



# Building Dashboard

Academy of Early Learning (North Parish)			1 Place Terrace			
Building Data						
Structural Details		HVAC		Condition	Appliances/equipment	
<b>Year Built</b>	1920; additon and renovations in 1989	<b>Heating System</b>	High Efficiency Gas-fired Hot Water (2015)	GOOD	<b>Interior Lighting</b>	all upgraded to LEDs 2018
<b>Square footage</b>	29,590	<b>Air Conditioning</b>	None		<b>Exterior Lighting</b>	LED wall packs
<b>Envelope</b>	Two-story brick building	<b>Hot Water Heater</b>	80 gal gas-fired Hot Water	GOOD		
<b>Roof</b>	Pitched, asphalt shingles, over wood sheathing and wood framing, replaced in 2016	<b>Ventilation</b>	Terminal units have ventilators in classrooms and café, gym has air handling unit for heat and ventilation, 3 exhaust fans in attic			
<b>Windows</b>	Most double glazed - two arched windows are single glazed	<b>Heat Distribution</b>	Two- pipe system with two primary pumps. Terminal units include unit ventilators, convectors, baseboards or fan coil units.			
<b>Insulation</b>	12" of cellulose in attic (CET 3/2016)	<b>EMS</b>	Pneumatic system and time clock controls setbacks and scheduling			
<b>Building Summary</b>	Academy of Early Learning, Boiler upgrade through Siemens project in 2015, roof replacement in 2016, Exterior lights all LED, well-maintained. Upgraded fixtures, lamps, and ballasts; installed occupancy sensors - 2015					
Energy Profile - FY2019						
Energy Efficiency (BTU per Square Foot)						
<b>Electric</b>	<b>Heat</b>	<b>Total</b>				
10,477	38,831	<b>49,308</b>				
If Total is ≤ 40K Great!	40K-80K OK	>80K Needs Work				
Annual Energy Cost						
<b>Electric</b>	<b>Heat</b>	<b>Total</b>				
\$17,975	\$10,783	<b>\$28,758</b>				
<b>Berkshire Gas Rate Class</b>		G42				
<b>Electric Service Rate Class</b>		G0				
<b>Average Monthly Demand (kW)</b>		30				
Completed Work						
<b>Fiscal Year</b>	<b>Project</b>	<b>Project Cost</b>	<b>Grant/rebate</b>	<b>Life Expectancy</b>	<b>Warranty</b>	
2016	Roof Repair		N/A	N/A	N/A	
2019	LED lighting upgrade- on bill financed	\$8,132	\$3,786	20+ years	5 years	
Capital Improvement Plan Projects						
<b>Fiscal Year</b>	<b>Project</b>	<b>Project Cost</b>	<b>Life Expectancy</b>	<b>Warranty</b>		
2020	Flooring Replacement (4 Schools)	\$550,000	N/A	N/A		
2020	Fencing Replacement (all schools)	\$23,000	N/A	N/A		
Additional Maintenance and Replacement Projects Identified						
	<b>Project</b>	<b>Predicted Cost</b>	<b>Payback Time</b>	<b>Supporting Info</b>		
from Siemens 2009	Demand control ventilation on air handling units	N/A	N/A	Report available upon request		
	improve controls on heating and ventilating and exhaust fans	N/A	N/A			
	ventilate attic better (ice problems in winter)	N/A	N/A			
Audits/Assessments						
<b>Fiscal Year</b>	<b>Type</b>	<b>Findings</b>				
2009	Siemens Whole building assessment	Report available upon request				
2016	Internal Solar Assessment	Inadequate space - not cost effective				