

Table 2
List of Approved Buildings for Phase 2 TEAs

Building	Status of TEA
Children's Court Center on the County Grounds	complete
Fleet Management	complete
Parks Administration	complete
Sports Complex	complete
Boys/Girls Club in Sherman Park	complete
City Campus Office Building	complete
Villa Terrace Museum	complete
Charles Allis Museum	complete
Marcus Center for the Performing Arts	complete
Milwaukee Public Museum	complete
Wil-O-Way Recreation Center – Grant Park	complete
Wil-O-Way Recreation Center – Underwood Pkwy	complete
McGovern Senior Center	complete
Rose Senior Center	complete
Kelly Senior Center	complete
Washington Senior Center	complete
Wilson Senior Center	complete
Transit Fleet Maintenance	complete
Transit Administration	complete
CCFS - Admin+600 Bed+400 Bed Dorms	complete
CCFS – Dormitory Building Boiler House	complete
CCFS – Training Academy	complete
CCFS – Surges Multipurpose Bldg	complete
CCFS – Lotter Dormitory Bldg	complete
CCFS – Warehouse	complete
CCFS – Industries Bldg	complete
CCFS – Garage/Print Shop	complete
CCFS – Miscellaneous small bldgs	complete

**Table 3
Phase 2 GESPC Energy Savings Summary**

Building/Facility	Electricity (kWh) [1]	Natural Gas (therms) [1]	Chilled Water (ton-hr) [1]	Steam (MLbs) [1]	Water (1,000 gal) [1]
Children's Court	892,461		103,384	1,315	713
Fleet Garage and Sheriff's Bldg	791,427			931	117
Parks Admin Bldg	2,100	0		0	
Court House	2,562,218	24,464		5,783	2,625
Crim Justice Facility	174,280	4,290		1,651	9,543
King Park	6,319				
Kozi Community Center	2,192				
Wilson Park	81,343				
Noyes Pool	2,514				
Pulaski Pool	2,514				
Sports Complex	270,360	-2,171			
Boys/Girls Club	99,186				
Transit Fleet Maintenance	174,728	-1,403			
Transit Admin Building	173,011				
Community Correction Fac - South	1,242,109	159,117			2,939
TOTAL	6,476,762	184,297	103,384	9,680	15,937

\$ equivalent cost avoidance
at 7 cents/kWh; \$1.00/therm; \$0.36/1000 gal : Simple ROI 12%
at 9 cents/kWh; \$01.10/therm; \$0.45/1000 gal : \$453,373 \$184,297 \$43,421 \$96,800 \$5,737
and \$10.00/1,000 pounds of steam + 0.42/ton-hr CW \$582,909 \$202,727 \$43,421 \$96,800 \$7,172 14%

1. These are the guaranteed amounts of energy savings, and actual amounts of savings may be greater.
2. Simple ROI = Annual cost avoidance/Total cost
3. The \$ equivalent are for comparative purposes only and do not reflect the actual ROIs for individual projects

Table 4

**ESTIMATED ANNUAL ENVIRONMENTAL BENEFITS of ENERGY SAVINGS
(Phase I and II only, at completion)**

Waste Recycled	500 tons
Water Saved	171,000,000 gallons
Electricity saved	12,000,000 kilowatts
Natural gas saved	370,000 therms
Steam saved (+chilled water equivalents)	10,900,000 pounds
Gasoline saved	2,500 gallons
Air emissions (CO2) avoided	12,100 tons

Benefits in terms of equivalents

Reduced air emissions in terms of 'autos off the road'	2,100 autos
Reduced energy consumption in terms of 'residential homes'	880 homes
Reduced waste consumption in terms of 'residential homes'	250 homes
Reduced water consumption in terms of 'residential homes'	1,300 homes

Table 5**Milwaukee County's 'Green' Infrastructure**

<i>Description</i>	<i>Location</i>
Stormwater Management	
Rainwater recovery/reuse	Boerner Botanical Gardens
Rainwater recovery/reuse	Zoo
Rainwater recovery/reuse (design phase)	Mitchell Park Greenhouses
Parking lot stormwater bioswale	Bradford Beach
Parking lot permeable pavement	Zoo
Parking lot permeable pavement	Sports Complex
Stormwater bioinfiltration raingardens (6)	Bradford Beach
Stormwater raingardens (3)	Lake Park
Stormwater bioinfiltration raingarden	McKinley Beach
Stormwater raingarden	Washington Park
Stormwater raingarden	Dineen Park
Stormwater raingarden	Humboldt Park
Subsurface stormwater infiltration	McKinley Beach
Subsurface stormwater infiltration	South Shore Park
Permeable pavement	Dineen Park
Permeable pavement	Mitchell Park Domes
Green Roof	Zoo - Peck Education
Green Roof	Milwaukee Public Museum
Green Roof	Mitchell Park Domes
Green Roof (planning phase)	GMIA
Renewable Energy	
Solar PV system (3.3 kW)	Juneau Park Comfort Bldg
Solar PV system (3.1 kW)	Wilson Park Senior Center
Solar PV Flair (1.4 kW)	Zoo - Lakeview Café
Solar PV system (10 kW)	Zoo - Entrance
Solar PV system (10 kW)	Fleet
Solar PV system (5kW)	Washington Park Community Bldg
Solar Hot Water system	Washington Park Senior Center
Solar Hot Water system	Children's Court
Solar Hot Water system (design)	Zoo
Solar Hot Water system (planning)	GMIA
Alternative Fuels Support	
CNG filling station	Howell Ave Clark Station

TABLE 6 - Milwaukee County's Alternative Fuel Vehicles

Description	Type	Quantity	Model/Manufacturer	Host Department	Notes
Hybrid Electric Sedan	Regenerative braking system stores energy in batteries	35	Ford Fusion	various (Fleet)	
Hybrid Electric Sedan	Regenerative braking system stores energy in batteries	2	Chevy Malibu	Parks	
Hybrid Electric SUV	Regenerative braking system stores energy in batteries	12	Ford Escape	Transit and Parks	
CNG Hybrid Sedan	Uses compressed natural gas as primary fuel	2	Honda Civic	GMIA	
CNG Shuttle Bus	Uses compressed natural gas as primary fuel	9	El Dorado Aerotech 240	GMIA	
Zoomobiles	Electric-powered	3	Taylor-Dunn TC50E	Zoo	
Bucket truck	Hybrid electric	4	Kenworth/Dueco-Odyne	Fleet	
Garbage truck	Uses compressed natural gas as primary fuel	1	Kenworth	GMIA	