

master planning

Energy is not a fixed-cost; it's something that can be managed. That is why an Energy Master Plan (EMP) is critical for your organization. An EMP can guide a business in longer-range planning of energy cost-reduction, while controlling facility maintenance, management, and design.

Palmer Conservation Consulting (PCC) includes many steps not usually taken under conventional, technically-oriented energy management:

- energy procurement
- energy-related equipment purchasing
- measurement and verification
- staffing and training
- communications
- setting energy consumption targets
- tracking/feedback

Traditional energy management is essentially centered on the boiler or mechanical room. Energy Master Planning, on the other hand, is a business management procedure for commercial, institutional and industrial operations. The process involves:

- developing strategies
- creating processes to fulfill those strategies
- identifying barriers and finding procedures to overcome them
- creating accountability
- providing feedback loops to monitor and report progress

An EMP may be thought of as a road map to savings that starts *before* and continues *after* energy-efficiency measures are involved. Why do you need such a map? Because you can't get there if you don't know where "there" is. Let Palmer Conservation Consulting create an EMP road map specifically for you, so that you can start saving now and well into the future!

		Payback			Job & Family	Engineer's Office	County Corrections	Totals
		Quick	Average	Long				
		5	10	15				
ECMs	Buildings							
		Courthouse	Service Center	Office Building				
Controls	Cost (000)			\$95	\$33	\$20	\$126	\$274
	Savings (000)			\$34	\$3	\$1	\$48	\$86
	PBP (yrs.)			2.8	10.0	16.7	2.7	3.2
HVAC	Cost (000)	\$644	\$489	\$85	\$148	\$156		\$1,522
	Savings (000)	\$36	\$37	\$2	\$2	\$23		\$100
	PBP (yrs.)	18.1	13.4	37.0	64.3	6.7		15.3
Lighting	Cost (000)	\$25	\$18		\$12	\$14	\$38	\$107
	Savings (000)	\$10	\$7		\$6	\$2	\$21	\$46
	PBP (yrs.)	2.5	2.6		2.0	9.3	1.8	2.4
Heating	Cost (000)			\$80			\$250	\$330
	Savings (000)			\$7			\$20	\$27
	PBP (yrs.)			11.1			12.5	12.1
Windows	Cost (000)	\$100				\$42		\$142
	Savings (000)	\$4				\$3		\$7
	PBP (yrs.)	25.0				14.0		20.3
						Cost (000)	\$2,375	
						Savings (000)	\$266	
						PBP (yrs.)	8.9	