

## FACILITY STUDY PROCESS





Develop Options Recommendations

### INFORMATION GATHERING & ANALYSIS

- EDUCATIONAL PROGRAM
- EXISTING BUILDING CAPACITIES
- EDUCATIONAL & FUNCTIONAL DEFICIENCIES
- PROJECTED ENROLLMENT
- EXISTING FACILITY CONDITIONS
- COST TO UPGRADE TO CURRENT STANDARDS

## GOALS & OBJECTIVES

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- Provide equity among elementary grade students.
- Improve the existing facility infrastructure at Loyalsock Valley Elementary School and Lyter Elementary School.
- Improve the efficiency and consistency of resources and continuity of educational delivery.
- Provide 21<sup>st</sup> Century educational spaces and experiences at the Middle School and Elementary Schools that reflect the curriculum.
- Address safety and security concerns at Loyalsock Valley Elementary School
- Provide air conditioning at all schools.
- Develop fiscally responsible solutions that address costs of capital projects, transportation, staffing, and operations.

## EXISTING BUILDING CAPACITY

### Loyalsock Valley Elementary School

	LOYALSOCK VALLEY ELEMENTARY SCHOOL		
	No. of Rooms	PDE Unit FTE Cap	Sub-Total
Standard Classrooms	13	25	325
Unassigned Classrooms		25	0
Science Classrooms		25	0
Learning Support Classrooms	1		
Learning Support Small Group Intruction			
Special Education Classrooms	1		
Small Group Instruction	1		
Reading Support	1		
Computer Labs	1		
Music Classrooms	1		
Art Classrooms	1		
STEM Classroom			
Large Group Instruction			
Library	1		
Auditorium			
Gymnasium			
Cafeteria			
Multi-Purpose Room	1		
PDE Building Capacity:			325
Functional Building Capacity:		90%	293
Total 2019-20 Enrollment:			257

## Lyter Elementary School

	LYTER ELEMENTARY SCHOOL		
	No. of Rooms	PDE Unit FTE Cap	Sub-Total
Standard Classrooms	21	25	525
Unassigned Classrooms	2	25	50
Science Classrooms		25	0
Learning Support Classrooms	1		
Learning Support Small Group Intruction			
Special Education Classrooms	1		
Small Group Instruction	3		
Reading Support	1		
Computer Labs	2		
Music Classrooms	1		
Art Classrooms	1		
STEM Classroom			
Large Group Instruction			
Library	1		
Auditorium			
Gymnasium			
Cafeteria			
Multi-Purpose Room	1		
PDE Building Capacity:			575
Functional Buildin	g Capacity:	90%	518
Total 2019-20 Enrollment:			440

### C.E. McCall Middle School

	C.E. MCCALL MIDDLE SCHOOL		
Types of Educational Spaces	No. of Rooms	PDE Unit FTE Cap	Sub-Total
Standard Classrooms	23	25	575
Learning Support Classroom	2		0
Learning Support Small Group Instruction	2		0
Special Education Classroom	3		0
Computer Labs		20	0
STEM Classrooms	2	25	50
Science Classrooms	2	25	50
Science Labs	1	20	20
Large Group Instruction			0
Small Group Instruction			0
Business Classroom		25	0
Business Labs		20	0
Art Classrooms	2	20	40
Music Classroom	1	25	25
Band Room		25	0
Orchestra Room	1	25	25
Choral Room		25	0
Family Consumer Science Room	1	20	20
Tech Ed / CTE Lab	2	20	40
Library	1		0
Gymnasium	1	66	66
Auxiliary Gymnasium	1	33	33
Weight/Fitness Room	1		0
Wrestling Room	2		0
Cafeteria	1		0
PDE Building Capacity:			944
Functional Buildin	g Capacity:	85%	802
Total 2019-20 E		643	

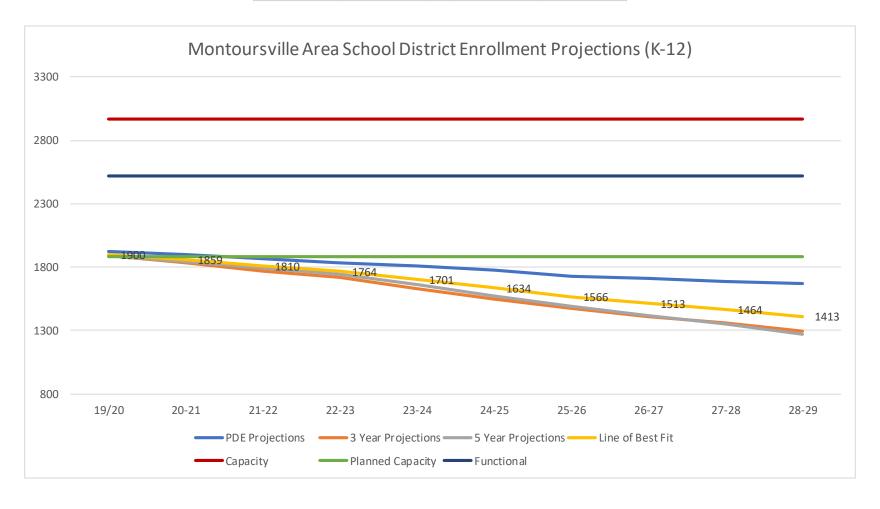
## Montoursville Area High School

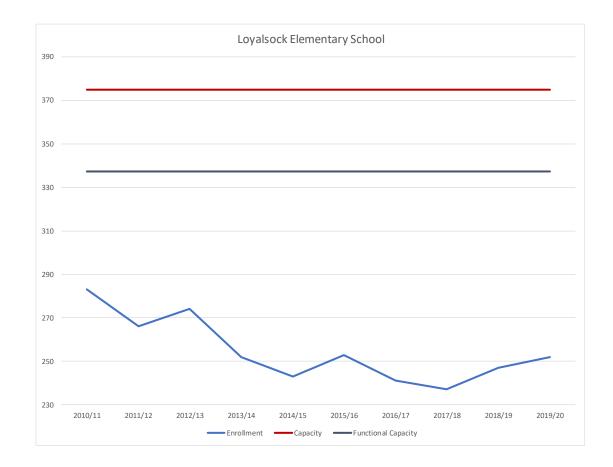
	MONTOURSVILLE AREA HIGH SCHOO		
Types of Educational Spaces	No. of Rooms	PDE Unit FTE Cap	Sub-Total
Standard Classrooms	23	25	575
Learning Support Classroom	23	23	373
Learning Support Small Group Instruction	6		
Special Education Classroom	5		
Special Education Small Group Instruction			
Computer Labs	4	20	80
STEM Classrooms		25	0
Science Classrooms		25	0
Science Labs	7	20	140
Large Group Instruction	1		
Small Group Instruction			
Business Classroom		25	0
Business Labs	1	20	20
Art Classrooms	2	20	40
Music Classroom	1	25	25
Band Room	1	25	25
Orchestra Room		25	0
Choral Room	1	25	25
Family Consumer Science Room		20	0
Tech Ed / CTE Lab	3	20	60
Library	1		
Gymnasium	1	132	132
Auxiliary Gymnasium	1	33	33
Weight/Fitness Room	2		
Wrestling Room			
Cafeteria	1		
PDE Buildir	g Capacity:		1155
Functional Buildir		80%	924
Total 2019-20 I	Enrollment:		610

# PROJECTED ENROLLMENT

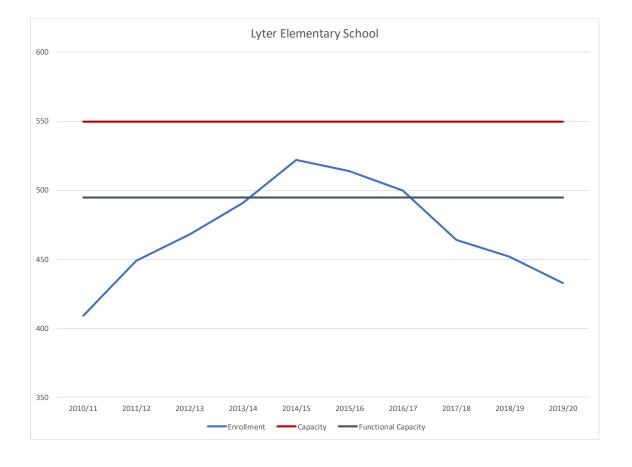
### **Enrollment Projections**

Three Year Growth Rates		Five Year Growth Ra		
K	-3.42%	K	-5.90%	
K-4	-2.68%	K-4	-2.23%	
5-8	-2.41%	5-8	-0.43%	
9-12	-1.56%	9-12	-1.39%	
K-12	-2.21%	K-12	-1.37%	

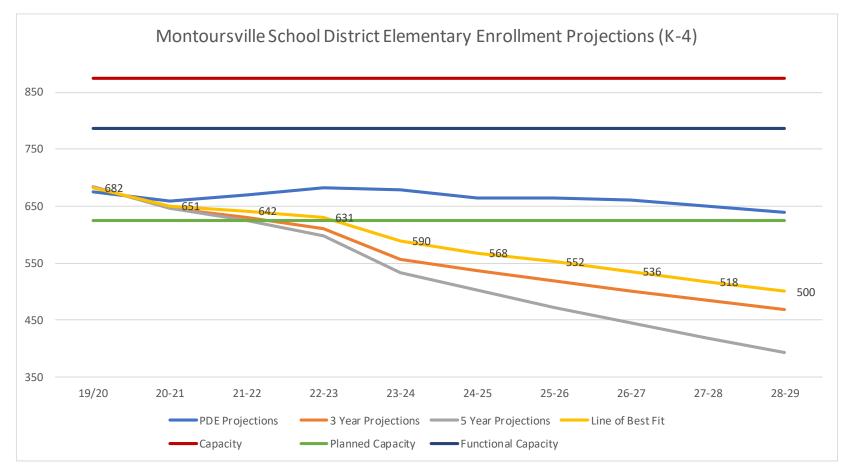




### **Enrollment Projections**



#### **Enrollment Projections**

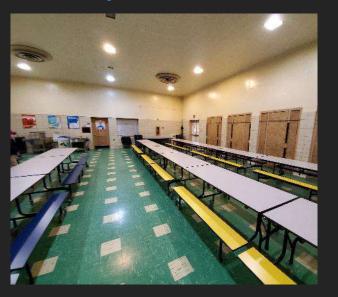


- Enrollment declining at a rate of 1.37% to 2.21% annually
- Planned capacity = projected enrollment (5 year) plus 10%
- Enrollment projections past 5 year not reliable

## EDUCATIONAL & FUNCTIONAL DEFICIENCIES

### Loyalsock Valley Elementary School

- STEM Lab
- Proper Classroom Storage
- Adequate sized Library
- Separate Gymnasium
- Adequate sized kitchen
- Secure vestibule entry
- Adequate space for Administration & Nurse
- Office/Small Group Instruction
- Conference Room
- Sensory Room
- Building Storage
- Separate Bus Loop and Parent Drop-off
- Playground enclosure fence









### Lyter Elementary School

- STEM Lab
- Office/Small Group Instruction
- Conference Rooms
- Sensory Room
- Building Storage
- On site Parent Drop-off
- Playground enclosure fence





#### C.E. McCall Middle School

- Large Group Instruction Room
- Choral Classroom
- 21<sup>st</sup> Century Library
- Poor site vehicular circulation
- Outdoor learning space





### Montoursville Area High School

- Quantity of Student Lockers
- Parking



#### District Administrative Offices

- Additional Offices
- Secure Vestibule
- Records Storage
- Public waiting & toilets
- Parking



## EXISTING FACILITY CONDITIONS

### District Facilities

	Original Date of Construction	Most Recent Renovation/Add.	Years since last Renovation/Add.
Loyalsock Valley Elem. School	1961	1983	37
Lyter Elementary School	1958	1998	22
C.E. McCall Middle School	1972	2010	10
Montoursville Area High School	1931	2017	3

## Resurface paving

- Loyalsock Valley Elementary School
- Replace exterior & interior doors
- Address humidity issues
- Replace majority of finishes
- Renovate toilet rooms
- Replace classroom casework
- Replace food service equipment
- Abate asbestos materials (floor tile)











#### Loyalsock Valley Elementary School

- Replace entire HVAC system
- Replace plumbing piping system
- Replace plumbing fixtures
- Replace power and emergency power system
- Provide LED lighting (partial)
- Replace PA, Clock, & Bell systems
- Replace fire alarm system











- Replace playground equipment
- Replace exterior windows
- Minor finish replacement (carpet, kit. ceiling, plaster)
- Replace original doors & frames
- Replace door hardware throughout
- Renovate non-ADA compliant toilet rooms
- Replace walk-in cooler & freezer











- Replace HVAC temperature controls
- Provide air conditioning
  - -Replace Gym & Library air handling units
  - -Replace classroom unit ventilators
  - -Upgrade electrical service
- Replace hot water boilers
- Replace toilet room exhaust fans
- Replace cast iron storm piping
- Replace original plumbing fixtures
- Provide mixing valves on sinks
- Replace fire alarm, clock, bell, & intercom systems
- Replace light fixtures with LED (partial)
- Install lighting controls

## Lyter Elementary School









### C.E. McCall Middle School

- Install under field drainage for soccer field
- Repair storage buildings (roof/walls)
- Replace ceramic tile in locker rooms
- Replace gymnasium equipment
- Replace TV studio AV equipment
- Refurbish or replace corridor lockers
- Replace domestic hot water heater
- Move locker room shower drains
- Replace lighting with LED (partial)
- Install lighting controls







#### Montoursville Area High School

- Paint stadium concessions/locker building
- Install railing at Tech Ed pathway
- Replace maintenance building roof
- Paint main gymnasium (ceiling/structure)
- Repair Auditorium flooring
- Replace faucets on solid surface lavatories







## COST TO UPGRADE

Loyalsock Valley Elemantary School					
ESTIMATED COSTS TO UPGRADE TO CURRENT ST	ESTIMATED COSTS TO UPGRADE TO CURRENT STANDARDS				
	COST	R/	ANGE		
Sitework	\$360,250	-	\$414,288		
Building Exterior	\$90,500	-	\$104,075		
Building Interior	\$1,193,754	-	\$1,372,817		
Specialties & Equipment	\$210,000	-	\$241,500		
Building Systems - HVAC	\$1,432,200	-	\$1,647,030		
Building Systems - Plumbing / Fire Protection	\$358,050	-	\$411,758		
Building Systems - Electrical	\$1,309,440	-	\$1,505,856		
SUBTOTAL	\$4,954,194	-	\$5,697,323		
Estimating Contingency	\$495,419	_	\$569,732		
TOTAL ESTIMATED CONSTRUCTION COSTS	\$5,449,613		\$6,267,055		

Lyter Elementary School			
ESTIMATED COSTS TO UPGRADE TO CURRENT S	TANDARDS		
	COST	ΓRA	ANGE
Sitework	\$195,125	-	\$224,394
Building Exterior	\$279,200	-	\$321,080
Building Interior	\$391,805	-	\$450,576
Specialties & Equipment	\$120,000	-	\$138,000
Building Systems - HVAC	\$1,955,400	-	\$2,248,710
Building Systems - Plumbing / Fire Protection	\$88,000	-	\$101,200
Building Systems - Electrical	\$1,440,535	_	\$1,656,615
SUBTOTAL	\$4,470,065	-	\$5,140,575
Estimating Contingency	\$447,007	-	\$514,057
TOTAL ESTIMATED CONSTRUCTION COSTS	\$4,917,072	-	\$5,654,632

C.E. McCall Middle School					
ESTIMATED COSTS TO UPGRADE TO CURRENT ST	ESTIMATED COSTS TO UPGRADE TO CURRENT STANDARDS				
	COS	ΓRA	NGE		
Sitework	\$250,000	-	\$287,500		
Building Exterior	\$25,000	-	\$28,750		
Building Interior	\$42,000	-	\$48,300		
Specialties & Equipment	\$250,000	-	\$287,500		
Building Systems - HVAC	\$0	_	\$0		
Building Systems - Plumbing / Fire Protection	\$62,000	_	\$71,300		
Building Systems - Electrical	\$425,000	-	\$488,750		
SUBTOTAL	\$1,054,000	-	\$1,212,100		
Estimating Contingency	\$105,400	-	\$121,210		
TOTAL ESTIMATED CONSTRUCTION COSTS	\$1,159,400	-	\$1,333,310		

Montoursville Area High School			
ESTIMATED COSTS TO UPGRADE TO CURRENT ST	TANDARDS		
	COS	ΓRA	NGE
Sitework	\$6,000	-	\$6,900
Building Exterior	\$91,440	-	\$105,156
Building Interior	\$59,850	-	\$68,828
Specialties & Equipment	\$0	-	\$0
Building Systems - HVAC	\$0	-	\$0
Building Systems - Plumbing / Fire Protection	\$8,400	-	\$9,660
Building Systems - Electrical	\$0	-	\$0
SUBTOTAL	\$165,690	-	\$190,544
Estimating Contingency	\$16,569	-	\$19,054
TOTAL ESTIMATED CONSTRUCTION COSTS	\$182,259	-	\$209,598

District Administrative Offices			
ESTIMATED COSTS TO UPGRADE TO CURRENT S	TANDARDS	5	
	COS	T RA	NGE
Sitework	\$0	-	\$0
Building Exterior	\$0	-	\$0
Building Interior	\$31,500	-	\$36,225
Specialties & Equipment	\$0	-	\$0
Building Systems - HVAC	\$0	-	\$0
Building Systems - Plumbing / Fire Protection	\$0	-	\$0
Building Systems - Electrical	\$0	-	\$0
SUBTOTAL	\$31,500	-	\$36,225
Estimating Contingency	\$3,150	-	\$3,623
TOTAL ESTIMATED CONSTRUCTION COSTS	\$34,650	-	\$39,848

Loyalsock Valley ES \$5.5 M - \$6.3 M

Lyter Elementary School \$5.4 M - \$6.3 M

C.E. McCall Middle School \$1.2 M - \$1.3 M

Montoursville Area HS \$180 K - \$206 K

District Admin Offices \$ 35 K - \$ 40 K

# SUMMARY & NEXT STEPS

## Summary of Needs

	MAJOR NEED	MODERATE NEED	MINOR/NO NEED
Existing Building Capacity			Loyalsock Valley Elementary School
540 07 10			Lyter Elementary School
			C.E. McCall Middle School
			Montoursville Area High School
Projected Enrollment			Loyalsock Valley Elementary School
Capacity			Lyter Elementary School
			C.E. McCall Middle School
			Montoursville Area High School
Educational & Functional	Loyalsock Valley Elementary School	Lyter Elementary School	Montoursville Area High School
Deficiencies		C.E. McCall Middle School	
Existing Facility Conditions	Loyalsock Valley Elementary School	Lyter Elementary School	C.E. McCall Middle School
	,		Montoursville Area High School
Operational Efficiencies		Lyter Elementary School	C.E. McCall Middle School
		Loyalsock Valley Elementary School	Montoursville Area High School

## Next Steps

- School Board & Public input on analysis & need
- Develop Construction Options to meet needs
- Present Options to School Board & Public for input
- Determine recommended option



Crabtree, Rohrbaugh & Associates www.cra-architects.com