



# Building Dashboard

Academy of Early Learning (North Parish)			1 Place Terrace			
Building Data						
Structural Details		HVAC		Condition	Appliances/equipment	
Year Built	1920; addition and renovations in 1989	Heating System	High Efficiency Gas-fired Hot Water (2015)	GOOD	Interior Lighting	all upgraded to LEDs 2018
Square footage	29,590	Air Conditioning	None		Exterior Lighting	LED wall packs
Envelope	Two-story brick building	Hot Water Heater	80 gal gas-fired Hot Water	GOOD		
Roof	Pitched, asphalt shingles, over wood sheathing and wood framing, replaced in 2016	Ventilation	Terminal units have ventilators in classrooms and café, gym has air handling unit for heat and ventilation, 3 exhaust fans in attic			
Windows	Most double glazed - two arched windows are single glazed	Heat Distribution	Two-pipe system with two primary pumps. Terminal units include unit ventilators, convectors, baseboards or fan coil units.			
Insulation	12" of cellulose in attic (CET 3/2016)	EMS	Pneumatic system and time clock controls setbacks and scheduling			
Building Summary	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 - FY2021			<b>Usage Trends</b> <span style="color:blue">■</span> Monthly Use <span style="color:grey">■</span> Annual Use (12 Month Rolling Sum) An asterisk over a bar indicates building interventions completed in that month. Click on the bar to display more information about the interventions.			
Energy Usage						
Electric (kWh)	Heat (therms)	EUI (kBtu/sqft)				
82,720	10,665	46				
EUI ≤ 35 Meets Zero Energy Goal	EUI = 35-50 Efficient	EUI > 50 Priority to Improve				
Annual Energy Cost						
Electric	Heat	Total				
\$14,882	\$8,898	\$23,780				
Berkshire Gas Rate Class	G42					
Electric Service Rate Class	G0					
Average Monthly Demand (kW)	18.4					
Completed Work						
Fiscal Year	Project	Project Cost	Grant/rebate	Life Expectancy	Warranty	
2016	Roof Repair	N/A	N/A	N/A	N/A	
2019	LED lighting upgrade - on bill financed	\$8,132	\$3,786	20+ years	5 years	
Maintenance and Replacement Projects Identified						
	Project	Predicted Cost	Payback Time	Supporting Info		
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						
Fiscal Year	Type	Findings				
2009	Siemens Whole building assessment	Report available upon request				
2016	Internal Solar Assessment	Inadequate space - not cost effective				