

Attachment J-15
Government Identified ECM Matrix – Denver VAMC

TC #	ECM #	ECM Name
TC-2		Chilled Water and Air Conditioning Systems
	2.03	Optimize each chiller
		Boiler/Boiler Systems
TC-1	1.01	Reduce Steam Pressure and tune up
		Heating Ventilating and AC
TC-4	4.09	DDC Control System Upgrade
		Chilled Water, Hot Water
TC-14	14.07	Thermal Energy Storage system evaluation
		Lighting improvements
TC-5	5.08	Replace 32W T8 with LED Fixtures (250)
		Chilled Water, Hot Water
TC-7	7.03	Steam trap monitoring system
		Commissioning Measures
TC-17	17.01	Facility Recommissioning
		Renewable Energy Systems
TC-11	11.01	3.0 MW rooftop solar PV system
	11.90	Solar carport PV charging station
		Electrical Peak Shaving Load Shifting
TC-14	14.01	Battery Storage system
		Distributed Generation Systems
TC-10	10.01	2.5-3.0 MW Cogeneration System

		Energy Cost Reduction
TC-15	15.10	Evaluate more favorable rate structure
		Building Envelope Modifications
TC-6	6.05	LEED Silver certification
TC-6	6.05a	Add window film
		Building Automation System/Energy Management and Control System (EMCS)
TC-3	3.2	Upgrade layout of existing EMCS control room
		Chilled Water Hot Water and Steam Systems
TC-7	7.1	Steam pipe and fitting custom thermal blanket installation