

2016 CHPS PreFAB SCORECARD

Either points
PreFAB only

Prereq. / Credit	Number	Title	US-CHPS Points	Manufr Points	School Points	Available to Either	Notes on point allocation/implementation
TOTAL			250	158	92		
REQUIRED for CHPS PreFAB				70			
REQUIRED for CHPS PreFAB Leader				100			
Integration & Innovation (II)			21	7	14		
Prereq	II 1.0	Integrated Design	1		1		
Credit	II 1.1	Enhanced Integrated Design	2	1	1		1 mfr pt for II 1.1.3 for BIM
Credit	II 2.1	District Level Commitment	2		2		
Credit	II 3.1	School Master Plan	2		2		
Credit	II 4.1	High Performance Transition Plan	1		1		
Prereq-NE, CA	II 5.1	Educational Display	1	1		x	
Credit	II 6.1	Educational Integration	2		2		
Credit	II 7.1	Demonstration Areas	1	1		x	
Credit	II 8.1	Climate Change Action / Carbon Footprint Reporting	3	1	2		1 mfr pt (of 2) for II 8.1.1 for GHG inventory of the unit
Prereq-NE	II 9.1	Crime Prevention Through Environmental Design	2		2		
Credit	II 10.1	Innovation (CHPS Verified Projects only)	4	3	1	x	1 pt reserved for site innovation
Regional Credit	II 11.1 - CA	District-Wide Sustainability Planning			x		
Environmental Quality (EQ)			82	68	14		

Prereq	EQ 1.0	HVAC Design - ASHRAE 62.1	7	7			
Credit	EQ 1.1	Enhanced Filtration	2	2			
Credit	EQ 1.2	Dedicated Outdoor Air System (DOAS)	3	3			
Prereq-NE	EQ 2.1	Pollutant and Chemical Source Control	3	3		x	Typically, only EQ 2.1.2, 2.1.3, & 2.1.6 available to mfr for 2 pts
Prereq-NE, CA, TX	EQ 3.1	(Outdoor) Moisture Management	3	1	2		1 mfr pt (of 3) for condensate systems, downspouts & rain leaders, that meet the criteria
Credit	EQ 4.1	Ducted Returns	2	2			
Prereq-CA	EQ 5.1	Construction Indoor Air Quality Management	6	3	3		3 mfr pts for EQ 5.1.1 and 5.1.2
Credit	EQ 5.2	Construction Moisture Management	3	3			
Credit	EQ 6.1	Post Construction Indoor Air Quality	1		1		
Prereq	EQ 7.0	Low Emitting Materials	2	2			
Credit	EQ 7.1	Additional Low Emitting Materials	6	5	1		Mfr pts for all but 7.1.4 Furniture & furnishings
Credit	EQ 8.1	Low Radon	1		1		
Prereq-CA	EQ 9.1	Thermal Comfort - ASHRAE 55	4	4			
Credit	EQ 10.1	Individual Controllability	2	2			
Credit	EQ 10.2	Controllability of Systems	1	1			
Prereq	EQ 11.0	Daylighting: Glare Protection	4	3	1		1 pt reserved for appropriate school siting & orientation
Credit	EQ 11.1	Daylight Availability	5	4	1		1 pt reserved for appropriate school siting & orientation
Prereq - NE	EQ 12.1	Views	3	3			
Credit	EQ 12.2	Additional Views	2	2			
Credit	EQ 13.1	Electric Lighting Performance	2	2			
Credit	EQ 13.2	Superior Electric Lighting Performance	6	6			
Prereq	EQ 14.0	Acoustical Performance	4	3	1		1 pt reserved for appropriate school siting & exterior BG noise

Credit	EQ 14.1	Enhanced Acoustical Performance	6	5	1		1 pt reserved for appropriate school siting & exterior BG noise
Credit	EQ 15.1	Low-EMF Wiring	2	2			
Credit	EQ 15.2	Low-EMF Best Practices	2	1	1		1 mfr pt for EQ 15.2.2 or 15.2.3 for Wired LAN or phones
Regional Credit	EQ 16.1 - CA	Thermal Displacement Ventilation		ID			
Regional Credit	EQ 16.1 - NE	High Intensity Fluorescent Fixtures		ID			
Regional Credit	EQ 17.1/16.1 - CA/TX	Mercury Reduction		ID	-		
Regional Credit	EQ 17.1 - TX	Building Envelope Integrity		ID			
Energy Efficiency (EE)			63	57	6		
Prereq	EE 1.0	Energy Performance	5	5			
Credit	EE 1.1	Superior Energy Performance	40	40			
Prereq-CA	EE 2.1	Solar Ready/Zero Net Energy (ZNE) Capable	3	3		x	
Prereq	EE 3.0	Commissioning	5	2	3	x	2 mfr pts for documentation (see footnote 1 below) – required; the additional 3 points can be obtained by the manufacturer and requires completion of the EQ3.0 section of the chain of custody
Credit	EE 3.1	Additional Commissioning Qualifications	1		1	x	Only available to mfr if pursuing 5 pts for EE 3.0
Credit	EE 3.2	Building Envelope Commissioning	2		2		
Prereq-NE, CA	EE 4.1	Environmentally Preferable Refrigerants	1	1			
Prereq-CA	EE 5.1	Energy Management System	2	2		x	
Credit	EE 5.2	Advanced Energy Management System and Submetering	2	2		x	
Credit	EE 6.1	Natural Ventilation & Energy Conservation Interlocks	2	2			
Regional Credit	EE 3.3 - NE	Enhanced Commissioning		ID			

Regional Credit & Prereq-NE	EE 7.0/7.1 - NE/TX	Local Energy Efficiency Incentive and Assistance			x		
Regional Credit	EE 7.1 - CA	Low Carbon School		ID	x		
Regional Credit	EE 8.1 - NE	Variable Air Volume Systems		ID			
Regional Credit	EE 9.1/8.1 - NE/TX	Renewable Energy Performance Monitoring		ID		x	
Regional Credit	EE 10.1/8.1 - NE/CA	Electric Vehicle Charging			x		
Water Efficiency (WE)			20	9	11		
Prereq-NE, CA	WE 1.1	Minimum Reduction in Indoor Potable Water Use	5	5		x	
Prereq-CA	WE 2.1	Reduce Potable Water Use for Sewage Conveyance	4	4		x	
Prereq-CA	WE 3.1	Irrigation and Exterior Water Budget - Use Reduction	4		4		
Credit	WE 4.1	Reduce Potable Water Use for Non-Recreational Landscaping	4		4		
Credit	WE 5.1	Reduce Potable Water Use for Recreational Landscaping	2		2		
Prereq-NE	WE 6.1	Irrigation Systems Commissioning	1		1		
Regional Credit	WE 7.1 - NE	Rainwater Collection and Storage		ID		x	
Regional Credit	WE 8.1/7.1 - NE/CA	Demonstration Rainwater Catchment			x		
Regional Credit	WE 8.1/7.1 - CA/TX	Water Management System		ID		x	
Sustainable Sites (SS)			24	2	22		
Prereq	SS 1.0	Site Selection	3		3		
Credit	SS 2.1	Environmentally Sensitive Land	3		3		
Credit	SS 3.1	Minimize Site Disturbance	1		1		
Prereq-CA, TX	SS 4.1	Construction Site Runoff Control and Sedimentation	1		1		

Credit	SS 5.1	Post Construction Stormwater Management	2		2		
Credit	SS 6.1	Central Location	2		2		
Credit	SS 7.1	Located Near Public Transportation	1		1		
Credit	SS 8.1	Joint-Use of Facilities	1		1		
Prereq-CA	SS 9.1	Human-Powered Transportation	2		2		
Credit	SS 10.1	Reduce Heat Islands - Landscaping and Sites	2		2		
Credit	SS 11.1	Reduce Heat Islands - Green/Cool Roofs and Green Walls	2	1	1		1 mfr pt for SS 11.1.1 – cool/green roof
Prereq-CA	SS 12.1	Avoid Light Pollution and Unnecessary Lighting	2	1	1	x	1 mfr pt for SS 12.1.1 - automatic shutoff of outdoor non-emergency lighting
Credit	SS 13.1	School Gardens	1		1		
Credit	SS 14.1	Use Locally Native Plants for Landscape	1		1		
Regional Credit & Prereq-NE	SS 15.0 - NE	Site and Building Best Practices			x		
Materials & Waste Management (MW)			21	14	7		
Prereq	MW 1.0	Storage and Collection of Recyclables	2		2		
Prereq-NE, CA, TX	MW 2.1.1	Minimum Construction Site Waste Management	2	1	1	x	Both factory and on-site construction waste must meet the criteria. Points allocated 50% to each (see footnote 2 below); 1 of 2 points required by mfr for factory waste
Credit	MW 2.1.2/3/4	Construction Site Waste Management	2	1	1	x	
Credit	MW 3.1	Single Attribute - Recycled Content	2	2			
Credit	MW 4.1	Single Attribute - Rapidly Renewable Materials	1	1			
Credit	MW 5.1	Single Attribute - Certified Wood	1	1			
Credit	MW 6.1	Single Attribute - Materials Reuse	1		1		
Credit	MW 7.1	Multi-Attribute Materials Selection	3	3			
Credit	MW 8.1	Building Reuse - Exterior	3		3		

Credit	MW 9.1	Building Reuse - Interior	1		1		
Credit	MW 10.1	Health Product Related Information Reporting	3	3			
Regional Credit	MW 1.1 - TX	Storage & Collection of Recyclables for School Community			x		
Regional Credit	MW 11.1 - TX	Durable and Low Maintenance Flooring		ID			
Regional Credit	MW 11.1 - NE	Locally Produced Materials			x		
Regional Credit	MW 12.1 - TX	Environmental Performance Reporting		ID			
Operations & Metrics (OM)			19	2.5	16.5		
Prereq	OM 1.0	Facility Staff and Occupant Training	2	1	1		1 mfr pt for User's Manual and O&M Guide
Credit	OM 2.1	Post-Occupancy Transition	2	1	1	x	1 mfr pt for participation in Post Occupancy Transition Meeting and implementing meeting actions (OM 2.1.2 and OM 2.1.3)
Prereq	OM 3.0	Performance Benchmarking	2		2		
Credit	OM 4.1	High Performance Operations	5		5		
Prereq-NE	OM 5.1	Systems Maintenance Plan	1	0.5	0.5		½ mfr pt for providing a Systems Maintenance Plan for the unit
Prereq-NE	OM 6.1	Indoor Environmental Management Plan	2		2		
Credit	OM 7.1	Green Cleaning	2		2		
Prereq-NE	OM 8.1	Integrated Pest Management	1		1		
Prereq-NE, CA	OM 9.1	Anti-Idling Measures	1		1		
Credit	OM 10.1	Green Power	1		1		
Regional Credit & Prereq-NE	OM 11.0 - NE	ENERGY STAR Equipment and Appliances		ID		x	
Regional Credit	OM 12.1 - NE	Computerized Maintenance Management System			x		
TOTAL			250	158	92		

ID = Innovative Design points available

¹ Implement the following fundamental best practice commissioning procedures as part of the manufacturing process:



- Submit documentation that describes the quality control measures that were implemented before the unit leaves the production facility. Include a description of adherence to ISO 9001. Utilize EDR as necessary.
- Document all systems that were tested and methods used. At minimum: Electrical, lighting, sensors, controls, plumbing, HVAC equipment and ducts. In addition, an air balance test shall be run to ensure building shell is adequate in preventing air/particulate infiltration.

² For example MW 2 - Recycle, reuse, and/or salvage at least 50% (by weight) of non-hazardous construction and demolition waste, not including land clearing and associated debris. **(2 pts)** is implemented as:

- Recycle, compost, and/or salvage at least 50% (by weight) of the non-hazardous construction and demolition debris from **factory production and transportation (1 pt)**
And
- Recycle, compost, and/or salvage at least 50% (by weight) of the non-hazardous construction and demolition debris from the **scope of onsite construction (1 pt)**