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The sample project is a dance class center in Greenpoint Brooklyn to serve NYC schools, to be built on a site formerly occupied by small brownstones and a storefront. See DollarShadow.htm for references, discussion of the method and using photo voltaic panel equivalence (pv Footprint) to represent a project's energy use.

Spreadsheet: [www.synapse9.com/design/HDS-TBalanceInventoryComp.xls](http://www.synapse9.com/design/HDS-TBalanceInventoryComp.xls)  
Reference: [www.synapse9.com/design/dollarshadow.htm](http://www.synapse9.com/design/dollarshadow.htm)

part of New Use captured = **100%**      **100%**      **6.1%**      **0.1%**      **1%**

**ESTIMATED TOTALS**

ESTIMATES FOR TOTAL EMBODIED IN BUILDING & USE

PRIOR USE	[1970 Brownstones]	EST. ENERGY		EST. CO2		PV FOOTPRINT		Energy Star Est. Source btu		BUILD CARBON NEUTRAL		UK Footprinter		E-Quest-6 (update of DOE2)		ATHENA	
		Cost/yr (1995\$)	Annual mbtu's	Cost/yr (1995\$)	Annual MTons	PV area MultSites	PV ht /SiteWidth	Cost	Annual MTons	Cost	Acres	Cost	Annual MTons	Cost	Acres	Cost	Acres
15yr AMORT.DEVL.		\$ .16 m	1,879m	\$ .16 m	156.6	1.4xSite											
OPERATIONS		\$ .47 m	5,638m	\$ .47 m	469.8	4.3xSite											
total		\$ .63 m	7,517m	\$ .63 m	626.4	5.7xSite	626ft										
2030 50% TARGET [one target choice could be to aim or compensate for meeting for the world's 2050 target for a project of this size]																	
AMORT.DEVL.																	
OPERATIONS																	
total			2,200														
<b>2.0%</b>																	
NEW USE [2010 Dance Studios]																	
15yr AMORT.DEVL.		\$ 5.1 m	32,853m	\$ 5.1 m	2,926.0	37xSite					116						
OPERATIONS		\$ 12. m	76,800m	\$ 12. m	6,840.0	87xSite											
total		\$ 17.1 m	109,653m	\$ 17.1 m	9,766.0	125xSite	2.60mi	6,644			92.3						

**ADJUSTMENTS**

Then the contributions of high or low impact parts of the development or operating costs, and for compensations having effects beyond the project, are listed.

MEASURED PARTS	EST. ENERGY		EST. CO2		FOOTPRINT A		FOOTPRINT B		FOOTPRINT B		FOOTPRINT B		FOOTPRINT B		FOOTPRINT B		
	Cost	btu's	Cost	btu's	Cost	btu's	Cost	btu's	Cost	btu's	Cost	btu's	Cost	btu's	Cost	btu's	
AMORT.DEVL.																	
OPERATIONS																	
total																	
COMPENSATIONS																	
AMORT.DEVL.																	
OPERATIONS																	
total																	

**ADJ. TOTALS**

Then the first estimates are adjusted by factoring in the non-average parts

NEW USE	EST. ENERGY	EST. CO2	FOOTPRINT A	FOOTPRINT B	FOOTPRINT B	FOOTPRINT B	FOOTPRINT B	FOOTPRINT B
AMORT.DEVL.								
OPERATIONS								
total								

**PERFORMANCE**

Then the adjusted totals are compared to the target

NEW USE	EST. ENERGY	EST. CO2	FOOTPRINT A	FOOTPRINT B	FOOTPRINT B	FOOTPRINT B	FOOTPRINT B	FOOTPRINT B
LIFECYCLE DEVL								
OPERATIONS								
total								