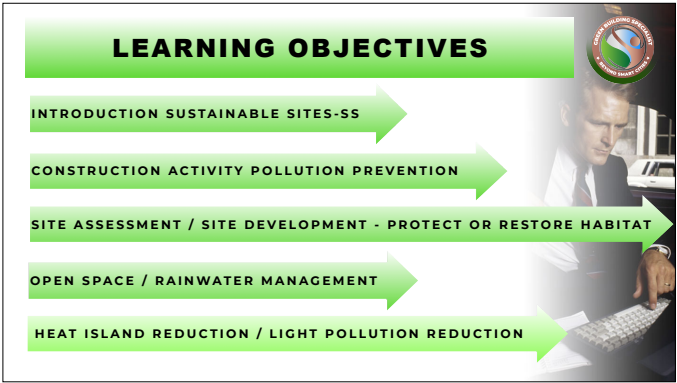










SUSTAINABLE SITES



The Sustainable Sites (SS) category rewards decisions about the environment surrounding the building, with credits that emphasize the vital relationships among buildings, ecosystems, and ecosystem services. It focuses on restoring project site elements, integrating the site with local and regional ecosystems, & preserving the biodiversity that natural systems rely on.



CRITERIA IN THIS CATEGORY

SS PR.CONSTRUCTION ACTIVITY POLLUTION PREVENTION

SS CR.SITE ASSESSMENT

SS CR.SITE DEVELOPMENT - PROTECT OR RESTORE HABITAT

SS CR.OPEN SPACE

SS CR. RAINWATER MANAGEMENT

SS CR.HEAT ISLAND REDUCTION

SS CR.LIGHT POLLUTION REDUCTION



MAXIMUM POSSIBLE CREDITS : 1 P / 10 C

SS- PR- CONSTRUCTION

INTENT

To reduce pollution from construction activities by controlling soil erosion, waterway sedimentation, and airborne dust that disproportionately impact frontline communities.

POTENTIAL TECHNOLOGIES & STRATEGIES

- ☒ Create an Erosion and Sedimentation Control Plan during the design phase of the project.
- ☒ Consider employing strategies such as:
Stabilization: temporary and permanent seeding, mulching.
- ☒ Structural: earth dikes, silt fencing, sediment traps and sediment basins.

CONSTRUCTION ACTIVITY POLLUTION PREVENTION

REQUIREMENTS

Create and implement an erosion and sedimentation control plan for all construction activities associated with the project. The plan must conform to the erosion and sedimentation requirements of the 2017 U.S. Environmental Protection Agency (EPA) Construction General Permit (CGP) or local equivalent, whichever is more stringent. Projects must apply the CGP regardless of size. The plan must describe the measures implemented.

IMPLEMENTATION

REQUIRED DOCUMENTATION

Documentation	Project Using 2017 US EPA	Project Using Local Equivalent	Documentation	Project Using 2017 US EPA	Project Using Local Equivalent
Completion of Erosion and Sedimentation Control Plan	X		Documentation of implementation of erosion and sedimentation control plan		X
Documentation of implementation of erosion and sedimentation control plan		X	Documentation of implementation of erosion and sedimentation control plan		X
Documentation of implementation of erosion and sedimentation control plan		X	Documentation of implementation of erosion and sedimentation control plan		X
Documentation of implementation of erosion and sedimentation control plan		X	Documentation of implementation of erosion and sedimentation control plan		X

SS- PR - DESIGN

INTENT

To protect the health of vulnerable populations by ensuring that the site is assessed for environmental contamination and that any environmental contamination has been remediated.

POTENTIAL TECHNOLOGIES & STRATEGIES

- ☒ Contract with an environmental professional to prepare and implement a remediation plan. This may include additional investigation and must be completed with the approval of environmental regulatory agencies as necessary. sediment traps and sediment basins.

ENVIRONMENTAL SITE ASSESSMENT

REQUIREMENTS

Conduct a Phase I Environmental Site Assessment as described in ASTM E1527-13 (or a local equivalent) to determine whether environmental contamination exists at the site. If contamination is suspected, conduct a Phase II Environmental Site Assessment as described in ASTM E1903-11 (or a local equivalent). If a site is contaminated, remediate the site to meet local, state, or national environmental protection agency region residential (unrestricted) standards, whichever are most stringent.

IMPLEMENTATION

REQUIRED DOCUMENTATION

Documentation	No contamination, as confirmed by Phase I ESA (or local equivalent)	No contamination, as confirmed by Phase II ESA (or local equivalent)	Contamination, as confirmed by Phase II ESA (or local equivalent)
Phase I ESA or local equivalent assessment	X	X	X
Phase II or III ESA or local equivalent assessment		X	X
Documentation of contamination investigation			X
Verification that site has been remediated to residential use standards			X

Documentation	All Projects	Projects with Vegetated Earth
Site plan that indicates project boundary and campus or master plan boundary (if applicable), highlighting location and size of any open spaces, vegetated areas, plant species, wetlands or naturalistic main-road ponds (with slope slopes noted), and vegetated roads	X	
Open space and vegetated area calculations	X	
Description of how open space is physically accessible and meets area type or intent	X	
Floor-area ratio		X

Calculations for luminaires luminaires and luminaires installed above horizontal			
Graded vertical illuminance value for each vertical calculation plane at lighting boundary, calculate grid for one vertical plane with graded vertical illuminance (perpendicular to lighting plane) highlighting point of graded illuminance			