Preliminary Sustainability Metadata Item List for the University of Washington

Released April 23, 2009 by Peter Ellis (pcellis@u.washington.edu)

University of Washington Information School

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Items are grouped where possible by differentiated shading. In cases where sub-groupings exist, colorings and borders were used to describe these groupings as much as possible.

Outstanding questions about specific schema elements are noted in ***bolded italics*** .

As you read, please consider:

 Is there anything missing from the schema that must be tracked?

 Is there anything in the current list where it is unclear why it is there?

 Is the level of granularity sufficient to capture current data?

 Does the schema provide information that you would require access to?

 Are there other people that need to review this list (please forward and CC: pcellis@u.washington.edu)?

Comments, questions, and constructive criticism welcome. Please indicate page numbers and be as specific as possible when responding with comments.

Element	Sub-Element or Attribute	Descriptor	Controlled Vocabulary Value	Note
A metadata list establishes the scope of a given vocabulary and lists the terms that will be used to describe the available data. Pay attention to the *terms* used in this list and less to the structure of the terms. The key information is contained within the first four columns, with the note column clarifying the purpose of a particular element. Anytime an entry appears within the "Controlled Vocabulary Value" column, a descriptive element is restricted to the values listed in that column. Element, Sub-Element or Attribute, and Descriptor columns are less important than ensuring that everything that needs to be represented is present. However, if the hierarchical representation of these items does not make sense, that is also important to take note of.				
Time				
Start date				
End date				
Year				YYYY format.
Record ID				
Group Tracked				Used for tracking data specific to individual groups.
			College	
			Administrative Group	
			Department	
Event				describes an event that occurred that may not have data associated with it, but marks a major milestone in sustainability efforts
Object				
	Electricity			
		Utility source		*Are these more globally applicable?*
			Traditional	
			Green	
			Wind	
			Hydro	
			Coal	

Element	Sub-Element or Attribute	Descriptor	Controlled Vocabulary Value	Note
			Steam	
	Water			
	Sewage			
	Greenhouse gas offset			
	Gas			
		Emissions type* Type		See definition under "globals".
			Hydroflourocarbons (HFC) Perflourocarbons (PFC) Chloroflourocarbons (CFC) Gasoline Diesel Natural Propane Methane	
				Montlake landfill greenhouse gas emissions
			Greenhouse Sulfur hexaflouride	used as gaseous insulator in electrical switching equipment
	Other Chemical			This is used to describe chemicals that are not otherwise captured by the schema (allows for expandability).
		Emissions type* Short name Chemical formula Global warming potential (GWP) Value		See definition under "globals".

Element	Sub-Element or Attribute	Descriptor	Controlled Vocabulary Value	Note
	Garbage			
	Waste			
		Type		
			Hazardous	
			Landscape	
			Food	
	Paper			
		Type		
			office/white	
			UWMC	
			mixed	
			newspaper	
			other	
	Food			
	Lighting			
		Type		
			Flourescent tube	
			CFL	
			Iridescent	
	Refrigerants			
	Aluminum			
	Computer Equipment			
		Type		
			Monitor	
			CPU	
			Accessories	
	Cardboard			
		Type		
			UWMC	
			baled	

Element	Sub-Element or Attribute	Descriptor	Controlled Vocabulary Value	Note
	loose			
	Fuel oil			
	Concrete			
	Glass			
	Wood			
	Pallets			
	Books			
	Tin			
	Plastic			
	Batteries			
	Directories			
		Type		
			White	
			Yellow	
	Packing peanuts			
	Ferrous material			
	Enrollment total			tracking total enrollments for a particular year
	Employee total			tracking total number of employees for a particular year
	Cost avoidance			describing costs avoided during a specific time period
Quarter code				
			AUT	
			WIN	
			SPR	
			SUM	
Campus				
			Seattle	
			Bothell	
			Tacoma	
			Harborview	

Element	Sub-Element or Attribute	Descriptor	Controlled Vocabulary Value	Note
Other Address				denotes facilities owned by the UW, but that are not necessarily considered part of any of the three campuses
	Address			
	City			
	State			Only used if applicable (optional).
	Zip Code			Only used if applicable (optional).
	Country			
Transportation type				
			Transit	
			Single occupancy vehicle	
			Car/Vanpool	
Reduction source				
Globals (references noted by * above; can be applied to any element at any level unless otherwise noted)				
Notes and Comments				
Material type				
			recycled	
			virgin	
Measurement Unit				
			KwH	
			gallons	
			lbs	
			percentage	
			hours	
			kilowatts	
			megawatts	

Element	Sub-Element or Attribute	Descriptor	Controlled Vocabulary Value	Note
			dollars	
			metric tons	Use "megagram" instead.
			megagram	
			terajoule	
			liter	
			megaliter	
			miles	
			square footage	to describe physical area of a particular item
Source of change				provides space for describing why certain data is significantly different from other measurements (*is this different from a note on the object?*)
Emissions source				Only used as an attribute of two elements.
			Direct	emissions originating from within the UW
			Energy Import	emissions as a result of electricity purchases
			Other	
Benchmark item				describes whether the metadata item contains data used as a benchmark for assessments
			TRUE	
			FALSE	