WSSP 2015
Summary of Major Changes
2010 to 2015
Prepared for TAC, 4/3/2015

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Washington Sustainable Schools Protocol

Criteria for High-Performance Schools

2015 Edition

Designing Schools for Student Success
WHY UPDATE?

- **Primary**
  - Additional/new technology and materials
  - Errors and omissions in current version

- **Secondary**
  - Additional opportunities for points
  - Recognize difference between modernization, new building on existing facility and new facility
  - Consider new CHPS Core Criteria
UPDATE PROCESS

- WSSP Committee
- Committee volunteers lead individual sections
- 10 meetings over the past 12 months
  - Vetted our suggested changes
  - Reviewed estimated costs for changes
- Experts assisted with new credit wording and technical requirements
- First draft presented to TAC Oct 2014
- Public announcement, invitation to comment Feb 11, 2015
- Final WSSP 2015 to Committee
- Final WSSP 2015 presented to TAC*
- Release April 15, 2015 – Applies to all state-funded projects with D4 approval after July 1, 2015
GENERAL SECTIONS

2010
- Overview
- Scorecard
- Credit Sections
- Documentation & Reporting

2015
- Overview
- Modernizations
- Scorecard
- Credit Sections
- Documentation & Reporting
- Glossary
# New Building on Existing Facility and Modernizations

<table>
<thead>
<tr>
<th>2010</th>
<th>2015</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Applicable to new construction on existing campus and all modernizations</td>
</tr>
<tr>
<td></td>
<td>• Additions are modernizations in WSSP</td>
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<td></td>
<td>• “R”equired credits are project specific by scope</td>
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<tr>
<td></td>
<td>• Modernization points</td>
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<tr>
<td></td>
<td>○ Class I 34 points</td>
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<tr>
<td></td>
<td>○ Class II 29 points</td>
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<tr>
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<td>• New on existing - same points as New</td>
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**SCORECARD**

**2010**
- Total possible points 119
- Minimum Points
  - Class I  45 points
  - Class II  40 points

**2015**
- Total possible points 135
- Minimum Points for New and New on Existing
  - Class I  45 points
  - Class II  40 points
S2.2 Bicycle Lanes & Security

S3.1 Stormwater Infiltration and Flow Control
  • 1 point

2010

2015

S2.2 Bike and Walk to School
  • Occupants defined for bike parking, AND
  • Added Safe Routes to School or School Walk Route Map/Plan per WAC

S3.1 On-site Stormwater Management and Flow Control
  • Required, 1
SITE SELECTION

2010
- S3.2 Stormwater Treatment
  - 1 point
- S3.3 Enhanced Treatment

2015
- S3.2 Stormwater Treatment
  - Required, 1 point
- S3.3 Soil Management
  - 1 point

Total Points Possible 17

Total Points Possible 17
WATER SECTION

2010

- W1.0 Outdoor Water Use Budget – Use Local Ordinance or City of Bellevue
- Baseline per Energy Policy Act 2005 and Uniform Plumbing Code (UPC)
- Total Points Possible 9

2015

- W1.0 Outdoor Water Use Budget – Use Local Ordinance or Irrigation Association best management practices (BMP’s)
- Baseline per 2012 UPC with WA Amendments
- Total Points Possible 9
MATERIALS SECTION

2010

M1.0 Storage and Collection of Recyclables
- Required
- Operating materials and construction demolition waste must meet local ordinance

2015

M1.0 Storage and Collection of Recyclables
- Required
- Operating materials only must meet local ordinance
  OR
- Where no local ordinance, but services are provided, develop and implement a plan for a minimum of 2 materials
- AND regularly inform building occupants
MATERIALS SECTION

2010

- M1.1 Construction Waste Management
  Develop a waste management plan for diversion
  - 50% 1 point
  - 75% 2 points

2015

- M1.1 Construction Waste Management
  Develop a waste management plan for diversion
  - Include waste management scope in bid specs and develop a plan.
  - Excludes land clearing debris
  - 50% 1 point
  - 75% 2 points
**MATERIALS SECTION**

**2010**
- M1.4 Material Reuse
  - Salvaged from off-site only
- M2.1, M2.2, M2.4
  - Single attribute credits use actual cost of construction materials

**2015**
- M1.4 Material Reuse
  - Salvaged from off-site and salvaged on site used for different purpose
- M2.1, M2.2, M2.4
  - Single attribute credits use actual cost of materials or a default value of 35% of the total construction cost for the total material cost
**Materials Section**

2010

- M2.4 Environmentally Preferable Products for Carpet and Resilient Flooring Only
- 1-2 points

2015

- M2.5 Environmentally Preferable Products (EPP) – Multiple Attributes *
  
  1-4 points
  - 1-2 points products certified as an EPP
  - 1-2 points for Environmental Product Declaration (EPD)

*credit numbering changed
MATERIALS SECTION

2010       2015

- M2.6 Building Materials Health Product Disclosure
  - 1 point
  Provide a published HPD for materials. HPD discloses the content in a material and the related health information

Total Points Possible 18       Total Points Possible 21
ENERGY SECTION

- E1.1 Superior Energy Performance
  - 4-20 points
  - Reduce energy use to below energy code requirement

2010

- E1.1a Superior Energy Performance
  - 4-20 points
  - Decreased % below baseline to earn points

2014

- E1.1b Superior Energy – Energy Star
  - 1 point
ENERGY SECTION

2010

2015

- E2.2 Occupancy Controls
  - 1 point lighting beyond code
  - 1 point HVAC beyond code

- E2.4 Demand Control Ventilation
  - 1 point beyond code
ENERGY SECTION

2010

- E3.1 On-Site Renewable
  - 1-4 points for 5 to 15%

2015

- E3.1 On-Site Renewable
  - 1-4 points for 5 to 15%
  - 1 point Renewable Ready
**Energy Section**

2010

- E5.1 Energy Management Systems
  - 1 point
  - 1 point to add plug load

*Total Points Possible 34*

2015

- E5.1 Energy Management Systems
  - Required WSEC 2012 projects >50,000sqft
  - 1 point for all others
  - 1 point to add plug load
  - 1 point dashboard in public area
  - 1 point M & V Plan

*Total Points Possible 42*
# Indoor Environmental Quality Section

<table>
<thead>
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<th>2015</th>
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</table>
| IEQ1.1 Daylighting | IEQ1.1 Daylighting Classrooms  
  - Added a second simulation option  
    – Spatial Daylight Autonomy |
| IEQ2.1 Electric Lighting Quality | IEQ2.1 Electric Lighting Quality  
  - Minimums required per WAC  
  - 2 additional points  
    - Dimming  
    - Tunable white |
| IEQ3.0.2 Mitigation Measures | IEQ3.0.2 Deleted |
Indoor Environmental Quality Section

2010
- IEQ3.3 Source Control
  - 1 point
- IEQ3.5 Particle Arrestance Filtration
  - 1 point

2015
- IEQ3.3 Source Control
  - 2 points
  
  Increased points for same work
- IEQ3.5 Particle Arrestance Filtration
  - 1-2 points
  
  1 point for 2” pleated filters
Indoor Environmental Quality Section

2010

- IEQ3.6 Construction IAQ Management
  - 1 point during
  - 1 point after

- IEQ3.7 Natural Cooling
  - 3 points

2015

- IEQ3.6 Construction IAQ Management
  - 1 point during
  - 1 point after
    - Added testing first to flush-out after occupancy option

- IEQ3.7 Natural Cooling
  - 2 points

Total Points Possible 29

Total Points Possible 32
PEO2.1 Green Building Learning
- 1 point
  Develop student learning

Provide O & M training for facilities and maintenance staff AND provide all building occupants with knowledge and responsibility
PLANNING, EDUCATION, OPERATIONS SECTION

2010

- PEO3.2 Energy and Life Cycle Cost Analysis
  - Required ELCCA
  - 1 point LCCA

- PEO3.3 Project and/or District Operational Activities
  - 1 point
  Maintenance Plan – APP

2015

- PEO3.2 Energy and Life Cycle Cost Analysis
  - Required New >25,000, Mod >25,000 & >50% value
  - 1 point all others ELCCA
  - 1 point LCCA

- PEO3.3 Project and/or District Operational Activities
  - Required for New Maintenance Plan – APP
PLANNING, EDUCATION, OPERATIONS

2010

- PEO3.3 Project and/or District Operational Activities
  - Fuel Efficient Buses
    - 1 point
  - Comprehensive Green Purchasing and Cleaning Plans
    - 1 point

Total Points possible 12

2015

- PEO3.3 Project and/or District Operational Activities
  - Maintenance Plan APP on Modernizations
    - 1 point
  - Fuel Efficient Buses and Maintenance Vehicles
    - 1 point
  - Environmentally Preferable Purchasing
    - 1 point
  - Green Cleaning Policy and Program
    - 1 point
  - Green School Program
    - 1 point

Total Points Possible 14
**Recap Major Changes**

- New scoring for modernizations and new on existing facility
- New required credits (code)
- Same number of points (as 2010) required for new and new on existing
- Sixteen new optional points to choose from
- Heightened attention to indoor air quality
- Glossary
- Based on current codes, able to be updated via addenda
LAST STEPS

- TAC recommendation to move forward and release WSSP 2015*
- Release April 15, 2015
- In planning stages: website changes, training, posting future addenda, annual reporting format

QUESTIONS?

Applicable to state-funded projects receiving D4 approval after July 1, 2015