

Table 4
Energy Conservation Measures Data

			Table 4 Energy Conservation Measures Data																
			Status		Energy Data					Financial Data				Reference Data		Payback Data			
Category/Building Name	Energy Conservation Measure Name	ECM Type (select one from drop-down)	Status (select one from drop-down)	Status Date (Completed with monthly/year or planned Qtr/year)	Projected Annual Electricity Savings (kWh)	Projected Annual Natural Gas Savings (therms)	Projected Annual Oil Savings (gallons)	Projected Annual Propane Savings (gallons)	Projected Annual Gasoline Savings (gallons)	Projected Annual Diesel Savings (gallons)	Projected Annual Cost Savings (\$)	Total Installed Cost (\$)	Green Community Grant (\$)	Utility Incentives (\$)	Net Cost (\$) without Green Community funds	Funding Source(s) for Net Costs	Source for Projected Savings	(Simple Payback before Incentive)	(Payback with Incentive)
Blake Middle School	Low-Flow Aerators and Showerheads, Spray Valve	Hot Water	Planned	Summer 2017		719					\$827	\$720		\$720	\$0	N/A	Rise Engineering (Appendix A1)	0.87	0.00
Blake Middle School	Exterior LED	Exterior Lighting	Planned	Summer 2017	67,180						\$11,085	\$35,082		\$16,795	\$18,287	Green Communities Grant	Rise Engineering (Appendix A2)	3.16	1.65
Blake Middle School	200 Side Lighting	Interior Lighting	Planned	Summer 2017	64,146						\$10,584	\$66,114		\$16,037	\$50,077	Green Communities Grant	Rise Engineering (Appendix A2)	6.25	4.73
Blake Middle School	Behavioral Based Measures	Behavioral and Training	Planned	Fall 2017	32,757						\$3,931	\$1,000		Pay-for-Performance	\$1,000	Green Communities Grant	MAPC (Appendix D1)	0.25	0.25
Blake Middle School	EMS	Retrocommission	Planned	Winter 2017	2,008	2,754					\$3,521	\$25,000		\$3,546	\$21,454	Green Communities Grant	Rise Engineering (Appendix A4)	7.10	6.09
Blake Middle School	100-300 Side Lighting	Interior Lighting	Planned	Summer 2018	106,267						\$17,534	\$98,790		\$25,527	\$73,263	Green Communities Grant	Rise Engineering (Appendix A2)	5.63	4.18
Blake Middle School	New DHW Storage	Hot Water	Planned	Summer 2018		1,050					\$1,202	\$8,000		\$4,000	\$4,000	Green Communities Grant	Rise Engineering (Appendix A1)	6.66	3.33
Blake Middle School	Roof Insulation	Weatherization	Planned	Summer 2020	1,111	6,212					\$7,144	\$100,000		\$50,000	\$50,000	Green Communities Grant	Rise Engineering (Appendix A2)	14.00	7.00
Council on Aging	COA parking Lights	Exterior Lighting	Active	Fall 2016	4508						\$676	\$3,000		\$1,127	\$1,873	Town Budget	Town of Medfield	4.44	2.77
Council on Aging	COA Entrance Weatherization	Weatherization	Active	Fall 2016		500					\$450	\$5,500			\$5,500	Town Budget	Town of Medfield	12.22	12.22
Council on Aging	Interior Lighting	Interior Lighting	Active	Fall 2016	16,750						\$2,512	\$34,570		\$4,187	\$30,383	Town Budget	AECOM (Appendix B1)	13.76	12.09
Dale Street Elementary School	Exterior LED	Exterior Lighting	Planned	Summer 2020	2,037						\$336	\$927		\$509	\$418	Green Communities Grant	Rise Engineering (Appendix A3)	2.76	1.24
Dale Street Elementary School	First Floor Lighting	Interior Lighting	Planned	Summer 2020	67,373						\$11,117	\$96,115		\$16,843	\$79,272	Green Communities Grant	Rise Engineering (Appendix A3)	8.65	7.13
Dale Street Elementary School	Steam traps	HVAC	Planned	Summer 2020		7,710					\$8,866	\$25,000		\$12,500	\$12,500	Green Communities Grant	Rise Engineering	2.82	1.41
Dale Street Elementary School	Low-Flow Aerators and Spray Valve	Hot Water	Planned	Summer 2020		522					\$600	\$414		\$414	\$0	N/A	Rise Engineering (Appendix A4)	0.69	0.00
Dale Street Elementary School	2nd Floor Lighting	Interior Lighting	Planned	Summer 2020	8,889						\$1,467	\$21,247		\$2,222	\$19,025	Green Communities Grant	Rise Engineering (Appendix A3)	14.48	12.97
Medfield High School	Exterior LED	Exterior Lighting	Planned	Summer 2017	93,868						\$15,488	\$47,951		\$23,467	\$24,484	Green Communities Grant	Rise Engineering (Appendix A5)	3.10	1.58
Medfield High School	Low-Flow Aerators and Showerheads, Spray Valve	Hot Water	Planned	Summer 2017		1,052					\$1,209	\$1,114		\$1,114	\$0	N/A	Rise Engineering (Appendix A4)	0.92	0.00
Medfield High School	EMS	Retrocommission	Planned	Summer 2017	13,917	2,959					\$5,908	\$50,000		\$5,221	\$44,779	Green Communities Grant	Rise Engineering (Appendix A4)	8.46	7.58
Medfield High School	Behavioral Based Measures	Behavioral and Training	Planned	Fall 2017	72,649						\$8,718	\$1,000		Pay-for-Performance	\$1,000	Green Communities Grant	MAPC (Appendix D1)	0.11	0.11
Medfield High School	First Floor Lighting	Interior Lighting	Planned	Summer 2018	107,857						\$17,796	\$98,180		\$26,964	\$71,216	Green Communities Grant	Rise Engineering (Appendix A5)	5.52	4.00
Medfield High School	2nd Flr & LL Lighting	Interior Lighting	Planned	Summer 2019	114,224						\$18,847	\$95,402		\$28,556	\$66,846	Green Communities Grant	Rise Engineering (Appendix A5)	5.06	3.55
Medfield Public Library	MPL Lighting	Interior Lighting	Active	Fall 2016	16,305						\$2,446	\$350			\$350	Town Budget	Town of Medfield (Appendix C1)	0.14	0.14
Medfield Public Library	Attic Air Sealing	Weatherization	Planned	Winter 2016	521	381					\$380	\$3,500		\$1,750	\$1,750	Town Budget	Rise Engineering (Appendix A7)	9.21	4.61
Medfield Public Library	Interior Lighting	Interior Lighting	Planned	Fall 2017	41,298						\$6,195	\$90,695		\$10,325	\$80,370	Green Communities Grant	AECOM (Appendix B2)	14.64	12.97
Medfield Public Library	EMS	Building Controls Installation	Planned	Fall 2017	2,605	213					\$685	\$50,000		\$9,600	\$40,400	Green Communities Grant	Rise Engineering (Appendix A4)	72.99	58.98
Medfield Public Library	Low-Flow Aerators	Hot Water	Planned	Fall 2017	3,984						\$637	\$88		\$0	\$88	Green Communities Grant	Rise Engineering (Appendix A4)	0.14	0.14
Medfield Public Library	Attic Insulation	Weatherization	Planned	Fall 2017	73	86					\$86	\$2,500		\$0	\$2,500	Green Communities Grant	Rise Engineering (Appendix A7)	29.07	29.07
Medfield Public Library	Pipe Insulation	HVAC	Planned	Fall 2017		46					\$46	\$600			\$600	Green Communities Grant	Rise Engineering (Appendix A7)	13.04	13.04
Medfield Public Library	MPL Exterior Lighting	Exterior Lighting	Planned	Fall 2019	5,510						\$827	\$2,200		\$1,378	\$823	Green Communities Grant	Town of Medfield (Appendix C1)	2.66	0.99
Memorial Elementary School	Exterior LED	Exterior Lighting	Planned	Summer 2017	53,134						\$8,767	\$29,904		\$13,284	\$16,620	Green Communities Grant	Rise Engineering (Appendix A8)	3.41	1.90
Memorial Elementary School	Wings 1 & 2 Lighting	Interior Lighting	Planned	Summer 2017	61,184						\$10,095	\$66,267		\$15,296	\$50,971	Green Communities Grant	Rise Engineering (Appendix A8)	6.56	5.05
Memorial Elementary School	Low-Flow Aerators and Spray Valve	Hot Water	Planned	Summer 2017		539					\$620	\$425		\$425	\$0	N/A	Rise Engineering (Appendix A4)	0.69	0.00
Memorial Elementary School	EMS	System Upgrade and Retrocommissioning	Planned	Summer 2017	6,127	1,520					\$2,850	\$100,000		\$9,759	\$90,241	Green Communities Grant	Rise Engineering (Appendix A4)	35.09	31.66
Memorial Elementary School	Wing 3 Lighting	Interior Lighting	Planned	Summer 2018	30,133						\$4,972	\$34,821		\$7,533	\$27,288	Green Communities Grant	Rise Engineering (Appendix A8)	7.00	5.49
Streetlights	Exterior LED	Exterior Lighting	Planned	Summer 2018	63,759						\$35,441	\$104,864		\$16,188	\$88,676	Green Communities Grant	Fred Davis Corporation (Appendix E1)	2.96	2.50
Town Garage	Garage Controls	Building Control	In Progress	Fall 2016		33,200					\$29,880	\$0		\$0	\$0	Town Budget	Town of Medfield	0.00	0.00
Town Garage	Interior Lighting	Interior Lighting	Planned	Fall 2020	27,231						\$4,085	\$122,633		\$6,808	\$115,825	Green Communities Grant	AECOM (Appendix C2)	30.02	28.36
Town Hall	Interior Lighting	Interior Lighting	Active	Fall 2016	18,174						\$2,726	\$400			\$400	Town Budget	Town of Medfield (Appendix C2)	0.15	0.15
Town Hall	TH Parking Lights	Exterior Lighting	Planned	Fall 2017	15972						\$1,916	\$5,670		\$3,993	\$1,677	Town Budget	Town of Medfield (Appendix C3)	2.96	0.88
Town Hall	Low-Flow Aerators	Hot Water	Planned	Fall 2017	5,976						\$956	\$132		\$0	\$132	Green Communities Grant</			