Building Energy Data Exchange Specification (BEDES) Compliant Mapping

Date   9/1/2016
Implementation   View Glass
Implementation Version
BEDES Version   V2.0

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

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
BASICS							
Opportunity							
Opportunity ID				Opportunity Identifier	Identifier Label = "Custom"		
					Custom Identifier Label = "Opportunity"		
		SFDC			Identifier = [value]		
Quantity (Glass SF)				Fenestration Area	Opaque Surface Component = "Fenestration"		
		SFDC			Area = [value]	ft2	
ASP		SFDC	Produce Price /SF				
Total Amount				Total Cost	Cost Attribution = "Total"		
		SFDC			Cost = [value]	$	
Sales region		SFDC	Support Region				
Address		SFDC		Address Line 1	Address Line 1 = [value]		
City, State				City, State	City = [value]		
		SFDC			State = [value]		
Zip Code		SFDC		ZIP Code	ZIP Code = [value]		
Market Segment		SFDC					
Market Sub-Segment		SFDC					
Opportunity Owner				Opportunity Owner Contact Name	Identifier Label = "Custom"		
					Custom Identifier Label = "Opportunity"		
					Contact Label = "Owner"		
		SFDC			Contact Name = [value]		
Building Profile							
Number of Buildings				Building Quantity	Spatial Unit Type = "Building"		
		SFDC			Quantity = [value]		
Year Built				Completed Construction Status Date	Construction Status = "Completed"		
					Construction Status Date = [value]		
		External Website			Date Format = "Year"		
Residential Building Type				Occupancy Classification	Occupancy Classification = [value]		
Residential Project Type							
Commercial Building Type				Building Occupancy Classification	Premises Level = "Building"		
		SFDC or Website			Occupancy Classification = [value]		
Project Type				Project Occupancy Classification	Action Category = "Project"		
		SFDC or Website			Occupancy Classification = [value]		
Gross Floor Area				Gross Floor Area	Floor Area Qualifier = "Gross"		
					Opaque Surface = "Floor"		
		External websites			Area = [value]	ft2	
Footprint				Footprint Area	Floor Area Qualifier = "Footprint"		
		External websites			Area = [value]	ft2	
Number of Floors				Floor Quantity	Spatial Unit Type = "Floor"		
		CVPs or webs	Building Floors		Quantity = [value]		
Window to Wall Ratio		CVPs		Window To Wall Ratio	Window To Wall Ratio		
Install Start Date				Installed Start Date	Date Status = "Installed"		
			Milestone: Installation		Date Status = "Start"		
		SFDC			Date = [value]		
Installation Completion Date			Milestone: Installation	Installed Date	Date Status = "Installed"		
		SFDC			Date = [value]		
Occupancy Date				Occupied Date	Occupied Status = "Occupied"		
		SFDC			Date = [value]		
Project Stakeholders							
Sustainability Commitments (Owner)		External websites					
Notes							
Sustainability Commitments (Tenant)							
Notes							

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
Sustainability Commitments (Developer)							
Notes							
Project Profile & Data							
Custom Value Prop?		SFDC / CVP folder					No BEDES Qualifier for "CVP"
Space Type		SFDC		Spatial Unit Type	Spatial Unit Type = [value]		
Construction Type	Window Rep	SFDC		Action Category	Action Category = [value]		
SFG (CVP)				Glazing Area	Fenestration = "Glazing"		
		CVP			Area = [value]	ft2	
SFG (Actual)				Actual Glazing Area	Quality = "Actual"		
					Fenestration = "Glazing"		
		Order acknov	Quantity		Area = [value]	ft2	
% Difference of SFG							
Is CVP SFG <25% delta?							
Number IGUs (Actual)			Total Number of				
		SFDC or Orde	IGU				
Conditioned Floor Area (CVP)			Modeled Building	Conditioned Area	Conditioning Status = "Conditioned"		
		CVP	Floor Area		Area = [value]	ft2	
Conditioned Floor Area (Actual)				Actual Conditioned Area	Quality = "Actual"		
					Conditioning Status = "Conditioned"		
					Area = [value]	ft2	
Floor Area Impacted by View		Deepika					
Price per SFG (CVP)				Glazing Area Cost Intensity	Fenestration = "Glazing"		
					Spatial Unit Type = "Area"		
		CVP			Cost Intensity = [value]	$/ft2	
Price per SFG (Actual)				Actual Glazing Area Cost Intensity	Quality = "Actual"		
					Fenestration = "Glazing"		
					Spatial Unit Type = "Area"		
			Product Price /SF		Cost Intensity = [value]	$/ft2	
Current Glass Type (Retrofit)				Current Fenestration Glazing Type	Temporal Status = "Current"		
		SFDC			Fenestration Glazing Type = [value]		
Baseline Glass Type				Baseline Fenestration Glazing Type	Temporal Status = "Baseline"		
		In SFDC or the CVP			Fenestration Glazing Type = [value]		
Baseline Glass Cost				Baseline Glazing Cost	Temporal Status = "Baseline"		
					Fenestration = "Glazing"		
		CVP			Cost = [value]	$	
HVAC System Type		CVP		Cooling Type	Cooling Type = [value]		
HVAC Size (Baseline)				Baseline Cooling Capacity	Temporal Status = "Baseline"		
			Baseline Cooling		HVAC Category = "Cooling"		
		CVP	Tons		Capacity = [value]	Cooling ton	
HVAC Size (Dynamic)				Cooling Capacity	HVAC Category = "Cooling"		
		CVP			Capacity = [value]	Cooling ton	What does Dynamic mean?
HVAC Size (Actual)				Actual Cooling Capacity	Quality = "Actual"		
					HVAC Category = "Cooling"		
					Capacity = [value]	Cooling ton	
HVAC Cost (Baseline)				Baseline Cooling Cost	Temporal Status = "Baseline"		
					HVAC Category = "Cooling"		
					Cost = [value]	$	
HVAC Cost (Dynamic)				Cooling Cost	HVAC Category = "Cooling"		
					Cost = [value]	$	
HVAC Cost (Actual)				Actual Cooling Cost	Quality = "Actual"		
					HVAC Category = "Cooling"		
					Cost = [value]	$	

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
Baseline Internal Shading Type				Baseline Interior Shading System	Temporal Status = "Baseline"		
					Location = "Interior"		
		CVPs			Shading System = value]		
Internal Shading Cost (Baseline)				Baseline Interior Shade Cost	Temporal Status = "Baseline"		
					Location = "Interior"		
					Shading System = "Shade"		
		CVPs			Cost = [value]	$	
Baseline External Shading Type				Baseline Exterior Shading System	Temporal Status = "Baseline"		
					Location = "Exterior"		
					Shading System = value]		
External Shading Cost (Baseline)				Baseline Exterior Shade Cost	Temporal Status = "Baseline"		
					Location = "Exterior"		
					Shading System = "Shade"		
					Cost = [value]	$	
Was Internal Shading Used?							
View Glass Cost				View Glass Cost	Fenestration Glazing Type = "Custom"		
					Custom Fenestration Glazing Type = "View glass"		
					Cost = [value]	$	
BOS Cost				Balance of Systems Cost	Control Technology = "Custom"		
					Custom Control Technology = "Balance of systems"		
					Cost = "Value"	$	
Glass Installation Cost (Baseline)				Installation Labor Cost	Cost Attribution = "Installation"		
					Cost Attribution = "Labor"		
		CVPs			Cost = [value]	$	
Glass Installation Cost (Dynamic)				Installation Labor Cost	Cost Attribution = "Installation"		
					Cost Attribution = "Labor"		
					Cost = [value]	$	
Electrical Labor Cost (CVP)				Electric Power Installation Labor Cost	Resource = "Electric power"		
					Cost Attribution = "Installation"		
					Cost Attribution = "Labor"		
					Cost = [value]	$	
Electrical Labor Cost (Actual)				Electric Power Installation Labor Cost	Resource = "Electric power"		
					Cost Attribution = "Installation"		
					Cost Attribution = "Labor"		
					Cost = [value]	$	
Other Cost (Type)				Other Cost	Cost Attribution = "Other"		
					Cost = [value]	$	
Other Cost				Other Cost Attribution	Cost Attribution = "Other"		
					Cost Attribution = [value]		
Operating Costs							
Annual Energy Consumption (Baseline)				Baseline Annual [Resource] Resource Value	Temporal Status = "Baseline"		
					Interval Frequency = "Annual"		
					Resource = [value]		
	kWh / Year		Baseline kWh		Resource Value = [value]	Dependant on qualifiers	
					Unit of Measure = [value]		
Annual Energy Consumption (Projected)				Projected Annual [Resource] Resource Value	Quality = "Projected"		
					Interval Frequency = "Annual"		
					Resource = [value]		
			kWh Reduction		Resource Value = [value]	Dependant on qualifiers	
					Unit of Measure = [value]		

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
Annual Energy Consumption (Actual)				Actual Annual [Resource] Resource Value	Quality = "Actual"		
					Interval Frequency = "Annual"		
					Resource = [value]		
					Resource Value = [value]	Dependant on qualifiers	
					Unit of Measure = [value]		
Annual Energy Cost (Baseline)				Baseline Annual [Resource] Cost	Temporal Status = "Baseline"		
					Interval Frequency = "Annual"		
			Baseline Energy Cost		Resource = [value]		
					Cost = [value]	$	
Annual Energy Cost (Projected)				Projected Annual [Resource] Cost	Temporal Status = "Projected"		
					Interval Frequency = "Annual"		
			Energy Cost Savings		Resource = [value]		
					Cost = [value]	$	
Annual Energy Cost (Actual)				Actual Annual [Resource] Cost	Temporal Status = "Actual"		
					Interval Frequency = "Annual"		
					Resource = [value]		
					Cost = [value]	$	
Peak Demand (Baseline)				Baseline Electricity Demand Resource Value	Temporal Status = "Baseline"		
					Resource = "Electricity"		
					Rate Designation = "Demand"		
	kW				Resource Value = [value]	kW	
Peak Demand (Projected)				Projected Electricity Demand Resource Value	Temporal Status = "Projected"		
					Resource = "Electricity"		
			Peak Demand Reduction		Rate Designation = "Demand"		
					Resource Value = [value]	kW	
Peak Demand (Actual)				Actual Electricity Demand Resource Value	Temporal Status = "Actual"		
					Resource = "Electricity"		
					Rate Designation = "Demand"		
					Resource Value = [value]	kW	
Peak Demand Charge (Baseline)				Baseline Electricity Demand Rate Charge Value	Temporal Status = "Baseline"		
					Resource = "Electricity"		
					Rate Designation = "Demand"		
					Rate Charge Value = [value]	$/kW	
Peak Demand Charge Reduction				Electricity Demand Cost Savings	Resource = "Electricity"		
					Rate Designation = "Demand"		
					Cost Savings = [value]		
					Unit of Measure = "$/kW"	$/kW	
HVAC Maintenance Cost (Baseline)				All HVAC Maintenance Cost	HVAC Systems Controlled = "All hvac"		
					Cost Attribution = "Maintenance"		
					Cost = [value]	$	
HVAC Maintenance Cost (Dynamic)				All HVAC Maintenance Cost	HVAC Systems Controlled = "All hvac"		
					Cost Attribution = "Maintenance"		
					Cost = [value]	$	
Shading Maintenance Cost (Baseline)				Baseline Shading Maintenance Cost	Temporal Status = "Baseline"		
					Fenestration = "Shading"		
					Cost Attribution = "Maintenance"		
					Cost = [value]	$	
View BOS Maintenance Cost				Balance of Systems Maintenance Cost	Control Technology = "Custom"		
					Custom Control Technology = "Balance of systems"		
					Cost Attribution = "Maintenance"		
					Cost = "Value"	$	

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
Cross-cutting Value Metrics							
Direct Impacts							
Glare Hours (Modeled)							
Glare Hours (Actual)							
Desired Certifications							See Assessment Program, Assessment Recognition, Assessment Level, and related Assessment terms
Was Certification Pursued?		SFDC or Websites					
LEED		SFDC or Websites		Assessment Recognition	Assessment Recognition = [value]		
LEED Level (Planned)		SFDC or Websites		Assessment Level	Assessment Level = [value]		
LEED Level (Achieved)		SFDC or Websites					
LEED Points: Innovation in Design				Assessment Value	Assessment Value = [value]		
LEED Points: Indoor Environment Quality							
LEED Points: Materials & Resources							
LEED Points: Energy & Atmosphere							
LEED Points: Integrative Process							
View Cost per LEED Point							
ENERGY STAR							
WELL Building Standard							
Net-Zero							
Alternative Strategies considered							
Award(s)							
Awarder							
Typology-specific info & value metrics							
Corporate Office							
Usable Floor Area				Usable Floor Area	Floor Area Qualifier = "Usable"		
					Opaque Surface = "Floor"		
					Area = [value]	ft2	
Desk Rearrangement b/c of View?							
# of Additional Desks							
Transient Occupants in Common Spaces				Common Area Average Residents Quantity	Occupancy Classification = "Common area"		
					Occupant Quantity Type = "Average residents"		
					Quantity = [value]		
Occupant Comfort Survey Results							
Total # Employees				Peak Total Occupants Quantity	Occupant Quantity Type = "Peak total occupants"		
					Quantity = [value]		
Employee Density				People Quantity Intensity	Load Category = "People"		
					Quantity Intensity = [value]	People/ft2	
Corporate tenant							
all fields above, plus:							
Lease type				Leased Floor Area Qualifier	Ownership Status = "Leased"		
					Floor Area Qualifier = [value]		
Lease length				Leased Interval Duration	Ownership Status = "Leased"		
					Interval Duration = [value]		
Rent				Rentable Cost Intensity	Floor Area Qualifier = "Rentable"		
					Cost Intensity = [value]	$/ft2	
Who pays for shades?							
TI Allowance							

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
Spec Office							
Investment timeframe							
Rentable Floor Area				Rentable Floor Area	Floor Area Qualifier = "Rentable"		
					Opaque Surface = "Floor"		
					Area = [value]	ft2	
Usable floor area (Baseline)				Usable Floor Area	Floor Area Qualifier = "Usable"		
					Opaque Surface = "Floor"		
					Area = [value]	ft2	
Usable floor area (Dynamic)				Usable Floor Area	Floor Area Qualifier = "Usable"		
					Opaque Surface = "Floor"		
					Area = [value]	ft2	
Rent				Rentable Cost Intensity	Floor Area Qualifier = "Rentable"		
					Cost Intensity = [value]	$/ft2	
Lease up time (Baseline)							
Lease up time (Post-Install)							
Percent Vacancy				Vacant Percentage Of Total Floor Area Served	Occupied Status = "Vacant"		
					Percentage Of Total Floor Area Served = [value]		
Rent premium for spaces with views?							
Who pays for shades?							
TI Allowance							
Condo							
Sellable Floor Area				Selltable Floor Area	Floor Area Qualifier = "Sellable"		
					Opaque Surface = "Floor"		
					Area = [value]	ft2	
Blended Ave. Sale Price				Sellable Cost Intensity	Floor Area Qualifier = "Sellable"		
					Cost Intensity = [value]	$/ft2	
Sale Period (Baseline)							
Sale Period (Post-Install)							
Other							
Utility incentives							
Applied for incentive?							
Utility territory				Utility Company Name	Contact Label = "Utility"		
					Company Name = [value]		
Incentive Amount				Incentive Funding Amount	Funding Source = "Incentive"		
					Funding Amount = [value]	$	
Created to Close Time		SFDC					
Why Customer Chose View: Reason 1		Project list tab					
Why Customer Chose View: Reason 2		Project list tab					
Why Customer Chose View: Reason 3		Project list tab					
Presence of View		Websites					
Tech-Related Occupants		SFDC or Websites					
Post-Install Data & Analysis							
Candidate for post-install data collection?							
Point of Contact (Occupant)							
Point of Contact (View)							
Date of Last Contact							
List of Refferals							
Issues/Complaints							
Issues/Complaints Resolved?							
Issues/Complaints: Notes							

Data Collection				BEDES Mapping			
DATAPOINTS TO GATHER	List Values	Source	SFDC Field Name	BEDES Term	BEDES Mapping	BEDES Units	BEDES Notes
Employee/Faculty Sick Days (Baseline)							
Employee/Faculty Sick Days (Post-Install)							