## EXERCISE: ENERGY PROJECT PRIORITIZATION



## **Energy Project Decision Matrix**

		En	ergy Pi	roject Decisio	on Matrix				
Proposed Energy Efficiency Project	Energy Cost Savings (1 to 5)	Cost of Implementation (1 to 5)	Payback Period (1 to 5)	Regulatory		Advantageous	Operational Feasibility (1 to 5)	Part of a Larger Project (1 to 5)	Tota

Your small water sys	tem could reduce electrical energy use by	implementing num	nerous strategies, in	ncluding:	
Process Targeted / Goal	Improvement and Estimated Savings	Implementation Cost (\$)	Estimated Annual Energy Savings (kWh)	Estimated Annual Cost Savings (\$)	Simple Pay-Back (Years)
		No cost. Turn			
Lighting (A)	Reduce number of lighting hours by 40%	lights off.	7,488	\$4,118	0
	Replace T12 fluorescent light bulbs and				
Lighting (B)	fixtures with T8 equivalents	\$12,470	22,976	\$10,800	1.15
	Replace high service pumps with premium efficiency ones at two				
High Service Pumps	pumping locations	\$52,400	34,640	\$19,052	2.75
	Replace air conditioning with high				
HVAC and Window	efficiency system and install window				
Films	films to reduce solar heat gain	\$218,382	138,104	\$64,909	3.36



