

Bell Museum Sustainable Goals High Level Summary

5/19/2005

	Performance Targets/Outcomes	Preferred
	Performance Management Overview	
	P.2 Planning for Conservation	Optimize Facility Use - Reduce New Construction 5%
	P.6 Lowest Life Cycle Cost	LCA of Selected Strategies/Groups - SD & DD Phases
	Site & Water	
	S.5 Stormwater Management	Zero Runoff
	S.10 Reduce Heat Island Effect*	75% Reduction in Non-perveous 100% Greenroof/High reflectance
	S.12 Building Water Efficiency	Building Potable Water use 50% below Code
	S.13 Use Graywater to Reduce Wastewater Treatment Impacts*	Install discreet Graywater System(s)
	S.14 Use Biological Wastewater Treatment System*	Demonstration System - 25% onsite treatment
	Energy & Atmosphere Overview	
	E.1 Reduce Energy Use by at least 30%*	Net Zero Energy Consumption
	E.3 Evaluate Renewable and Distributed Energy Generation	As required to achieve net Zero Energy
	Indoor Environmental Quality Overview	
	I.2 Indoor Air Quality and Ventilation Baseline	Meet ASHRAE 62 - Source Control - HP Filtration
	I.8 Daylight*	.01 Daylight Factor in 75% of Occupied Space and Automated systems for regulating Light
	I.10 View Space and Window Access*	Exceed Recommended Levels
	Materials & Waste Overview	
	M.1 Evaluation of Design for Resource Use	Enhanced level of LCA Indicators
	M.2 Evaluation of Material Properties for Improved Performance	Selected LEED Material Credits
	M.3 Waste Reduction and Management	Reduce Waste by 50% or More
Other Key Sustainable Goals		
O.1	Integration of Biological and Technological Systems	Building Skin responsive to environmental stimulus
O.2	Site Plant Materials	100% Native Plants
O.3	Wildlife Habitat Goals - Breeding Birds	<u>Increase</u> Breeding Bird Species
O.4	Facility that Teaches and Learns and is self sustaining	Teaches and Learns
O.5	Integration of Building and Site - Indoors and Outdoors	Spaces that Indoor and outdoor based on weather
O.6	Correlation to LEED system	LEED Certification (seek Gold min.)
O.7	Ease of Operation & Maintenance	Optimal Operating Expense
O.8	Systems/energy and resource flows	Seek Closed Loop Systems/energy and resource flows