

RSU No. 5
Durham - Freeport - Pownal

Capital / Facility Plan

December 2009

revised 10-13-10

revised 10-12-11

Proposed Capital

Item Descriptions

Current Debt Maturity Schedule

Energy efficiencies

RSU No. 5 - Capital Plan 2013-2017	RSU No. 5 - Capital Plan 2013-2017	Proposed New Capital	Existing Capital Debt Service (Excluding State)	Existing Bus Payments	Total Capital Debt Service	Budget Impact
2012-2013 (FY 13)	2012-2013					
	Item 1 Buses (2) 78 Passenger (Funded through retired bus debt)	\$0				
	Item 2 Morse Street Resurface Bus Access Road	\$25,000				
	Item 3 Mast Landing Carpet Replacement	\$88,000				
	Item 4 Pownal Carpet Replacement	\$22,000				
	Item 5 Kitchen Equipment (High school & Morse St dishwashers)	\$29,605				
	Item 6 Kitchen Equipment (Pownal Freezer)	\$10,000				
	Item 7 Middle School Boiler Plant	\$180,000				
	Item 8 Morse Street Tile Replacement Lobby	\$11,000				
	Item 9 Morse Street Clocks	\$10,000				
	Item 10 Capital Reserve Account	\$24,395				
		\$400,000	\$409,649	\$54,092	\$863,741	\$40,717
2013-2014 (FY 14)	2013-2014					
	Item 1 Bus (1) 78 Passenger	\$27,500				
	Item 2 Pick-up Truck	\$30,000				
	Item 3 Middle School Re-pave Access Road	\$75,000				
	Item 4 Morse Street Floor D Wing	\$25,000				
	Item 5 Athletic Fields Upgrade	\$100,000				
	Item 6 Athletic Fields Lights	\$100,000				
	Item 7 High School Bathrooms 100&300 wings	\$39,500				
	Item 8 Capital Reserves	\$3,000				
		\$400,000	\$394,483	\$108,184	\$902,667	\$38,926
2014-2015 (FY 15)	2014-2015					
	Item 1 Bus (1) 78 Passenger (funded through retired bus debt)	\$0				
	Item 2 High School Roof Replacement 100,200 & 300 wings	\$250,000				
	Item 3 Pownal Main Hall Carpet	\$25,000				
	Item 4 Central Office Carpet (upstairs)	\$10,000				
	Item 5 Field Maintenance Tractor	\$33,000				
	Item 6 Kitchen Equipment HS Steam Table	\$16,000				
	Item 7 Mast Landing Resurface Parking Lot	50000				
	Item 8 Capital Reserves	\$16,000				
		\$400,000	\$383,220	\$81,592	\$864,812	-\$37,855

2015-2016 (FY 16)	2015-2016					
	Item 1 Bus (1) 78 Passenger (funded through retired bus debt)	\$0				
	Item 2 High School Security System upgrade	\$15,000				
	Item 3 Middle School Roof Repairs (Gym)	\$50,000				
	Item 4 Morse Street Roof Repair (Gym)	\$50,000				
	Item 5 Middle School Elevator Upgrade	\$35,000				
	Item 6 High School Elevator Upgrade	\$35,000				
	Item 7 High School Fire Alarm Upgrade	\$15,000				
	Item 8 Mast Landing Security Upgrade	\$15,000				
	Item 9 Middle & Mast Landing Outside Lighting Upgrade	\$10,000				
	Item 10 Pownal Paving	\$60,000				
	Item 11 High School Air Handler	\$50,000				
	Item 12 High School Carpet Main Hall Classrooms	\$15,000				
	Item 13 Kitchen Equipment Mast Landing Dishwasher	\$15,000				
	Item 14 Mast Landing Fire Protection	\$15,000				
	Capital Reserves	\$20,000				
		\$400,000	\$371,789	\$55,000	\$826,789	-\$38,023
2016-2017 (FY 17)	2016-2017					
	Item 1 Bus (1) 78 Passenger (funded through retired bus debt)	\$0				
	Item 2 Vans (2) Replacement	\$60,000				
	Item 3 Parking Lot Sander	\$8,000				
	Item 4 Pownal Septic System	\$25,000				
	Item 5 Middle School Fire alarm Upgrades	\$15,000				
	Item 6 Morse St Carpet C Wing	\$20,000				
	Item 7 Morse St Security Alarm Upgrade	\$15,000				
	Item 8 Middle School Security Alarm Upgrades	\$15,000				
	Item 9 Pownal Well & Tanks	\$35,000				
	Item 10 Central Office Carpet Business Office	\$8,000				
	Item 11 Middle School Carpet Library & Office	\$12,000				
	Item 12 Central Office Roof Main Building	\$15,000				
	Item 13 Morse Street Carpet A & B Wings	\$30,000				
	Item 14 Capital Reserves	\$142,000				
		\$400,000	\$360,133	\$55,000	\$815,133	-\$11,656

Capital Budget Request
2012-2013

Item 1

Buses Two 78 Passenger

Proposal:

Replacement of two International School Buses. These buses are fifteen years old and well above the ten year 150,000 mile replacement schedule recommended by the State Department of Education.

Justification:

We propose to purchase two 78 passenger buses to replace bus 21 and bus 5 and move these buses to the spare list. As part of the management of our fleet bus 35 and bus 38 will be removed from service and sold due to the year and condition of these buses.

Expected Benefits:

Improvements to the fleet for these route buses and removal of an older units increasing dependability for sports trips, which travel further distances

Consequences if not approved:

Continued use of older equipment and higher repair costs

Budget:

Cost associated to purchase \$52,000.00 (1st payment of 3 year lease purchase) funded through retired bus debt

Current fleet

Bus 20- 2000 Blue Bird
Bus 21- 2001 International
Bus 22- 2001 international
Bus 23- 2003 Freightliner
Bus 24- 2004 Thomas
Bus 25- 2005 Thomas
Bus 26- 2006 Thomas
Bus 27- 2009 International
Bus 28- 2010 International
Bus 29- 2010 International (Durham)
Bus 30-2012 International
Bus 31 2012 International
Bus 5 - 2000 international (Pownal)
Bus 35- 1993 International
Bus 37- 1996 International
Bus 38- 1998 International

Item 2

Morse St Repave Bus Access Road

Proposal:

To repave bus access road from Morse Street to intersection of Cross St.

Justification:

Pavement in this area is largely broken up with areas of pavement that have sunken in to form large puddles there are tripping hazards throughout this roadway

Expected Benefits:

Smoother safer bus road for traffic and students

Consequences if not approved:

Continued problems with snow removal and deteriorating of pavement in this area continued tripping hazards

Budget:

Cost associated with this project \$25,000

Item 3

Mast Landing Carpet Replacement

Proposal:

To replace the carpet throughout this school on upper and lower levels

Justification:

The carpet in this school is deteriorating to the point where the backing has come loose from the carpet causing ripples and tears throughout the building. Many areas have been taped to prevent increased tearing

Expected Benefits:

With the current amount of rippling in this carpet it is becoming a tripping hazard, replacement now would eliminate these hazards and greatly improve the appearance of this building

Consequences if not approved:

Continued ripping and tearing of this carpet, increase chance of injury due to trips and falls

Budget:

Cost associated with this project \$88,000

Item 4

Pownal Carpet Replacement

Proposal:

To replace carpet in classroom areas

Justification:

The carpet in the classroom areas of this building are failing at the seams and pulls have developed in most rooms tape has been used to increase the life cycle of this carpet but it is now at the end of useful life

Expected Benefits:

New flooring will greatly improve the appearance of this school

Consequences if not approved:

Continued tearing and tripping hazards from these seam failures

Budget:

Cost associated with this project \$22,000

Item 5

Kitchen Equipment High School & Morse St. Dishwashers

Proposal:

To replace dishwashers at the High School and Morse St. School

Justification:

Dishwashers at both schools are at the end of their life cycle of 25 years

Expected Benefits:

Continued updating of kitchen equipment to improve food services, cost savings through more efficient units

Consequences if not approved:

Increased maintenance costs to this equipment

Budget:

Cost associated with this project \$29,605

Item 6

Kitchen Equipment Pownal Freezer

Proposal:

To replace the reach in freezer at Pownal Elementary School

Justification:

Reports from the service professionals indicate that the compressor is at the end of its life cycle

Expected Benefits:

Reliable equipment to store food cost savings through more efficient unit

Consequences if not approved:

Possible loss of products due to freezer failure

Budget:

Cost associated with this project \$10,000

Item 7

Middle School Boiler Replacement

Proposal:

To replace 10 Hydrotherm Boilers to two burderus high efficient boilers

Justification:

These ten boilers are at the end of their life cycle, two of the units have failed and are currently out of service, parts to repair these units are hard to locate and are expensive. With the availability of natural gas it makes sense to replace these units with newer more efficient boilers.

Expected Benefits:

Reduced energy costs. Better heating environment within the school building (payback through natural gas conversion)

Consequences if not approved:

Continued failure of remaining units could lead to insufficient heating abilities

Budget:

Cost associated with this project \$180,000

Item 8

Morse Street Tile Replacement Lobby Area

Proposal:

To replace the floor tile in lobby area extending into wing D hallway

Justification:

With the improvements to the main office area this older floor really shows it's age against the newer construction

Expected Benefits:

Cleaner more inviting environment for this K to 2 school

Consequences if not approved:

Continued worn appearance of our oldest school building

Budget:

Cost associated with this project \$11,000

Item 9

Morse Street Clock Replacement

Proposal:

To replace the master clock system with a new wireless clock system

Justification:

The master clock system in this building is not reliable and often is in need of repairs, many of the clocks in this building have been converted to battery operation. Battery clocks and master clocks do not synchronize causing problems to the schedules at this building

Expected Benefits:

Entire building on the same schedule allowing all teachers and students to be on time for different classes

Consequences if not approved:

Continued time keeping problems with daily schedules

Budget:

Cost associated with this project \$10,000

RSU No.5
Durham-Freeport-Pownal
Debt to Maturity

Shared Debt

	2009 Durham Community (State Participating)		2001 Central Office		2002 Freeport High School		2008 FHS - Heating		2008 FHS - Lighting	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2011-2012	886,469.00	538,878.96	11,250.00	6,254.75	210,000.00	112,385.63	60,000.00	10,725.00	4,080.00	178.50
2012-2013	886,469.00	519,775.55	12,500.00	5,265.75	220,000.00	103,666.88	55,000.00	9,075.00	4,080.00	61.00
2013-2014	886,469.00	500,672.15	12,500.00	4,750.00	220,000.00	94,807.50	55,000.00	7,425.00		
2104-2015	886,467.00	482,277.94	12,500.00	4,250.00	220,000.00	85,695.00	55,000.00	5,775.00		
2015-2016	886,467.00	463,883.75	12,500.00	3,750.00	220,000.00	76,413.75	55,000.00	4,125.00		
2016-2017	886,467.00	445,489.56	12,500.00	3,250.00	220,000.00	66,907.50	55,000.00	2,475.00		
2017-2018	886,467.00	427,095.37	12,500.00	2,687.50	220,000.00	57,120.00	55,000.00	825.00		
2018-2019	886,467.00	405,567.52	12,500.00	2,062.50	220,000.00	47,107.50				
2109-2020	886,467.00	384,039.67	12,500.00	1,437.35	220,000.00	36,870.00				
2020-2021	886,467.00	353,762.39	11,250.00	843.75	220,000.00	26,407.50				
2021-2022	886,467.00	307,971.93	11,250.00	281.25	220,000.00	15,895.00				
2022-2023	886,467.00	274,064.57			215,000.00	5,335.00				
2023-2024	886,467.00	242,732.40								
2024-2025	886,467.00	211,400.22								
2025-2026	886,467.00	183,152.95								
2026-2027	886,467.00	149,985.79								
2027-2028	886,467.00	116,105.02								
2028-2029	886,467.00	72,880.89								
2029-2030	886,467.00	24,710.27								
Totals	16,842,879.00	6,104,446.90	133,750.00	34,832.85	2,625,000.00	728,611.26	390,000.00	40,425.00	8,160.00	239.50

RSU No.5
Durham-Freeport-Pownal
Debt to Maturity

Shared Debt

	Total			Total (Excluding State Participating)			Difference from Previous Year	Existing Bus Leases		
	Principal	Interest	Total P & I	Principal	Interest	Total P & I		Principal	Interest	Total P & I
2011-2012	1,171,799.00	668,422.84	1,840,221.84	285,330.00	129,543.88	414,873.88	(103,439.50)	104,319.38	1,507.62	105,827.00
2012-2013	1,178,049.00	637,844.18	1,815,893.18	291,580.00	118,068.63	409,648.63	(5,225.25)	51,265.84	2,826.16	54,092.00
2013-2014	1,173,969.00	607,654.65	1,781,623.65	287,500.00	106,982.50	394,482.50	(15,166.13)	52,642.16	1,449.84	54,092.00
2104-2015	1,173,967.00	577,997.94	1,751,964.94	287,500.00	95,720.00	383,220.00	(11,262.50)			
2015-2016	1,173,967.00	548,172.50	1,722,139.50	287,500.00	84,288.75	371,788.75	(11,431.25)			
2016-2017	1,173,967.00	518,122.06	1,692,089.06	287,500.00	72,632.50	360,132.50	(11,656.25)			
2017-2018	1,173,967.00	487,727.87	1,661,694.87	287,500.00	60,632.50	348,132.50	(12,000.00)			
2018-2019	1,118,967.00	454,737.52	1,573,704.52	232,500.00	49,170.00	281,670.00	(66,462.50)			
2109-2020	1,118,967.00	422,347.02	1,541,314.02	232,500.00	38,307.35	270,807.35	(10,862.65)			
2020-2021	1,117,717.00	381,013.64	1,498,730.64	231,250.00	27,251.25	258,501.25	(12,306.10)			
2021-2022	1,117,717.00	324,148.18	1,441,865.18	231,250.00	16,176.25	247,426.25	(11,075.00)			
2022-2023	1,101,467.00	279,399.57	1,380,866.57	215,000.00	5,335.00	220,335.00	(27,091.25)			
2023-2024	886,467.00	242,732.40	1,129,199.40				(220,335.00)			
2024-2025	886,467.00	211,400.22	1,097,867.22							
2025-2026	886,467.00	183,152.95	1,069,619.95							
2026-2027	886,467.00	149,985.79	1,036,452.79							
2027-2028	886,467.00	116,105.02	1,002,572.02							
2028-2029	886,467.00	72,880.89	959,347.89							
2029-2030	886,467.00	24,710.27	911,177.27							
Totals	19,999,789.00	6,908,555.51	26,908,344.51	3,156,910.00	804,108.61	3,961,018.61		208,227.38	5,783.62	214,011.00

RSU No. 5
Durham - Freeport - Pownal
Debt to Maturity

Non- Shared Debt	1998-2008 Freeport CIP		2001 Freeport Middle School Reno		2003 Durham Roof		2008 Freeport Lighting		2008 Freeport Middle School Siding (State Revolving Reno Funds)	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2011-2012	32,804.73	1,886.46	144,431.82	66,968.51	40,000.00	11,659.00	10,920.00	477.75	52,432.94	
2012-2013	15,459.29	266.67	147,954.55	55,562.22	40,000.00	10,252.80	10,920.00	164.00	52,432.94	
2013-2014			147,954.55	49,459.09	40,000.00	8,801.60				
2104-2015			147,954.55	43,540.91	40,000.00	7,310.40				
2015-2016			147,954.55	37,622.73	40,000.00	5,764.20				
2016-2017			144,431.82	31,775.00	40,000.00	4,158.00				
2017-2018			144,431.82	25,275.57	40,000.00	2,516.80				
2018-2019			144,431.82	18,053.98	40,000.00	845.60				
2109-2020			144,431.82	10,832.39						
2020-2021			144,431.82	3,610.80						
2021-2022										
2022-2023										
2023-2024										
2024-2025										
2025-2026										
2026-2027										
2027-2028										
2028-2029										
2029-2030										
Totals	48,264.02	2,153.13	1,458,409.12	342,701.20	320,000.00	51,308.40	21,840.00	641.75	104,865.88	-

RSU No. 5
Durham - Freeport - Pownal
Debt to Maturity

Non- Shared Deb	2009 Durham Community		Freeport Total		Difference from Previous Year Total P & I	Durham Total		Difference from Previous Year Total P & I		
	Principal	Interest	Principal	Interest		Principal	Interest			
2011-2012	108,834.00	66,160.20	240,589.49	69,332.72	309,922.21	(25,968.93)	148,834.00	77,819.20	226,653.20	(4,275.36)
2012-2013	108,834.00	63,814.82	226,766.78	55,992.89	282,759.67	(27,162.54)	148,834.00	74,067.62	222,901.62	(3,751.58)
2013-2014	108,834.00	61,469.45	147,954.55	49,459.09	197,413.64	(85,346.03)	148,834.00	70,271.05	219,105.05	(3,796.57)
2104-2015	108,835.00	59,211.14	147,954.55	43,540.91	191,495.46	(5,918.18)	148,835.00	66,521.54	215,356.54	(3,748.51)
2015-2016	108,835.00	56,952.81	147,954.55	37,622.73	185,577.28	(5,918.18)	148,835.00	62,717.01	211,552.01	(3,804.53)
2016-2017	108,835.00	54,694.48	144,431.82	31,775.00	176,206.82	(9,370.46)	148,835.00	58,852.48	207,687.48	(3,864.53)
2017-2018	108,835.00	52,436.16	144,431.82	25,275.57	169,707.39	(6,499.43)	148,835.00	54,952.96	203,787.96	(3,899.52)
2018-2019	108,835.00	49,793.10	144,431.82	18,053.98	162,485.80	(7,221.59)	148,835.00	50,638.70	199,473.70	(4,314.26)
2109-2020	108,835.00	47,150.04	144,431.82	10,832.39	155,264.21	(7,221.59)	108,835.00	47,150.04	155,985.04	(43,488.66)
2020-2021	108,835.00	43,432.78	144,431.82	3,610.80	148,042.62	(7,221.59)	108,835.00	43,432.78	152,267.78	(3,717.26)
2021-2022	108,835.00	37,810.91					108,835.00	37,810.91	146,645.91	(5,621.87)
2022-2023	108,835.00	33,647.97					108,835.00	33,647.97	142,482.97	(4,162.94)
2023-2024	108,835.00	29,801.19					108,835.00	29,801.19	138,636.19	(3,846.78)
2024-2025	108,835.00	25,954.42					108,835.00	25,954.42	134,789.42	(3,846.77)
2025-2026	108,835.00	22,486.40					108,835.00	22,486.40	131,321.40	(3,468.02)
2026-2027	108,835.00	18,414.34					108,835.00	18,414.34	127,249.34	(4,072.06)
2027-2028	108,835.00	14,254.66					108,835.00	14,254.66	123,089.66	(4,159.68)
2028-2029	108,835.00	8,947.87					108,835.00	8,947.87	117,782.87	(5,306.79)
2029-2030	108,835.00	3,033.78					108,835.00	3,033.78	111,868.78	(5,914.09)
Totals	2,067,862.00	749,466.52	1,633,379.02	345,496.08	1,978,875.10		2,387,862.00	800,774.92	3,188,636.92	

Goal 5. Explore and implement a range of strategies to support Energy Efficiencies and cost savings. This initiative is as important to the district financially as it is educationally. This effort will enable us to research ways to reduce our budgets in all areas while we demonstrate effective use of sustainable resources for our students.

Energy Efficiencies- Completed

High School

Energy Management System – 2008
Boiler upgrade with efficient burner controls “AutoFlame”-2008
Frequency drives on all circulator pumps –2008
Merv 14 filtration -2008
New unit-ventilators -2008
Bypass valves all unit-ventilators -2008
Occupancy sensors in classrooms -2008
Co2 sensors in classrooms -2008
Lighting upgrade-school wide -2008
Re-roofing with added insulation -2009
Exhaust air controls -2008
Re-roof art area with added insulation -2005
Re-roof gym with added insulation -2011
Natural Gas conversion -2010

Middle School

Earned Energy Star Rating -2007
Energy management system -2007
Bypass valves at air intake coils to 24 volt controls -2007
Removal of old pneumatics -2007
Added insulation older section of building-2008
Added insulation on pitched roof to R-40 -2008
Lighting upgrades school wide -2007

Mast Landing School

Energy management system -2008
Lighting up-grades school wide -2007
Occupancy sensors -2007
Natural Gas -2011

Morse Street School

Re-roof with added insulation -2006
Limited energy management but existing controls calibrated-2005
Lighting up-grade school wide -2007
Replaced Electric water heater-2010
Natural Gas-2011

Pownal Elementary School

Added insulation in attic -2005
Enclosed front entry -2010
Upgrade Gym Lighting -2010
Natural Gas -2011

District Wide

Continued use of recycled equipment – ongoing
(Lighting, ceiling tiles, furniture, etc)

Efficiencies Planned for 2012-13

Middle School

Conversion to natural gas, this conversion will include a complete boiler plant upgrade and save over 45,000 per year by switching to natural gas. Payback for this project is 3.94 years.

Kitchen equipment:

Replacement of aging equipment at the High School, Pownal Elementary School and Morse Street School will reduce energy cost by replacing this equipment with new energy efficient units.