

<b>Windham Southeast School District Capital Plan Overview</b>					<b>Projects Subject to Board Approval</b>			
	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
<b>Infrastructure Improvements</b>								
Heating Systems	1,246,911	143,753	68,000	<b>190,000</b>	275,000	270,000	311,500	197,500
Fire Protection, Mechanical Controls & Lighting, Signal Systems	88,086	44,094	68,000	78,000	21,000	76,000	71,000	-
Roof Systems	85,303	27,824	246,450	<b>303,250</b>	50,000	50,000	604,870	524,900
Exterior Wall Systems	-	11,379	163,569	<b>271,569</b>	308,569	300,000	210,000	160,000
Grounds	207,320	188,267	394,100	<b>222,000</b>	160,000	175,500	155,500	125,500
Vehicular Sys, Utilities, Specialties	32,948	146,547	207,000	<b>176,000</b>	145,500	24,500	34,500	10,000
<b>Total Capital Plan Acquisitions [General &amp; Capital Funds]</b>	<b>1,660,568</b>	<b>561,864</b>	<b>1,147,119</b>	<b>1,240,819</b>	960,069	896,000	1,387,370	1,017,900
					5 year cumulative totals FY21-25:			5,502,158
<b>Capital Plan Overview by School Site</b>	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>FY2022</b>	<b>FY2023</b>	<b>FY2024</b>	<b>FY2025</b>
<b>Uses of Funds:</b>								
Brattleboro Union High School	143,000	272,345	497,100	<b>480,000</b>	455,000	575,500	772,870	847,900
Green Street	1,006,000	90,424	85,000	<b>104,000</b>	85,000	80,000	120,000	70,000
Oak Grove	58,717	20,436	70,000	<b>100,000</b>	50,000	-	-	-
Academy	73,783	24,444	391,019	<b>424,819</b>	198,569	100,000	114,000	100,000
Powers House/Estyville/Canal Street School	-	-	10,000	-	45,000	-	-	-
Dummerston	57,633	-	20,000	<b>21,000</b>	55,500	4,500	279,500	-
Guilford	253,625	27,397	33,000	<b>81,000</b>	71,000	86,000	21,000	-
Putney	67,810	126,818	41,000	<b>30,000</b>	-	50,000	80,000	-
<b>Total Capital Plan Acquisitions [General &amp; Capital Funds]</b>	<b>1,660,568</b>	<b>561,864</b>	<b>1,147,119</b>	<b>1,240,819</b>	960,069	896,000	1,387,370	1,017,900
<b>Sources of Funds:</b>								
Operating Budget-annual appropriation-net of other sources	1,399,057	424,495	414,205	<b>284,000</b>	583,569	865,495	1,322,870	1,700,000
General Fund Transfers to Capital Fund	-	546,698	31,003	<b>108,085</b>	-	-	-	-
Long term Debt Financing	-	401	-	<b>103,392</b>	-	-	-	-
Grant & Interest Sources	240,321	27,506	-	-	-	-	-	-
<b>Subtotal Sources</b>	<b>1,639,378</b>	<b>999,100</b>	<b>445,208</b>	<b>495,477</b>	583,569	865,495	1,322,870	1,700,000
Variance (-reduces reserve/+increase reserve)	(21,190)	437,236	(701,911)	<b>(745,342)</b>	(376,500)	(30,505)	(64,500)	682,100
<b>Projected Capital Reserve Fund Balance</b>	<b>1,680,022</b>	<b>2,117,258</b>	<b>1,415,347</b>	<b>670,005</b>	293,505	263,000	198,500	880,600
	audited	audited	estimated->					
Prepared 1/22/2020								
<b>See Detail Capital Plans by School Site on WSESU Website:</b>	<a href="https://www.wsesu.org/uploads/1/2/1/3/121335551/wsesd_capital_plan_overview_detail_1.22.20.pdf">https://www.wsesu.org/uploads/1/2/1/3/121335551/wsesd_capital_plan_overview_detail_1.22.20.pdf</a>							

**Brattleboro Union High School Sites Five Year Capital Plan**

Revision Date: 1/17/20

fr, rc

**Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

BAMS/WRCC/BUHS	Reference	Installation Date	Expected Service Life (yrs.)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
<b>Heating Systems</b>													
Boilers	Wood	2003	25		2,322	68,000						2028	Messersmith phase 1 \$68,000 boiler refractory replacement,
Boilers	oil backup	2003	25									2028	2 HP smith oil boiler [60% backup]
Fuel tanks		2003	30									2033	Below Ground Fuel Oil #2, 2000 ga [near chip bin]
<b>Hot water distribution</b>													
Stacks		2003	20				15,000		25,000			2023	determined
Insulation		2003	19	5,484				30,000				2022	Ventilation duct insulation on roof
Piping		2003	19		47,981			50,000				2022	june 2019, Kitchens-add baseboard heating woodchip system, elim propane, victrolc piping gaskets replacements
Valves		2003	20						50,000			2023	
Control System 1	Control tech upgrade	2015	10				125,000	150,000	150,000			2025	Jace system 6 unit replacement, replace obsolete controls, use IP over Backnet, open source, reduce # of controllers
Control Systems 2	Intensive Svs/EES	2019	15	20,930									ARC bid 5/31/18 hvac rooms 119,112,114,116 project to be complete //1/18, bid \$21k, Also VFD for Wood Chip sys Messersshmit\$9.2k
<b>Air Handling Systems</b>													
Air handling units	HRVU #4 & 5	2003	20						45,000			2023	middle school ventilation system, east end and nurse office/life ed suites
Air handling units	RTU gymnasiums	2004	20							22,500	22,500	2024	middle school gym / high School ventilation system,
Make up Air Units	main Kitchen/WRCC	2005	15				50,000					2020	July 2020 replace disabled makeup air unit on roof
HVAC replacement	phase 1	2003	22							175,000		2025	main Kitchen/WRCC make air units - Robert to develop further, address air quality standards
<b>Cooling Systems</b>													
Auditorium/Admin wing	DX Coils	2005	25									2030	
<b>Fire Protection/</b>													
Fire Alarm System Upgrade		2003	20									2023	Installed with upgradable pannels in 2003 project
Sprinkler System	control system	2016	25									2041	2016 installed 2 points of reference for control sensor system
<b>Mechanical Controls</b>													
Circulation pumps		2013	8				20,000					2021	Heating exchange units, 6 units in total, replace 2 on a cycle
<b>Lighting Systems</b>													
Fluorescent fixtures													
Lighting panels		2003	17				30,000					2020	hallways
Emergency lighting		2003	20						20,000			2023	maintain battery backup to emergency systems
Exterior lighting													
Occupancy controls		2003	20						20,000			2023	Individual units beginning to fail (100's), mass replacement
<b>Signal Systems</b>													
Telephone	replace system	2014	10							50,000		2024	
Security alarm/devices	monitoring system	2018	10	9,532								2028	replacement of analog cameras, blinds for alerts, hardening windows

**Brattleboro Union High School Sites Five Year Capital Plan**

Revision Date: 1/17/20 fr, rc **Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

BAMS/WRCC/BUHS	Reference	Installation Date	Expected Service Life (yrs.)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
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<b>Roof Systems</b>													
Roofing	Phase I, 1 acre	2004	20							474,870		2024	
Roofing	Phase II, 1 acre	2005	20								474,900	2025	
Roofing repair						20,000	20,000						high school multipurpose room, area by PTC, hallway connecting gymnasiums / skylight repair
<b>Exterior Wall Systems</b>													
Facade integrity									35,000			2023	
Brick Re-Pointing													
Doors		2003	20						35,000			2023	
Window systems	1951 Wing	1995	30								50,000	2025	FY21 address user use, retrofitting, add screens, 1951 wing priority
Green House Skin	upgrade controls	2003	20						20,000			2023	
<b>Interior Construction</b>													
Locker Room Upgrade		1957	67							100,000		2024	Middle school boys & girls, upgrade from 1957 original construction & HighSchool Boys & Girls address gender neutral standards
Renovation													
<b>Power Distribution</b>													
Wiring, conduits, &		2003	20						50,000			2023	Upgrade 600v, 480v switch gear
Electrical Transformers	WRCC/heating/HS	2003	30									2033	Review Backup Generator capacity for expanded power needs
<b>Athletic Fields &amp;</b>													
Tenny Field [baseball]	Grandstand	1940	80		13,542		50,000					2021	Estimated total restoration, by Stevens & assoc. = 183,047 [Nov. 2009] currently football, lacrosse are primary users, improvements needed to allow soccer, Admin working with Gale Assoc to review campus needs & best use and refine improvement plan
Natowich Field	resurface						125,000	125,000	125,500	125,500	125,500		
Natowich Field Lighting	upgrade	2017	10									2027	metal halide replacement project
Track Facility	resurface	2018	8	89,591								2026	Bid award to Copland [NY] scheduled for June 18, 2018, repair cracking
Tennis Courts	resurface	2018	7	17,463								2025	completed FY19, \$38k
Practice Field [east side]	resurface	2019	15		100,018							2034	Town of Brat, Planning Bd. passed Town review 8/29/18, start 11/2018, field use dormant 9/2018 to 8/2019. Interim Fort Dummer used. As of 11/3/18 Bellco low bid @ \$74,500. separate bid work to include irrigation for \$21k
Maintenance Shed	new construction	2020	50		70,907	324,100						2070	30 x 60 structure, east side of Tenney Field, includes electrical infrastructure from Grandstand, Town & State requires review of project re; act250/town plan (march 2019), site work begins May2019, All Seasons Construction low bid awarded

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<b>Vehicular Systems</b>													
Tractor Replacement	JohnDeer	2011	15									2026	Snow Removal, field maintenance
Tractor Replacement	ToolCat 5600	2017	5					40,000				2022	Field and Grounds Maintenance
Parking lots	bus loop south side	2005	15			20,000	20,000	25,000				2020	bid 5/8/18 by Johnson Asphalt, \$14,500 phase 1 to be completed by August 15, 2018, expensed in FY18, repeat over 3 years
<b>Specialties</b>													
Elevators	BUHS front entrance	1992	30					35,000				2022	Upgrade of unit installed 1992
Storage Capacity		2021	20				25,000					2041	Address assignment of inventory in TIC warehouse to new location
<b>Flooring</b>													
High School												0	
BAMS		2004				65,000						2020	BAMS gym needs synthetic rubber floor [7000 sqft. @ 8/ft], installed 2004
Gymnasium		2017	10									2027	Main gym wood refinishing
Food service/Kitchen	walkin freezer	2019	20		37,575							2039	walk-in freezer, Dompier base bid \$37,575, 5/25/18, meets Eff.VT incentive, install completed August 2018.
<b>Total Capital Expenditures</b>				<b>143,000</b>	<b>272,345</b>	<b>497,100</b>	<b>480,000</b>	<b>455,000</b>	<b>575,500</b>	<b>772,870</b>	<b>847,900</b>	<b>\$3,131,270</b>	
												<b>FY21-25</b>	

**Sources of Funds:**

Operating Budget-annual appropriation-net of other sources 1		643,082	272,344	-	-	-	360,495	772,870	1,500,000
General Fund Transfers to Capital Fund		-	200,000						
Long term Debt Financing 2		-							
Grant Sources/Interest 3		-	404						
Subtotal Sources		643,082	472,748	-	-	-	360,495	772,870	1,500,000
Variance (-reduces reserve/+increase reserve)	FY17	500,082	200,403	(497,100)	(480,000)	(455,000)	(215,005)	-	652,100
Projected Capital Reserve Fund Balance		946,620	1,446,702	1,647,105	1,150,005	670,005	215,005	-	652,100
		audited	audited	audited	estimated->				

**Brattleboro Town Schools Five Year Capital Plan**

Draft as of 1/16/2020 **Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

PreK - Grade 6	Reference	Date	Life Service	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Replacemen	Notes
<b>Green Street School</b>													construction
<b>Heating Systems</b>													
Boilers	Two (2) steam boilers	1979	40	\$920,249	\$4,643							2048	1978 oil fired - steam
Fuel tanks & distribution	10,000 gal	1995	30									n/a	been removed as part of the boiler project.
Piping												2048	This is brand new 2018
Valves												2048	This is brand new 2018
Control System		1990	25									2048	This is brand new 2018
<b>Fire Protection/Systems</b>													
Fire Panel Replacement								7000				2033	eliminated as recommended by BFD
<b>Mechanical Controls</b>													
Unit Ventilators		various										2048	Recently upgrades as part of 2018 boiler project.
Electronic controls												2028	Heating system upgrade installed 2018
HID fixtures													
Lighting panels/Systems		1996	24			\$35,000						2030	reduced to 9kwh/mo.
Emergency lighting												2030	
Exterior lighting												2030	Upgraded to LED in 2019
Occupancy controls												2030	Upgraded to LED in 2019
<b>Signal Systems</b>												0	
Telephone												0	Upgraded to 911 Compliance standards 2019
Fire alarms												0	Upgraded in 2016
Security alarm/devices												n/a	no security alarm at this time
<b>Roof Systems</b>													
Roofing	replacement	1997	25				\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	2020-2025	Five year project of replacing GSS Roof in sections
Skylight	reinstalled 1996	1996		\$17,493	\$22,835							2034	library area, bid award \$23.7k Reliable Roofing
Insulation												0	
Expansion/seismic joints												0	
Drains, gutters, etc.												0	as part of roofing project 5-yaer plan.
Flashing and trim												0	
Snow stops												0	
<b>Exterior Wall Systems</b>													
Facade integrity												0	
Brick Re-Pointing								\$10,000	\$10,000	\$10,000	\$10,000		Brick re-pointing, from bottom up.
Exterior Doors													Done- 2018
Window systems													
Louvers and screens												0	
Insulation												0	building during boiler project

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PreK - Grade 6	Reference	Date	Life Service	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Replacemen	Notes
Protective coating/Painting												0	
Ceiling system												0	
<b>Grounds</b>													
Retaining Wall				\$63,670			\$47,000					2069	House, incorporate garden improvement. Front of
Swings/Playground	playground structures	2015	20			\$20,000				\$30,000		2035	additional equipment
<b>Vehicular Systems</b>													
Parking lots		1995	25				\$0			\$10,000	\$10,000	2024	front entry , east side partking
Curbs / Sidewalks												0	
<b>Site Utilities</b>													
Storm drainage													measures to be addressed with roofing project
<b>Specialties</b>													
Library Ceiling		1996	24			\$15,000						2030	repair/replace. Tiles replaced with sheetrock 2020
Waste handling equipment												0	
Flooring					\$15,384	\$15,000		\$15,000	\$10,000	\$10,000			& Office [lawton 5/3/18 bid \$12k], FY20 4 student
Painting - interior	classrooms				\$1,012			\$10,000	\$10,000	\$10,000			discussion 5/15/18]
Outdoor instruction space					\$22,634							2044	use Title 7 grant funds to stay on budget
Renovate Second floor	work centers												student work centers
Renovate 2 Offices & Food service/Kitchen				\$4,588	\$23,916							2044	July 2018 per EF and MS 5/15/18 will stay on budget
<b>Green Street Total Capital Expenditures</b>				<b>\$1,006,000</b>	<b>\$90,424</b>	<b>\$85,000</b>	<b>\$104,000</b>	<b>\$85,000</b>	<b>\$80,000</b>	<b>\$120,000</b>	<b>\$70,000</b>		
<b>Less Amount Financed through Loans:</b>				<b>-\$350,000</b>									
<b>Less Amount funded through capital reserve:</b>				<b>-\$30,000</b>									
<b>Balance Appropriated in General Operating Fund</b>				<b>\$626,000</b>									
<b>Offset by Grant Revenues</b>				<b>-\$145,000</b>									
<b>Net Local Cost</b>				<b>\$481,000</b>									

Oak Grove School	Reference	Install Date	Expected Life S	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Repla	Construction
<b>Heating Systems</b>													
Boilers	Honeywell	2009	35									2044	Steam boiler
Fuel tanks & distribution	10,000 gal	1995	30									2025	underground 10,000 gal tank, double wall
Control System													
<b>Mechanical Controls</b>													
Unit Ventilators		various			\$4,471								
Electronic controls													upgrade
<b>Fire Protection/</b>													

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Fiscal Year Ending June 30 of each year

PreK - Grade 6	Reference	Date	Life Service	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Replacemen	Notes
Fire Panel Replacement	original install date 1996			49,657								2033	Replaced 2018
<b>Signal Systems</b>												0	
Telephone												0	
Fire alarms					\$5,761							0	
Security alarm/devices					\$1,415							0	
<b>Roof Systems</b>													
Roofing-phase 1	various	1991, 2007	30				\$50,000					2021	2007 (9280sf)
Roofing-phase 2	area 3,4,6				\$4,989								\$11./sqft, FY19 replace 1996 rubber, add 2"insulation,
Roofing phase 3	area 8					70000							rubber replacement + insullation, section 8
<b>Exterior Wall Systems</b>													
Brick Re-Pointing													
Window systems							\$50,000	\$50,000					lower windows with energy efficient windows and
<b>Grounds</b>													
Tree/shrub/flower bed													
Turf/lawn													
Field													
Swings/Playground					\$3,800								
<b>Vehicular Systems</b>													
Parking lots		1995	25									2020	Review
<b>Site Utilities</b>													
Storm drainage													
<b>Specialties</b>													
Interior Repair-K Room/other													First Floor Student Bathrooms
Bathroom Renovation													First Floor Student Bathrooms
Security Systems				\$9,060								2027	Security Camera System, completed july 2017
Food service/Kitchen													
<b>Oak Grove Total Capital Expenditures</b>				<b>\$58,717</b>	<b>\$20,436</b>	<b>\$70,000</b>	<b>\$100,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		

Academy School	Reference	Install Date	Expected Life	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term R	Construction
<b>Heating Systems</b>													
Boilers	Wood pellet -oil back-up	2015	25									2040	including design and site prep \$375,000)
Fuel tanks & distribution	10,000 gal	1995	30									2025	underground 10,000 gal tank, double wall
Control system	controls project	2015	15	\$8,290								2030	Total cost \$100,000 ( \$50,000 grant funded)
Duct System Cleaning	every 5 years				\$13,065					\$14,000		2029	Estimated cost per Ricky, Dec 2018, added 9/20/18 KD
Unit Ventilators		various											All are from the 1960's, parts are obsolete but working well. If replacements are needed, it's approx. \$10,000 per classroom

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Electronic controls													
<b>Fire Protection/</b>													
Fire Panel Replacement		2018	15	28,897								2033	Replaced 2018
<b>Signal Systems</b>												0	
Telephone												0	E-911 done spring 2019
Security alarm/devices												0	
<b>Roof Systems</b>													
Roofing	West wing	1988	32			\$130,450						2020	1988 10,230 sqft
Roofing	East wing	review	30				\$89,250					2021	Requesting evaluation, approx. 7,000 sqft
<b>Exterior Wall Systems</b>													
Brick Re-Pointing						\$5,000							
Window systems	fy' 21; 15 Classrooms			\$0		\$98,569	\$98,569	\$98,569					sqFt. Need new estimate for remaining 10 classrooms.
Renovation/Modular		2008		\$0	\$11,379	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	2018	\$1.4m, consider accomodating deaf and other
Handrails	2 hand rails						\$3,000						
Tractor garage							\$5,000						
Pitched roof	vandal stop						\$5,000						
<b>Grounds</b>													
Fields													
Mam Tractor	New tractor purchase	2015	15									2030	Tractor purchase for snow removal/salting
Athletic fields													
Swings/Playground	K-3 structure, swings			\$36,596		\$45,000						2028	recommendation
<b>Vehicular Systems</b>													
Parking lots													See Stevens Report
Curbs / Sidewalks													
Driveway	main drive&side alley						\$30,000						
<b>Site Utilities</b>													
Storm drainage													requirements but changes will be necessary. State of
<b>Specialties</b>													
Food service/Kitchen	walk-in cooler					\$5,000							
Cafeteria Tables	replace obsolete					\$55,000							Mason- Becky Dion.
LED lighting upgrade							\$25,000						in all classrooms- approx. \$900 per classroom
Carpet replacement	music,library						\$17,000						
Classroom countertops							\$12,000						asbestos before replacement in certain classrooms
Rock wall removal	Unsafe					\$2,000							
Gym Ceiling Replacement							\$40,000						to GSS Library.
<b>Academy Total Capital Expenditures</b>				<b>\$73,783</b>	<b>\$24,444</b>	<b>\$391,019</b>	<b>\$424,819</b>	<b>\$198,569</b>	<b>\$100,000</b>	<b>\$114,000</b>	<b>\$100,000</b>		



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<b>Other - Esteyville, Powers House and Canal Street</b>													Canal 9,064 sqft, 1935
	Reference	Install Date	Expected Life S	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term R	Esteyville 2,144 sqft, 1872
<b>Heating Systems</b>													
Boilers- Esteyville	Wood pellet & storage	2015	25									2040	Powers House 3,171 sqft, 1903 est.
Boiler -Canal Street	Boiler	1964	45					\$45,000				2009	Total cost \$36,000 (\$16,000 grant funded)
Boiler-Powers House	Boiler												Review due for replacement -verify
Fuel tanks & distribution	Estyville Oil Fuel tank	1983	30									2013	review oil boiler install date,
	Canal Street	1995	30									2025	Nov.2015
	Powers House												underground 5,000 gal tank, double wall- Canal St.
Control System													1, tank in garage, 1 tank in basement, @275 each
<b>Mechanical Controls</b>													
Unit Ventilators		various											
Electronic controls													
<b>Signal Systems</b>													
Telephone													0
Fire alarms													0
Security alarm/devices													0
<b>Roof Systems</b>													
Roofing	various	various											
Canal Street	slate	1996				\$10,000							See Knight Engineering Report needs to be updated
Esteyville	slate												tower section
Powers House	asphalt shingle	1996			\$0							2018	Review annual repair
<b>Exterior Wall Systems</b>													
Brick Re-Pointing													Summer 2018 FY19 Budget
Window systems													
<b>Grounds</b>													
Trees	Other Properties												Canal Stone façade
Retaining walls	Canal Street												Crowell lot -see plan
Turf/lawn													front and rear retaining walls
<b>Specialties</b>													
Food service/Kitchen													
<b>Other Buildings Total Capital Expenditures</b>				\$0	\$0	\$10,000	\$0	\$45,000	\$0	\$0	\$0		
<b>Total Brat.Town Schools Capital Plan Acquisitions</b>				<b>1,138,500</b>	<b>135,304</b>	<b>556,019</b>	<b>628,819</b>	<b>378,569</b>	<b>180,000</b>	<b>234,000</b>	<b>170,000</b>		<b>1,591,388</b>
Estimated Actual													
<b>Sources of Funds:</b>													
Operating Budget-annual appropriation-net of other sources				539,717	135,303	395,450	284,000	378,569	300,000	300,000			

**Brattleboro Town Schools Five Year Capital Plan**

Draft as of 1/16/2020 **Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

PreK - Grade 6	Reference	Date	Life Service	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Replacemen	Notes
General Fund Transfers to Capital Reserve Fund					346,698								
Long term Debt Financing				-			103,392						review, contingent upon Bond funded Project
Grant Sources/Interest				145,000	180								
Subtotal Sources				684,717	482,181	395,450	387,392	378,569	300,000	300,000			
Variance (-reduces reserve/+increase reserve)				(453,783)	346,877	(160,569)	(241,427)	-	120,000	66,000			
Projected Capital Reserve Fund Balance				55,119	401,996	241,427	0	0	120,000	186,000			
			audited	audited	audited	estimated->							

Notes:

audit-> 55,119 401,996

- 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
- FY19 Close, general fund transferred \$200k to CPF reserve, addition renovation project still in planning phase.

Dummerston School

Draft as of 1/21/20

Projects Subject to Board Approval

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
<b>PreK-Grade 8</b>													31,000 sqft, 1974 & 1994 additions
<b>Heating Systems</b>													
Boilers	Two (2) oil boilers	1978, 1994	35							\$275,000		2024	1978 oil fired - steam
Fuel tanks & distribution	4,000 gal	1995	30									2025	confirm install date
Piping												0	
Valves												0	
Control System	HVAC systems	2017	10	\$38,333								2027	Alliance Mechanical HVAC system upgrades, field controler
<b>Fire Protection/Systems</b>													
Fire Panel Replacement													
<b>Lighting</b>													
Unit Ventilators		various											
Electronic controls												2027	Alliance Mechanical HVAC system upgrades
HID fixtures													
Lighting panels/Systems	Gym lighting--LED conversion?											0	Review project cost with efficiency Vermont
Emergency lighting												0	
Exterior lighting												0	
Occupancy controls												0	
panels, Transformers												0	
<b>Signal Systems</b>												0	
Telephone												0	
Security alarm/devices	Camera system											0	JE reviewing camera security system improvement
<b>Roof Systems</b>													
Roofing	Seam repair						\$19,000					0	
Skylight												0	
Insulation												0	
Expansion/seismic joints												0	
Drains, gutters, etc.												0	
Flashing and trim												0	
Snow stops												0	
<b>Exterior Wall Systems</b>													
Facade integrity												0	
Brick Re-Pointing												0	
Exterior Doors												0	
Window systems												0	

**Dummerston School**

Draft as of 1/21/20

**Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
Louvers and screens												0	
Insulation												0	
Protective coating/Painting												0	
Ceiling system	Tiling in elementary wing											0	
<b>Grounds</b>													
Soccer Field Improvement													
Swings/Playground	playground structures: main playground swings, PreK climbing structures							\$35,000				0	Anticipate funding support from Community Groups
<b>Vehicular Systems</b>													
Parking lots	Entry Paving	2019	25	\$19,300	\$0							2044	front entry area, J Evans Construction
Curbs / Sidewalks												0	
<b>Site Utilities</b>													
Storm drainage													
<b>Specialties</b>													
Library Ceiling												0	
Waste handling equipment												0	
Flooring	asbestos abatement						\$2,000	\$4,500	\$4,500	\$4,500		0	phased replacement
Cafeteria Tables		2007	15					\$16,000				2022	replacement
PreK Renovation	cont. expansion in 2021	2020				\$20,000						2040	
Food service/Kitchen												0	
Bathrooms	replacement faucets stall partitions												
<b>Total Capital Plan Acquisitions</b>			40	<b>57,633</b>	-	<b>20,000</b>	<b>21,000</b>	<b>55,500</b>	<b>4,500</b>	<b>279,500</b>	-		<b>360,500</b>

Estimated Actual

5 year cumulative totals

**Sources of Funds:**

Operating Budget-annual appropriation-net of other sources	57,633		18,755	-	75,000	75,000	125,000	75,000
General Fund Transfers to Capital Fund	-			21,000				
Long term Debt Financing	-							
Grant Sources	-							
Subtotal Sources	57,633	-	18,755	21,000	75,000	75,000	125,000	75,000
Variance (-reduces reserve/+increase reserve)	-	-	(1,245)	-	19,500	70,500	#####	75,000
Projected Capital Reserve Fund Balance	1,245	1,245	-	-	19,500	90,000	(64,500)	10,500
	audited	audited	estimated->					

**Guilford School**

Draft as of 1/16/20

**Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Expected Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
<b>PreK-Grade 6</b>													
<b>Heating Systems</b>													
Boilers	Pellet & oil Backup	2018	30	\$253,625								2048	Froling Energy & Alliance Mechanical Controls
Fuel tanks & distribution	275 ga tank	2018	30									2048	Outside tank, Karosene
Piping		1958											
Valves		1958											
Control System	Energy project	2018	10									2028	Alliance Mechanical, Dynamic Integrations Design
<b>Fire Protection/Systems</b>													
Fire Panel Replacement													
<b>Mechanical Controls &amp; Lighting</b>													
Unit Ventilators	various	1958	55			\$21,000	\$21,000	\$21,000	\$21,000	\$21,000		2013	\$7keach
Electronic controls					\$27,397	\$12,000			\$15,000			2028	integrate with building management server
HID fixtures												0	
Lighting panels/Systems		1988										1988	
Emergency lighting		1988										1988	
Exterior lighting												0	
Occupancy controls												0	
panels, Transformers												0	
<b>Signal Systems</b>													
Telephone												0	
Fire alarms		June 1988										32295	
Security alarm/devices		before 1996											
<b>Roof Systems</b>													
Roofing	last time installed? Cafe, library and pitched roof were installed 1980-88	1988	33				\$60,000					2021	July 2020 project, details. Entire building was done in 06-07 except cafe, library, and 1988 pitched roof. 15 year warranty.
Skylight												0	
Insulation												0	insulation to bring R value to 50, Bring pitched roof to
Expansion/seismic joints												0	
Drains, gutters, etc.												0	
Flashing and trim												0	
Snow stops												0	
<b>Exterior Wall Systems</b>													
Facade integrity												0	

**Guilford School**

Draft as of 1/16/20

**Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Expected Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
Brick Re-Pointing												0	
Exterior Doors												0	
Window systems		1958	64					\$50,000	\$50,000			2022	provide location and # of units
Louvers and screens												0	
Insulation												0	
Protective coating/Painting												0	
Ceiling system												0	
<b>Grounds</b>													
Soccer Field Improvement													
Swings/Playground	playground structures											0	
<b>Vehicular Systems</b>													
Parking lots												0	front entry area
Curbs / Sidewalks												0	
<b>Site Utilities</b>													
Storm drainage													
<b>Specialties</b>													
Library Ceiling												0	
Waste handling equipment												0	
Flooring												0	Gym floor was installed 2010
PreK Renovation												20	
Food service/Kitchen												0	

<b>Total Capital Plan Acquisitions</b>				<b>253,625</b>	<b>27,397</b>	<b>33,000</b>	<b>81,000</b>	<b>71,000</b>	<b>86,000</b>	<b>21,000</b>	<b>-</b>		<b>259,000</b>
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Estimated Actual 5 year cumulative totals

**Sources of Funds:**

Operating Budget-annual appropriation-net of other sources	158,625	-		80,000	80,000	75,000	75,000
General Fund Transfers to Capital Fund		57,085					
Long term Debt Financing	-						
Grant Sources	95,000						
<b>Subtotal Sources</b>	<b>253,625</b>	<b>-</b>	<b>-</b>	<b>80,000</b>	<b>80,000</b>	<b>75,000</b>	<b>75,000</b>
Variance (-reduces reserve/+increase reserve)	-	(27,397)	(33,000)	9,000	(6,000)	54,000	75,000
<b>Projected Capital Reserve Fund Balance</b>	<b>84,312</b>	<b>56,915</b>	<b>23,915</b>	<b>9,000</b>	<b>3,000</b>	<b>57,000</b>	<b>132,000</b>
	audited	audited	estimated->				

Putney Central School

Draft as of 1/21/20 **Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Expected Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
<b>PreK-Grade 8</b>													
<b>Heating Systems</b>													
Boilers	Froling Pellet Boiler	2018	30		\$75,742							2048	replaced ACT boiler, upgraded controls
Fuel tanks & distribution												0	
Piping												0	
Valves												0	
Control System	Control Technologies	2018	10									2028	upgraded hvac controls concurrent with Froling boiler upgrade, see commissioning report Sept 2019
<b>Fire Protection/Systems</b>													
Fire Panel Replacement													
<b>Lighting</b>													
Unit Ventilators													
Electronic controls												2028	
HID fixtures													
Lighting panels/Systems												0	
Emergency lighting												0	
Exterior lighting												0	
Occupancy controls												0	
panels, Transformers													
<b>Signal Systems</b>													
Telephone		2019	8		\$5,050							2027	
Fire alarms												0	
Security alarm/devices												0	
<b>Roof Systems</b>													
Roofing	Section Replacements	2016	25	\$67,810		\$10,000	\$15,000			\$80,000		2041	Section replaced 2016, section replaced 2018, section 2020. Both "pod" and gym roofs will need replacing soon. Multiple, short-term repairs have been performed on both. Estimate \$50-75K for gym, \$25-35K for pod roof
Skylight												0	
Insulation												0	
Expansion/seismic joints												0	
Drains, gutters, etc.												0	
Flashing and trim						\$6,000						0	Sills in glass hallway area should be replaced asap. Significant degradation of the sill materials (PT wood?) is present. Estimate \$6K

Putney Central School

Draft as of 1/21/20 **Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Expected Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
Snow stops												0	
<b>Exterior Wall Systems</b>													
Facade integrity												0	
Brick Re-Pointing												0	
Exterior Doors						\$5,000	\$10,000					0	10 middle school doors should be replaced with insulated units that have smaller glass sections. Estimate \$1000 each. Double doors into gym (2) should be replaced with more energy-efficient units. Estimate \$2500 each.
Window systems												0	
Louvers and screens												0	
Insulation												0	
Protective coating/Painting						\$5,000						0	
Ceiling system												0	
<b>Grounds</b>													
Soccer Field Improvement		2020	10			\$5,000						2030	
Swings/Playground	playground structures								\$50,000			0	Playground needs upgrade. Borders need replacement. Estimate \$25K+ for border work; additional \$25K-? for playground equipment. Both PK and K-5 playgrounds require permanent, structural shaded areas. Estimate \$5K each.
<b>Vehicular Systems</b>													
Parking lots		2020	12			\$5,000	\$5,000					2032	front entry area
Curbs / Sidewalks												0	
<b>Site Utilities</b>													
Storm drainage													
<b>Specialties</b>													
Library Ceiling												0	
Waste handling equipment												0	
Flooring												0	
Painting - interior	classrooms					\$5,000						0	
Bathroom					\$4,104								
Forest Conservation					\$15,000								
PreK Renovation													
Food service/Kitchen		2019	20		\$26,922							2039	Walkin Freezer & Shed

<b>Total Capital Plan Acquisitions [General &amp; Capitla Funds]</b>				<b>67,810</b>	<b>126,818</b>	<b>41,000</b>	<b>30,000</b>	<b>-</b>	<b>50,000</b>	<b>80,000</b>	<b>-</b>		<b>160,000</b>
Estimated Actual					126,818								5 year cumulative totals FY20-24



**Putney Central School**

Draft as of 1/21/20

**Projects Subject to Board Approval**

Fiscal Year Ending June 30 of each year

	Reference	Install Date	Expected Life Service (yrs)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Long Term Replacement Date	Notes
<b>Sources of Funds:</b>													
Operating Budget-annual appropriation-net of other sources 1				-	16,848	-		50,000	50,000	50,000	50,000		
General Fund Transfers to Capital Fund						31,003	30,000						
Long term Debt Financing				-	401								
Grant & Interest Sources				321	26,922								
Subtotal Sources				321	44,171	31,003	30,000	50,000	50,000	50,000	50,000		
Variance (-reduces reserve/+increase reserve)	FY17			(67,489)	(82,647)	(9,997)	-	50,000	-	(30,000)	50,000		
Projected Capital Reserve Fund Balance	160,133			92,644	9,997	-	-	50,000	50,000	20,000	70,000		
	audited			audited	audited	estimated->							