



Building Dashboard

Newton Street Elementary			70 Shelburne Road			
Building Data						
Structural Details		HVAC		Condition	Appliances/equipment	
Year Built	1915; additions and renovations in 1989	Heating System	2 Gas-fired Hot water Boilers Attic AHUs for gym, café, and admin.	EXCELLENT (upgraded 2014) GOOD	Interior Lighting	all upgraded to LEDs 2018
Square footage	32,732	Air Conditioning	single window unit gas-fired PTAC unit in modulars.	GOOD	Exterior Lighting	upgraded to LED 2018
Envelope	Masonry/Brick	Hot Water Heater	Gas-fired Hot water- 80 gallons	GOOD (Replaced 2008)		
Roof	Pitched with asphalt shingles over wood sheathing	Ventilation	4 Exhaust Fans in attic	GOOD		
Windows	Original building has single pane with interior storms, 7 skylights some blocked by drop ceiling -addition has double pane windows	Heat Distribution	two-pipe system and glycol system in attic. Unit ventilators in each classroom	GOOD		
Insulation	Attic Insulation includes 14 inches blown-in cellulose (R-49)	EMS	pneumatic system and time clock controls setbacks and scheduling			
Building Summary	Large addition built in 1989. Modulars added before 2009, replaced in 2015. New Roof and Insulation and air sealing done in 2016.					
Energy Profile - FY2019						
Energy Efficiency (BTU per Square Foot)						
Electric	Heat	Total				
19,736	34,065	53,801				
If Total is ≤ 40K Great!	40K-80K OK	>80K Needs Work				
Annual Energy Cost						
Electric	Heat	Total				
\$37,682	\$10,564	\$48,246				
Berkshire Gas Rate Class	G-41 and G 42					
Electric Service Rate Class	G0					
Average Monthly Demand (kW)	56					
Completed Work						
Fiscal Year	Project	Project Cost	Grants/Rebates	Life Expectancy	Warranty	
2015	Modulars replaced	N/A	N/A	N/A	N/A	
2016	Insulation and air-sealing	\$20,716	\$10,358	N/A	N/A	
2016	Asphalt shingle roof replaced	N/A	N/A	N/A	N/A	
2016	Gymnasium lights upgraded to LED	N/A	N/A	N/A	N/A	
2019	LED lighting upgrade- on bill financed	\$27,428	\$11,856	20+ years	5 years	
Capital Improvement Plan Projects						
Fiscal Year	Project	Cost	Life Expectancy	Warranty		
2020	Flooring Replacement (4 Schools)	\$550,000	N/A	N/A		
2020	Fencing Replacement (all schools)	\$23,000	N/A	N/A		
2020	Sidewalks and Stairs	\$75,000	N/A	N/A		
2020	Paving and Lining of Parking Lot	\$113,500	N/A	N/A		
Audits/Assessments						
Fiscal Year	Type	Findings				
2009	Siemens Whole building assessment	Report available upon request				
2016	Internal Solar Assessment	Inadequate available space				