

## SUSTAINABLE SITES INITIATIVE

### Prerequisites & Credits

#### SITE SELECTION

1. Select locations to preserve existing resources and damaged systems.
2. Limit development of farmlands.
3. Protect flood plain functions
4. Preserve wetlands
5. Preserve threatened or endangered species and their habitats
6. Select brownfields or greyfields for redevelopment
7. Select sites within existing communities
8. Select sites that encourage non-motorized transportation and use of public transit

#### Pre-Design Assessment and Planning Plan for sustainability from the onset

9. Conduct a pre-design site assessment and explore opportunities for site sustainability
10. Engage users and other stakeholders in site design.

#### SITE DESIGN WATER

Protect and restore processes and systems associated with a site's hydrology

11. Reduce potable water use for landscape irrigation by 50% from established baseline( this is a minimum requirement)
12. Reduce potable water use by 75% or more from established baseline.
13. Protect and restore riparian, wetland and shoreline buffers.
14. Rehabilitate lost streams, Wetlands and shorelines.
15. Manage storm water on site.
16. Protect and enhance on-site water resources and receiving water quality.
17. Design rainwater/stormwater features to provide a landscape amenity
18. Maintain water features to conserve water and other resources.

#### SITE DESIGN-SOIL and VEGETATION

Protect and restore processes and systems associated with a Site's soil and vegetation

19. Control and manage known invasive plants found on site.
20. Use appropriate non-invasive plants.
21. Create a soil management plan
22. Minimize soil disturbance in design and construction
23. Preserve all vegetation designated as special status
24. Preserve or restore appropriate plant biomass on site.
25. Use native plants
26. Preserve plant communities native to the Eco-region
27. Restore plant communities native to the Eco-region.
28. Use vegetation to minimize building heating requirements
29. Reduce urban heat Island effects
30. Reduce the risk of catastrophic fire

#### SITE DESIGN-MATERIALS SELECTION

Reuse/recycle existing materials and support sustainable production practices

31. Eliminate the use of wood from threatened tree species
32. Maintain on-site structures, Hardscapes and landscape amenities
33. Design for deconstructing and disassembly.
34. Reuse salvaged materials and plants.
35. Use recycled content materials
36. Use certified wood
37. Use regional materials
38. Use adhesives, sealants, paints, and coatings with reduced VOC emissions
39. Support sustainable practices in plant production
40. Support sustainable practices in materials manufacturing

## SITE DESIGN-HUMAN HEALTH and WELL-BEING Build strong communities and a sense of stewardship

41. Promote equitable site development
42. Promote equitable site use
43. Promote sustainability awareness and education
44. Protect and maintain unique cultural and historic places
45. Provide for optimum site accessibility, safety and wayfinding
46. Provide opportunities for outdoor physical activities
47. Provide views of vegetation and quiet outdoor spaces for mental restoration
48. Provide outdoor spaces for social interaction
49. Reduce light pollution

#### CONSTRUCTION

Minimize effects of construction related activities

50. Control and retain construction pollutants.
51. Restore soils disturbed during construction
52. Restore soils disturbed by previous development
53. Divert construction and demolition materials from disposal
54. Reuse or recycle vegetation, rocks, and soil generated during construction
55. Minimize generation of greenhouse gas emissions and exposure to localized air pollutants during construction

#### OPERATIONS and MAINTENANCE

Maintain the sight for long-term sustainability

56. Plan for sustainable site maintenance
57. Provide for storage and collection of recyclables
58. Recycle organic matter generated during site operations and maintenance
59. Reduce outdoor energy consumption for all landscape and exterior operations
60. Use renewable sources for landscape electricity sources
61. Minimize exposure to environmental tobacco smoke
62. Minimize generation of greenhouse gases and exposure to localized air pollutants during landscape maintenance activities
63. Reduce emissions and promote the use of fuel-efficient vehicles

#### MONITORING and INNOVATION

Reward exceptional performance and improve the body of knowledge on long-term sustainability

64. Monitor performance of sustainable design practices
65. Innovation in site design

#### Additions to prerequisites and credits

#### URBAN FOOD PRODUCTION UTILIZING ECO-AGRICULTURE METHODS

Produce some organic foods on site that are organically grown.

66. Grow and harvest native edible foods that are integrated into restored regional plant communities on site using Eco-agricultural technology
67. Grow and harvest organic foods in raised beds, over structure or on architecture structures using Eco-agriculture technology
68. Grow and harvest annual and perennial food crops utilizing vertical farming technology
69. Produce animal protein on site with aquaculture technology and/or raising chickens/rabbits or other small fowl or mammals.
70. Establish edible mushroom cultures within regional native plant community gardens on site utilizing principles of Eco-agriculture.