East Providence High School

Building Committee June 10, 2019



Agenda

A/E Update

Next Steps Programming Design Update

OPM Update



Next Steps

		May			June			July				August					
	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26
Preliminary Foundation & Ground Improvements			Ma	y 31													
100% Design Development Submission						June	7										
DD Cost Estimates:										June	? 7- Ju	ly 5					
Bid package #3: Foundations & Footings UG MEP									June	21-28	3						
60% Construction Document Submission														July 2	26		
Bid package #4: Structural Steel															Aug	just 9	

Design Development Programming Meetings

May 7, 2019

- ✓ Athletics & Physical Education
- **✓** Student Support Services
- ✓ Special Education
- ✓ Media Center
- **✓** Band & Choral
- **✓** Auditorium
- ✓ Piano Lab & Digital Music
- Custodians

May 14, 2019

- ✓ Special Education
- ✓ Art & Design
- Construction
- Automotive Technology
- Graphic Design
- Engineering
- ✓ Allied Health
- **✓** Science

May 21, 2019

- District Kitchen
- Culinary Arts

May 28, 2019

- **✓** Administration
- ✓ Medical Suite- Nurse
- ✓ Allied Health: Dental & Nursing
- Custodial







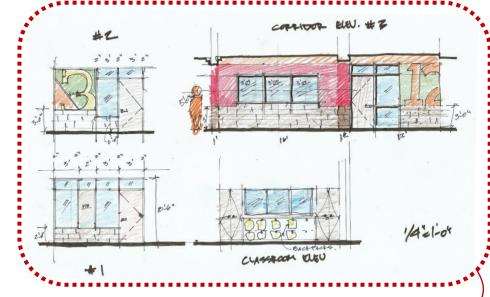


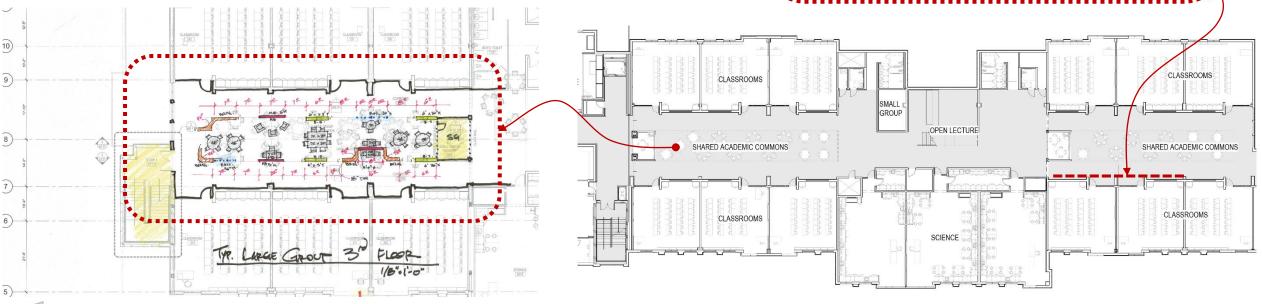
Design Update

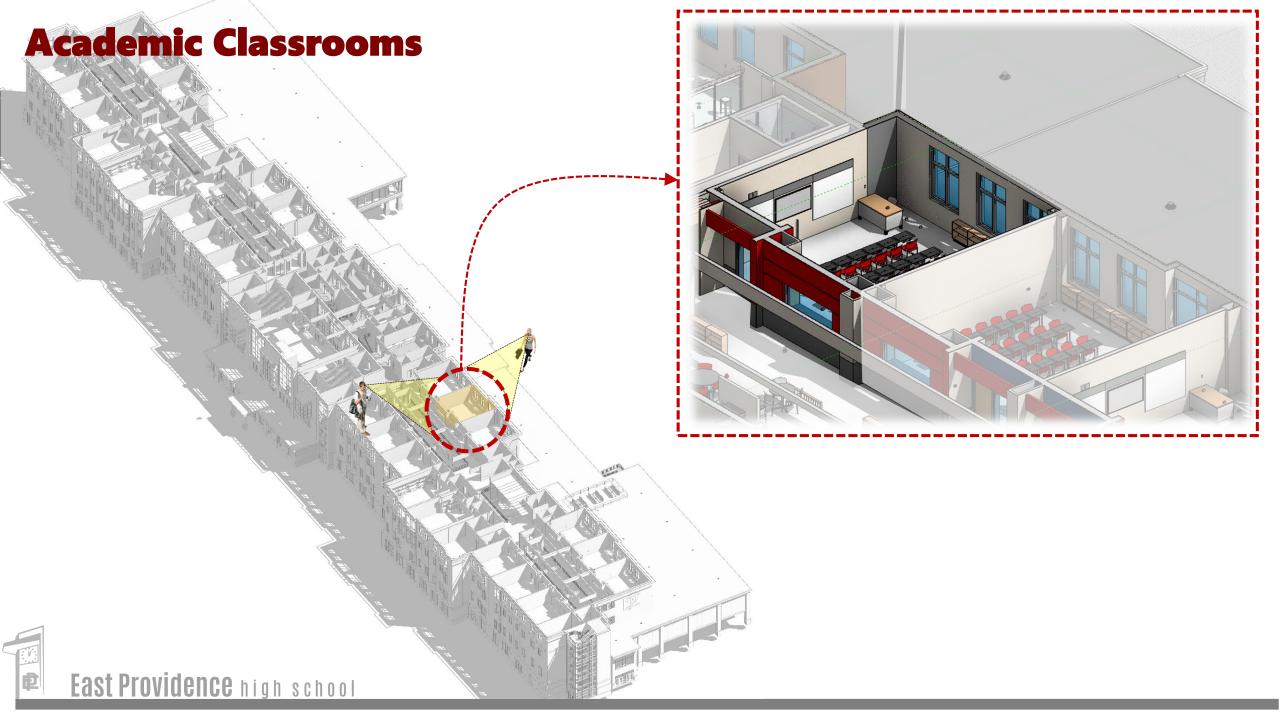
Landscape Design May 2019

Building Design Part 1: Interior June 2019

Building Design Part 2: Interior & Exterior July 2019

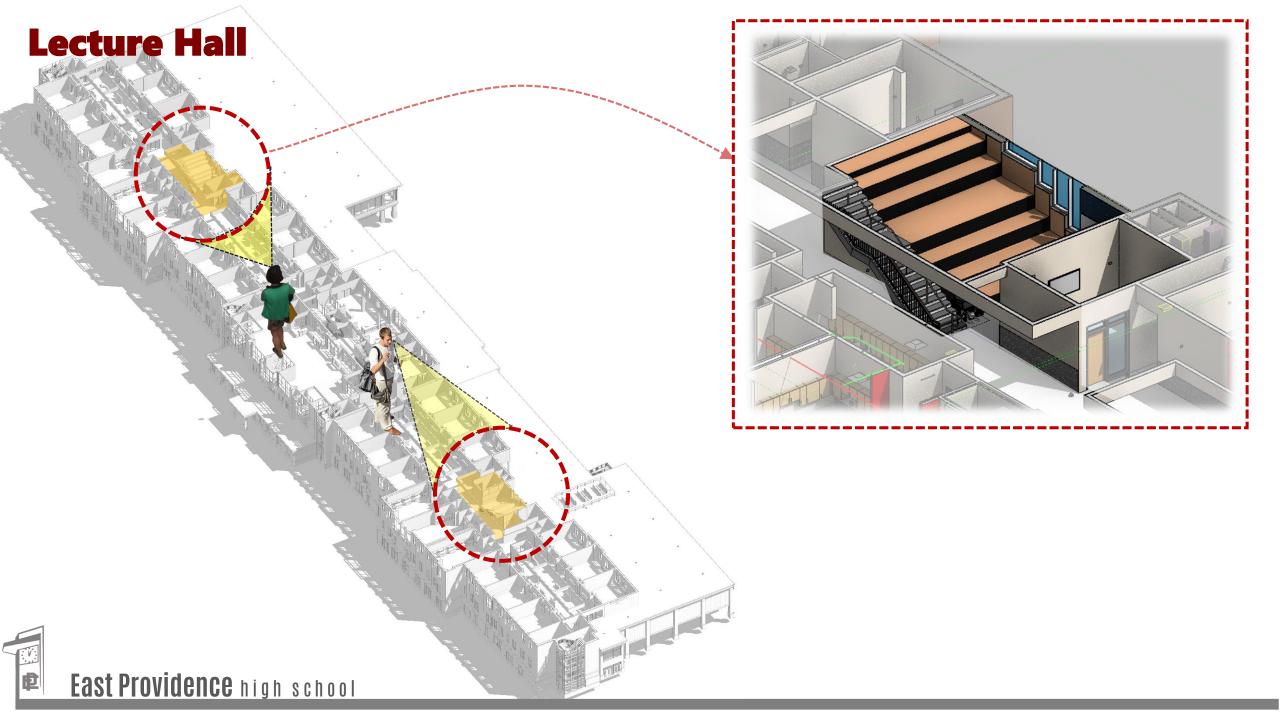






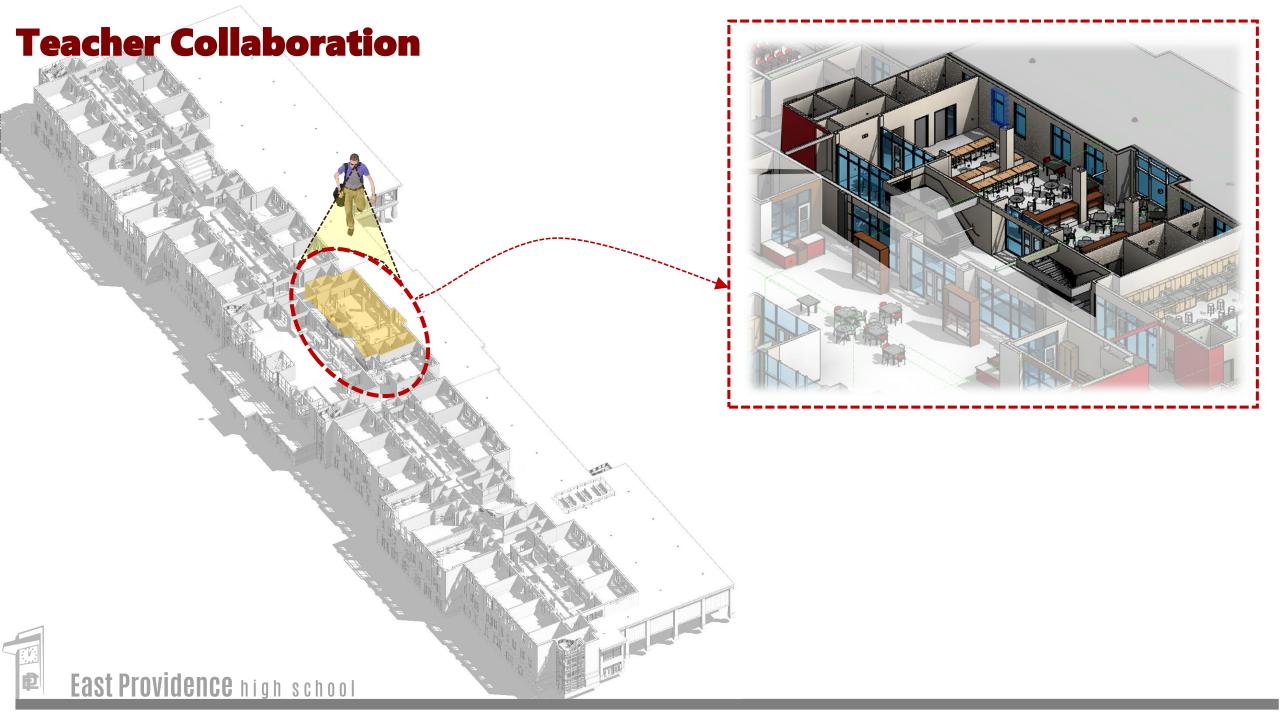




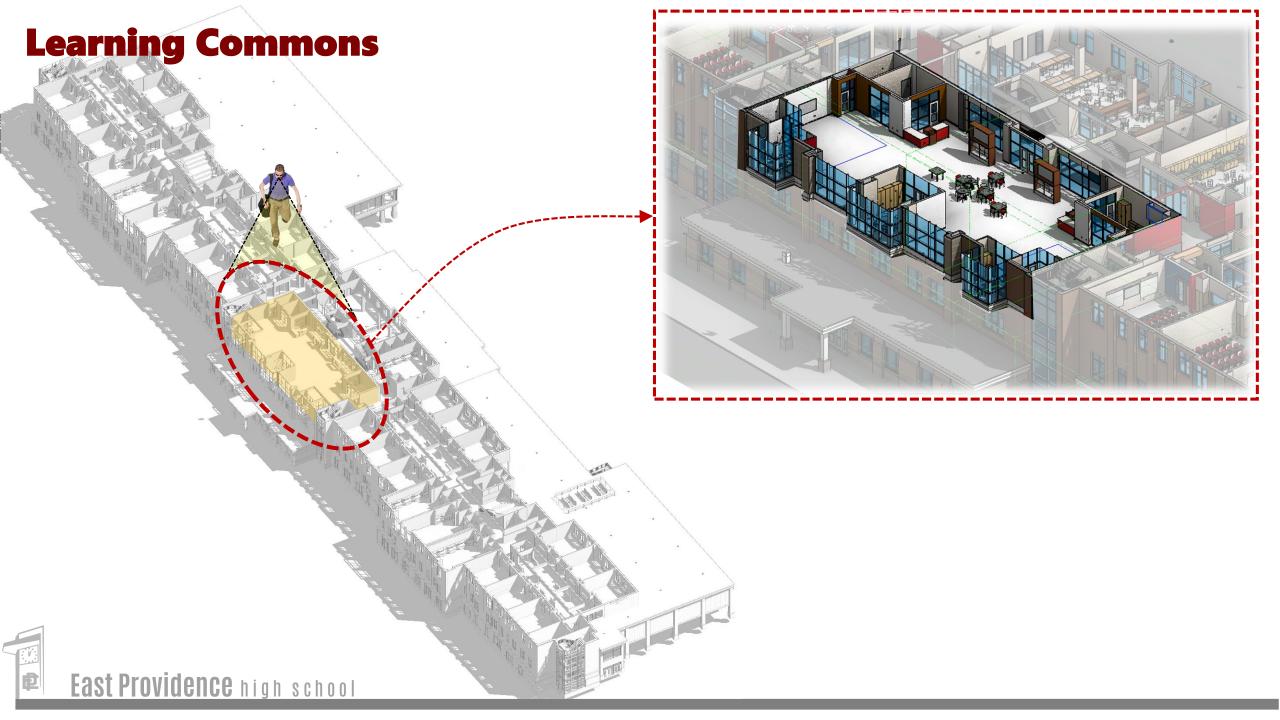




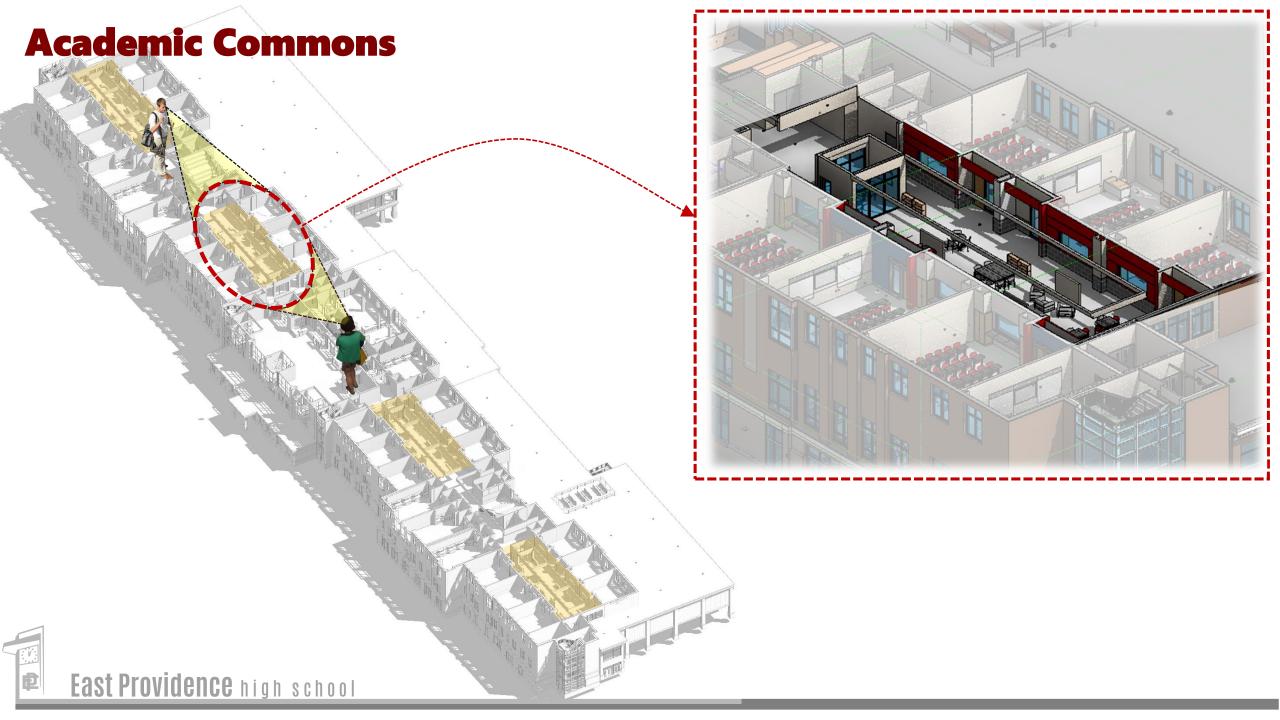








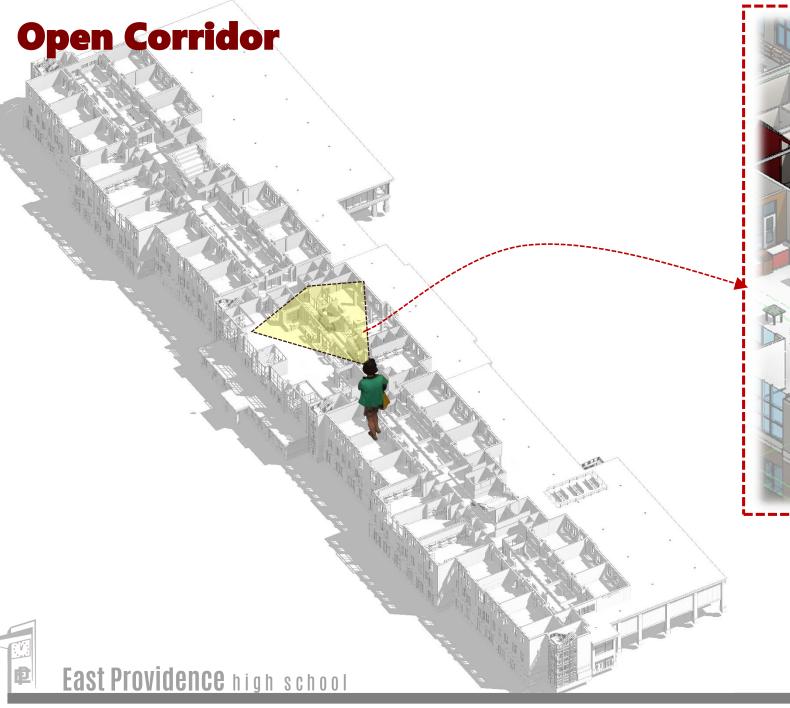








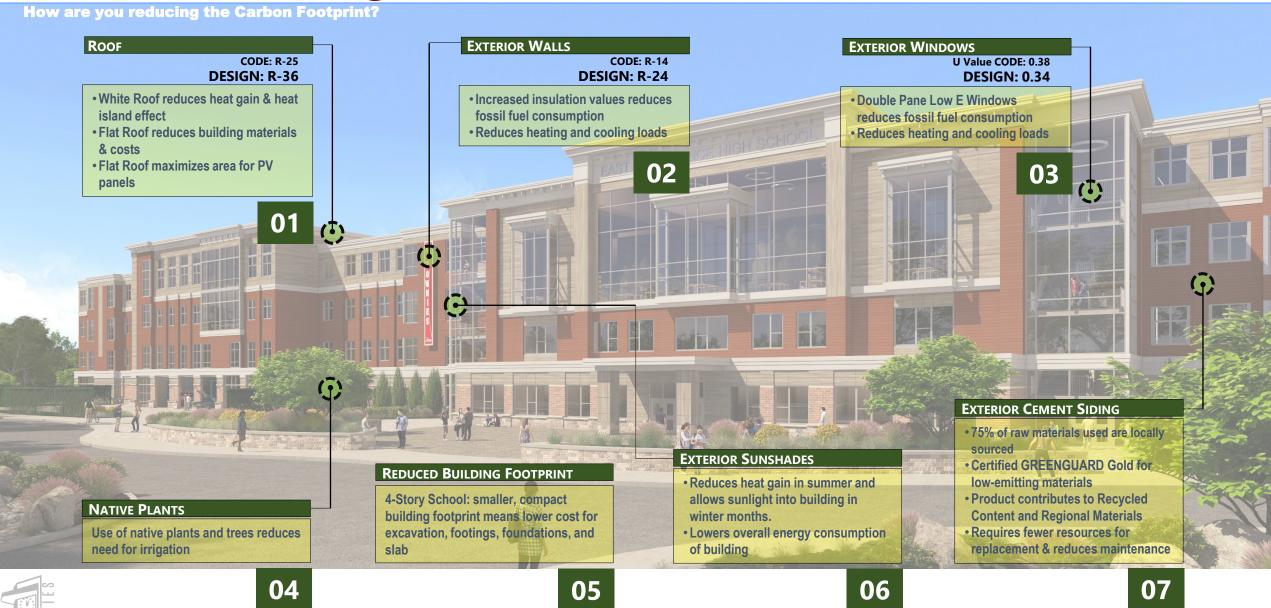




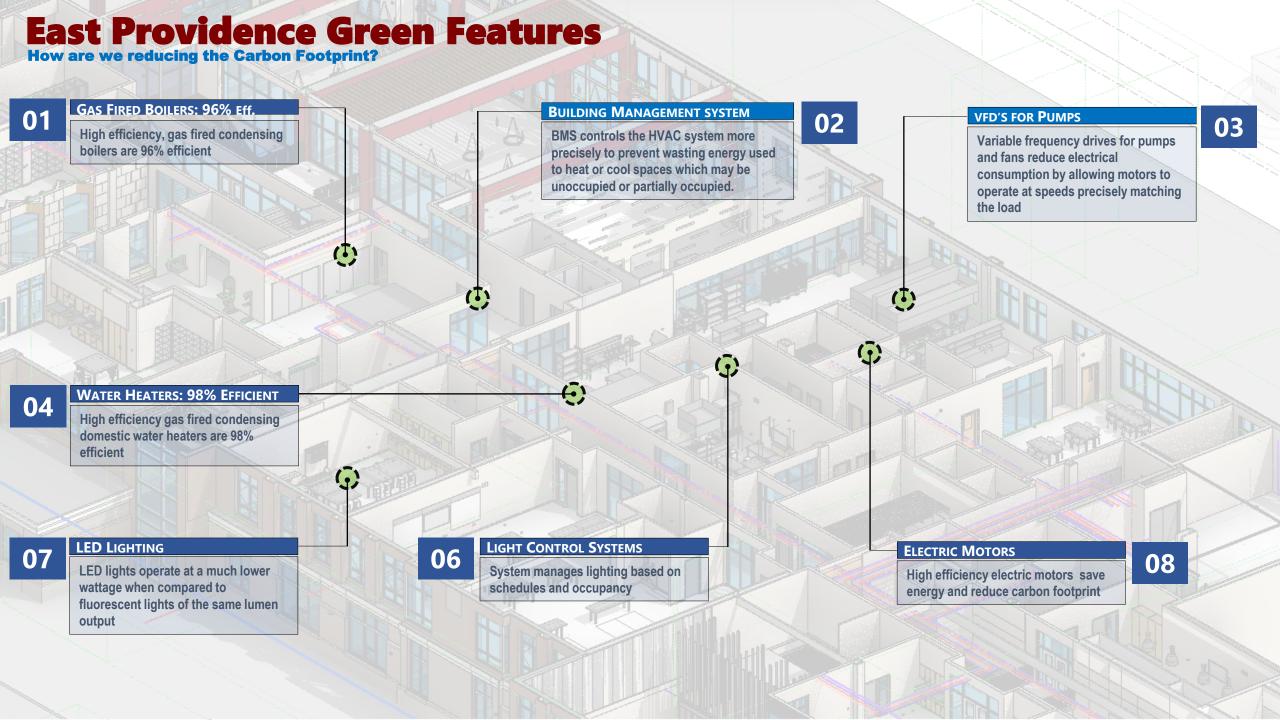




East Providence High School Green Features



East Providence nigh school

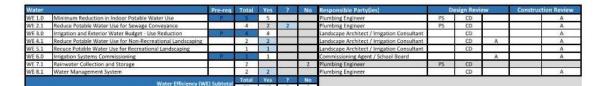


Integra	ntegration and Innovation Pre-rec		Total	Yes	7	No	Responsible Party(ies)	Design Revi	ew	Construction Revie	
1.0	Integrated Design	P	3	3			CHPS Consultant	CD			A
111	Enhanced Integrated Design	9 9	2	2	1		CHPS Consultant		А	(3)	
12.1	District Level Commitment	9	1	-	1		School Board	-3	A	S 3	
13.1	School Master Plan	- 8	1		010		School Board		A	40 3	A.1
14.1	High Performance Transition Plan	<u> </u>	1	4	0	1	School Board		A		. A
1.5.0	Educational Display	P	1	1			Architect / School Board	CD	9 3	10 3	A
115.1	Demonstration Area		1	-1			Architect / School Board	CD	9	8 3	A
116.1	Educational Integration	3 3	2	2			Architect / School Board		A	83 - 31	A
17.1	Climate Change Action / Carbon Footprint Reporting		3	N =	3		School Board		A		A
118.0	Crime Prevention through Environmental Design	P	2	2			Architect		A	S	A
19.1			4	2	2		Architect / Project Team	VARIES	(0 (V) j	VAR	IES
		- Jun er hanne	Total	Yes	7	No					70
	Integration & Innovation	ou (III) prototes	21	12	7	1					

Operatio	ons and Metrics	Pre-req	Total	Yes	7	No	Responsible Party(ies)	Design Review			Construction Review	
OM 1.0	Facility Staff and Occupant Training	P	3	3		NAME OF	School Board		CD			A
OM 2.1	Post Occupancy Transition		2		2	111	School Board	8		A	B 5	A
OM 3.0	Performance Benchmarking	Р	- 2	2			School Board			A		A
OM 4.1	High Performance Operations	5	4	A mar	4	0	School Board			A	8	A
OM 5.0	Systems Maintenance Plan	Р	1	-1			Commissioning Agent / School Board			5 00 3	6 8	A
OM 6.0	Indoor Environmental Management Plan	р	2	2			School Board					A
OM 7.1	Green Cleaning Policy	E - 8	2	7	0 8		School Board			3 8		A
OM 8.0	Integrated Pest Management	P.	1	1			Architect / School Board	P5	1	8 8	(a) (b)	A
OM 9.0	Anti-Idling Measures	P	1	1		6 1	Civil Engineer / School Board		CD		100	A
OM 10:1	Green Power	- 8	2	2	8 8		Architect / School Board	1		A	\$3 - 3.	
OM 11.0	ENERGY STAR Equipment and Appliances	P	2	2	3		School Board	3		A	E 3	
OM 12.1	Computerized Maintenance Management System	2 3	1		1		School Board	P5		8 6	6 3	A
and the same of		(044) 5 44-4-1	Total	Yes	7	No		100 AUG-1		177	7000	1270
Opeations and Metrics (OM) Subtotal					7	0						

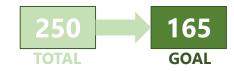
Indoor E	Indoor Environmental Quality Pre-reg		Total	Yes	7	No	Responsible Party(ies)	D	esign Revi	ew	Construction Review		
EQ 1.0	HVAC Design - ASHRAE 62.1	P	- 8	8			Mechanical Engineer	PS	(Menting, Sa.	9 8			
EQ 1.1	Enhanced Filtration		2	2			Mechanical Engineer		CD			Α	
EQ 1.2	Dedicated Outdoor Air System	8 6	- 3	- 3	8 3		Mechanical Engineer		CD	7 v. 9	89 81	A	
EQ 2.0	Pollutant and Chemical Source Control	P	7	2	y		Architect / Mechanical Engineer	- 3	CD	A	8 8	A	
EQ.3.0	Outdoor Moisture Management	P	1	1		10 . 3	Architect / Mechanical Engineer	3	CD		100	A	
EQ 4.1	Ducted Returns	W - 3	2	2			Mechanical Engineer	- 3	CD	Y - 8	8		
EQ 5.1	Construction Indoor Air Quality Management	8 8	5	5		0	Architect / Contractor		CD	(i)	(i)	A	
EQ.5.2	Construction Moisture Management		1	1			Architect / Contractor		CD			A	
EQ 6.1	Post Construction Indoor Air Quality		1	-	1	100	Architect / Contractor	8	CD	9 9	E 3	A	
EQ.7.0	Low Emitting Materials	P	2	2			Architect / Contractor	PS.	CD	9 × 8	PS	A	
EQ 7.1	Additional Low Emitting Materials	9 9	5	5	8 8		Architect / Contractor	PS	CD	8 8	PS PS	A	
EQ 8.1	Low Radon	8 8	1	1	3 3		Architect / Civil Engineer	21000	CD	ÿ (S	35 400 3	A	
EQ 9.1	Thermal Comfort - ASHRAE 55	F (c)	4	4		3	Mechanical Engineer	PS	CD		- 4		
EQ 10.1	Individual Controllability	8	1	1			Mechanical Engineer		CD	8 9	S -3	A	
EQ 10.2	Controllability of Systems		1	1			Electrical Engineer		CD	3 8	8 1	A	
EQ 11.0	Daylighting: Glare Protection	P	4	4			Daylight Consultant		CD	A		A	
EQ 11.1	Daylight Availability		5	14	5		Daylight Consultant	PS	CD	A		A	
EQ 12.0	Views	P	1	1	3	7	Architect	PS	CD	0	8 0	10000	
EQ 12.1	Additional Views	8 8	2		2		Architect	P5	CD	8 (3)	8 3		
EQ 13.1	Electric Lighting Performance	0.00	3	2	1		Electrical Engineer	1	CD	A	33		
EQ 13.2	Superior Electric Lighting Performance	1 10	5		5	X 0	Electrical Engineer		CD			A	
EQ 14.0	Acoustical Performance	P	7	7			Acoustical Engineer	PS	CD	A	8 8	A	
EQ 14.1	Enhanced Acoustical Performance	2 0 0	6		8 8	6	Acoustical Engineer	PS	CD	A	8 3	A	
EQ 15.1	Low-EMF Wiring	1 37	1	W		1	Electrical Engineer		CD			A	
EQ.15.2	Low-EMF Best Practices	V 9	2		. 3	2	Electrical Engineer		CD	A	8 9	A	
EQ 16.1	High Intensity Fluorescent Fixtures	8 8	1		110		Electrical Engineer	13	CD		3 = 3	A	
10	Environmetnal Quality (EC	ob Cubbandal	Total	Yes	?	No	Section 1		-				
	Environmetnas Quasity (Ed	f) anntotal	76	52	15	9							

Energy		Pre-req	Total	Yes	?	No	Responsible Party(ies)	Di	esign Revi	ew.	Construction Revie	
EE 1.0	Energy Performance	P	- 6	- 6	-	<i>2</i>	Energy Consultant		CD	A		
EE 1.1	Superior Energy Performance	8 "	40	18	22		Energy Consultant		CD	A	8) Si	
E 2.1	Zero Net Energy Capable		3		3.		Architect / Energy Consultant / CHPS		CD			
E 3.0	Commissioning	P	- 4	4			Commissioning Agent		CD	A	93	A
E 3.1	Additional Commissioning Qualifications	0 8	1		3	1	Commissioning Agent / School Board		CD	A	8	A
EE 3.2	Building Envelope Commissioning	§ §	1	- 1	8		Commissioning Agent / School Board		CD	A	(6	A
E 3.3	Enhanced Commissioning	9 2	1	1			Commissioning Agent / School Board	3	CD	A	0 3	A
E 4.0	Environmentally Preferable Refrigerants	P	1	1	8 - 3		Mechanical Engineer		CD	9 · · · · · · · · · · · · · · · · · · ·	6 8	
E 5.1	Energy Management System	9 9	2	2			Mechanical Engineer / School Board	- 3	CD	8 8	8 38	
E 5.2	Advanced Energy Management System and Submetering	3	2	2	3 3		Mechanical Engineer / Electrical Engineer	100	CD	§ §	87 - 31	1000
E 6.1	Natural Ventilation and Energy Conservation Interlocks		7.	N.		- 2	Architect / Mechanical Engineer	PS.	CD			A
E 7.0	Local Energy Efficiency Incentive and Assistance	р	2	2			Energy Consultant			A	8 - 1	A
EE 8.1	Variable Air Volume Systems	3 100	1	1			Mechanical Engineer		CD	1000	8 9	19.000
EE 9.1	Renewable Energy Performance Monitoring		1		1		Electrical Engineer / Solar Vendor		CD			А
EE 10.1	Electric Vehicle Charging	1 3	1	1	3 3		Electrical Engineer / Civil Engineer		CD	9	£ 31	А
	F		Total	Yes	7	No						
	Energy Efficiency (E	E) Subtotal	68	39	26	3						



Site		Pre-req	Total	Yes	?	No	Responsible Party(ies)	Design Review			Construction Review	
55 1.0	Site Selection	P	2	2			Civil Engineer	and the same		A		
SS 2.1	Environmentally Sensitive Land		3	2	-1		Civil Engineer	PS	CD	A		
SS 3.1	Minimize Site Distrubance		1		1		Civil Engineer	PS	CD			
55 4.1	Construction Site Runoff Control and Sedimentation	8.5	1	1			Civil Engineer / Contractor		CD	0 8		A
\$5.5.1	Post Construction Stormwater Management		1	1			Civil Engineer / Contractor	PS	CD			А
55 6.1	Central location		2	2			CHPS Consultant	PS		А		
55 7.1	Located Near Public Transportation	9 = 3	1	1	(6)		CHPS Consultant			A		
55 8.1	Joint-Use of Facilities		1	1			School Board		CD	A		
\$\$ 9.1	Human-Powered Transportation		2	2			Civil Engineer / School Board	PS	CD			A
55 10.1	Reduce Heat Islands - Landscaping and Sites	31	1		1		Civil Engineer / Landscape Arch		CD	(i)		
55 11.1	Reduce Heat Islands - Cool Roofs and Green Walls		1		1		Architect		CD			A
55 12.1	Avoid Light Pollution and Unnecessary Lighting		2		2		Electrical Engineer / Contractor	3	CD			A
S 13.1	School Gardens	81 - 3	1	1			School Board / Landscape Arch / Contractor		CD	A		А
SS 14.1	Use Locally Native Plants for Landscape		1	1			Landscape Arch	PS	CD			
55 15.0	Site and Building Best Practices	P	2	2	5		Civil Engineer	PS.	CD	A		
	-Cartestala Artistala Committe de Cartestala	AND DESCRIPTION OF THE PERSON NAMED IN	Total	Yes	2	No		A HECCO				
		Site (SS) Subtotal	22	16	6	0						

Materials	and Waste	Pre-req	Total	Yes		No	Responsible Party(ies)	t	esign Review	Construct	ion Review
MW 1.0	Storage and Collection of Recyclables			2			Architect / School Board		CD	3	A
MW 2.0	Minimum Construction Site Waste Management			2		60 3	Architect / Contractor	999	CD		A
MW 2.1	Construction Site Waste Management		2	1	01-		Architect / Contractor		CD		A
MW 3.1	Single Attribute - Recycled Content		2	2			Architect / Contractor		CD	P5	A
MW 4.1	Single Attribute - Rapidly Renewable Materials		1	1 2	A 3	1	Architect / Contractor		CD	PS PS	A
MW 5.1	Single Attribute - Certified Wood		1	1			Architect / Contractor		CD	PS.	A
MW 6.1	Single Attribute - Materials Reuse		1			1	Architect / Contractor		CD	PS.	Α
MW 7.1	Multi-Attribute Materials Selection		2	2			Architect / Contractor	PS	CD	PS	A
MW 8.1	Building Reuse - Exterior	\neg	2		0 1	2	Architect / Contractor		CD	P5	A
MW 9.1	Building Reuse - Interior		1			1	Architect / Contractor	99	CD	PS	A
MW 10.1	Health Product Related Information Reporting		1	1			Architect / Contractor		CD	PS	A
MW 11.1	Locally Produced Materials	$\neg \neg$	2	1	12		Architect / Contractor		CD	P5	A
	- Parameter Control Co	***	Total	Yes		No	(c)				1
Materials and Waste (MW) Subtotal		Subtotal	19	12	2	- 5					





New Construction Requirements **Verified: 110 points**

Verified Leader: 160 points



Questions & Comments

