speed	n/a					
	Pump Operation	[value]	n/a	Other	n/a					
				Unknown	n/a					
Pump Operation	[value]	n/a	Process Load Type	Pump	n/a					
Pumping Configuration	[value]	n/a	Operational Mode	=(value)	n/a					
			Process Load Type	Pump	n/a					
Pump Application	[value]	n/a	Priority	=(value)	n/a					
Pump Application	[value]	n/a	Pump Application	=(value)	n/a					
Fan	Fan Efficiency	[value]	%	Efficiency Qualifier	Fan	n/a				
		[value]	%	Efficiency Value	=(value)	%				
	Fan Size	[value]	cfm	Size	=(value)	ft3/min				
	Installed Flow Rate	[value]	cfm	Installed Flow Rate	=(value)	ft3/min				
	Minimum Flow Rate	[value]	cfm	Minimum Flow Rate	=(value)	ft3/min				
	Maximum Fan Power	[value]	W	Maximum Fan Power	=(value)	W				
	Fan Power Minimum Ratio	[value]	n/a	Fan Power Minimum Ratio	=(value)	n/a				
	Fan Type	[value]	n/a	Fan Type	=(value)	n/a				
	Fan Application	[value]	n/a	Fan Application	=(value)	n/a				
	Flow Control Type	[value]	n/a	Flow Control Type	=(value)	n/a				
	Fan Placement	[value]	n/a	Fan Placement	=(value)	n/a				
	Motor Location Relative to Air Stream	True	n/a	Motor Location Relative to Air Stream	Within air stream	n/a				
		False	n/a		Not within air stream	n/a				
	Design Static Pressure	[value]	Pa	Design Static Pressure	=(value)	Pa				
	Number of Discrete Fan Speeds - Cooling	[value]	n/a	HVAC Systems Controlled	Cooling	n/a				
		[value]	n/a	Number of Discrete Fan Speeds	=(value)	n/a				
	Number of Discrete Fan Speeds - Heating	[value]	n/a	HVAC Systems Controlled	Heating	n/a				
		[value]	n/a	Number of Discrete Fan Speeds	=(value)	n/a				
	Belt Type	[value]	n/a	Belt Type	=(value)	n/a				
	Linked System ID	[value]	n/a	(No corresponding field)	=(value)	n/a				
	Motor	Motor RPM	[value]	rpm	Motor Characteristic	RPM	n/a			Hierarchical element not used in BEDES
			[value]	rpm	Motor Characteristic Value	=(value)	rpm			
		Motor Brake HP	[value]	hp	Motor Characteristic	Brake horsepower	n/a			
			[value]	hp	Motor Characteristic Value	=(value)	hp			
Motor HP	[value]	hp	Motor Characteristic	Horsepower	n/a					
	[value]	hp	Motor Characteristic Value	=(value)	hp					



BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
Motor Efficiency	Motor Efficiency	[value]	%	Efficiency Qualifier	Motor	n/a				
	Drive Efficiency	[value]	%	Efficiency Value	=[value]	%				
				Efficiency Qualifier	Drive	n/a				
	Full Load Amps	[value]	amps	Motor Characteristic	Full load amps	n/a				
				Motor Characteristic Value	=[value]	amps				
	Motor Pole Count	[value]	n/a	Motor Characteristic	Pole count	n/a			Convert integer to decimal	
Motor Enclosure Type	[value]	n/a	Motor Enclosure	=[value]	n/a					
Motor Application	[value]	n/a	(No corresponding field)						Hierarchical element not used in BEDES	
Heat Recovery	Heat Recovery Efficiency	[value]	%	Efficiency Qualifier	Heat recovery	n/a				
	Energy Recovery Efficiency	[value]	%	Efficiency Value	=[value]	%				
				Efficiency Qualifier	Energy recovery	n/a				
	Heat Recovery Type	[value]	n/a	Heat Recovery Type	=[value]	n/a				
	System ID Receiving Heat	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
System ID Providing Heat	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES		
Wall	Exterior Wall Construction	[value]	n/a	Opaque Surface	Wall	n/a				
	Exterior Wall Finish	[value]	n/a	Construction Method	=[value]	n/a				
				Opaque Surface	Wall	n/a				
				Location	Exterior	n/a				
	Exterior Wall Color	[value]	n/a	Finish	=[value]	n/a				
				Opaque Surface	Wall	n/a				
	Wall Insulation Application	[value]	n/a	Location	Exterior	n/a				
				Color	=[value]	n/a				
	Wall Insulation Material	[value]	n/a	Opaque Surface	Wall	n/a				
				Insulation Application	=[value]	n/a				
	Wall Framing Material	[value]	n/a	Material Qualifier	Insulation	n/a				
				Material	=[value]	n/a				
	Wall Insulation Thickness	[value]	in.	Opaque Surface	Wall	n/a				
				Material Qualifier	Insulation	n/a				
	Wall Insulation Continuity	[value]	n/a	Thickness	=[value]	ft	=[value]/12			
				Unit of Measure	inches	n/a				
	Wall Insulation Condition	[value]	n/a	Opaque Surface	Wall	n/a				
				Insulation Continuity	=[value]	n/a				
	Wall Insulation Location	[value]	n/a	Material Qualifier	Insulation	n/a				
				Condition	=[value]	n/a				
	Wall Framing Spacing	[value]	in.	Opaque Surface	Wall	n/a				
				Material Qualifier	Insulation	n/a				
	Wall Framing Depth	[value]	in.	Location	Exterior	n/a				
				Material Qualifier	Framing	n/a				
	Wall Framing Factor	[value]	%	Spacing	=[value]	ft	=[value]/12			
				Material Qualifier	Framing	n/a				
	CMU Fill	[value]	n/a	Depth	=[value]	ft	=[value]/12			
				Depth	=[value]	ft	=[value]/12			
	Wall Exterior Solar Absorptance	[value]	%	Opaque Surface	Wall	n/a				
				Framing Factor	=[value]	%				
	Wall Exterior Thermal Absorptance	[value]	%	(No corresponding field)						
				Opaque Surface	Wall	n/a				
Interior Visible Absorptance	[value]	%	Location	Exterior	n/a					
			Solar Absorptance	=[value]	%					
Tightness	[value]	n/a	Opaque Surface	Wall	n/a					
			Location	Exterior	n/a					
Locations of Exterior Water Intrusion Damage	[value]	n/a	Thermal Absorptance	=[value]	%					
			Location	Interior	n/a					
Locations of Interior Water Intrusion Damage	[value]	n/a	Visible Absorptance	=[value]	%					
			Air Infiltration Description	=[value]	n/a					
Wall R Value	[value]	hr-ft2-f/Btu	(No corresponding field)							
			Opaque Surface	Wall	n/a					
Wall U Factor	[value]	Btu/hr-ft2-f	R Value	=[value]	hr-ft2-f/Btu					
			Opaque Surface	Wall	n/a					
Wall Insulation R Value	[value]	hr-ft2-f/Btu	U Factor	=[value]	Btu/hr-ft2-f					
			Material Qualifier	Insulation	n/a					
Exterior Roughness	[value]	n/a	R-Value	=[value]	hr-ft2-f/Btu					
			Location	Exterior	n/a					
Air Infiltration Value	[value]	n/a	Surface Roughness	=[value]	n/a					
			Air Infiltration Value	=[value]	n/a					
Air Infiltration Value Units	[value]	n/a	Color	=[value]	n/a					
			Air Infiltration Value Units	=[value]	n/a					
Air Infiltration Test	[value]	n/a	Opaque Surface	Roof	n/a					
			Location	Exterior	n/a					
Roof Construction	[value]	n/a	Construction Method	=[value]	n/a					
			Construction Method	=[value]	n/a					
Special Roof Classification	[value]	n/a	Roof	=[value]	n/a					
			Construction Method	=[value]	n/a					
Roof Finish	[value]	n/a	Opaque Surface	Roof	n/a					
			Location	Exterior	n/a					
Roof Color	[value]	n/a	Finish	=[value]	n/a					
			Opaque Surface	Roof	n/a					
Deck Type	[value]	n/a	Location	Exterior	n/a					
			Color	=[value]	n/a					
Roof Insulation Application	[value]	n/a	Opaque Surface	Roof deck	n/a					
			Material Qualifier	Framing	n/a					
Roof Insulation Material	[value]	n/a	Material	=[value]	n/a					
			Opaque Surface	Roof	n/a					
Roof Insulation Material	[value]	n/a	Insulation Application	=[value]	n/a					
			Opaque Surface	Roof	n/a					
Roof Insulation Material	[value]	n/a	Material Qualifier	Insulation	n/a					
			Material Qualifier	Insulation	n/a					

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Roof Insulation Thickness	[value]	in.	Material Opaque Surface Material Qualifier Thickness	=(value) Roof Insulation =(value)	n/a n/a n/a ft		=(value)/12	
	Roof Insulation Continuity	[value]	n/a	Opaque Surface Insulation Continuity	Roof =(value)	n/a n/a			
	Roof Insulation Condition	[value]	n/a	Opaque Surface Material Qualifier Condition	Roof Insulation =(value)	n/a n/a n/a			
	Roof Framing Material	[value]	n/a	Opaque Surface Material Qualifier Material	Roof Framing =(value)	n/a n/a n/a			
	Roof Framing Spacing	[value]	in.	Opaque Surface Material Qualifier Spacing	Roof Framing =(value)	n/a n/a ft		=(value)/12	
	Roof Framing Depth	[value]	in.	Opaque Surface Material Qualifier Depth	Roof Framing =(value)	n/a n/a ft		=(value)/12	
	Roof Framing Factor	[value]	%	Opaque Surface Framing Factor	Roof =(value)	n/a %			
	Roof Exterior Solar Absorptance	[value]	%	Opaque Surface Location Solar Absorptance	Roof Exterior =(value)	n/a n/a %			
	Roof Exterior Thermal Absorptance	[value]	%	Opaque Surface Location Thermal Absorptance	Roof Exterior =(value)	n/a n/a %			
	Roof Slope	[value]	%	Opaque Surface Tilt Description	Roof =(value)	n/a %			
	Radiant Barrier	[value]	n/a	Opaque Surface Radiant Barrier	Roof Foil backed material	n/a n/a			
	Roof R Value	[value]	hr-ft2-F/Btu	Opaque Surface R-Value	Roof =(value)	n/a hr-ft2-F/Btu			
	Roof U Factor	[value]	Btu/hr-ft2-F	Opaque Surface U Factor	Roof =(value)	n/a Btu/hr-ft2-F			
	Roof Insulation R Value	[value]	hr-ft2-F/Btu	Opaque Surface Material Qualifier R-Value	Roof Insulation =(value)	n/a n/a hr-ft2-F/Btu			
Ceiling	Ceiling Construction	[value]	n/a	Opaque Surface Construction Method	Ceiling =(value)	n/a n/a			
	Ceiling Finish	[value]	n/a	Opaque Surface Location Finish	Ceiling Interior =(value)	n/a n/a n/a			
	Ceiling Color	[value]	n/a	Opaque Surface Location Color	Ceiling Interior =(value)	n/a n/a n/a			
	Ceiling Insulation Application	[value]	n/a	Opaque Surface Insulation Application	Ceiling =(value)	n/a n/a			
	Ceiling Insulation Material	[value]	n/a	Opaque Surface Material Qualifier Material	Ceiling Insulation =(value)	n/a n/a n/a			
	Ceiling Insulation Thickness	[value]	in.	Opaque Surface Material Qualifier Thickness	Ceiling Insulation =(value)	n/a n/a ft		=(value)/12	
	Ceiling Insulation Continuity	[value]	n/a	Opaque Surface Insulation Continuity	Ceiling =(value)	n/a n/a			
	Ceiling Insulation Condition	[value]	n/a	Opaque Surface Material Qualifier Condition	Ceiling Insulation =(value)	n/a n/a n/a			
	Ceiling Framing Material	[value]	n/a	Opaque Surface Material Qualifier Material	Ceiling Framing =(value)	n/a n/a n/a			
	Ceiling Framing Spacing	[value]	in.	Opaque Surface Material Qualifier Spacing	Ceiling Framing =(value)	n/a n/a ft		=(value)/12	
	Ceiling Framing Depth	[value]	in.	Opaque Surface Material Qualifier Depth	Ceiling Framing =(value)	n/a n/a ft		=(value)/12	
	Ceiling Framing Factor	[value]	%	Opaque Surface Framing Factor	Ceiling =(value)	n/a %		=(value)/12	
	Ceiling Visible Absorptance	[value]	%	Opaque Surface Location Visible Absorptance	Ceiling Interior =(value)	n/a n/a %			
	Ceiling R Value	[value]	hr-ft2-F/Btu	Opaque Surface R Value	Ceiling =(value)	n/a hr-ft2-F/Btu			
	Ceiling U Factor	[value]	Btu/hr-ft2-F	Opaque Surface U Factor	Ceiling =(value)	n/a Btu/hr-ft2-F			
Fenestration	Fenestration Type	[value]	n/a	Fenestration	=(value)	n/a			
	Glass Type	[value]	n/a	Fenestration Glazing Type	=(value)	n/a			
	Fenestration Operation	[value]	n/a	Fenestration Operation	=(value)	n/a			
	Fenestration Gas Fill	[value]	n/a	Fenestration Gas Fill	=(value)	n/a			
		Argon	n/a	Argon	n/a	n/a			
		Krypton	n/a	Krypton	n/a	n/a			
		Other Insulating Gas	n/a	Other	n/a	n/a			
		Air	n/a	Air	n/a	n/a			
		Other	n/a	Other	n/a	n/a			
		Unknown	n/a	Unknown	n/a	n/a			
	Fenestration Glass Layers	[value]	n/a	Fenestration Glass Layer Description	=(value)	n/a			
	Visible Transmittance	[value]	%	Opaque Surface Component Visible Transmittance	Fenestration =(value)	n/a %			
	Fenestration Frame Material	[value]	n/a	Fenestration Frame Material	=(value)	n/a			
	Fenestration R Value	[value]	hr-ft2-F/Btu	Opaque Surface Component R Value	Fenestration =(value)	n/a hr-ft2-F/Btu			
	Fenestration U Factor	[value]	Btu/hr-ft2-F	Opaque Surface Component U Factor	Fenestration =(value)	n/a Btu/hr-ft2-F			
	Solar Heat Gain Coefficient	[value]	%	Solar Heat Gain Coefficient	=(value)	%			
	Window Orientation	[value]	n/a	Fenestration	Window	n/a			

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Window Layout	[value]	n/a	Cardinal Orientation	=(value)	n/a			
	Exterior Shading Type	[value]	n/a	Fenestration Layout	=(value)	n/a			
	Overhang Height above Window	[value]	ft	Location	Exterior	n/a			
	Overhang Projection	[value]	ft	Shading System	Overhang	n/a			BEDES does not have qualifiers that identify this term as offset relative to the window.
	Vertical Fin Depth	[value]	ft	Offset	=(value)	ft			
	Distance Between Vertical Fins	[value]	ft	Shading System	Overhang	n/a			
	Vertical Edge Fin Only	[value]	n/a	Depth	=(value)	ft			
	Light Shelves	[presence]	n/a	Shading System	Fin	n/a			
	Light Shelf Distance from Top	[value]	ft	Shading System	Depth	=(value)	ft		
	Light Shelf Exterior Protrusion	[value]	ft	Offset	=(value)	ft			
	Light Shelf Interior Protrusion	[value]	ft	Shading System	Light shelf	n/a			
	Interior Shading Type	[value]	n/a	Location	Exterior	n/a			
	Window Sill Height	[value]	ft	Depth	=(value)	ft			
	Window Height	[value]	ft	Shading System	Light shelf	n/a			
	Window Width	[value]	ft	Location	Interior	n/a			
	Window Horizontal Spacing	[value]	ft	Depth	=(value)	ft			
	Weatherstripped	True	n/a	Fenestration	Window	n/a			
	Skylight Layout	[value]	n/a	Sill Height	=(value)	ft			
	Skylight Pitch	[value]	n/a	Fenestration	Window	n/a			
	Skylight Window Treatments	[value]	n/a	Height	=(value)	ft			
	Skylight Solar tube	True	n/a	Fenestration	Window	n/a			
	Exterior Door Type	[value]	n/a	Width	=(value)	ft			
	Vestibule	[value]	n/a	Fenestration	Window	n/a			
	Door Operation	[value]	n/a	Spacing	=(value)	ft			
	Door Glazed Area Fraction	[value]	%	Weatherstrip Status	Weatherstripped	n/a			
	Tightness Fit Condition	[value]	n/a	Not weatherstripped	n/a				
	Ground Coupling	[value]	n/a	(No corresponding field)					
Foundation	Ground Coupling	[value]	n/a	Fenestration	Skylight	n/a			
	Slab Area	[value]	ft2	Tilt Angle	=(value)	degrees			
	Slab Insulation Orientation	[value]	n/a	Fenestration	Skylight	n/a			
	Slab Perimeter	[value]	ft	Shading System	Skylight	n/a			
	Slab Exposed Perimeter	[value]	ft	Fenestration	Skylight	n/a			
	Slab Insulation Thickness	[value]	in.	Location	Interior	n/a			
	Slab Insulation Condition	[value]	n/a	Material Qualifier	Insulation	n/a			
	Slab Heating	[value]	n/a	Thickness	=(value)	ft			
	Crawlspace Venting	[value]	n/a	Foundation Ground Coupling	Slab	n/a			
	Basement Conditioning	[value]	n/a	Material Qualifier	Insulation	n/a			
	Floor Covering	[value]	n/a	Condition	=(value)	n/a			
	Plumbing Penetration Sealing	[value]	n/a	Foundation Ground Coupling	Slab	n/a			
	Floor Construction Type	[value]	n/a	Material Qualifier	Insulation	n/a			
	Floor Insulation Thickness	[value]	in.	Thickness	=(value)	ft			
	Floor Insulation Condition	[value]	n/a	Condition	=(value)	n/a			
	Floor R Value	[value]	hr-ft2-F/Btu	Foundation Ground Coupling	Slab	n/a			
	Floor U Factor	[value]	Btu/hr-ft2-F	Material Qualifier	Insulation	n/a			
	Floor Framing Spacing	[value]	in.	Condition	=(value)	n/a			
				Material Qualifier	Insulation	n/a			
				Spacing	=(value)	ft			

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes		
	Floor Framing Depth	[value]	in.	Opaque Surface Material Qualifier Depth	Floor Framing -[value]	n/a n/a ft					
	Floor Framing Factor	[value]	%	Opaque Surface Framing Factor	Floor -[value]	n/a %					
	Foundation Wall Construction	[value]	n/a	Opaque Surface Construction Method	Foundation wall -[value]	n/a n/a					
	Foundation Height Above Grade	[value]	ft	Location Foundation Height	Above grade -[value]	n/a ft					
	Foundation Wall Insulation Thickness	[value]	in.	Opaque Surface Material Qualifier Thickness	Foundation wall Insulation -[value]	n/a n/a ft					
	Foundation Wall R Value	[value]	hr-ft2-F/Btu	Opaque Surface R Value	Foundation wall -[value]	n/a					
	Foundation Wall U Factor	[value]	Btu/hr-ft2-F	Opaque Surface U Factor	Foundation wall -[value]	n/a					
	Foundation Wall Insulation Continuity	[value]	n/a	Opaque Surface Insulation Continuity	Foundation wall -[value]	n/a					
	Foundation Wall Insulation Condition	[value]	n/a	Opaque Surface Material Qualifier Condition	Foundation wall Insulation -[value]	n/a n/a					
	Critical IT System	IT System Type	Data Center	n/a	Occupancy Classification	Data center	n/a				
Server			n/a	Electronic Equipment Type	Server	n/a					
Networking			n/a	Network Equipment Type	Network equipment	n/a					
Security			n/a	Occupancy Classification	Security room	n/a					
Telephoning			n/a	Electronic Equipment Type	Telephone	n/a					
UPS			n/a	Uninterruptible Power Supplies	UPS	n/a					
Other			n/a	Electronic Equipment Type	Other	n/a					
Unknown			n/a	Electronic Equipment Type	Unknown	n/a					
IT Peak Power		[value]	W	End Use Consumption Rate Type Consumption Rate Unit Of Measure	IT Equipment Rated power -[value] W	n/a n/a W n/a					
		IT Standby Power	[value]	W	End Use Consumption Rate Type Consumption Rate Unit Of Measure	IT Equipment Idle power -[value] W	n/a n/a W n/a				
			IT Nominal Power	[value]	W	End Use Consumption Rate Type Consumption Rate Unit Of Measure	IT Equipment Nominal power -[value] W	n/a n/a W n/a			
Plug Loads				Plug Load Type	Personal Computer	n/a	Electronic Equipment Type	Computer	n/a		
		Task Lighting			n/a	Electronic Equipment Type	Other	n/a			
		Printline	n/a		Electronic Equipment Type	Imaging	n/a				
		Cash Register	n/a		Computer Type	Cash register	n/a				
	Audio	n/a	Electronic Equipment Type		Audio	n/a					
	Display	n/a	Electronic Equipment Type		Display	n/a					
	Set Top Box	n/a	Electronic Equipment Type		Set top box	n/a					
	Business Equipment	n/a	Electronic Equipment Type		Other	n/a					
	Other	n/a	Electronic Equipment Type		Other	n/a					
	Unknown	n/a	Electronic Equipment Type		Unknown	n/a					
Plug Load Peak Power	[value]	W	End Use Consumption Rate Type Consumption Rate Unit Of Measure	Plug Load Rated power -[value] W	n/a n/a W n/a						
	Plug Load Standby Power	[value]	W	End Use Consumption Rate Type Consumption Rate Unit Of Measure	Plug Load Idle power -[value] W	n/a n/a W n/a					
Plug Load Nominal Power		[value]	W	End Use Consumption Rate Type Consumption Rate Unit Of Measure	Plug Load Nominal power -[value] W	n/a n/a W n/a					
	Miscellaneous Electric Load	[value]	W/ft2	(No corresponding field)					BEDES does not aggregate loads at this level, and it's impossible to map general loads to the more detailed fields in BEDES. This mapping is addressed through more specific BuildingSync terms.		
Process Load	Process Load Type	Medical Equipment	n/a	Process Load Type	Medical equipment	n/a					
		Laboratory Equipment	n/a		Laboratory equipment	n/a					
		Machinery	n/a		Machinery	n/a					
		Air Compressor	n/a		Air compressor	n/a					
		Fume Hood	n/a		Fume hood	n/a					
		Appliance	n/a		Other	n/a					
		Gaming/Hobby/Leisure	n/a		Other	n/a					
		Infrastructure	n/a		Infrastructure	n/a					
		Electric Vehicle Charging	n/a		Electric vehicle charging	n/a					
		Other	n/a		Other	n/a					
	Unknown	n/a		Unknown	n/a						
	Process Load Peak Power	[value]	W	Load Category Consumption Rate Type Consumption Rate Unit Of Measure	Process Rated power -[value] W	n/a n/a W n/a					
		Process Load Standby Power	[value]	W	Load Category Consumption Rate Type Consumption Rate Unit Of Measure	Process Idle power -[value] W	n/a n/a W n/a				
			Heat Gain Fraction	[value]	%	(No corresponding field)					
	Miscellaneous Gas Load		[value]	kBtu/ft2	(No corresponding field)						
Conveyance	Conveyance System Type	[value]	n/a	Conveyance System Type	-[value]	n/a					
	Conveyance Load Type	[value]	n/a	Conveyance Load Type	-[value]	n/a					
	Conveyance Peak Power	[value]	W	Load Category Consumption Rate Type Consumption Rate Unit Of Measure	Conveyance Rated power -[value] W	n/a n/a W n/a					
		Conveyance Standby Power	[value]	W	Load Category Consumption Rate Type	Conveyance Idle power	n/a n/a				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
On-Site Storage, Transmission, Generation	Energy Conversion Type	[value]	n/a	Consumption Rate	=[value]	W			
				Unit Of Measure	(No corresponding field)	W			
	Onsite Generation Type	PV	n/a	Energy Generation Technology	Photovoltaic	n/a			Hierarchical element not used in BEDES
		Other	n/a		(No corresponding field)				This is primarily a hierarchical element in BuildingSync. If "Other" is selected, then Other Energy Generation Technology provides more detail.
	Other Energy Generation Technology	[value]	n/a	Energy Generation Technology	=[value]	n/a			
	Output Resource Type	[value]	n/a	Output Resource Type	=[value]	n/a			
	Backup Generator	True	n/a	Find Use	Generator	n/a			
		False	n/a	Priority	Backup	n/a			
			n/a		(No corresponding field)				
			n/a		(No corresponding field)				
	Demand Reduction	[value]	n/a	Energy Generation Technology	Photovoltaic	n/a			
	Photovoltaic System Number of Modules per Array	[value]	n/a	Technology Component	Array	n/a			
				Quantity of Modules per System	=[value]	n/a			
	Photovoltaic System Number of Arrays	[value]	n/a	Energy Generation Technology	Photovoltaic	n/a			
				Technology Component	Array	n/a			
				Quantity	=[value]	n/a			
	Photovoltaic System Maximum Power Output	[value]	Wdc	Energy Generation Technology	Photovoltaic	n/a			
				Resource Generation	Renewable	n/a			
				Consumption Rate Type	Maximum power output	n/a			
				Resource Value	=[value]	W			
				Unit of Measure	W	n/a			
	Photovoltaic System Inverter Efficiency	[value]	%	Energy Generation Technology	Photovoltaic	n/a			
				Efficiency Qualifier	Energy conversion	n/a			
				Efficiency Value	=[value]	%			
	Photovoltaic System Array Azimuth	[value]	degrees	Energy Generation Technology	Photovoltaic	n/a			
				Technology Component	Array	n/a			
				Azimuth	=[value]	degrees			
	Photovoltaic System Racking System Tilt Angle Min	[value]	degrees	Energy Generation Technology	Photovoltaic	n/a			In BEDES, tilt angle is not a Setpoint Type, and there is no maximum or minimum Tilt Angle qualifier. Therefore this term cannot be mapped perfectly.
				Technology Component	Racking System	n/a			
				Tilt Angle	=[value]	degrees			
Photovoltaic System Racking System Tilt Angle Max	[value]	degrees	Energy Generation Technology	Photovoltaic	n/a			In BEDES, tilt angle is not a Setpoint Type, and there is no maximum or minimum Tilt Angle qualifier. Therefore this term cannot be mapped perfectly.	
			Technology Component	Racking system	n/a				
			Tilt Angle	=[value]	degrees				
Photovoltaic System Location	[value]	n/a	Energy Generation Technology	Photovoltaic	n/a				
			Location	=[value]	n/a				
Photovoltaic Module Rated Power	[value]	W	Energy Generation Technology	Photovoltaic	n/a				
			Technology Component	Module	n/a				
			Resource Generation	Renewable	n/a				
			Consumption Rate Type	Rated power	n/a				
			Unit of Measure	W	n/a				
			Consumption Rate	=[value]	W				
Photovoltaic Module Length	[value]	in	Energy Generation Technology	Photovoltaic	n/a				
			Technology Component	Module	n/a				
			Length	=[value]	ft		=[value]/12		
Photovoltaic Module Width	[value]	in	Energy Generation Technology	Photovoltaic	n/a				
			Technology Component	Module	n/a				
			Width	=[value]	ft		=[value]/12		
External Power Supply	[value]	n/a	External Power Supply Mode	=[value]	n/a				
Energy Storage Technology	[value]	n/a	Energy Storage Technology	=[value]	n/a				
Thermal Medium	[value]	n/a	Thermal Medium	=[value]	n/a				
Pool Type	[value]	n/a	Water Feature Type	=[value]	n/a				
Pool Size Category	[value]	n/a	Pool Size Category	=[value]	n/a				
Heated			Water Feature Type	Pool	n/a				
	[presence]	n/a	Water Feature Heating Method	Artificial	n/a				
	[absence]	n/a		Passive	n/a				
Water Temperature	[value]	°F	Water Feature Type	Pool	n/a				
			Setpoint Type	Mixed water temperature	n/a				
			Setpoint	=[value]	°F				
Hours Uncovered	[value]	hrs/day	(No corresponding field)						
Pool Area	[value]	ft2	Water Feature Type	Pool	n/a				
			Area	=[value]	ft2				
Pool Volume	[value]	gal	Water Feature Type	Pool	n/a				
			Volume	=[value]	ft3		=[value]*0.133681		
Pump Duty Cycle	[value]	%	Water Feature Type	Pool	n/a				
			Process Load Type	Pump	n/a				
			Duty Cycle	=[value]	%				
Water Use	Water Use Type	Restroom Sink Use	n/a	Water Fixture Type	Sink	n/a			
		Restroom Toilet/Urinal Water Use	n/a		Toilet	n/a			
		Kitchen Water Use	n/a		Other	n/a			
		Shower Facility Water Use	n/a		Bath	n/a			
		Drinking Fountain Water Use	n/a		Other	n/a			
		Janitorial Water Use	n/a		Other	n/a			
		Laundry Water Use	n/a		Other	n/a			
		Indoor Washdown Water Use (if indoor)	n/a		Other	n/a			

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
		Outdoor Landscape Water Use	n/a		Other	n/a			
		Outdoor Non-Landscape Water Use	n/a		Other	n/a			
		Outdoor Washdown Water Use (if outdoor)	n/a		Other	n/a			
		Cooling Tower Make-up Water Use	n/a		Other	n/a			
		Hydronic Loop Make-up Water Use	n/a		Other	n/a			
		Evaporative Cooling System Water Use	n/a		Other	n/a			
		Pre-Treatment Process Water Use	n/a		Other	n/a			
		Captured Rain Water	n/a		Other	n/a			
		Recycled Greywater	n/a		Other	n/a			
		Condensate Recovery	n/a		Other	n/a			
		Stormwater Sewer Production	n/a		Other	n/a			
		Stormwater Discharge	n/a		Other	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
	Water Resource	[value]	n/a	Resource	=[value]	n/a			
	Water Fixture Rated Flow Rate	[value]	gpm	Load Category	Water feature	n/a			
				Setpoint Type	Flow Rate	n/a			
				Setpoint	=[value]	ft3/min	=[value]*0.13368		
	Low Flow Fixtures	[value]	n/a	(No corresponding field)					
	Water Fixture Volume per Cycle	[value]	gal/cycle	Load Category	Water feature	n/a			
				Consumption Rate Type	Water cycle draw	n/a			
				Consumption Rate	=[value]	gal/cycle			
	Water Fixture Cycles per Day	[value1]	cycles/day	Load Category	Water feature	n/a			
	Water Fixture Volume per Cycle	[value2]	gal/cycle	Consumption Rate Type	Daily Draw	n/a			
				Consumption Rate	=[value1]*[value2]	gallons/day			
				Unit of Measure	gallons/day	n/a			
	Water Fixture Fraction Hot Water	[value]	%	(No corresponding field)					
Global Elements	Quantity	[value]	n/s	Quantity	=[value]	n/a			
	Location	[value]	n/a	Location	=[value]	n/a			
	Control Technology	Programmable Thermostat	n/a	Control Technology	Thermostat	n/a			
		Manual Analog Thermostat	n/a	Control Technology	Programmable	n/a			
		Manual Digital Thermostat	n/a	Control Technology	Thermostat	n/a			
		Manual On/Off	n/a		Manual	n/a			
		EMCS	n/a		Energy Management and Controls System	n/a			
		Always On	n/a		Always on	n/a			
		Timer	n/a		Timer	n/a			
		Other	n/a		Other	n/a			
		Unknown	n/a		Unknown	n/a			
	Primary Fuel	[value]	n/a	Resource	=[value]	n/a			
	Year Installed	[value]	CCY	Date Status	Installed	n/a			
				Date	=[value]	CCY			
				Date Format	Year	n/a			
	Year of Manufacture	[value]	CCY	Year of Manufacture	=[value]	CCY			
	Manufacturer	[value]	n/a	Manufacturer	=[value]	n/a			
	Model Number	[value]	n/a	Model Number	=[value]	n/a			
	Capacity	[value]	n/a	Capacity	=[value]	n/a			
	Capacity Units	[value]	n/a	Unit of Measure	=[value]	n/a			
	Duty Cycle	[value]	n/a	Duty Cycle	=[value]	n/a			
	Third Party Certification	[value]	n/a	Equipment Rating	=[value]	n/a			
	Linked Premises	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Linked Schedule ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Linked Site ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Linked Facility ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Linked Space ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Linked Thermal Zone ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
	Linked Subsection ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES
Metadata	Source	Default	n/a	Derivation Method	Default	n/a			Hierarchical element not used in BEDES
		Estimate	n/a		Estimated	n/a			
		Government record	n/a	Origin	Government record	n/a			
		Agent	n/a		Agent	n/a			
		Assessor	n/a		Assessor	n/a			
		Auditor	n/a		Auditor	n/a			
		Product specification	n/a		Product specification	n/a			
		Building Component Library	n/a		Building Component Library	n/a			
		Utility transfer	n/a		Utility transfer	n/a			
		Energy Management System	n/a		Energy Management System	n/a			
		Drawings	n/a		Drawings	n/a			
		Direct measurement	n/a		Direct measurement	n/a			
		Design files	n/a		Design files	n/a			
		Simulation	n/a		Simulation	n/a			
		ENERGY STAR Portfolio Manager	n/a		ENERGY STAR Portfolio Manager	n/a			
		US EPA	n/a		US EPA	n/a			
		US EIA	n/a		US EIA	n/a			
		Target Finder	n/a		Target Finder	n/a			
		Arch2030	n/a		Arch2030	n/a			
		ASHRAE	n/a		ASHRAE	n/a			
		Utility	n/a		Utility	n/a			
		Other	n/a		Other	n/a			
	ID	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES

## Mapping of BuildingSync Version 2.0 to BEDES Version 1.2 - Measures Data

Enumerations are only listed when there is a difference between BuildingSync and BEDES, otherwise "[value]" is used.

The BuildingSync enumerations must include all values to allow mapping, but some values in the corresponding BEDES term may not be used.

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
Description	Type of Measure	[value]	n/a	Action Category	=[value]	n/a				
	Long Description	[value]	n/a	Notes	=[value]	n/a				
	Measure Scale of Application	[value]	n/a	Application Scale	=[value]	n/a				
	Premise Affected	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	System Category Affected	Air Distribution	n/a	End Use	Other	n/a				This is primarily a hierarchical term in BuildingSync, used to help identify the reference IDs for systems that are modified by the measure.
		Heating System	n/a		Heating	n/a				
		Cooling System	n/a		Cooling	n/a				
		Other HVAC	n/a		Other	n/a				
		Lighting	n/a		Total Lighting	n/a				
		Domestic Hot Water	n/a		Domestic Hot Water	n/a				
		Cooking	n/a		Cooking	n/a				
		Refrigeration	n/a		Refrigeration	n/a				
		Dishwasher	n/a		Dishwasher	n/a				
		Laundry	n/a		Laundry	n/a				
		Pump	n/a		Process Load	n/a				
		Fan	n/a		Other	n/a				
		Motor	n/a		Process Load	n/a				
		Heat Recovery	n/a		Other	n/a				
		Wall	n/a		Other	n/a				
		Roof	n/a		Other	n/a				
		Ceiling	n/a		Other	n/a				
		Fenestration	n/a		Other	n/a				
		Foundation	n/a		Other	n/a				
		General Controls and Operations	n/a		Other	n/a				
		Critical IT System	n/a		IT Equipment	n/a				
		Plug Load	n/a		Plug Load	n/a				
		Process Load	n/a		Process Load	n/a				
		Conveyance	n/a		Conveyance	n/a				
		On-Site Storage, Transmission, Generation	n/a		Generator	n/a				
		Pool	n/a		Pool Heating	n/a				
		Water Use	n/a		Other	n/a				
		Other	n/a		Other	n/a				
	Technology Category	BoilerPlantImprovements	n/a	Technology Category	Boiler plant improvements	n/a				
		ChillerPlantImprovements	n/a		Chiller plant improvements	n/a				
		BuildingAutomationSystems	n/a		Building automation systems	n/a				
		OtherHVAC	n/a		Heating ventilating and air conditioning	n/a				
		LightingImprovements	n/a		Lighting improvements	n/a				
		BuildingEnvelopeModifications	n/a		Building envelope modifications	n/a				
		ChilledWaterHotWaterAndSteamDistributionSystems	n/a		Chilled water hot water and steam distribution systems	n/a				
		ElectricMotorsAndDrives	n/a		Electric motors and drives	n/a				
		Refrigeration	n/a		Refrigeration	n/a				
		DistributedGeneration	n/a		Distributed generation	n/a				
		RenewableEnergySystems	n/a		Renewable energy systems	n/a				
		EnergyDistributionSystems	n/a		Energy distribution systems	n/a				
		WaterAndSewerConservationSystems	n/a		Water and sewer conservation systems	n/a				
		ElectricalPeakShavingLoadShifting	n/a		Electrical peak shaving or load shifting	n/a				
		EnergyCostReductionThroughRateAdjustments	n/a		Energy cost reduction through rate adjustments	n/a				
EnergyRelatedProcessImprovements		n/a		Energy related process improvements	n/a					
AdvancedMeteringSystems		n/a		Advanced metering systems	n/a					
PlugLoadReductions		n/a		Plug load reductions	n/a					
FutureOtherECMs		n/a		Other	n/a					
HealthAndSafety		n/a		Other	n/a					
Uncategorized	n/a		Other	n/a						
Measure Name	[value]	n/a	Reporting Level	Measure	n/a					
			Description	=[value]	n/a					
Measure Coverage	[value]	%	Scope	=[value]	%					
Existing System Replaced	Idref	n/a	(No corresponding field)						Hierarchical element not used in BEDES	
Existing System Affected	Idref	n/a	(No corresponding field)						Hierarchical element not used in BEDES	

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
	Existing System Removed	ldref	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Alternative System Replacement	ldref	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Alternative System Added	ldref	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Modified System	ldref	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Existing Schedule Affected	ldref	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Modified Schedule	ldref	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	M&V Option	Option A: Retrofit Isolation With Partial Measurement	n/a	IPMVP Option	Option A	n/a				
		Option B: Retrofit Isolation With Full Measurement	n/a		Option B	n/a				
		Option C: Whole Building Measurement	n/a		Option C	n/a				
		Option D: Calibrated Simulation	n/a		Option D	n/a				
		Combination	n/a		Other	n/a				
	Useful Life	[value]	yr	Reporting Level	Measure	n/a				
	Recommended	True	n/a	Implementation Status	Recommended	n/a				
		False	n/a		Evaluated	n/a				
	Start Date	[value]	CCYY-MM-DD	Implementation Status	Initiated	n/a				
				Implementation Status Date	= [value]	CCYY-MM-DD				
	End Date	[value]	CCYY-MM-DD	Date Format	Date	n/a				
				Implementation Status	Completed	n/a				
	Measure Rank	[value]	n/a	Implementation Status Date	= [value]	CCYY-MM-DD				
				Date Format	Date	n/a				
	Measure First Cost	[value]	\$	(No corresponding field)						
				Reporting Level	Measure	n/a				
				Cost Attribution	First	n/a				
				Unit Of Measure	\$	n/a				
	Capital Replacement Cost	[value]	\$	Cost	= [value]	\$				
				Reporting Level	Measure	n/a				
				Cost Attribution	Replacement	n/a				
				Unit Of Measure	\$	n/a				
	Residual Value	[value]	\$	(No corresponding field)					This value is a theoretical function of analysis period and measure lifetimes used for NPV analysis, and does not represent a real cost.	
	Implementation Status	[value]	n/a	Implementation Status	= [value]	n/a				
	Discard Reason	[value]	n/a	Discard Reason	= [value]	n/a				



## Mapping of BuildingSync Version 2.0 to BEDES Version 1.2 - Reporting Data

Enumerations are only listed when there is a difference between BuildingSync and BEDES, otherwise "[value]" is used.

The BuildingSync enumerations must include all values to allow mapping, but some values in the corresponding BEDES term may not be used.

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
Scenario	Scenario Name	[value]	n/a	Description	= [value]	n/a				
	Temporal Status	[value]	n/a	Temporal Status	= [value]	n/a				
	Normalization	[value]	n/a	Normalization	= [value]	n/a				
	Qualifier								Marked for deletion	
	Onsite	n/a	n/a	Resource Boundary	Onsite	n/a				
	Offsite	n/a	n/a	Resource Boundary	Offsite	n/a				
	Onsite and Offsite	n/a	n/a	Resource Boundary	Gross	n/a				
	Direct	n/a	n/a	Emission Boundary	Direct	n/a				
	Indirect	n/a	n/a	Emission Boundary	Indirect	n/a				
	Biomass	n/a	n/a	Emission Source	Biomass	n/a				
	Net	n/a	n/a	Emission Boundary	Net	n/a				
	Municipally Supplied Potable Water	n/a	n/a	Water Resource	Potable water	n/a				
	Municipally Supplied Reclaimed Water	n/a	n/a	Water Resource	Reclaimed water	n/a				
	Alternative Water Generated On-Site	n/a	n/a	Water Resource	Alternative water	n/a				
	Indoor	n/a	n/a	Location	Interior	n/a				
	Outdoor	n/a	n/a	Location	Exterior	n/a				
	Total	n/a	n/a	Resource Boundary	Gross	n/a				
	Scenario Type	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES. Similar to Temporal Status, but this term restricts subelements to relevant ones in BuildingSync.	
	Measured Energy Source	UtilityBills	n/a	Origin	Utility	n/a				
		DirectMeasurement	n/a		Direct measurement	n/a				
		Other	n/a		Other	n/a				
	Weather Type	[value]	n/a	(No corresponding field)					Hierarchical element not used in BEDES. Similar to Normalization, but this term restricts subelements to relevant ones in BuildingSync.	
	Weather Data Source	[value]	n/a	Weather Data Type	= [value]	n/a				
	Weather Year	[value]	CCYY	Normalization	Adjusted to specific year	n/a				
				Collection Date	= [value]	CCYY				
				Date Format	Year	n/a				
	Normalization Years	[value]	yr	(No corresponding field)					BEDES assumes 30 years for weather normalization.	
	Normalization Start Year	[value]	CCYY	(No corresponding field)						
	Annual Heating Degree Days	[value]	*F-days	Weather Metric	Heating Degree Days	n/a				
				Weather Metric Value	= [value]	*F-days				
				Interval Frequency	Annual	n/a				
	Annual Cooling Degree Days	[value]	*F-days	Weather Metric	Cooling Degree Days	n/a				
				Weather Metric Value	= [value]	*F-days				
				Interval Frequency	Annual	n/a				
	Calculation Method	[value]	n/a	Derivation Method	= [value]	n/a				
	Software Program Used	[value]	n/a	Energy Software Tool	= [value]	n/a				
	Software Program Version	[value]	n/a	Energy Software Tool Version	= [value]	n/a				
	Benchmark Type	[value]	n/a	Benchmark Peer Group	= [value]	n/a				
	Code Name	[value]	n/a	Building Energy Code or Standard	= [value]	n/a				
	Code Version	[value]	n/a	Building Energy Code Or Standard Version	= [value]	n/a				
	Code Year	[value]	CCYY	Building Energy Code Year	= [value]	CCYY				
	Standard Practice Description	[value]	n/a	Description	= [value]	n/a				
	Other Benchmark Description	[value]	n/a	Description	= [value]	n/a				
	Benchmark Tool	[value]	n/a	Assessment Tool	= [value]	n/a				
	Summer Peak	[value]	kW	Interval Measure	Demand	n/a				
				Interval Frequency	15 minute	n/a				
				Schedule Period	Summer	n/a				
				Power Metric Value	= [value]	kW				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes		
	Winter Peak	[value]	kW	Power Metric	Power	n/a					
				Unit of Measure	kW	n/a					
				Interval Measure	Demand	n/a					
				Interval Frequency	15 minute	n/a					
				Schedule Period	Winter	n/a					
				Power Metric Value	=[value]	kW					
				Power Metric	Power	n/a					
				Unit of Measure	kW	n/a					
	End Use	All end uses	n/a	n/a	End Use	Premises	n/a				
					Total Lighting	Total Lighting	n/a				
					Interior Lighting	Interior Lighting	n/a				
					Exterior Lighting	Exterior Lighting	n/a				
					Heating	Heating	n/a				
					Cooling	Cooling	n/a				
					Ventilation	Ventilation	n/a				
					Pump	Pump	n/a				
					IT Equipment	IT Equipment	n/a				
					Plug in Electric Vehicle	Plug in Electric Vehicle	n/a				
					Plug Load	Plug Load	n/a				
					Process Load	Process Load	n/a				
					Conveyance	Conveyance	n/a				
					Domestic Hot Water	Domestic Hot Water	n/a				
					Refrigeration	Refrigeration	n/a				
					Cooking	Cooking	n/a				
					Dishwasher	Dishwasher	n/a				
					Laundry	Laundry	n/a				
					Pool Heating	Pool Heating	n/a				
					On Site Generation	Generator	n/a				
	Resource Boundary	[value]	n/a	Resource Boundary	=[value]	n/a					
	Site Energy Use	[value]	kBTu	kBTu	Resource Boundary	Site	n/a			Site and source energy elements could be collapsed in BuildingSync because the ResourceBoundary term has been added. However, it would require another layer with unbounded energy use elements. It's simpler to explicitly include the two key energy use types so there is no ambiguity if ResourceBoundary is left blank.	
					Resource	Energy	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Value	=[value]	kBTu				
					Unit of Measure	kBTu	n/a				
					Unit of Measure	kBTu	n/a				
	Site Energy Use Intensity	[value]	kBTu/ft2	kBTu/ft2	Resource Boundary	Site	n/a				
					Resource	Energy	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Intensity	=[value]	kBTu/ft2				
					Unit of Measure	kBTu/ft2	n/a				
					Unit of Measure	kBTu	n/a				
	Source Energy Use	[value]	kBTu	kBTu	Resource Boundary	Source	n/a				
					Resource	Energy	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Value	=[value]	kBTu				
					Unit of Measure	kBTu	n/a				
					Unit of Measure	kBTu	n/a				
	Source Energy Use Intensity	[value]	kBTu/ft2	kBTu/ft2	Resource Boundary	Source	n/a				
					Resource	Energy	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Intensity	=[value]	kBTu/ft2				
					Unit of Measure	kBTu/ft2	n/a				
					Unit of Measure	kBTu	n/a				
	Energy Cost	[value]	\$	\$	Resource	Energy	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Cost	=[value]	\$				
					Unit of Measure	\$	n/a				
	Electricity Sourced from Onsite Renewable Systems	[value]	kWh	kWh	Resource Boundary	Site	n/a				
					Resource	Electricity	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Generation	Renewable	n/a				
					Resource Value	=[value]	kWh				
					Unit of Measure	kWh	n/a				
	Onsite Renewable System Electricity Exported	[value]	kWh	kWh	Resource Boundary	Onsite	n/a				
					Resource	Electricity	n/a				
					Interval Frequency	Annual	n/a				
					Interval Measure	Total	n/a				
					Resource Generation	Renewable	n/a				
					Resource Generation	Exported	n/a				
					Resource Value	=[value]	kWh				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
	Water Use	[value]	kgal	Unit of Measure	kWh	n/a				
				Resource	Potable water	n/a				
				Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource Value	=[value]	kgal				
				Unit of Measure	kgal	n/a				
	Water Intensity	[value]	kgal/ft2	Resource	Potable water	n/a				
				Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource Intensity	=[value]	kgal/ft2				
				Unit of Measure	kgal/ft2	n/a				
				Resource	Potable water	n/a				
	Water Cost	[value]	\$	Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource Cost	=[value]	\$				
				Resource	Wastewater	n/a				
				Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
	Wastewater Volume	[value]	kgal	Resource	Wastewater	n/a				
				Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource Value	=[value]	kgal				
				Unit of Measure	kgal	n/a				
				Resource	Wastewater	n/a				
Asset Score	[value]	n/a	Assessment Program	Commercial Building Energy Asset Score	n/a					
			Assessment Recognition Type	Score	n/a					
			Assessment Value	=[value]	n/a					
			Assessment Program	ENERGY STAR	n/a					
			Assessment Recognition Type	Score	n/a					
			Assessment Value	=[value]	n/a					
ENERGY STAR Score	[value]	n/a	Assessment Program	ENERGY STAR	n/a					
			Assessment Recognition Type	Score	n/a					
			Assessment Value	=[value]	n/a					
			(No corresponding field)							
			(No corresponding field)							
			(No corresponding field)							
Package Summary Data	Reference Case	IDRef	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	MeasureID	IDRef	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Annual Savings Site Energy	[value]	MMBtu/yr	Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource Boundary	Site	n/a				
				Resource Savings	=[value]	MMBtu				
				Unit of Measure	MMBtu	n/a				
				Resource	Site	n/a				
	Annual Savings Source Energy	[value]	MMBtu/yr	Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource Boundary	Source	n/a				
				Resource Savings	=[value]	MMBtu				
				Unit of Measure	MMBtu	n/a				
				Resource	Source	n/a				
	Annual Savings Cost	[value]	\$/yr	Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Cost Savings	=[value]	\$				
				Resource	Site	n/a				
				Interval Measure	Total	n/a				
				Resource	Site	n/a				
	Annual Savings Native Units Energy Resource Resource Units	[value1]	n/a	units/yr	Interval Frequency	Annual	n/a			
		[value2]	n/a	n/a	Interval Measure	Total	n/a			
		[value3]	n/a	n/a	Resource	=[value2]	n/a			
			n/a	n/a	Unit of Measure	=[value3]	n/a			
		n/a	n/a	Resource Savings	=[value1]	units/yr				
		n/a	n/a	Resource	Electricity	n/a				
Summer Peak Electricity Reduction	[value]	kW	Interval Frequency	15 minute	n/a					
			Interval Measure	Demand	n/a					
			Schedule Period	Summer	n/a					
			Resource Savings	=[value1]	kW					
			Power Metric	Power	n/a					
			Unit of Measure	kW	n/a					
Winter Peak Electricity Reduction	[value]	kW	Resource	Electricity	n/a					
			Interval Frequency	15 minute	n/a					
			Interval Measure	Demand	n/a					
			Schedule Period	Winter	n/a					
			Resource Savings	=[value1]	kW					
			Power Metric	Power	n/a					
Annual Demand Savings Cost	[value]	\$/yr	Resource	Electricity	n/a					
			Interval Frequency	Annual	n/a					
			Interval Measure	Demand	n/a					
			Power Metric	Power	n/a					
			Cost Savings	=[value]	\$/yr					
			Resource	Potable water	n/a					
Annual Water Savings	[value]	gal/yr	Interval Frequency	Annual	n/a					
			Interval Measure	Total	n/a					
			Resource	Potable water	n/a					
			Interval Measure	Total	n/a					
			Resource	Potable water	n/a					
			Resource	Potable water	n/a					

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Annual Water Cost Savings	[value]	\$/yr	Unit of Measure	gallons	n/a			
				Resource Savings	=[value]	gal/yr			
				Resource	Potable water	n/a			
	Package First Cost	[value]	\$	Reporting Level	Package	n/a			
				Cost Attribution	First	n/a			
				Cost	=[value]	\$			
	MV Cost	[value]	\$/yr	Unit of Measure	\$	n/a			
				Cost Attribution	MV	n/a			
				Interval Frequency	Annual	n/a			
	Equipment Disposal and Salvage Costs	[value]	\$	Periodically Recurring Costs	=[value]	\$/yr			
				Cost Attribution	Disposal and salvage costs	n/a			
				Cost	=[value]	\$			
	OM Cost Annual Savings	[value]	\$	Unit of Measure	\$	n/a			
				Savings Attribution	Operation and maintenance	n/a			
				Interval Frequency	Annual	n/a			
	Other Cost Annual Savings	[value]	\$	Cost Savings	=[value]	\$			
				Savings Attribution	Other	n/a			
				Interval Frequency	Annual	n/a			
	Funding from Incentives	[value]	\$	Cost Savings	=[value]	\$			
				Funding Source	Incentive	n/a			
				Funding Amount	=[value]	\$			
	Funding from Tax Credits	[value]	\$	Funding Source	Tax credits	n/a			
				Funding Amount	=[value]	\$			
				Implementation Period	[value]	months	(No corresponding field)		
	Implementation Period Cost Savings	[value]	\$	(No corresponding field)					
	Percent Guaranteed Savings	[value]	%	(No corresponding field)					
	Project Markup	[value]	%	Cost Attribution	Markup	n/a			
				Unit of Measure	Percent	n/a			
				Cost	=[value]	%			
	Recurring Incentives	[value]	\$	Funding Source	Incentive	n/a			
Cost Attribution				Recurring	n/a				
Funding Amount				=[value]	\$				
NPV of Tax Implications Analysis Period	[value1] [value2]	\$	yrs	Cost Attribution	Taxes	n/a			
				Cost Effectiveness Screening Method	Net Present Value	n/a			
				Cost Savings	=[value1]	\$			
				Cost Period	=[value2]	yrs			
Other Financial Incentives Analysis Period	[value1] [value2]	\$	yrs	Unit of Measure	Years	n/a			
				Funding Source	Incentive	n/a			
				Cost Effectiveness Screening Method	Net Present Value	n/a			
				Funding Amount	=[value1]	\$			
Simple Payback	[value]	yrs	Cost Period	=[value2]	yrs				
			Unit of Measure	Years	n/a				
			Cost Effectiveness Screening Method	Simple payback	n/a				
Net Present Value	[value]	\$	Cost Effectiveness Screening Method	Simple payback	n/a				
			Cost Effectiveness Value	=[value]	Years				
			Unit of Measure	Years	n/a				
Internal Rate of Return	[value]	%	Cost Effectiveness Screening Method	Net Present Value	n/a				
			Cost Effectiveness Value	=[value]	\$				
			Unit of Measure	\$	n/a				
Cost Effectiveness Screening Method	[value]	n/a	Cost Effectiveness Screening Method	Internal Rate of Return	n/a				
			Cost Effectiveness Value	=[value]	%				
			Unit of Measure	Percent	n/a				
Energy Use	Energy Resource	[value]	n/a	Cost Effectiveness Screening Method	=[value]	n/a			
	Percent Resource	[value]	%	Resource	=[value]	n/a			
	Percent End Use	[value]	%	Percent of Total	=[value]	%			
	Resource Units	[value]	n/a	Percent of Total	=[value]	%			
	Annual Fuel Use Native Units Resource	[value1]	units/yr	Unit of Measure	=[value]	n/a			
	Resource Units	[value2]	n/a	Interval Frequency	Annual	n/a			
	Resource Units	[value3]	n/a	Interval Measure	Total	n/a			
			Resource	=[value2]	n/a				
			Unit of Measure	=[value3]	n/a				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
	Annual Fuel Use Consistent Units	[value]	MMBtu/yr	Resource Value	=[value1]	units/yr				
				Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
	Fuel Use Intensity Resource Units	[value1] [value2] [value3]	units/ft2/yr n/a n/a	Resource Value	=[value]	MMBtu				
				Unit of Measure	MMBtu	n/a				
				Interval Frequency	Annual	n/a				
				Interval Measure	Total	n/a				
				Resource	=[value2]	n/a				
	Type of Rate Structure	FlatRate TimeOfUseRate TieredRate Other Unknown	n/a n/a n/a n/a n/a	Rate Structure	Flat rate	n/a				
					Time of use rate	n/a				
					(No corresponding field)					Tiered rate structure is established under Tier Direction in BuildingSync.
					Other	n/a				
					Unknown	n/a				
	Tier Direction	Increasing Decreasing Other	n/a n/a n/a	Rate Structure	Tiered rate increasing	n/a				
					Tiered rate decreasing	n/a				
					Other	n/a				
	Rate Structure Effective Date	[value]	CCYY-MM-DD	Schedule Period	Rate structure					
				Schedule Period Begin Month	=[value]	n/a			MM from BuildingSync must be converted to an integer	This is intended to be the effective date of the overall rate schedule/structure, not the starting date of a particular rate period within the schedule. As a result, this field does not map perfectly with BEDES, because year is not included.
				Schedule Period Begin Day	=[value]	n/a			DD from BuildingSync must be converted to an integer	
	Rate Structure End Date	[value]	CCYY-MM-DD	Schedule Period	Rate structure					
				Schedule Period End Month	=[value]	n/a			MM from BuildingSync must be converted to an integer	This is intended to be the effective date of the overall rate schedule/structure, not the starting date of a particular rate period within the schedule. As a result, this field does not map perfectly with BEDES, because year is not included.
				Schedule Period End Day	=[value]	n/a			DD from BuildingSync must be converted to an integer	
	Rate Structure Sector	[value]	n/a	Sector Classification	=[value]	n/a				
	Rate Structure Name	[value]	n/a	Rate Structure ID	=[value]	n/a				
	Reference For Rate Structure	[value]	n/a	Rate Structure Reference	=[value]	n/a				
	Fixed Monthly Charge	[value]	\$	Charge Rate	Fixed monthly	n/a				
				Rate Charge Value	=[value]	\$/month				
Unit Of Measure				Month	n/a					
Net Metering	True	n/a	Meter Type	Net	n/a				BuildingSync does not include detailed meter descriptions.	
	False	n/a		(No corresponding field)						
Metering Configuration	[value]	n/a	Metering Configuration	=[value]	n/a					
Type of Resource Meter	[value]	n/a	Meter Type	=[value]	n/a					
Fuel Interruptibility	[value]	n/a	Fuel Interruptibility	=[value]	n/a					
Shared Resource System	Multiple buildings on a single lot	n/a	Shared Resource Configuration	Multiple building on a single lot	n/a				Typo in BEDES is corrected in BuildingSync. "Shared" is left out because it is duplicative.	
	Multiple buildings on multiple lots	n/a		Multiple buildings on multiple lots	n/a					
	Not shared	n/a		Not shared	n/a					
	Other	n/a		Other	n/a					
	Unknown	n/a		Unknown	n/a					
Power Plant	[value]	n/a	Contact Label	Power plant	n/a					
Utility Name	[value]	n/a	Company Name	=[value]	n/a					
			Contact Label	Utility	n/a					
Utility Meter Number	[value]	n/a	Identifier Label	Meter	n/a					
			Identifier	=[value]	n/a					
Utility Account Number	[value]	n/a	Contact Label	Utility	n/a					
			Identifier Label	Account	n/a					
			Identifier	=[value]	n/a					
Utility Billpayer	[value]	n/a	Contact Label	Billing	n/a					
			Company Name	=[value]	n/a					
Source Site Ratio	[value]	n/a	Source Site Ratio	=[value]	n/a					
Electric Distribution Utility	[value]	n/a	Contact Label	Electric distribution utility	n/a					
			Company Name	=[value]	n/a					
Average Marginal Cost Rate	[value]	\$/unit	Charge Rate	Average marginal buy	n/a					
			Rate Charge Value	=[value]	\$/unit					
Average Marginal Sell Rate	[value]	\$/unit	Charge Rate	Average marginal sell	n/a					
			Rate Charge Value	=[value]	\$/unit					
Energy Cost Rate	[value]	\$/unit	Rate Designation	Energy	n/a					
			Charge Rate	Buy	n/a					
			Rate Charge Value	=[value]	\$/unit					
Energy Rate Adjustment	[value]	\$/unit	Charge Rate	Adjustment	n/a					
			Charge Rate	Buy	n/a					
			Rate Charge Value	=[value]	\$/unit					

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Energy Sell Rate	[value]	\$/kWh	Resource	Electricity	n/a			
				Charge Rate	Sell	n/a			
				Rate Charge Value	=[value]	\$/kWh			
				Unit of Measure	\$/kWh	n/a			
	Electric Demand Rate	[value]	\$/kW	Resource	Electricity	n/a			
				Rate Designation	Demand	n/a			
				Charge Rate	Buy	n/a			
				Rate Charge Value	=[value]	\$/kW			
	Demand Ratchet Percentage	[value]	%	Resource	Electricity	n/a			
				Demand Ratchet Percentage	=[value]	%			
	Demand Window	[value]	min	Schedule Period	Demand window	n/a			
				Interval Frequency	1 minute	n/a			
					10 minute	n/a			
					15 minute	n/a			
					30 minute	n/a			
					60 minute	n/a			
	Rate Period Name	[value]	n/a	Schedule Period	Rate structure	n/a			
				Description	=[value]	n/a			
	TOU Number for Rate Structure	[value]	n/a	Schedule Period	TOU rate	n/a			
				Rate Structure Name	=[value]	n/a		Integer converted to text	
	Consumption Energy Tier Designation	[value]	n/a	Tier ID	=[value]	n/a			
	Max kWh Usage	[value]	kWh	Rate Designation	Energy	n/a			
				Tier Maximum	=[value]	kWh			
				Unit of Measure	kWh	n/a			
	Applicable Start Date For Energy Rate	[value]	--MM-DD	Schedule Period	TOU rate	n/a			
				Rate Designation	Energy	n/a			
				Schedule Period Begin Month	=[value]	n/a		MM from BuildingSync must be converted to an integer	
				Schedule Period Begin Day	=[value]	n/a		DD from BuildingSync must be converted to an integer	
Applicable End Date For Energy Rate	[value]	--MM-DD	Schedule Period	TOU rate	n/a				
			Rate Designation	Energy	n/a				
			Schedule Period End Month	=[value]	n/a		MM from BuildingSync must be converted to an integer		
			Schedule Period End Day	=[value]	n/a		DD from BuildingSync must be converted to an integer		
Applicable Start Time For Energy Rate	[value]	hh:mm:ss	Schedule Period	TOU rate	n/a				
			Rate Designation	Energy	n/a				
			Interval Start Time	=[value]	HHMM		Conversion of hour-minute combination is needed		
Applicable End Time For Energy Rate	[value]	hh:mm:ss	Schedule Period	TOU rate	n/a				
			Rate Designation	Energy	n/a				
			Interval End Time	=[value]	HHMM		Conversion of hour-minute combination is needed		
Max kW Usage	[value]	kW	Resource	Electricity	n/a				
			Rate Designation	Demand	n/a				
			Tier Maximum	=[value]	kW				
			Unit of Measure	kW	n/a				
Demand Rate Adjustment	[value]	\$/kW	Resource	Electricity	n/a				
			Rate Designation	Demand	n/a				
			Charge Rate	Adjustment	n/a				
			Rate Charge Value	=[value]	\$/kW				
			Unit of Measure	\$/kW	n/a				
Applicable Start Date For Demand Rate	[value]	--MM-DD	Resource	Electricity	n/a				
			Schedule Period	TOU rate	n/a				
			Rate Designation	Demand	n/a				
			Schedule Period Begin Month	=[value]	n/a		MM from BuildingSync must be converted to an integer		
Applicable End Date For Demand Rate	[value]	--MM-DD	Schedule Period Begin Day	=[value]	n/a		DD from BuildingSync must be converted to an integer		
			Resource	Electricity	n/a				
Applicable End Date For Demand Rate	[value]	--MM-DD	Schedule Period	TOU rate	n/a				
			Rate Designation	Demand	n/a				
			Schedule Period End Month	=[value]	n/a		MM from BuildingSync must be converted to an integer		
			Schedule Period End Day	=[value]	n/a		DD from BuildingSync must be converted to an integer		

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes
	Applicable Start Time For Demand Rate	[value]	hh:mm:ss	Resource	Electricity	n/a			BEDES 1.2 refers to a timestamp data type in military hours, but there is no format called "timestamp" that matches.
				Schedule Period	TOU rate	n/a			
				Rate Designation	Demand	n/a			
				Interval Start Time	=[value]	HHMM		Conversion of hour-minute combination is needed	
	Applicable End Time For Demand Rate	[value]	hh:mm:ss	Resource	Electricity	n/a			BEDES 1.2 refers to a timestamp data type in military hours, but there is no format called "timestamp" that matches.
				Schedule Period	TOU rate	n/a			
				Rate Designation	Demand	n/a			
				Interval End Time	=[value]	HHMM		Conversion of hour-minute combination is needed	
	Reactive Power Charge	[value]	\$/kVAR	Resource	Electricity	n/a			
				Charge Rate	Reactive power charge	n/a			
				Rate Charge Value	=[value]	\$/kVAR			
				Unit of Measure	\$/kVAR	n/a			
	Minimum Power Factor Without Penalty	[value]	%	Resource	Electricity	n/a			
				Minimum Power Factor Without Penalty	=[value]	%			
	Emission Boundary	[value]	n/a	Emission Boundary	=[value]	n/a			
	GHG Emissions	[value]	kgCO2e	Interval Frequency	Annual	n/a			
				Interval Measure	Total	n/a			
				Emission Gas Type	CO2e	n/a			
				Emissions Value	=[value]	kgCO2e			
	Avoided Emissions	[value]	kgCO2e	Interval Frequency	Annual	n/a			
Interval Measure				Total	n/a				
Emission Source				Avoided	n/a				
Emission Gas Type				CO2e	n/a				
Emissions Type	[value]	n/a	Emission Gas Type	=[value]	n/a				
Emissions Factor	[value]	kg/MMBtu	Emissions Factor	=[value]	kg/MMBtu				
			Unit of Measure	kg/MMBtu	n/a				
Emissions Factor Source	[value]	n/a	Origin	=[value]	n/a				
Time Series	Start Time Stamp	[value]	CCYY-MM-DDThh:mm:ss.sss	Interval Start Time	=[value]	CCYY-MM-DDThh:mm:ss.SS			
				Date Format	DateTime	n/a			
	End Time Stamp	[value]	CCYY-MM-DDThh:mm:ss.sss	Interval End Time	=[value]	CCYY-MM-DDThh:mm:ss.SS			
				Date Format	DateTime	n/a			
Time Series Reading Quantity	[value]	n/a	Power Metric	Other	n/a				
			Current	Power Metric	Current	n/a			
			Current Angle	Power Metric	Current angle	n/a			
			Demand	Power Metric	Other	n/a			
			Frequency	Power Metric	Frequency	n/a			
			Power	Power Metric	Power	n/a			
			Power Factor	Power Metric	Power factor	n/a			
			Energy	Power Metric	Other	n/a			
			Voltage	Power Metric	Voltage	n/a			
			Voltage Angle	Power Metric	Voltage angle	n/a			
			Distortion Power Factor	Power Metric	Distortion power factor	n/a			
			Volumetric Flow	Power Metric	Volumetric Flow	n/a			
			Humidity ratio	Weather Metric	Humidity ratio	n/a			
			Relative humidity	Weather Metric	Relative humidity	n/a			
			Diffuse Horizontal Radiation	Weather Metric	Diffuse horizontal radiation	n/a			
			Direct Normal Radiation	Weather Metric	Direct normal radiation	n/a			
			Global Horizontal Radiation	Weather Metric	Global horizontal radiation	n/a			
			Dry Bulb Temperature	Weather Metric	Dry Bulb Temperature	n/a			
			Wet Bulb Temperature	Weather Metric	Wet Bulb Temperature	n/a			
			Wind Speed	Weather Metric	Wind speed	n/a			
Other	Power Metric	Other	n/a						
Interval Reading	[value]	n/a	Power Metric Value	=[value]	n/a			The reading could be either a Power Metric or Weather Metric, depending on Time Series Reading Quantity.	
			Weather Metric Value	=[value]	n/a				
Reading Type	[value]	n/a	Interval Measure	=[value]	n/a				
Phase	[value]	n/a	Phase	=[value]	n/a				
Energy Flow Direction	[value]	n/a	Current Flow Direction	=[value]	n/a				
Interval Frequency	[value]	n/a	Interval Frequency	=[value]	n/a				
Heating Degree Days	[value]	*F-days	Weather Metric	Heating Degree Days	n/a				
Cooling Degree Days	[value]	*F-days	Weather Metric Value	=[value]	*F-days				
			Weather Metric	Cooling Degree Days	n/a				
			Weather Metric Value	=[value]	*F-days				

BuildingSync Table Name	BuildingSync Term	BuildingSync Value	BuildingSync Units	BEDES Term	Value Mapping	BEDES Unit	Unit Conversion	Other Conversion Operations	Notes	
	HDD Base Temperature	[value]	*F	(No corresponding field)					In BEDES, HDD is always relative to 50F.	
	CDD Base Temperature	[value]	*F	(No corresponding field)					In BEDES, CDD is always relative to 65F.	
	Resource Use ID	IDRef	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
Audit Summary	Audit Date	[value]	CCYY-MM-DD	Action Category	Audit	n/a				
				Implementation Status Date	=[value]	CCYY-MM-DD				
				Date Format	Date	n/a				
	ASHRAE Audit Level	Preliminary Energy-Use Analysis	n/a	ASHRAE Audit Level	Other		n/a			
					Level 1		n/a			
					Level 2		n/a			
					Level 3		n/a			
	Auditor Contact ID	IDRef	n/a	(No corresponding field)					Hierarchical element not used in BEDES	
	Audit Cost	[value]	\$		Action Category	Audit	n/a			
					Cost	=[value]	n/a			There is no Cost Attribution for audits
					Unit of Measure	\$	n/a			
	Analysis Period	[value]	yrs		Cost Period	=[value]	Years			
					Unit of Measure	Years	n/a			
	Discount Factor	[value]	%		Discount Factor	=[value]	%			
	Gas Price Escalation Rate	[value]	%		Resource	Natural Gas	n/a			
					Escalation Rate	=[value]	%			
	Electricity Price Escalation Rate	[value]	%		Resource	Electricity	n/a			
					Escalation Rate	=[value]	%			
	Water Price Escalation Rate	[value]	%		Resource	Water	n/a			
					Escalation Rate	=[value]	%			
	Escalation Rate	[value]	%		Escalation Rate	=[value]	%			
	Inflation Rate	[value]	%		(No corresponding field)					
	Auditor Qualification	[value]	n/a		Contact Label	Energy Auditor	n/a			
Credential					=[value]	n/a				
Auditor Qualification Number	[value]	n/a		Contact Label	Energy Auditor	n/a				
				Credential Number	=[value]	n/a				
Auditor Qualification State	[value]	n/a		Contact Label	Energy Auditor	n/a				
				Credential State	=[value]	n/a				
Certification Expiration Date	[value]	CCYY-MM-DD	(No corresponding field)							
Certified Audit Team Member Contact ID	IDRef	n/a	(No corresponding field)						Hierarchical element not used in BEDES	
Audit Exemption	[value]	n/a		Audit Exemption	=[value]	n/a				