

Brattleboro Town School District Five Year Capital Plan

Draft as of 9/20/18, updated 11/20/18

Fiscal Year Ending June 30 of each year

cc: School Board 12/19/18

	Reference	Installation Date	Expected Service Life (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date
Green Street School												
Heating Systems												
Boilers	Two (2) steam boilers	1979	40	\$946,000								2019
Fuel tanks & distribution	10,000 gal	1995	30									2025
Control System		1990	25									2015
Fire Protection/Systems												
Fire Panel Replacement												
Mechanical Controls												
Unit Ventilators		various										
Lighting panels/Systems		1996	24			\$35,000						2020
Roof Systems												
Roofing	Membrane roof replacement	1997	25				\$62,500	\$70,000	\$70,000	\$75,000		2022
Skylight	reinstalled 1996	1996			\$25,000							
Grounds												
Retaining Wall				\$30,000								
Swings/Playground	playground structures	2015	20			\$20,000						2035
Vehicular Systems												
Parking lots		1995	25				\$10,000			\$10,000	\$10,000	2020
Site Utilities												
Storm drainage												
Specialties												
Library Ceiling		1996	24			\$15,000						2020
Waste handling equipment												0
Flooring					\$15,000	\$15,000						
Painting - interior	classrooms				\$15,000							
Outdoor instruction space					\$12,000							
Renovate Second floor	work centers											
Renovate 2 Offices & Bathroom					\$30,000							
Food service/Kitchen												

Green Street Total Capital Expenditures	\$976,000	\$97,000	\$85,000	\$72,500	\$70,000	\$70,000	\$85,000	\$10,000
Less Amount Financed through Loans:	-\$350,000							
Less Amount funded through capital reserve:	-\$30,000							
Balance Appropriated in General Operating Fund	\$596,000							
Offset by Grant Revenues	-\$145,000							
Net Local Cost	\$451,000							

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Oak Grove School												
Heating Systems												
Boilers	Honeywell	2009	35									2044
Fuel tanks & distribution	10,000 gal	1995	30									2025
Control System												
Mechanical Controls												
Unit Ventilators		various										
Electronic controls												
Fire Protection/Suppression Systems												
Fire Panel Replacement	original install date 1996			43,000								
Roofing-ph 1	various	1991, 2007	30				\$50,000					2021
Roofing-ph2	area 3,4,6				\$70,000							
Roofing ph3	area 8					\$70,000						
Exterior Wall Systems												
Brick Re-Pointing												
Window systems							\$50,000	\$50,000				
Grounds												
Swings/Playground												
Vehicular Systems												
Parking lots		1995	25									2020
Specialties												
Interior Repair-K Room/other												
Bathroom Renovation												
Security Systems				\$9,500								
Food service/Kitchen												
Oak Grove Total Capital Expenditures				\$52,500	\$70,000	\$70,000	\$100,000	\$50,000	\$0	\$0	\$0	

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	Reference	Installation Date	Expected Service Life (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date
Academy School												
Heating Systems												
Boilers	Wood pellet -oil back-up	2015	25									2040
Fuel tanks & distribution	10,000 gal	1995	30									2025
Control system	Heating ventilation controls project	2015	15	\$0								2030
Duct System Cleaning					\$20,000							
Unit Ventilators		various										
Electronic controls												
Fire Protection/Suppression Systems												
Fire Panel Replacement	original install date??			35,000								
Roof Systems												
Roofing	West wing	1988	32			\$130,450						2020
Roofing	East wing	review	30				\$89,250					2021
Exterior Wall Systems												
Brick Re-Pointing												
Window systems				\$45,000	\$50,000	\$50,000						
Renovation/Modular Replacement		2008		\$0	\$220,000	\$50,000	\$150,000	\$150,000	\$150,000			2068
Grounds												
Fields												
Main Tractor	New tractor purchase	2015	15									2030
Swings/Playground				\$30,000								
Vehicular Systems												
Parking lots												
Academy Total Capital Expenditures				\$110,000	\$290,000	\$230,450	\$239,250	\$150,000	\$150,000	\$0	\$0	

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Other - Esteyville, Powers House and Canal Street												
Heating Systems												
Boilers- Esteyville	Wood pellet & storage	2015	25									2040
Boiler -Canal Street	Boiler	1964	45				\$45,000					2009
Boiler-Powers House	Boiler											
Fuel tanks & distribution	Esteyville Oil Fuel tank	1983	30									2013
	Canal Street	1995	30									2025
	Powers House											
Control System												
Mechanical Controls												
Unit Ventilators		various										
Electronic controls												
Roof Systems												
Roofing	various	various										
Canal Street	slate	1996				\$10,000						
Esteyville	slate											
Powers House	asphalt shingle	1996		\$25,000								2018
Exterior Wall Systems												
Brick Re-Pointing												
Window systems												
Grounds												
Trees	Other Properties											
Retaining walls	Canal Street											
Turf/lawn												
Other Buildings Total Capital Expenditures				\$0	\$25,000	\$10,000	\$45,000	\$0	\$0	\$0	\$0	
Total BTSD Capital Plan Acquisitions				1,138,500	482,000	395,450	456,750	270,000	220,000	85,000	10,000	

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	Reference	Installation Date	Expected Service Life (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date
Estimated Actual					282,000							
Sources of Funds:												
Operating Budget-annual appropriation-net of other sources ¹				613,500	482,000	366,250	509,250					
Use of Capital Fund Balance Reserves				352,029	-	50,000	100,000					
Long term Debt Financing ²				-								
Grant Sources ³				145,000								
Subtotal Sources				1,110,529	482,000	416,250	609,250					
Variance sources vs uses				(27,971)	-							
Projected Capital Reserve Fund Balance				55,119	255,119							

Notes:

- Budgetary Basis accounting includes FY18 Budget object 441 total of \$788.5k [976k-350+52.5+110=788.5] to appropriate resources to Expense Green Street project
- Financing for Green Str. Heat System of \$350k for term of 10 years [FY18 to FY28], see VT Bond Bank Amortization schedule dated 12/22/16 for Greenst Heat system

\$	7,057	\$	43,559	\$	42,883	\$	42,149
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- \$100,000 from Clean Energy Development Fund grant award [Nov 9, 2016 memorandum, \$45,000 from USDA Grant application due 1/7/17]

FY 19 Dummerston School District Capital Planning discussion

1/9/2018 Board meeting DTSD

FY18 capital projects 2600 431

parking lot resurfacing

alliance mechanical hvac review

\$((\$000)

FY19 projects for consideration [JC handout] cc Bd

cafeteria tables

35

fire alarm system replacement

25

outdoor insulation, recondition STO system

5

roof repair

24

Replace Arsenic Absorption media

24

mechanical system upgrades-clean out air handlers

10

Estimated Total Costs

123

Guilford School District Energy System Improvement Project

Detail Notes, also refer to "Guilford Pellet Boiler Feasibility Study and Heating Energy Audit Study Report" dated January 2016

	Article 2 project	Capital Fund Energy improv.	design	contigency	total
Replace Controls	50,000		2,250		52,250
Low Cost Improvements		857			857
Window Quilts		10,194			10,194
Ceiling and pipe insulation		5,152			5,152
Replace Cooking Range		5,225			5,225
Wood Pellet Heating*	175,000		4,750		179,750
contingency				13,000	13,000
	<u>225,000</u>	<u>21,428</u>	<u>7,000</u>	<u>13,000</u>	<u>266,428</u>

FY19 Captial Projects

Unitventilator Improvement Project	70,000
HVAC System Controls upgrade / Server	10,000
	<u>80,000</u>

Putney Town School District

Capital Plan, Fiscal Year ending June 2020 (FY20)

Updated 1/03/19, cc Board

ITEM	LIFE SPAN	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
BUILDING EXTERIOR									
Roof	15				54,150	67,810	8,000	10,000	5,000
Fascia & Soffit Replacement	20	17,500							
Exterior Painting	20					-		5,000	5,000
BUILDING INTERIOR									
Doors and closers	15							5,000	
Gym Floor	15					-			
Interior Painting	10				-			5,000	
SYSTEMS									
Boilers	20								
Phone System & wireless upgrade	7						12,000		
GROUNDS									
Paving-Parking	12							5,000	5,000
Soccer Field	10							5,000	-
KITCHEN									
Freezer(walk-in unit and Shed)	10						60,530		
Food Service Oven Range	10						-		
Fire Supression Unit-Range	10								
Anticipated Capital Project Costs		17,500	-	-	54,150	67,810	80,530	35,000	15,000
Funding Sources:									
Add Taxes Raised in General Fund [code 431]		-	-	-	-		45,000	35,000	40,000
Add Anticipated Grants							29,722		
Add Transfer In From GF Surplus		FY15Surplus->	140,000		-	-			
Estimated Capital fund Cash-on-hand Fiscal Year		73,399	213,582	213,764	159,797	92,323	57,114	57,256	82,399
Estimated Interest Earnings @ .25%		183	182	183	336	321	143	143	206
Estimated Capital Reserve Fund Balance @ end of Fiscal		73,582	213,764	213,947	160,133	92,644	57,256	57,399	82,605
		Audited	Audited	Audited	Audited	Audited	estimated	estimated	estimated

BUHS Five Year Capital Plan

UPDATED 1/14/19

Fiscal Year Ending June 30 of each year

	Reference	Installation Date	Expected Service Life (yrs.)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date
Heating Systems												
Boilers	Wood	2003	25									2028
Boilers	oil backup	2003	18				75,000					2021
Fuel tanks		2003										2003
Hot water distribution						120,000						
Stacks		2003										2003
Insulation								30,000				
Piping								100,000				
Valves									50,000			
Control System	Control tech upgrade	2015	10								75,000	2025
Control Systems	Intensive Svs/EES	2019	15		25,000							
Air Handling Systems												
Air handling units	HRVU #4 & 5	2003	20						45,000			2023
Air handling units	RTU gymnasiums	2004	20							22,500	22,500	2024
Make up Air Units	main Kitchen/WRCC	2005	15							45,000		2024
HVAC replacement	phase 1	2003	17								175,000	2025
Cooling Systems												
Auditorium/Admin wing	DX Coils	2005	25									2030
Fire Protection/Suppression Systems												
Fire Alarm System Upgrade		2003										
Sprinkler System	control system	2016	25									2041
Mechanical Controls												
Circulation pumps				20,000						20,000		2023
Lighting Systems												
Fluorescent fixtures								75,000				2022
Lighting panels							25,000					2021
Emergency lighting								25,000				2022
Exterior lighting												

BUHS Five Year Capital Plan

UPDATED 1/14/19

Fiscal Year Ending June 30 of each year

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Occupancy controls									20,000			2023
Signal Systems												
Telephone	replace system	2014	10							50,000		2024
Fire alarms												0
Security alarm/devices	monitoring system	2011	10	35,000	15,000							2019
Flooring												
High School												0
BAMS		2004				65,000						2020
Gymnasium									30,000			2023
Roof Systems												
Roofing	Phase I, 1 acre	2004	20							474,868		2024
Roofing	Phase II, 1 acre	2005	20								474,868	2025
Roofing repair						20,000						
Exterior Wall Systems												
Facade integrity									35,000			2023
Brick Re-Pointing												
Doors									35,000			2023
Window systems	1951 Wing	1995	30		25,000		25,000				50,000	2025
Green House Skin	upgrade controls	2003	20						20,000			2023
Interior Construction												
Paint							30,000					
Power Distribution Systems												
Wiring, conduits, & distribution panels									50,000			2023
Electrical Transformers	WRCC/heating/HIS	2003	30									2033
Athletic Fields & Facilities												
Tenny Field [baseball]	Grandstand	1940	80				50,000					2021
Natowich Field	resurface					125,000	125,000	125,000	125,500	125,500	125,500	

BUHS Five Year Capital Plan

UPDATED 1/14/19

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Natowich Field Lighting												0
Track Facility	resurface	2003	15	88,000								2018
Tennis Courts	resurface					-						
Practice Field [east side]					100,000							
Maintenance Shed	new construction	2019	50		340,000							
Vehicular Systems												
Parking lots	bus loop south side	2005	15		15,000	20,000	20,000	25,000				2020
Specialties												
Elevators	BUHS front entrance	1992	30					75,000				2022
Food service/Kitchen	walkin freezer	1980	35		40,000							

Total Capital Expenditures

143,000 560,000 350,000 350,000 455,000 430,500 717,868 922,868

FY2019-2025 cumulative estimate:

3,437,737

Sources of Funds

Grants/interest

Taxes-projects funded via General Fund annual budget

643,082 190,000 - 350,000 450,000

Sub Total Sources of Funds

643,082 190,000 - 350,000 450,000

Surplus/(Deficit) [use of reserve funds]

500,082 (370,000) (350,000) - (5,000)

Capital Reserve Fund Balance-Beginning Balance

FY17 946,620 1,446,702 1,076,702 726,702 726,702

Capital Reserve Fund Balance-End Balance

946,620 1,446,702 1,076,702 726,702 726,702 721,702