



GREATER YELLOWSTONE FRAMEWORK  
FOR SUSTAINABLE DEVELOPMENT



INTENTS, REQUIREMENTS, AND SUBMITTALS  
GOVERNMENT REQUIREMENTS WORKSHEET



## GY-FRAMEWORK FOR SUSTAINABLE DEVELOPMENT SCORECARD

Yes	?	No		6 Possible Points
			<b>Project Planning and Investments</b>	<b>6 Possible Points</b>
<b>Y</b>			Prereq 1 <b>Asset Inventory and Spirit of Place</b>	REQUIRED
			Credit 1 <b>Region Based Accredited Professional</b>	1
			Credit 2 <b>Qualified Professional - Cultural Resources</b>	1
			Credit 3 <b>Local/Regional Business Support</b>	1
			Credit 4 <b>Sustainability Investments</b>	1 to 2
			Credit 5 <b>Continuous Improvement (Plan for Ongoing Compliance)</b>	1
			<b>Land Use and Conservation</b>	<b>13 Possible Points</b>
			Credit 1 <b>Sensitive Resources</b>	2
			Credit 2 <b>Slopes</b>	1
			Credit 3.1 <b>Views: Visual Quality</b>	1
			Credit 3.2 <b>Views: Night Sky</b>	1
			Credit 4 <b>Defensible Space</b>	1
			Credit 5 <b>Density and Open Space</b>	2 to 4
			Credit 6 <b>Brownfield Restoration</b>	1
			Credit 7 <b>Land Conservation</b>	1 to 2
			<b>Biodiversity</b>	<b>12 Possible Points</b>
			Prereq 1 <b>Co-existing with Wildlife</b>	REQUIRED
			Credit 1 <b>Preservation of Aquatic Resources</b>	1 to 3
			Credit 2 <b>Surface and Ground Water Conservation</b>	1 to 3
			Credit 3 <b>Habitat Conservation and Connectivity</b>	1 to 2
			Credit 4 <b>Vegetative Management</b>	1 to 2
			Credit 5 <b>Habitat Restoration and Enhancement</b>	1
			Credit 6 <b>Fence Siting and Materials</b>	1
			Credit 7 <b>Domestic Animal Management</b>	1
			<b>Cultural and Historical Values</b>	<b>9 Possible Points</b>
			Credit 1 <b>Cultural Resource Conservation and Management</b>	1 to 2
			Credit 2 <b>Conservation of Cultural/Historic Structures</b>	1 to 3
			Credit 3 <b>Historically Appropriate New Construction</b>	1 to 2
			Credit 4 <b>Cultural/Historic Interpretation and Documentation</b>	1 to 2
			<b>Recreation Resources</b>	<b>10 Possible Points</b>
			Credit 1 <b>Carrying Capacity</b>	1 to 2
			Credit 2 <b>Maximizing Recreation Opportunity</b>	2
			Credit 3 <b>Public/Private Land and River Access</b>	1 to 2
			Credit 4 <b>Outdoor Ethics and Education</b>	1 to 2
			Credit 5 <b>Rewarding Sustainable Operations</b>	1 to 2
			<b>Built Environment</b>	<b>15 Possible Points</b>

<b>Y</b>			Prereq 1	<b>LEED Prerequisites</b>	REQUIRED	
			Credit 1	<b>Optimize Energy Performance</b>	1 to 3	
			Credit 2.1	<b>Green Building Programs: Participation and Compliance</b>	1	
			Credit 2.2	<b>Green Building Programs: LEED Certification</b>	1 to 5	
			Credit 3.1	<b>Waste Management: Reduce and Recycle</b>	1 to 2	
			Credit 3.2	<b>Construction Waste: Materials Efficiency</b>	1	
			Credit 3.3	<b>Construction Waste: Reuse of Organics</b>	1	
			Credit 4	<b>Outdoor Spaces</b>	1	
			Credit 5	<b>Size of Residential Dwellings</b>	1	
Yes	?	No	<b>Public Service and Infrastructure</b>			<b>15 Possible Points</b>
<b>Y</b>			Prereq 1	<b>Code Compliance</b>	REQUIRED	
<b>Y</b>			Prereq 2	<b>Water Metering</b>	REQUIRED	
			Credit 1	<b>Shared Services: Energy/Water Efficiencies</b>	1	
			Credit 2	<b>Renewable Energy: Expanded Use</b>	1 to 3	
			Credit 3	<b>Carbon Emissions Reduction</b>	1 to 2	
			Credit 4	<b>Electrical Load/Demand Efficiency</b>	1 to 2	
			Credit 5	<b>Water Use Efficiency</b>	1 to 4	
			Credit 6	<b>Water Quality</b>	1	
			Credit 7	<b>Snow Plan</b>	1	
			Credit 8	<b>Utility Construction and Resource Management</b>	1	
Yes	?	No	<b>Transportation and Connectivity</b>			<b>10 Possible Points</b>
<b>Y</b>			Prereq 1	<b>Transportation Plan</b>	REQUIRED	
			Credit 1	<b>Alternative Transportation Amenities</b>	1 to 3	
			Credit 2.1	<b>Efficient Vehicles: Fleets</b>	1 to 2	
			Credit 2.2	<b>Efficient Vehicles: Alternative Fuels</b>	1 to 2	
			Credit 3	<b>Trails, Walkability, and Pathways</b>	1 to 3	
Yes	?	No	<b>Community Vitality</b>			<b>9 Possible Points</b>
<b>Y</b>			Prereq 1	<b>Community Engagement</b>	REQUIRED	
			Credit 1	<b>Housing Diversity</b>	2 to 3	
			Credit 2	<b>Mixed Use</b>	1 to 2	
			Credit 3	<b>Business/Employment Opportunities</b>	1 to 2	
			Credit 4	<b>Public Spaces: Availability and Access</b>	1 to 2	
Yes	?	No	<b>Special Credit Opportunities (not included in Project Total)</b>			<b>12 possible points</b>
			Credit 1	<b>Exceptional LEED Performance</b>	1 to 3	
			Credit 2	<b>Sustainable Agriculture</b>	3	
			Credit 3	<b>Site Development for Extraction Projects</b>	3	
			Credit 4	<b>Other Innovations</b>	1 to 3	
<b>Project Totals (pre-certification estimates)</b>					<b>100 Possible Points</b>	
40 - Certified points 50- Silver points 60 - Gold points 80 -Platinum points						
Format based on U.S. Green Building Council's LEED Rating System. Used with permission 2006						
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# PROJECT PLANNING AND INVESTMENTS

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Photo by Tom Devlin

**PPI PREREQUISITE: ASSET INVENTORY AND SPIRIT OF PLACE  
REQUIRED**

## INTENT

To gain a complete understanding of the site and its surroundings, and ensure that the development is responsive and respectful of its place in the Greater Yellowstone ecosystem.

Overarching themes for local government participants:

- 1) Remove barriers to achieving GYF credit strategies (enable)
- 2) Implement the GYF credit strategies on all local government funded projects. (lead by example)
- 3) Provide or incentives (and/or disincentives) to encourage the sustainable activity described in the GYF credit (carrot/stick)
- 4) Adopt the GYF credit strategy as policy for all projects within their jurisdiction, public and private (enforce)

## REQUIREMENTS

For Local Governments: Incorporated Towns, Cities, and Counties:

1. Prepare and adopt a comprehensive plan for the community within the past 7 years and have a regular schedule for review of the plan every 5 years and update as necessary.
  - a. Policies to be included in master plan should include wildlife habitat and migration corridor protection, identification and preservation of scenic areas, identification with review (every 10 years) of cultural and historic resources in the community and incorporation into the built environment.

- b. Land use regulations should require the inventory of Natural, Built, and Cultural environment on the site and a defined distance beyond the site. Show that review criteria are adopted which will require site development to respond to the documented conditions and community comprehensive plan.
- c. Local government should conduct public discussions centered around the jurisdiction's resources, to inform the public and determine what value the public assigns to these resources. Planning board is an appropriate entity to conduct review.
- d. Make sure baseline document is relevant

AND

- 2. Prepare a "Spirit of Place" statement of two pages or less describing the essence of the jurisdiction AND a description of the jurisdiction's location and influence on the natural environment, built environment and cultural environment as described above, including an analysis of human resources/human capital and who lives in the community.

AND

- 3. Compile a resource inventory/site description for the impact area that addresses the following categories:

- a. Natural environment—include a resource habitat and native vegetation inventory describing existing conditions of the impact area, vegetative cover and habitat. At a minimum, this category inventory must include the following:

- Identification and classification of xeric, mesic, non-mesic, and agricultural land cover types
- Identification of endangered species habitat (inventory should go at least ½ mile beyond impact area)
- Identification of forested areas and significant habitat
- Describe all wildlife, topography, water, view corridors and other landscape features
- Identification of a Natural Resources Overlay zone (including critical habitat areas, wildlife migration corridors, and view sheds)
- GIS Shape files of all bodies of water and GIS elevation file to show topography
- Smaller communities with limit resources should collaborate with local Conservation District, BLM, National Forest, environmental non-profits, etc, to establish these. The Orton Family Foundation awards grants to small communities to assist with planning, GIS, visioning, and community engagement processes

- b. Built Environment - Describe existing structures, utilities, transportation services and other infrastructures

- c. Cultural Environment - Describe historic buildings or archeological sites, significant events that occurred on or near the site, and community assets such as proximity to schools or churches

Explain how the jurisdiction functions in a larger regional setting (e.g. impact area may be in the heart of a 15,000 acre big game winter range, or ½ mile from a state park). Explain how impact area and vicinity features in all three categories shaped the community future. Identify jurisdiction's place in ecosystem (will yield area of impact/area of influence of community).

Identify all possible resources in the region that government could call upon to assist in achieving credits in the GY-Framework rating system.

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

1) Provide the GY-Framework Letter template, signed by the responsible party, declaring that the requirements have been met

AND

2) Copy of comprehensive plan and regulations, and resolution or ordinance adopting the plan (may be electronic)

AND

3) Spirit of Place Statement

AND

4) Resource inventory and site description (including survey forms, such as the existing form for the MT Historic Property Record, for each property in the municipality), covering the three categories above and how these features shape the community

## PPI Credit 1: Region-Based Accredited Professional

2 POINTS

### INTENT

To promote integration of sustainable design strategies into development projects by hiring accredited professionals from the Greater Yellowstone region.

### REQUIREMENTS

Local government has formed a multidisciplinary team of resource planning and design specialists, to support the jurisdiction's commitment to sustainable development principles.

At least one full time planner shall be a LEED AP or GYF AP, from the Greater Yellowstone region, for the project. (1 point)

At least one full time staff in building permits, public works or engineering shall be a LEED AP or GYF AP from the Greater Yellowstone region (1 additional point).

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GYF Letter Template, signed by the responsible party, declaring that the requirements have been met.

Provide documentation of accreditation.

## PPI CREDIT 2: QUALIFIED PROFESSIONAL - CULTURAL RESOURCES

1-2 POINTS

### INTENT

To support and encourage the integration of cultural and historic values important to the Greater Yellowstone region.

### REQUIREMENTS

At least one full time employee shall have a professional qualification in one of the following fields and shall be based in the Greater Yellowstone region: archeology, anthropology, history, historic architecture, or historic preservation. **(1 point)**

Qualifications can be met by: a baccalaureate degree plus two years of experience OR a graduate degree OR five years of work experience. Historic preservation job duties must include guidance for the treatment of historic properties, review of proposed projects affecting historic properties, and completion of historic resources survey.

AND/OR

Become a Certified Local Government through the State Historic Preservation Office AND have an element of the community comprehensive plan which specifically addresses cultural and historic resources in the community. **(1 point)**

Appoint a historic preservation board, or have an affiliation with an active local historical society, composed of persons with an established knowledge of the community's historic resources or with background in historic preservation **(eligible for 1 innovation point)**

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met. Include the professional's name, title, company or institution, contact information, and how the individual meets the qualification requirements.

Provide the latest certification report to SHPO if applicable.

Provide the establishing ordinance or resolution for the creation of historic preservation advisory board, or documentation of affiliation with active local historical society. Include the roster for the board, their qualifications, and the ordinance or resolution establishing their role.

Provide a job description for the historic preservation officer and proof that the officer is on the payroll.

### **PPI CREDIT 3: LOCAL/REGIONAL BUSINESS SUPPORT**

**1 POINT**

#### **INTENT**

To encourage diversity and prosperity in the local/regional economy by utilizing local professionals for your project's design and construction.

#### **REQUIREMENTS**

Establish purchasing and professional selection criteria giving preference to locally based (within 250 miles of jurisdiction) manufactured products, firms, and suppliers. Within public contracts, requests for submittals/qualifications, invitations to bid, and other public/private relationships, offer incentives for local/regional LEED/GYF accredited professionals to encourage and support local economies. **(1 point)**

If the successful contractor is local/regional AND 20% of the company is LEED/GYF accredited, an innovation point can be earned for exemplary performance.

#### **SUBMITTALS**

##### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met.

Provide documentation/copy of the ordinance/resolution establishing the preference for local and LEED/GYF accredited vendors, and requiring familiarity with location and local resources. Ordinance can include appropriate escape clauses.

## PPI CREDIT 4: SUSTAINABILITY INVESTMENTS

1 - 2 POINTS

### INTENT

To help dispersed populations become better connected and learn to live more sustainably. This credit will reward those who go beyond the minimum requirements to help underwrite real regional change.

### REQUIREMENTS

Have a formally adopted local government policy supporting sustainability, specifically including issues of growth, transportation, water conservation, etc. as part of local development regulations. Provide funding for a sustainability committee/task force to facilitate sustainability efforts.

AND

Create (1 point) and implement (1 point) a sustainability investment plan. Plan must include at least three action items with at least \$\_\_\_ budget commitments in place (\$minimum total investment TBD proportional to population), for initiating sustainable developments on a regular basis.

Choose at least one of the following options or bring forth other ideas for consideration:

1. Contribute financially to a community recycling program, household hazardous waste program, or electronic waste collection events to help reduce volumes of waste entering the landfill. (See [BE 3.1](#))
2. Invest in local efforts to bring in community shared services that will improve water, wastewater, and energy systems. **This contribution must go directly into an “earmarked or restricted” account specifically for conservation or environmental preservation and NOT into the general fund of the receiving organization.** (See [PSI 5](#)).
3. Work with local utility to construct an on-site renewable energy project that has an ROI of less than five years.
3. Contribute to an established outdoor education program to deliver comprehensive interpretive programs that cover topics important to the region such as natural history, ecology, culture, history and geological features specific to the area. (See [RR 4](#))
4. Contribute financially to local community foundation that serves local non-profits, restricting the money to be used to meet the intent of this credit
5. Establish or participate in a transit plan for the locality and its surrounding communities
6. Become a signatory to the Mayor’s Climate Protection Agreement

All investments must be above and beyond mandates and existing levels.

An innovation point can be earned for being the lead sponsoring agency of such a program and having a commitment or history of more than three years.

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GYF Framework Letter Template, while attaching the ordinance or resolutions that establish participation with the established criteria.

Provide documentation of participation and leadership in sustainability investment programs.

Provide a narrative of action taken with a plan to continue implementation.

**PPI CREDIT 5: CONTINUOUS IMPROVEMENT (PLAN FOR ONGOING COMPLIANCE)**

**1 POINT**

**INTENT**

To ensure continued compliance with awarded credits.

**REQUIREMENTS**

Create a plan for review of progress and regular public reporting of progress at least annually for five years.

AND

Prepare a compliance plan that lists all the credited items, including a statement committing to update the GYF on a regular basis.

AND

Commit to continuous improvement in any two credit categories, including opportunities for innovation.

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter template, signed by the responsible party, declaring that the requirements have been met.

AND

Copy of Compliance Plan

AND

Letter of commitment signed by Chief Executive to at least five steps (20 total) in any four categories. The letter should include: why these credits are important to the project, how the commitment will be kept, what processes are in place or will be put into place to support ongoing upgrades, who will be responsible for implementation, monitoring, and reporting progress and challenges, and the budget source for continuous improvement.

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## Land Use and Conservation

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### LUC CREDIT 1:

### SENSITIVE RESOURCES

2 POINTS

### INTENT

To preserve ecosystem processes, while minimizing cultural and environmental impacts from use and development in the Greater Yellowstone region.

### REQUIREMENTS

Establish regulations that do not allow new development of buildings, hardscape, roads, or parking areas on portions of sites that meet any of the following criteria: (2 points)

- Prime farmland as defined by the United States Department of Agriculture in the United States Code of Federal Regulations, Title 7, Volume 6, Parts 400 to 699, Section 657.5 (citation 7CFR657.5).
- Cultural or historic areas, including Native American gravesites, trail rest stops, river accesses etc.
- Previously undeveloped land whose elevation is lower than 2 feet above the elevation of the 100-year flood as defined by FEMA (crossings are allowed which minimize encroachment)
- Previously undeveloped land which is specifically identified as habitat for any species on Federal or State threatened, endangered, or species of concern lists.
- Within 100 feet of any wetlands as defined by United States Code of Federal Regulations 40 CFR, Parts 230-233 and Part 22, and isolated wetlands or areas of special concern identified by state or local rule, OR within setback distances from wetlands prescribed in state or local regulations, as defined by local or state rule or law. On a previously undeveloped site, the setback should be whichever is more stringent. On an infill site, the local or state rule or law shall be the required setback.

- Previously undeveloped land that is within a minimum of 100 feet from all natural jurisdictional bodies of water OR within setback distances prescribed in state or local regulations, as defined by state rule or law, whichever is more stringent.
- Land which prior to acquisition for the project was public land, unless land of equal or greater value (as defined by public landowner) as public land is accepted in trade by the project landowner. It is the intent of this criterion that the public landowner has valued and identified the potential trade parcel as appropriate. Any public access points existing prior to a trade shall remain.

There may be some revisions to the above standards; for example, a cultural site may include an existing building. Additions can be done appropriately. Compliance with the Secretary of the Interior's standards for Historic Preservation is required.

AND

Provide incentives for developments that follow this credit. Incentives could include faster review time, discounted fees, more streamlined process.

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter template, signed by the responsible party, declaring that the requirements have been met.

AND

Provide documentation that supports the local government's commitment to protecting sensitive resources (maps, ordinances, codes, transfer of development rights programs, establishment of overlays, etc.).

## LUC CREDIT 2:

## SLOPES

### 1 POINT

### INTENT

To minimize disturbance, erosion of steep slopes, and changes in grade; reduce habitat impacts, cleared area and cut and fill volume; and diminish fire and earthquake danger.

### REQUIREMENTS

Establish land development regulations (with allowance for appropriate variances) that meet the following standards:

Build on sites that have no slopes greater than 25%. **(1 point)**

**OR**

On **previously developed sites** with slopes greater than 25%.

- Treat any fractions of the site that have not been **previously developed** by complying with the requirements for sites that are not previously developed as set forth below; **(1 point)**

Reduce disturbance and erosion by:

- Green design and construction to reduce cut and fill volume
- Using mechanically stabilized earth, soil nails, or other retention systems to reduce cut and fill volume of roads, parking lots, and graded areas, as well as resist erosion
- Using best available control technology for erosion control
- Restoring slopes with native or adapted vegetation

Apply creative evaluation and technology by:

- Geological analysis to facilitate development on slope segments that are less vulnerable to erosion and slope instability, and are capable of standing at steeper angles (e.g., resistant bedrock)
- In rare instances, tunneling
- Biological evaluation to reduce habitat impact (e.g., some slope segments may have vegetation that is less attractive to wildlife)
- No flat topping of hillsides.

**Note:** Some codes and guidelines suggest setbacks from top and toe of steep slopes. It is typical to avoid construction within 50 feet of the top of the slope, and 75 feet from the toe of the slope. These values may be revised by geotechnical evaluation of slope stability.

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GYF Framework Letter Template, signed by the responsible party, declaring that the requirements have been met.

AND

Provide a copy of the pertinent code(s) or ordinance(s) demonstrating compliance with this credit.

LUC Credit 3.1:

Views: Visual Quality

1 POINT

### INTENT

To minimize the impacts of development on existing viewsapes.

### REQUIREMENTS

Adopt land use regulations which address the following issues:

#### All Projects:

- Off-site signage or billboards are prohibited. (Directional signs that comply with local signage regulations during initial construction are acceptable).
- No sign may be backlit. Any lighting must comply with the Night Sky (LUC 3.2) requirements.
- No temporary signage is permitted in place for more than 30 days. (Signs during construction process are excluded.)
- If signs are present, comply with local design guidelines or regulations.
- Incorporate cell or communication towers or devices into the built environment or locate so that they are not visible from off-site within 1.5 miles.

#### AND

#### Previously Undeveloped Sites:

- Locate development so that it is not on a ridgeline or hill that may protrude into the skyline when viewed from a federal, state or county road within 2 miles. Place development so when viewed against forests or vegetative hillsides it is camouflaged.
- Forestry and Vegetative Communities - Provide documented evidence that clearing and grubbing efforts completed during site development are a long term betterment to existing ecosystem and done in a manner to mimic the natural patterns of relative communities (i.e., tree farm federal program, mitigation, defensible space to area, etc.)
- Balance of materials on site - Development that does not require additional landform created or displaced beyond the boundaries of property.
- Choose exterior finish materials of colors that are earthy color tones or complement the surrounding environment.
- Identify scenic resources/critical viewsapes and implement policies that require development be placed outside of these areas

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GYF Framework Letter Template

AND

Provide the policies, code(s), or ordinance(s) demonstrating compliance with this credit.

## LUC CREDIT 3.2:

## VIEWS: NIGHT SKY

1 POINT

### INTENT

To minimize light trespass from the building and site, reduce sky-glow to increase night sky access, improve nighttime visibility through glare reduction, and reduce development impact on nocturnal environments.

### REQUIREMENTS

Adopt lighting regulations and local night sky ordinances that meet the following minimum standards:

#### For Interior Lighting:

The angle of maximum candela from each interior luminaire as located in the building shall intersect opaque building interior surfaces and not exit out through the windows.

**OR**

All non-emergency interior lighting shall be automatically controlled to turn off during daylight and non-business hours. Provide manual override capability for after hours use.

**AND**

#### For Exterior Lighting:

Adopt policies for jurisdiction's own operations, including monochromatic lights, dark sky compliant standard fixtures for public spaces (such as roadways; include photo sensitive switches), and regulations limiting the maximum output, direction and height of exterior lighting in accordance with established industry standards.

Only light areas as required for safety and comfort. Do not exceed 80% of the lighting power densities for exterior areas and 50% for building facades and landscape features as defined in ASHRAE/IESNA Standard 90.1-2004, Exterior Lighting Section, without amendments. All projects shall be classified under one of the following zones, as defined in IESNA RP-33, and shall follow all of the requirements for that specific zone:

#### **LZ1 – Dark (Park and Rural Settings)**

Design exterior lighting so that all site and building-mounted luminaries produce a maximum initial luminance value no greater than 0.01 horizontal and vertical foot-candles at the site boundary and beyond. Document that 0% of the total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down).

#### **LZ2 – Low (Residential areas)**

Design exterior lighting so that all site and building mounted luminaries produce a maximum initial luminance value no greater than 0.10 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 10 feet beyond the site boundary. Document that no more than 2% of the total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down).

For site boundaries that abut public rights-of-way, light trespass requirements may be met relative to the curb line instead of the site boundary.

#### **LZ3 – Medium (Commercial/Industrial, High-Density Residential)**

Design exterior lighting so that all site and building mounted luminaries produce a maximum initial luminance value no greater than 0.20 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 15 feet beyond the site. Document that no more than 5% of the

total initial designed fixture lumens are emitted at an angle of 90 degrees or higher from nadir (straight down). For site boundaries that abut public rights-of-way, light trespass requirements may be met relative to the curb line instead of the site boundary.

**LZ4 – High (Major City Centers, Entertainment Districts)**

Design exterior lighting so that all site and building mounted luminaries produce a maximum initial luminance value no greater than 0.60 horizontal and vertical foot-candles at the site boundary and no greater than 0.01 horizontal foot-candles 15 feet beyond the site. Document that no more than 10% of the total initial designed site lumens are emitted at an angle of 90 degrees or higher from nadir (straight down). For site boundaries that abut public rights-of-way, light trespass requirements may be met relative to the curb line instead of the site boundary.

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the regulations/codes/ordinances demonstrating compliance with this credit

AND

Provide certification by CEO that replacement fixture process is planned, underway or completed.

## LUC CREDIT 4: DEFENSIBLE SPACE

2 POINTS

### INTENT

To minimize risk of damage from natural hazards such as floods, avalanches, fires, landslides, and earthquakes by approved design and construction techniques.

### REQUIREMENTS

Establish land development regulations to meet the following requirements:

- Adopt building codes that comply with all applicable elements of the **most recent edition of the international building codes** or the most recent edition published by the International Code Council, [www.iccsafe.org](http://www.iccsafe.org)
- Require performance of flood hazard, wind, earthquake, fire, geological and avalanche risk assessments for all projects as applicable; incentivize selection of site locations in areas out of aforementioned hazards. Where avoidance is not possible, provide mitigation measures that overcome aforementioned hazards, in ways that do not degrade sensitive resources. Mitigation measures must be designed and applied through multidisciplinary effort.
- Exceed the federal floodplain standards by 1 foot above base elevation
- Do not allow re-subdividing in the floodplain from this point forward and create separate regulations to deal with existing parcels in the floodplain
- Adopt the Wildland Urban Interface Code or establish regulations to avoid the Wildland Urban Interface as a first option; if avoidance is not possible, then require compliance with Fire Wise standards
- Require submittal of hazard susceptibility analysis with development applications
- Require building inspections by a qualified third party (a county or municipal building department inspection satisfies this intent) (3 points)

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide documents (building codes, ordinances, maps, natural hazard report, etc) demonstrating compliance with the intent of this credit

## LUC CREDIT 5: DENSITY AND OPEN SPACE

1-3 POINTS

### INTENT

To encourage development within existing communities and developed places, to preserve open space and to reduce multiple environmental harms associated with sprawl.

### REQUIREMENTS

Establish land development regulations that meet the following requirements for private development:

Design and build the project to achieve the average densities of dwelling units (DU) and/or non-residential floor area ratios (FAR) per buildable land shown below:

Residential areas:

DU	FAR	Points
6 to 10 DU/acre	.50 to .80 FAR	1 point
11 to 18 DU/acre	.80 to 1.0 FAR	2 points
>18 DU/acre	1.0 to 1.35 FAR	3 points

OR

Commercial/Industrial, Multi-use, High-Density Residential:

DU	FAR	Points
10 to 18 DU/acre	.80 to 1.0 FAR	1 point
19 to 28 DU/acre	1.0 to 1.35 FAR	2 points
>28 DU/acre	1.35 to 2.0 FAR	3 points

OR

For Non-Residential uses:

Design and build the project using a plan that could accommodate a change of use. Develop concept master plans that layout several alternate uses, i.e., residential units above parking areas, office use in retail space and/or retail use of ground floor residential space. Structure platting and covenant documents to provide for a reasonable review of such changes.

AND

If within a municipality, locate the project in either of the following locations:

- An infill site
- A previously developed site

**LUC Credit 5: Density and Open Space (continued)**

**OR**

If the development is outside of a municipality or areas at the minimum densities referenced above, develop the project using the following limitations

Location		Minimum Open Space reserved for future development with appropriate opportunities for extension of development infrastructure
Distance from City Limits	0 - 0.5 miles	20%
	>0.5 - 2 miles	45%
	>2 - 3 miles	50%
	>3 miles	70%

Provide opportunities for increased density and urban infill to meet (or exceed) the above standards and enact growth boundaries to protect undeveloped lands at a distance from city centers. Ensure that suitable services are in existence for new developments (responsible site selection)

City Requirements: Implement programs or policies that result in 75% of jurisdiction's new development achieving average densities shown below:

DU	Points
6-10 DUs/acre	1 points
11-18 DUs/acre	2 points
>18 DUs/acre	3 points

- Provide facilities planning to support development of centralized water and sewer systems sufficient to provide services to densities at or in excess of six DU per acre.
- Provide funding plan for on-going upkeep of urban infrastructure.
- Develop programs and standards to facilitate infill development and redevelopment that respects and is compatible with the community.
- Allow small lot development =>5,000 sq ft/home, provide at least ½ residential area of community allows attached homes, have development standards which allow the densities shown in the tables 1 and 2.

- Provide incentives for more density closer to town and incentives for citizen-based zoning initiatives.
- Target areas for redevelopment and provide density bonuses for those areas.

**County Requirements:** Implement land use policies that encourage responsible concentrated development instead of low density.

- Support rational and planned extension of municipal services and boundaries (i.e. fees significantly higher as distance increases from city).
- Identify urban development overlay and perform assessment of opportunities for urban development in comparison to rural development. Do not allow low density development that inhibits urban development and extension of urban services. Establish a minimum percentage of “urban” land to “rural” land before development can occur in rural areas
- Encourage cluster development in rural areas, encourage development within local established communities,
- Implement county-wide zoning and establish a transfer of development rights (TDR) program to allocate density from under-developed lands to municipalities.

## SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the pertinent ordinance(s)/code(s)/regulation(s) demonstrating compliance with the intent of this credit

## LUC CREDIT 6: BROWNFIELD RESTORATION

1 POINT

### INTENT

To reduce pressure on undeveloped land by encouraging the reuse of sites where development must remediate previous environmental contamination.

### REQUIREMENTS

Establish land development regulations or programs to address sites, part or all of which are documented as contaminated (by means of an ASTM E1903-97 Phase II Environmental Site Assessment or a local Voluntary Cleanup Program) or defined as brownfield by a local, state or federal government agency by:

- Identify potential sites in an overlay map. Establishing an urban/brownfield renewal district to spur development on sites.
- Providing incentives or density bonuses for redevelopment of such sites
- Providing technical support or local government endorsement on clean-up plans, planning for infrastructure needed to support redevelopment, cost-sharing for remediation, and documenting known contaminated sites within the community. Remediate site contamination such that the controlling public authority approves the protective measures and/or clean-up as effective, safe, and appropriate for the future use of the site.

**Note:** EPA Superfund Brownfield sites in areas identified by state level equivalent programs to those listed above will also qualify.

### SUBMITTALS

For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the ordinance(s)/regulation(s)/policies demonstrating compliance with the intent of this credit

AND

If applicable, provide confirmation of site being defined as a brownfield or contaminated site and narrative describing the site contamination and remediation efforts undertaken or to be undertaken.

## LUC CREDIT 7: LAND CONSERVATION

1 - 2 POINTS

### INTENT

To preserve in perpetuity undeveloped lands that have important natural or cultural resources.

### REQUIREMENTS

Establish regulations which protect critical habitat and sensitive vegetative areas. (1 point)

- Create open space plan that 1) reflects local open space values; 2) assesses the open spaces for their potential role in shaping an overall open space system that will provide the framework for future development; and 3) outlines at least three action items (with project schedule and budget commitment) for using existing tools or creating new ones, for putting the open space system into place.
- Have at least one employee (does not have to be full time) responsible for open space planning and management
- Use inventory created in PPI Prerequisite, Asset Inventory and Spirit of Place Statement, to identify areas for development restrictions and/or prohibitions or eligibility for use of public funds for its acquisition.
- Provide incentives for the additional protection of undeveloped lands through conservation easements, Transfer of Development Rights or other programs. Local land regulatory agency must accept the location of off-site land and the effective voluntary TDR potential.

AND/OR

Actively participate in open space bonding and other acquisition approaches to obtain critical habitat and sensitive vegetative areas and provide long-term protection. Land for this credit may not be used as mitigation required by law. (1 point)

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the regulation(s)/code(s)/policies/plan(s) demonstrating compliance with the above intent and requirements.

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# BIODIVERSITY

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Photo by Kath Williams

## **BD PREREQUISITE 1: CO-EXISTING WITH WILDLIFE REQUIRED**

### **INTENT**

To advance practices that minimize the potential for conflicts with wildlife and support a harmonious and safe relationship between humans and the environment.

### **REQUIREMENTS**

Establish or cooperate in education programs to minimize conflicts with wildlife.

- Establish standards for government activities, such as landfills or parks, which avoid animal conflicts: i.e. routine trash pickup, storage in animal safe containers, landfill cover and control
- Create affiliation with local wildlife professional (fisheries, wildlife biology, local university)
- Provide enforcement training and education to staff
- Establish land use regulations that require developers to properly contain all animal attractants (garbage, recycling, composting, and domestic animal food) in animal safe/bear proof containers, eliminate private feeding of wildlife (salt licks, bird feeders, etc.) that lead to conflicts, and employ sustainable storage for organic composting on farms and ranches
- In primary conservation areas or areas defined as occupied bear habitat, by the appropriate state wildlife agency, implement a plan for no new fruit trees, no stocking of ponds that are storing water for fire fighting, landscaping, etc., no permanent outside grills, gardens/livestock/pet areas fenced to keep wildlife OUT
- Work with the local conservation district to create brochures and disseminate information

### **SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

**Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met**

**AND**

Provide a copy of the regulations, guidelines developed, strategies adopted, and evidence of capacity to implement the guidelines and strategies

## BD CREDIT 1: PRESERVATION OF AQUATIC RESOURCES

1 - 3 POINTS

### INTENT

To preserve continuity and function of waterways and wetlands.

### REQUIREMENTS

Establish regulations (2 points) or incentives (1 point) which protect watercourses and wetlands (which fall outside the jurisdiction of the Army Corps of Engineers) as outlined below:

Construction on sites adjacent to streams is commonly evaluated by floodway requirements: i.e., whether the site is within the 100-year floodplain. The actual impact of development is a function of the extent to which the development impedes fluvial processes, which include meander migration and other changes that need to be anticipated during the planning stage. Similarly, wetland impacts are commonly judged by affected acreage, rather than overall effects to function.

**Wetlands and Stream Channels:** The meander belt of a waterway is roughly outlined by the outside extent of the existing stream channel and includes associated wetlands.

- Require identification and provide incentives for mapping/analysis of wetlands and watercourse for all development projects
- Development within this belt should be restricted, unless it can be established by professional evaluation that the channel is entrenched (i.e., that meander migration no longer occurs).
- Channel armoring is discouraged but may be permitted tangential to the outside of the meander belt, if it does not hinder downstream migration of meanders. Armoring must be consistent with natural material exposed in stream banks.
- Development within jurisdictional wetlands on any given site shall be avoided if possible. If any development occurs in wetlands, steps must be taken to enhance wetland continuity and function. Constructed wetlands must not only meet acreage requirements but must be demonstrated by professional evaluation to be consistent in function with patterns of existing regional wetlands. Consistency of function may include continuity with existing wetlands, unless the regional pattern is small, isolated wetlands (e.g., glacial potholes).

### Aquatic Habitat:

- Development should enhance patterns of shading, introduction of woody debris, and other off-channel impacts to streams. Constructed or reclaimed streams should mimic regional channel patterns for similar streams, including channel geometry, meander wavelength, riffle and pool sequencing, and gradient. An aquatic biologist should evaluate potential aquatic effects of any instream improvements.
- Constructed water features, primarily referring to off-channel self-contained ponds and small waterways are generally discouraged in the Greater Yellowstone region. If considered, they must enhance function and continuity of existing wetlands and maintain water and sediment delivery to adjacent streams. Instream dams on perennial streams must be demonstrated to preserve seasonal flow patterns and sediment delivery. Constructed channels should mimic similar natural channel patterns.
- All stocked fishing pond species must be sterile and stocking must be certified from an approved state agency. No credits will be awarded if stocked ponds have connectivity with natural aquatic

systems. If water is diverted from streams that contain native fish populations, the diversions on that stream should be passable by native fish. The diversion should be constructed in a manner that would prevent entrainment.

AND/OR

Provide demonstration projects or educational programs to emphasize the importance of waterway and wetland preservation, as well as constructed wetland design and design to promote aquatic habitat. **(1 point)**

Jurisdictions must go above and beyond minimal existing requirements to achieve points for this credit.

### **SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the regulation(s)/policies/documents demonstrating compliance with the intent and requirements of this credit.

## **BD CREDIT 2: SURFACE AND GROUND WATER CONSERVATION**

**1 -3 POINTS**

### **INTENT**

To preserve or improve water quality and quantity at and near the developed area.

### **REQUIREMENTS**

Create and implement a water conservation program incorporating both maintenance of any public systems and education to citizens. Create a surface and ground water conservation plan with the assistance of hydrologists and water quality specialists that will protect water quality and quantity in streams and groundwater sources. The plan must identify ways to conserve water quantity and quality through reduced irrigation, efficient systems, alternative sources of water for irrigation, water harvesting and storage, and storm water runoff. The plan should:

- Prevent contamination of ground water from septic systems and other pollution sources and promote connecting to or building central sewer systems.
- Address application of fertilizers and pesticides; minimize fertilizers and pesticides on jurisdiction. Create plan and allow for noxious weed control
- Show that all federal permit requirements, Low Impact Development (LID) strategies and Best Management Practices (BMP) have been followed for managing storm water runoff, both quality and quantity.
- Do not require water consumptive plants; encourage native and drought tolerant plants
- Allow use of rain capture for landscape irrigation and provide information and resources to citizens to be effective and safe. [www.harvestingrainwater.com](http://www.harvestingrainwater.com)
- Implement policies limiting irrigated landscaping and watering times
- Develop pay structures to heavily charge over-use and provide reduced impact fees for water conservation measures
- Sponsor education on native and quality xeriscape design
- No code enforcement rules for lawn height barriers
- Collaboration with Fish & Game, conservation districts, non-profits working on water issues is highly beneficial (1 point)

### **AND FOR UP TO 2 ADDITIONAL POINTS**

**Meter all jurisdiction water consumption (2 points)**

### **SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copies of the plan/ordinance(s)/policies/program(s) implemented that demonstrate compliance with the intent of this credit.

### BD CREDIT 3: HABITAT CONSERVATION AND CONNECTIVITY

1-2 POINTS

#### INTENT

To reduce or mitigate habitat impacts and fragmentation associated with new developments.

#### REQUIREMENTS

Identify key habitats and corridors within jurisdictional boundaries. Provide incentives or guidelines for the protection of designated habitat areas. Provide opportunities to increase habitat potential through corridors or areas.

- Contact the relevant state wildlife agency and request the following information to ensure understanding of, and compliance with, its official Comprehensive Wildlife Conservation Strategy (CWCS). If the agency is unable to provide such information, other creditable entities, such as the US Fish and Wildlife Service or the state's Natural Resource Data Center, may provide needed documentation. Use programs similar to the MT FWP's: <http://fwp.mt.gov/wildthings/livingwildlife/buildingWithWildlife.html>
- Contact the state wildlife agency and request pertinent habitat information for the site and its vicinity to ensure understanding of the wildlife resources that may be impacted by site development. One useful information source may be the state's Comprehensive Wildlife Conservation Strategy (CWCS) or State Wildlife Action Plan, and any updates. If the state wildlife agency is unable to provide such information, other creditable entities, such as the US Fish and Wildlife Service or the state's Natural Resource Data Center, may provide needed documentation.
  - Identify Species of Greatest Conservation Need (SGCN) and determine key habitat needs required to sustain each identified SGCN.
  - If any of the identified SGCN species are migratory, locate any corridors on the property that are accommodating or can accommodate seasonal wildlife movement.
- Prioritize and encourage development within existing municipalities and other development clusters rather than in undisturbed areas
- A) Avoidance of Key Habitats and Corridors: Establish growth boundaries/development regulations that ensure development design completely avoids and permanently protects habitats and corridors for all Species of Greatest Conservation Need in jurisdiction. (2 points)

OR

- B) Habitat Mitigation Credit: Select the three SGCN species most impacted by the jurisdiction for the design of habitat stewardship on or off-site. Evaluate the relevant habitat needs of each target species. For each potential habitat, evaluate how the area will accommodate target species needs. The plan must outline conservation goals and identify at least three impact mitigation measures for which project scheduling and budget measures are in place. It must specifically address: vegetation, lighting, noise, proximity, and domestic animals including pets, and demonstrate adequate implementation capacity. (1 point)

AND/OR

- C) Corridor Mitigation Credit: Design corridor stewardship plans for all migratory SGCN species impacted on the site. Evaluate the relevant corridor needs (including flyway) of each target species.

For each potential corridor, establish overlay districts and evaluate how the area will accommodate movement by each target species. The plan must outline conservation goals and identify at least three impact mitigation measures for which project scheduling and budget measures are in place. It must specifically address: vegetation, lighting, noise, proximity, and domestic animals including pets, and must demonstrate adequate implementation capacity. (1 point)

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a map of the jurisdiction which identifies the ecological system in which the jurisdiction is located and delineates habitat areas for SGCN

AND

Provide official documentation from the state wildlife agency or other creditable entity that identifies each SGCN species within the jurisdiction and lists those that will require habitat and/or corridor mitigation

AND

Provide a copy of the relevant regulation(s)/plan(s) that demonstrate compliance with the intent of this credit

## BD CREDIT 4: VEGETATIVE MANAGEMENT

1 - 2 POINTS

### INTENT

To conserve productive wildlife habitat by preserving native vegetation where feasible and by controlling invasive plant species.

### REQUIREMENTS

Prepare and implement an invasive/noxious weed management and monitoring plan and program for jurisdiction to identify and reduce the impacts of invasive plants **(1 point)**.

- Plan and program should utilize Integrated Pest Management (IPM) strategies to control the spread of invasive/noxious species within the jurisdiction, and identify goals and recommended actions for maintaining vegetative cover in a healthy condition. Use the National Invasive Species Management Plan <http://www.invasivespeciesinfo.gov>.
- Inventory and map noxious weeds in the jurisdiction in cooperation with weed management district; designate areas that need restoration and prioritize them based on urgency. Consider alternatives to toxic spraying as removal technique. Consider rangeland mitigation in context to adjacent riparian and water courses
- Provide educational programs to highlight the importance of invasive/noxious weed identification and management.

Establish land development regulations that guide development within jurisdiction **(1 point)**

- Require developers and landowners to control invasive/noxious weeds on site and avoid disturbance to/restore native vegetation on site, throughout the buildout of a project.
- Require surface revegetation within a defined period
- Encourage avoidance/minimization of site disturbance
- Encourage development in areas that no longer possess native vegetation and/or habitat value, or cannot be restored to provide crucial wildlife habitat
- Require preservation of native vegetation critical to habitat conservation, including development of a master plan for maintaining existing and restored vegetation
- All noxious weeds should be eradicated prior to commencement of any construction project
- Implement restrictions that permit the planting of only native or non-invasive species in any landscaping
- Implement policy of contact avoidance with noxious weed infested areas. Seeds can become stuck in tire treads or mud on the vehicle and carried to unaffected areas.
- Avoid transport of unidentified flowering plants
- Require development site plan and summary report that includes the following:
  - Alternative site designs that must include measures taken to avoid impact to critical vegetation and habitat
  - Summary of the critical findings related to protection of habitat and vegetation

- Outline of a long-term management plan that identifies responsible resources and funding in order to protect the habitat and vegetation
- The inventory and report must be prepared by a professional who possesses the proper experience, education, certifications, and strong understanding of native ecology. Work with a local weed management district to determine the appropriate strategy for preserving native species

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the jurisdiction's weed management and monitoring plan/program(s) and implementation schedules for eradication and control of noxious/non-native vegetation and monitoring of vegetation within jurisdiction

AND

Provide existing conditions site plan, inventory and map(s) for noxious/invasive species infestations in jurisdiction

AND

Provide a copy of the pertinent regulation(s)/ordinance(s)/policies and implementation plans that demonstrate compliance with the intent and requirements of this credit

## **BD CREDIT 5: HABITAT RESTORATION AND ENHANCEMENT**

**1 POINT**

### **INTENT**

Re-establish native wildlife habitat to pre-development conditions where site restoration is feasible **OR** promote biodiversity by enhancing wildlife habitats on disturbed/developed sites.

### **REQUIREMENTS**

Identify critical areas for habitat restoration and enhancement within the jurisdiction and provide education and incentives for developers to effectively produce such features.

- Encourage and allow use of native and/or water-wise species in any required landscaping for development
- Do not permit any new artificial water features requiring pumps (not including storm water services, swimming pools, etc); ponds must be < 0.5 acres and/or must be designed so there is less than \_% evaporation loss
- Do not encourage monocultures such as blue grass lawns; have a communication plan to encourage habitat friendly landscaping appropriate to the area
- Use public spaces as demonstration projects for good design using habitat friendly and other native species
- Identify previously disturbed areas (excluding existing and in-use building or road footprints, associated structures, walkways, decks, etc) that, if restored, would enhance the overall value of the property where located in terms of habitat and wildlife values. Require either restoration or enhancement of identified disturbed areas.

### **SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of pertinent regulation(s)/plan(s)/program(s) that demonstrate compliance with the intent and requirements of this credit

## BD CREDIT 6: FENCE SITING AND MATERIALS

1 POINT

### INTENT

Preserve the integrity and function of wildlife and riparian corridors by minimizing the amount of property fencing and where installed, using only wildlife friendly designs and materials.

### REQUIREMENTS

Identify and protect key corridors within jurisdictional boundaries where fencing may impact wildlife and riparian corridors. Provide education and incentives on the use of wildlife friendly fencing. Establish regulations to restrict fencing within important wildlife habitat conforming to the below guidelines:

- Review existing fencing regulations to remove barriers
- Minimize Fencing:
  - Use native vegetation (where they exist as a natural feature of the landscape), including trees and shrubs, to act as perimeter fencing
  - Do not erect rigid fencing within any riparian and wildlife corridors
  - Restrict cross property fencing to within a 25 foot radius of a housing site for the purpose of controlling domestic pets
  - Use temporary fencing when only seasonal or intermittent fencing is required
- Make Fencing Wildlife Friendly:
  - Follow the fencing specifications provided below. The asset inventory should show if the property contains big game range, any important seasonal migration corridor, wildlife watering areas, and/or road or highway frontage
  - No fencing shall be of buck and rail design unless a step-down is added every 500 yards for wildlife migration.
- Privacy fencing in town cannot create dead ends; if a situation exists, development must incorporate removable sections in the winter to allow for wildlife passage

### SUBMITTALS

#### For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of pertinent regulation(s)/policies/program(s) that demonstrate compliance with the intent of this credit

AND

Where applicable, provide copy of site plans or maps identifying existing or planned fence lines

## **BD CREDIT 7: DOMESTIC ANIMAL MANAGEMENT**

**1 POINT**

### **INTENT**

Reduce disturbance to wildlife from domestic animals.

### **REQUIREMENTS**

Through a combination of education and ordinance, address the following issues with a domestic animal management plan. Plan must include:

- Outreach and education for domestic animal management
- Provide designated dog parks, litter bags and disposal cans at trailheads, parks and in appropriate public gathering spaces
- Regulations stating that pet litter/waste is the responsibility of pet owner and must be cleaned up
- Regulations prohibiting the release of unwanted pets, including fish, reptiles and rodents
- Prohibition of feeding of feral cats
- Provide education and encouragement to pet owners to neuter or spay their dogs and cats
- Encourage use of (and require use of within government entity's own operations) environmentally safe rodent control methods
- Requirement that all pets should be kept indoors, in outdoor enclosures, on a leash or under voice control

### **SUBMITTALS**

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of pertinent ordinance(s)/policies/program(s) demonstrating that the intent and requirements of this credit have been met

## CULTURAL & HISTORIC VALUES



Photo by Jana K. Felt

### CHV CREDIT 1: MANAGEMENT

### CULTURAL RESOURCE CONSERVATION AND

2 POINTS

#### INTENT

To preserve significant cultural sites from adverse impact or, if adverse impacts to site can not be avoided, mitigate the impact through research and documentation. (See [Glossary](#) for definition of significant cultural sites.)

#### REQUIREMENTS

Avoid adversely impacting significant cultural sites or if a significant cultural site will be impacted, recover information based upon a scientific research design. If proposed developed area includes, or is in close proximity to, a significant cultural site, prepare an impact statement and present it to the local authority for approval. The local authority could be a State, Tribal, and/or Local Historic Preservation Officer.

Develop a local Cultural Resource/Historic Preservation Plan and Policies for your jurisdiction. (2 points)

- Identify and inventory significant cultural and historical resources in jurisdiction
- Identify cultural resource/historic preservation issues, challenges and opportunities in the jurisdiction, state an overlying vision, and identify goals and objectives for the local government's cultural resource/historic preservation policy
- Establish requirements for documentation of historic properties that could be adversely impacted by new construction. These requirements should be based upon the HABS/HAER documentation standards of the Department of the Interior and include, at a minimum, photographic documentation and sketch plans of the existing conditions of property, as well as a brief history and statement of significance.
- Municipality shall establish or identify a repository for the safe-keeping of these documents. An existing repository, such as a historical society, library, or municipal building, would be acceptable
- Have in force and effect either zoning/development codes or design review to consider and avoid adverse impacts to both privately and publicly-owned culturally significant resources

- Inventory, evaluate and list where possible National Register eligible properties owned by the local government
- Hire and employ a Historic Preservation Officer (part- or full-time) to monitor the local government's preservation program or policies
- Avoid impact to significant cultural sites by not developing within a reasonable distance as defined by local authority
- Enact or participate in a local or state historic preservation board to oversee important decisions regarding these resources

A local government can earn an innovation point by becoming a Certified Local Government (CLG) of the National Park Service Program (1 innovation point)

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of pertinent ordinance(s), standard(s), policies, requirements

AND

Provide copy of Cultural Resource/Historic Preservation Plan. A copy of the local plan must be submitted to the State Historic Preservation Office for their opportunity to review and comment.,

AND

Provide resume of Historic Preservation Officer and proof of position's payroll

AND

Where applicable, provide proof of CLG certification

## CHV CREDIT 2: CONSERVATION OF CULTURAL/HISTORIC STRUCTURES

2 POINTS

### INTENT

To retain the values of significant historic structures, as identified in required asset inventory.

### REQUIREMENTS

READ THIS FIRST [http://www.nps.gov/history/hps/tps/standguide/overview/choose\\_treat.htm](http://www.nps.gov/history/hps/tps/standguide/overview/choose_treat.htm)

Meet the appropriate Secretary of Interior's Standard for:

Restoration: [http://www.nps.gov/history/hps/tps/standguide/restore/restore\\_index.htm](http://www.nps.gov/history/hps/tps/standguide/restore/restore_index.htm)

OR

Rehabilitation: [http://www.nps.gov/history/hps/tps/standguide/rehab/rehab\\_index.htm](http://www.nps.gov/history/hps/tps/standguide/rehab/rehab_index.htm)

OR

Reconstruction: [http://www.nps.gov/history/hps/tps/standguide/reconstruct/reconstruct\\_index.htm](http://www.nps.gov/history/hps/tps/standguide/reconstruct/reconstruct_index.htm)

OR

Preservation: [http://www.nps.gov/history/hps/tps/standguide/preserve/preserve\\_index.htm](http://www.nps.gov/history/hps/tps/standguide/preserve/preserve_index.htm)

AND

Provide protection for significant cultural and historic sites identified CHV 1 by adopting Local Historic Preservation Standards for the jurisdiction. (2 points)

- Conduct a comprehensive cultural resource/historic preservation survey of the local government jurisdictional area to identify and inventory the significant cultural resources and historic sites
- Define actions required for the review of demolitions, alterations, and relocations of historic properties
- Define actions required to initiate and maintain a list of historic properties—both contributing and significant—in the municipality
- Create Conservation Zoning District(s) or Historic District(s). The districts must provide a form of protection to the identified significant resources and sites
- Encourage development to retain all significant structures in their original locations, incorporate and use them in the development
- Require development to retain half or more of the significant structures and use in the development; if there are multiple significant structures, but one structure is justifiably of more importance to the historic context, retain that structure and use in the development
- If the jurisdiction no longer has a use for a publicly-owned significant historic structure, pass the structure to another owner with deed restrictions or covenants requiring the retention of this historic characteristics
- Move one or more of the significant structures intact to another location and reuse
- Require inventory of historic resources with development approvals

A government can earn a bonus point for conducting (or having conducted within the past 10 years) a SHPO standard compliant community inventory of historic sites

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide a copy of the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the cultural resource/historic preservation inventory, pertinent ordinance(s) and Local Historic Preservation Standards. Copy of material must be submitted to the SHPO for their opportunity to review and comment

AND

Provide a copy of a map showing the location of all conservation zoning districts or historic districts

AND

Where applicable, provide proof of SHPO compliant community inventory of historic sites, with date of completion

## CHV CREDIT 3: HISTORICALLY APPROPRIATE NEW CONSTRUCTION

1 - 3 POINTS

### INTENT

To encourage the use of traditional regional building practices, including site selection/location of structure(s) on the land, **AND** incorporate traditional regional construction materials and techniques and the requisite craftsmanship.

### REQUIREMENTS

Reflecting the Spirit of Place statement ([PPI Prerequisite](#)), establish design guidelines to encourage sensitive development in the identified areas with significant cultural resources and historic sites (whether listed as districts or merely identified as such).

- Establish Historic Districts (**1 point**)—whether local or national—and nominate individually significant properties to the National Register of Historic Places (**1 point for nominating at least three buildings**)
- Create a design review process in identified historic districts or conservation districts that is mandated by local ordinance. Develop design review guidelines for use and guidance during the design review process. Establish a diverse committee to evaluate projects. Do not stifle creativity (**1 point**)

A government can earn an innovation point for successfully nominating six or more buildings to the National Register of Historic Places.

### SUBMITTALS

#### For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the design review process and design guidelines. Design guidelines must be submitted to the SHPO for their opportunity to review and comment

**CHV CREDIT 4: CULTURAL/HISTORIC INTERPRETATION AND DOCUMENTATION**

**1 - 2 POINTS**

**INTENT**

To provide and maintain the opportunity for learning about cultural and historic resources.

**REQUIREMENTS**

Financially support the local historical society or similar local historic preservation efforts **(1 point)**

AND/OR

Establish a Cultural/Historic Preservation Award Program whereby historic/cultural preservation efforts in the jurisdiction that serve as an inspiration for fostering preservation are recognized at least annually **(1 point)**

AND/OR

Develop and maintain a publicly-accessible local repository and/or exhibit space for local cultural and historic resource information OR have an adopted policy on document retention to include an intergovernmental agreement with the cooperating parties for document storage **(1 point)**

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide proof of establishment of local repository and/or local exhibit space for local cultural and historic resource information.

AND

Provide proof of financial support of local historical society or similar local historic preservation efforts

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# RECREATION RESOURCES

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## RR CREDIT 1: CARRYING CAPACITY

1 - 2 POINTS

### INTENT

To preserve high quality public and private recreation resources by reducing the negative impacts of increasing numbers of users.

### REQUIREMENTS

Jurisdictional Carrying Capacity Assessment and Plan (1 point): Assess your jurisdiction's impact on public land recreation resources and opportunities in cooperation with appropriate resource management agencies, nonprofit organizations and interested businesses and individuals. Identify where recreational carrying capacity limits are likely to be approached or exceeded; note potential impacts from increased use, and outline mitigation options in conjunction with growth plan.

Outline and submit to the lead resource agency a consensus plan for mitigation that is collaborative in approach.

Include in plan implementation of local train networks/etc to reduce pressure on wildland trails and areas with wildlife habitat.

In the review process, coordinate local infrastructure to fill gaps in trail networks as a priority and accentuate existing facilities.

Plan Implementation. Assist public agencies in funding and implementing the mitigation plan created above using the calculation shown below that determines the appropriate investment value for your jurisdiction. Submit a letter of completion from the lead agency.

*Investment Calculation:* Use this formula to determine the minimum value of investment required to implement your mitigation strategy. This is based upon the total number of recreationists who are likely to be attracted to public lands in your area of impact. The investment value may be fulfilled in any combination of donated funds, volunteer labor, materials, expertise or equipment contributed to the mitigation project.

(Number of people) x (portion of year people are present) x (\$100 per person) ? Need to reevaluate formula?

Example: For a real estate development planning 100 houses, assuming on-average 3 people per household x 1.0 (year-round residents) would be:  $300 \times 1 \times 100 = \$30,000$  of value.

For projects **on private land** where impacts of increasing use would affect the quality of recreation opportunities on project and in the immediate vicinity, provide incentives to developers to work with public land management agencies, and require the following of all projects (**1 point**):

- Carrying Capacity Assessment and Plan: For all recreational components of the project, briefly describe the carrying capacities (i.e. ecological, community, perceptual - subjective or spatial - design) relevant to the project's activities and numbers of recreationists. Identify threshold indicators for determining limits of those capacities, and describe what measures will be implemented to avoid approaching or exceeding those capacities.

## SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide documentation of barrier reduction and incentives for private development

AND

Provide copy of jurisdictional carrying capacity assessment and plan

## RR CREDIT 2: MAXIMIZING RECREATION OPPORTUNITY

2 POINTS

### INTENT

To create and/or expand recreational opportunities on private and public lands while minimizing user conflicts and resource impacts.

### REQUIREMENTS

In cooperation with appropriate agencies, prepare an assessment of supply and demand for different types of recreational experiences in jurisdiction.

- Identify existing and potential recreation opportunities and possible users.
- Identify sources of potential user conflict.
- Outline strategies for fostering positive interactions among users, organizations and land managers as new recreation services and opportunities are proposed and developed.
- Provide allocation in budget each year for adequate maintenance of recreation facilities
- Maintain a recreation specialist on staff, whose job description includes working collaboratively with other resource specialists, including other public agencies that also manage recreation resources and facilities

(1 point)

#### AND FOR AN ADDITIONAL POINT

Locate recreation services and facilities (hiking trails, ski slopes, restroom facilities, camping, etc.) on a site previously impacted. Enhance the site so that the natural environment is restored.

#### OR

If no impacted sites exist, locate recreation services and facilities at a site that minimizes the impact on the existing ecosystem and environment both socially and biologically.

- Prepare a management plan that demonstrates how the site's resources and carrying capacity will be respected and how the facility design and operation will minimize user conflicts.
- Propose an independent monitoring plan to document performance.

### SUBMITTALS

#### For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide assessment of recreation opportunity in the jurisdiction

AND

Provide management and monitoring plans for the recreation services and/or facilities should they be advanced

## RR CREDIT 3: PUBLIC/PRIVATE LAND AND RIVER ACCESS

1 - 2 POINTS

### INTENT

To maintain access to land and rivers for recreational purposes and enhance private/public partnerships in the process.

### REQUIREMENTS

Within the jurisdiction (1 point):

- Identify points of public access to public/private lands and streams throughout the jurisdiction
- Identify jurisdictional goals for maintaining and enhancing access while minimizing conflict with nearby landowners
- Identify areas of focus for access preservation
- Create, maintain and update public amenities (picnic tables, restroom, interpretive signs, etc) at access points

Create ordinance(s) that require developments to meet the following requirements (1 point):

- Create a pedestrian and/or vehicle easement to ensure permanent public access to public/private land or streams, and provide relevant signage OR create a conservation easement with a clause that ensures public access to public/private land or streams and provide relevant signing
- Maintain historic public access in some form. Provide incentives for developers to provide new points of permanent public access
- Include public access through the subdivision and site development processes including park locations, trail connectivity, and open space protection

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of pertinent ordinance(s) demonstrating compliance with the intent of this credit

AND

Provide relevant documentation demonstrating compliance with requirements listed above.

## **RR CREDIT 4: OUTDOOR ETHICS AND EDUCATION**

**2 POINTS**

### **INTENT**

To promote common understanding and appreciation of bioregional resources, and minimize environmental and facility impacts through educational opportunities that teach conservation and ecological concepts.

### **REQUIREMENTS**

Create a comprehensive interpretive program for residents, visitors, and/or employees that accurately interprets the region's natural history and the site's specific ecological, cultural, historical, and geological features. Provide comprehensive interpretive education through brochures, displays, signage and educational presentations.

Institute ongoing educational programs for users and employees that will minimize user impacts upon the recreational resources of the jurisdiction/region. These programs should demonstrate how best management practices will provide for continued ecosystem functioning and long-term resource and facility protection. Utilize recreation impact monitoring methods and document the monitoring results as part of the outdoor ethics training program.

Support local land stewardship education programs by funding, making meeting spaces available, and helping share information.

### **SUBMITTALS**

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide detail on the comprehensive interpretive program developed, including interpretive education programs, materials and local support, and any other relevant material demonstrating compliance with the requirements listed above

AND

Provide an outline of outdoor ethics training and plan for monitoring the program

## RR CREDIT 5: REWARDING SUSTAINABLE OPERATIONS

1 - 2 POINTS

### INTENT

To encourage sustainable operation of recreation facilities by acknowledging compliance with nationally and/or regionally-recognized programs.

### REQUIREMENTS

Graduation from YBP UnCommon Sense Program

AND/OR

Registration and first-year certification by LEED-Existing Buildings program for all building stock

AND/OR

Proof of qualifying membership or initial selection by organization certifying sustainable operations and additional proof of measurement, accreditation, successful examination or qualified selection in organization or achievement by third party. Said proof to be directly relevant to long and short term sustainability in the daily operation of facilities. Example organizations (to include ISO 14001) are shown in Potential Technologies and Strategies below

AND/OR

Certification/implementation/analysis of jurisdiction by organization or recognizable standards in measurable documentation

**Jurisdiction can choose a mix of the above, or equivalent, options, so long as they are all for recreational facilities; one point for each option for a total of two points.**

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide documentation of graduation from UnCommon Sense, LEED-EB certification, ISO 14001 certification, or current membership certificate in other programs and written narrative describing compliance.

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# BUILT ENVIRONMENT

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Photo by Kath Williams

## BE PREREQUISITE 1: LEED PREREQUISITES REQUIRED

### INTENT

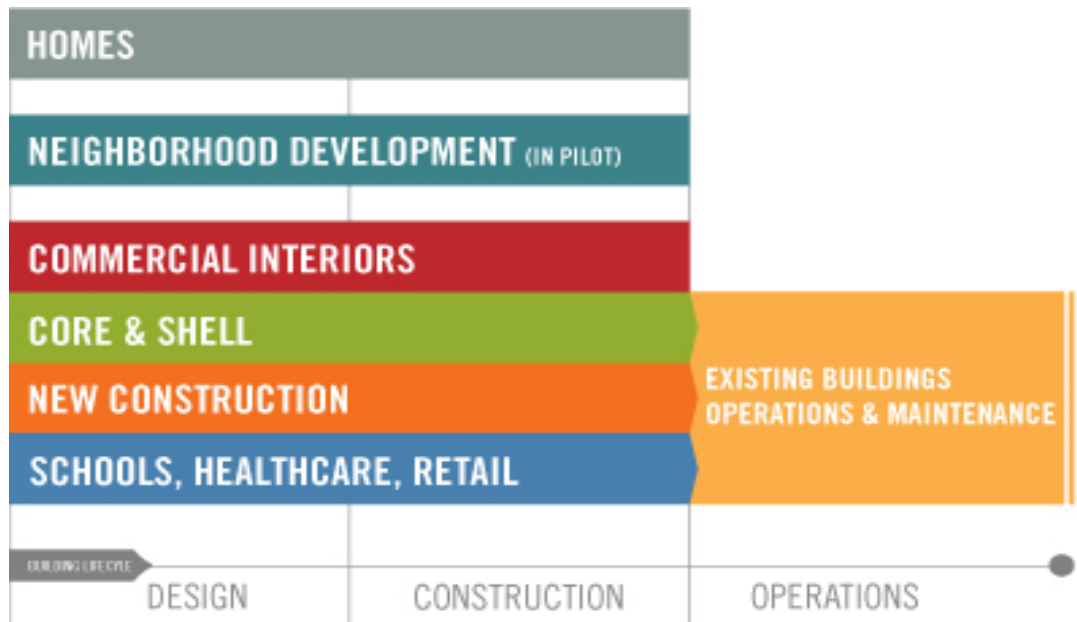
To design and construct sustainable buildings and structures

### REQUIREMENTS

The national green building leadership standard, LEED, was developed to transform the market of the design and construction industry to sustainability. Use of the LEED family of products forms the basis for a sustainable, habited structure and serves as a measurement tool. LEED Accredited Professionals support the design and construction teams in meeting the requirements, earning points, and documenting the project in this third-party verified system.

Built environments encompass all constructed entities. Habited structures are enclosed, occupied, and conditioned. Non-habited include but are not limited to structures that are not enclosed, occupied or conditioned, such as barns, sheds, gazebos, transit shelters, bridges, retaining walls, landscape features.

The GY-Framework has relied heavily on the lessons learned by the U.S. Green Building Council in the development of LEED. The current LEED rating systems available for use are:



From USGBC Website...[www.usgbc.org](http://www.usgbc.org)

All GY-Framework registered projects with habited structures are encouraged to use the appropriate LEED rating system as their guide throughout design and construction. **LEED registration and certification is not required but highly encouraged.** The prerequisites of the appropriate rating system, however, are required of all projects containing habited structures.

Requirements for a local jurisdiction are as follows:

- Adopt LEED for new government development, new buildings, existing buildings to be updated within a time period OR other green building policy built to LEED standards (don't have to certify)
- Commit to using the LEED prerequisites in new building and renovation projects directly controlled by the local government
- Provide incentives for developers and builders seeking LEED certification, including LEED EB, including, but not limited to:
  - Expedited permitting process
  - Reduced building permit fees
  - Tax credits

## SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide the Governing body resolution or other publicly voted upon commitment to follow the LEED prerequisites. (Governing body and not CEO since governing body is the budget control)

AND

Provide detail on available incentives for developers or builders seeking LEED certification

## BE CREDIT 1: OPTIMIZE ENERGY PERFORMANCE

1 - 3 POINTS

### INTENT

Encourage the design and construction of energy efficient buildings to reduce air, water, and land pollution, and environmental impacts from energy production and consumption.

### REQUIREMENTS

Create an energy efficiency plan for the jurisdiction (2 points). Plan must include:

- Inventory of buildings in jurisdiction and implementation for increased energy efficiency
- Energy efficiency policy for private development (policies, incentives, regulatory). See detail below for example standards. Could offer a tiered system: cost recovery from the developments that are most wasteful—they pay more or mitigate through renewable, better buildings. Could work with local utility to provide incentives.
- Comprehensive education program targeting developers and builders
- Create or identify two incentives you have already created to encourage higher than average energy performance

Adopt the following standards in local building code (minimal improvement being required and moderate/aggressive incentivized—through reduced fees, expedited permitting, etc—accordingly) (1 point):

BE Credit 1: Optimize Energy Performance	Nonresidential/Residential over 3 stories	Residential
Minimal	Whole Building Energy Simulation: +10% Improvement compared to IECC	Qualify as Energy Star Home (Builder Option Package)
Moderate	Whole Building Energy Simulation: +20% Improvement over IECC (option 1) or Prescriptive Compliance Path, ASHRAE Advanced Energy Design Guide (option 2)	Qualify as Energy Star Home with HERS Index rating of 80 or better for IECC Climate Zones 6-8
Aggressive	Whole Building Energy Simulation: +30% Improvement over IECC (option 1) or Prescriptive Compliance Path: Basic and Prescriptive Criteria of Advanced Buildings Benchmark v 1.1 (option 2)	Qualify as Energy Star Home with HERS Index rating of 70 or better for IECC Climate Zones 6-8

#### Minimally Exceed Performance (1 point):

For non-residential buildings and residential buildings over 3 stories:

Option 1

Whole Building Energy Simulation: Demonstrate a minimum 10% improvement in the proposed building performance rating compared to International Energy Conservation Code (IECC). Perform a whole building project simulation using the Building Performance Rating Method per Appendix G of

ASHRAE/IESNA Standard 90.1-2004. Appendix G requires that this energy analysis include ALL of the energy costs within and associated with the building project. To achieve this point, the proposed design:

Must comply with the mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4) in Standard 90.1-2004 (without addenda) or local code, whichever is more stringent.

**AND**

Must include all the energy costs within and associated with the building project,

**AND**

Must be compared against a baseline building that complies with IECC. The default process energy cost is 25% of the total energy cost for the baseline building. For buildings where the process energy cost is less than 25% of the baseline building energy cost, the LEED submittal must include supporting documentation substantiating that process energy inputs are appropriate.

For the purposes of the analysis, process energy is considered to include, but is not limited to:

Office and general miscellaneous equipment: computers, elevators and escalators, kitchen cooking and refrigeration, laundry washing and drying, lighting exempt from the lighting power allowance (e.g. lighting integral to medical equipment) and other (e.g. waterfall pumps).

Regulated (non-process) energy includes: lighting (such as for the interior, parking garage, surface parking, facade, or building grounds, except as noted above), HVAC (such as for space heating, space cooling, fans, pumps, toilet exhaust, parking garage ventilation, kitchen hood exhaust, etc.), and service water heating for domestic or space heating purposes.

For this credit, process loads shall be identical for both the baseline building performance rating and for the proposed building performance rating. However, if process loads are reduced, the Exceptional Calculation Method (ASHRAE 90.1-2004 G2.5) may be used to document such process loads reductions.

Documentation of process load energy savings shall include a list of the assumptions made for both the base and proposed design, and theoretical or empirical information supporting these assumptions.

For residential buildings 3 stories or fewer:

Qualify as an ENERGY STAR Home by the prescriptive Builder Option Package (BOP).

**Moderately Exceed Performance (2 Points):**

For non-residential buildings and residential buildings over 3 stories:

Option 2

Whole Building Energy Simulation: Demonstrate a minimum 20% improvement in the proposed building performance rating compared to the baseline described above in Option 1 for non-residential buildings and residential buildings over 3 stories.

**OR**

Option 3

Prescriptive Compliance Path: Comply with the prescriptive measures of the ASHRAE Advanced Energy Design Guide for Small Office Buildings or the ASHRAE Advanced Energy Design Guide for Small Retail Buildings, as appropriate to building type. The following restrictions apply:

Buildings must be less than 20,000 square feet.

Buildings must be office or retail occupancy.

Project teams must fully comply with all applicable criteria as established in the Advanced Energy Design Guide for the climate zone in which the building is located.

**For residential buildings 3 stories or fewer:**

Qualify as an ENERGY STAR Home by achieving a HERS Index rating of 80 or better for IECC Climate Zones 6-8.

**Aggressively Exceed Performance (3 Points):**

**For non-residential buildings and residential buildings over 3 stories:**

Option 4

Whole Building Energy Simulation: Demonstrate a minimum 30% improvement in the proposed building performance rating compared to the baseline described above in OPTION 1 of non-residential buildings or residential buildings greater than 3 stories.

**OR**

Option 5

Prescriptive Compliance Path: Comply with the Basic Criteria and Prescriptive Criteria of the Advanced Buildings Benchmark™ Version 1.1 with the exception of the following sections: 5.7 Monitoring and Trend-logging, 5.11 Indoor Air Quality, and 5.14 Networked Computer Monitor Control.

**For residential buildings 3 stories or fewer:**

Exceed the ENERGY STAR for Homes requirements by achieving a HERS Index of 70 or better for IECC Climate Zones 6-8.

## SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide a copy of the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

**AND**

Provide a copy of the Energy Efficiency Plan and Policies adopted by the jurisdiction, including standards adopted in local building code

## BE CREDIT 2.1: GREEN BUILDING PROGRAMS: PARTICIPATION AND COMPLIANCE

### 1 POINT

#### INTENT

To encourage incorporation of green building standards into built environment\* projects.

#### REQUIREMENTS

Meet the intent and requirements of a local, regional, or national green rating system other than LEED (See [BE2.2](#) to achieve points using LEED) for all new government buildings and substantial retrofits. The rating system must include elements of green building in addition to energy efficiency and conservation.

AND

Provide incentives or other encouragement for developers and builders to meet the intents and requirements of a local, regional, or national green rating system other than LEED.

(1 point)

#### SUBMITTALS

##### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Identify and document why you chose the program. Provide supporting documentation showing how the program criteria, including certification or completion of the program, have been accomplished

AND

Provide copy of pertinent regulations/incentives/etc documenting encouragement for developers or builders to follow the standards listed above

## BE CREDIT 2.2: GREEN BUILDING PROGRAMS: LEED CERTIFICATION

1 - 5 POINTS

### INTENT

To recognize and encourage built environment\* projects to meet the highest national standards.

### REQUIREMENTS

Implement a policy stating that all new government buildings must be built to LEED standards, and provide incentives for developers and builders to build to LEED standards (1 point).

The jurisdiction can earn additional points for achieving certification for government-owned buildings (2 points per building certified, up to 4 points total).

For non-habited built environments:

For projects in the jurisdiction that are only a non-habited built environment, or if non-habited built environment is not included in the habited building certification, demonstrate that it meets the equivalent of 15 points of the following LEED-NC requirements: Prerequisite SS1 Erosion and Sedimentation Control

SS1 Site Selection

SS6 Stormwater Management (2)

SS7 Heat Island Effect (2)

SS8 Light Pollution Reduction

WE1 Water Efficient Landscaping (2)

MR2 Construction Waste Management (2)

MR3 Resource Reuse (2)

MR4 Recycled Content (2)

MR5 Regional Materials (2)

MR6 Rapidly Renewable Materials

MR7 Certified Wood

Innovation and Design (2)

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of the pertinent ordinances/regulations/policies stating that all new government buildings must be built to LEED standards and incentives for developers and builders to do so

AND

Provide official documentation from USGBC verifying project certification and certification level, where applicable, for government-owned buildings.

## BE CREDIT 3.1: WASTE MANAGEMENT: REDUCE AND RECYCLE

1 - 2 POINTS

### INTENT

To reduce the amount of waste hauled to and disposed of in landfills.

### REQUIREMENTS

Meet one or both of the following requirements and publicize the availability and benefits of the drop-off points, stations or services:

Provide a comprehensive recycling program including the separation, collection, and storage of materials for recycling including, at a minimum, paper, corrugated cardboard, plastics and metals; if this is not currently an option, at the very least jurisdiction must cooperate with neighboring communities and form a committee of public servants and private citizens to work on establishing recycling in the community.

- Participate in on-site recycling within all jurisdiction facilities.
- For public works projects, have adopted policies encouraging on-site reuse of waste such as asphalt millings as gravel base for road widening.
- Require all construction projects to reduce or recycle construction waste as part of building permit requirements. (1 point)

### AND/OR

Provide at least one appropriately installed compost station available to entire jurisdiction dedicated to the collection and composting of food wastes, yard wastes, and all organics (excluding sludge from sewage treatment plants). Locate compost station appropriately to avoid potential animal conflict. If a plan for post-collection use does not exist, establish one. (1 point)

Jurisdiction can earn an innovation point for providing a glass recycling and utilization program.

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

#### AND

Provide a plan for addressing the jurisdiction's waste stream. Demonstrate established or developing recycling and/or composting program through issued permits or ordinances. Also, demonstrate commitment to waste reduction and recycling through an adopted solid waste management plan that includes waste diversion or recycling goals. Include a written commitment to publicize the availability and benefits of the drop-off points or stations for the community.

## BE CREDIT 3.2: CONSTRUCTION WASTE: MATERIALS EFFICIENCY

1 POINT

### INTENT

To reduce amount of building materials needed, construction costs, and project waste.

### REQUIREMENTS

Incorporate into building code or land development regulations, including for projects by the jurisdiction, the following building guidelines:

Design building components using standard-sized units for masonry, structural and framing lumber, wallboard, plywood, advanced framing and other sheet goods. (i.e. wood components in measures of 2x4, 2x6, 2x8, etc.)

Conduct training courses and education campaigns on this subject for the public.

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of pertinent code(s)/regulation(s) demonstrating compliance

AND

Provide details on public education campaign and training courses

**BE CREDIT 3.3: CONSTRUCTION WASTE: REUSE OF ORGANICS**

**1 POINT**

**INTENT**

To reduce organic waste from the project.

**REQUIREMENTS**

Provide construction organics recycling and composting as part of solid waste programs sponsored or participated in by the local government. Work with the DEQ to identify potential composting locations. Encourage privatized operation of composting center. Start up could be funded by government entity; try to avoid subsidizing program if possible.

AND

Require all government projects to compost, reuse, or share compostable materials generated by the project on-site or within 100 miles of the site. (1 point)

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide documentation of solid waste programs and ordinance(s)/regulation(s) demonstrating compliance with the above requirements.

## BE CREDIT 4: OUTDOOR SPACES

1 POINT

### INTENT

To ensure connection to the natural environment, reduce the need for mechanical systems, and enhance the health and well-being of building occupants.

### REQUIREMENTS

For all public buildings, provide accessible outdoor space(s) a minimum of 20' away from building exhaust, designated smoking areas, parking lots, and trash enclosures.

AND

Provide a space, independent of public sidewalks and access easements, greater than or equal to 15 square feet per occupant, for 10% of the building occupants, but not less than 100 square feet.

AND

Provide education programs for builders and developers on how to build community through outdoor spaces

AND

Adopt a smoking ordinance consistent with national progressive ordinances. **(1 point)**

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the pertinent ordinance(s) demonstrating compliance with the above requirements

AND

Provide detail on the education programs available to the public

**BE CREDIT 5:        SIZE OF RESIDENTIAL DWELLINGS**

**1 POINT**

**INTENT**

To conserve natural resources over the life of the building.

**REQUIREMENTS**

Remove (or do not create) mandatory minimum residence size requirements in local regulations which are greater than those required by the building code. **(1 point)**

Do not exceed 4,000 square feet above grade for single residential units in either single-family or multi-family residences. **(1 innovation point)**

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of pertinent ordinance(s)/code(s) demonstrating compliance with the above requirements.

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# PUBLIC SERVICE AND INFRASTRUCTURE

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Photo by Kath Williams

## PSI PREREQUISITE 1: CODE COMPLIANCE REQUIRED

### INTENT

To meet minimum existing federal and state infrastructure codes, standards and permits.

### REQUIREMENTS

Comply with/adopt existing federal, state and local infrastructure codes and standards (e.g., CWA, SDWA, RCRA, NPDES, CAA, IECC see below). Encourage efficient use of infrastructure.

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of ordinance adopting relevant codes

AND

A copy of relevant operating permits for publicly owned treatment works or infrastructure (i.e., wastewater treatment facility, solid waste landfill, stormwater)

AND

A letter of compliance from the appropriate state or federal regulatory agency (for community or systems)

**PSI PREREQUISITE 2: WATER METERING  
REQUIRED**

**INTENT**

To conserve scarce water resources over the long-term and raise owner and consumer awareness of this need.

**REQUIREMENTS**

Create and begin to implement a plan to implement water metering on all existing and new community water systems

AND

Water metering shall be complied with for all new developments. If the proposed structure is a private development with the need to haul water, this prerequisite will not be met as it is generally believed that this type of development should not occur in areas where water resources are not readily available to sustain the development.

Where technologies allow, the intent is to raise owner and consumer awareness about their water use and potential for waste with the ultimate goal being to promote conservation and wise use of water resources. State and seasonal projects can apply for an exemption under special circumstances.

Stage 1 requirements: Conduct a town meeting regarding the goals of the jurisdiction and reasons metering is important

Stage 2 requirements: Create a plan for the entire jurisdiction to implement water metering

Stage 3 requirements: Begin to implement plan; implement metering for at least ½ of jurisdiction

Stage 4 requirements: Full implementation of metering jurisdiction-wide

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of pertinent ordinance(s) identifying metering requirement, billing structure, and ordinance demonstrating that meters will be read and maintained

AND

Provide a plan and timeline for implementation and meter installation for all government owned facilities

**PSI CREDIT 1: SHARED SERVICES: ENERGY/WATER EFFICIENCIES**

**1 -2 POINTS**

**INTENT**

To encourage installation of renewable, community-owned and used energy production to avoid energy fuel depletion. Help create a cooperative atmosphere of businesses sharing renewable energy resources and responsible energy and water systems.

**REQUIREMENTS**

Municipality must work to explore opportunities for neighborhood based renewable energy.

Remove any barriers or make exceptions for developments pursuing alternative infrastructure solutions (i.e. solar panels, greywater, or ordinance for right to solar access). Provide an assessment of alternative infrastructure opportunity. **(1 point)**

Promote alternative infrastructure by offering incentives to developers who are reducing the load or demand on the municipality supplied services. Organize and facilitate, encourage, or enable (private, city or county owned) renewable, community-owned and used energy production systems. **(1 point)**

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the pertinent ordinance(s), regulation(s), or other documentation demonstrating compliance with the above requirements.

**PSI CREDIT 2: RENEWABLE ENERGY: EXPANDED USE**

**1 - 3 POINTS**

**INTENT**

To reduce dependency on fossil fuels through the use of green energy resource alternatives.

**REQUIREMENTS**

Generate energy from non-traditional sources such as biomass from wastewater treatment plant or landfill, solar, wind (1 point for each use, up to 2 points)

AND/OR

Install solar/wind production on your own facilities (proportional to your population size: minimum 1 kW per 1,000 people). Include the ability to webserve reporting of generation for education on project (1 point)

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of pertinent ordinance(s) (such as ordinance supporting the right to solar access)

AND

Provide a copy of signed agreement to generate ethanol, steam or electricity from solid waste

AND

Provide detail on solar/wind facilities installed on government owned facilities, including educational components

## PSI CREDIT 3      CARBON EMISSIONS REDUCTION

### 1 POINT

#### INTENT

To demonstrate leadership in addressing climate change and to reduce carbon emissions in the region.

#### REQUIREMENTS

Complete a baseline greenhouse gas inventory using ICLEI or equivalent program.

Reduce carbon emissions by at least 15%. Reductions in carbon emissions can be achieved by, but are not limited to: use of bio-fuels in diesel vehicles, purchasing hybrid or electric vehicles, providing access to renewable energy to residents, comprehensive recycling and composting programs, following LEED Silver or higher building guidelines, or purchasing carbon offsets or green energy.

Calculations should take into account both impacts of development as well as operations. Purchase of carbon offsets can help achieve emission reductions by supporting projects elsewhere, such as wind farms, solar installations, energy efficiency projects, and/or reforestation projects.

In addition, create an assistance program for residents through local government offices providing information about carbon offsets.

Exceptional performance points will be rewarded if the jurisdiction reduces carbon emissions at least 50% for three years.

#### SUBMITTALS

##### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a narrative demonstrating leadership on climate change and explaining what specific actions are being taken and their direct result in carbon reduction or offsets

AND

Provide a copy of baseline greenhouse gas inventory and calculations of total carbon being produced

AND

If purchasing carbon offsets, provide evidence of purchased credits with an established provider following the guidelines of an independently audited program that delivers high quality carbon credits, such as The Gold Standard (<http://www.cdmgoldstandard.gov>)

AND

In case of reforestation provide evidence of credible selection of planting sites, an accurate assessment of existing carbon stocks, development of woodland management plans, prediction of sequestration, and the monitoring of changes in carbon stocks

**PSI CREDIT 4: ELECTRIC LOAD/DEMAND EFFICIENCY**

**1 POINT**

**INTENT**

To reduce the need for power peaking capacity and to minimize the need for upgrades to transmission and distribution electrical systems.

**REQUIREMENTS**

Conduct an assessment of peak load for the community as a whole, working with the utility. Become an advocate for off-peak timing. Implement a program for off-peak use in own facilities and infrastructure (1 point).

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a letter from a utility representative declaring that a community-wide program is in place, or providing a timeline and commitment for implementing a community-wide program

AND

Provide a copy of the peak load assessment, plan and program(s) for off-peak timing advocacy.

## PSI CREDIT 5: WATER USE EFFICIENCY

1 - 4 POINTS

### INTENT

To reduce water quantity demand by promoting water use efficiency or water reuse.

### REQUIREMENTS

Demonstrate policies that encourage water efficiency or minimizing water waste. These policies should be established in ordinance. Policies could include:

- Demand side management program (requiring low use fixtures)
- Metering and water charges based upon metered use
- Program to audit accounts with high water use
- Creative municipal re-use of treated wastewater effluent, grey water, or storm water by irrigating city grounds with such waters and/or that have an established program that encourages development to reuse such waters in their development
- Existing or proposed “Storm Water Management Program” encouraging permeable surface use to minimize runoff and risk of contamination
- Implementation of post construction phase “Best Management Practices” (BMP); storm water management program to treat storm water runoff, and minimize impact to neighboring water bodies, and minimize erosion and sedimentation

#### Indoor Efficiencies: (1 point)

For buildings, employ strategies that in aggregate use less water than the water use baseline calculated for buildings (not including irrigation in the calculation) using water efficient or low demand fixtures or through diverted non-potable water (stormwater, recycled greywater or treated wastewater effluent). Calculations are based on estimated occupant usage and shall include only the following fixtures: water closets, urinals, toilets, lavatory faucets, showers, and kitchen faucets.

30% less water	1 point
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#### Outdoor Efficiencies and Landscape Use: (1 point)

For irrigation, use only captured rainwater, recycled wastewater or greywater, or water conveyed by a public agency or irrigation district/company specifically for non-potable uses. Use to reduce irrigation needs by 50% based upon mid-summer baseline calculations.

**OR**

Install landscaping that does not require permanent irrigation systems and is either native or adaptable to the regional climate. Temporary irrigation systems used for plant establishment are allowed only if removed within one year of installation.

#### Stormwater Use: (1-2 points)

Create a comprehensive stormwater management plan for the jurisdiction. Plan should identify practices to be employed, such as permeable pavements, rainwater harvesting systems or green roofs. Development footprint will include typically impervious surfaces included in the definition of “development footprint,” such as roofs and pavements, even though the surfaces may be made pervious as part of the stormwater management plan. **(1 point)**

Implement stormwater management plan for the jurisdiction's own facilities that recaptures, re-uses, or evapotranspirates runoff from 90% of the average annual rainfall or 1" of rainfall from a percentage of the jurisdiction's development footprint and other areas that have been graded so as to be effectively impervious. (1 point)

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the relevant code(s)/ordinance(s)/policies/program(s) demonstrating compliance with the above requirements

AND

Provide copy of relevant plans, demonstrating compliance with above requirements, such as landscape plan with information on selected species of native/water-wise vegetation and/or storm water management plan

**PSI CREDIT 6: WATER QUALITY**

**2 POINTS**

**INTENT**

To improve and protect water quality.

**REQUIREMENTS**

Create a Source Water Protection Plan for municipality or community water systems, addressing all neighboring land uses. Where applicable, jurisdiction should work with utility district to map existing septic systems and wells. **(1 point)**

Create and implement a plan to change septic systems over to sewer within city limits or water system areas. Counties will need to have aggressive plans addressing septic systems:

- Develop requirements for individual on-site treatment systems, including a comprehensive watershed management plan based upon geological constraints, vulnerable aquifers or water bodies, and allowable treatment alternatives/standards based upon unique site criteria **(1 point)**
- Include a plan to reduce contamination potential (also addressing pesticide runoff, stockyards, agricultural uses) **(1 point)**

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of Source Water Protection Plan and other relevant plan(s)/map(s)/regulation(s) demonstrating compliance with above requirements

**PSI CREDIT 7: SNOW PLAN**

**1 POINT**

**INTENT**

To reduce the impact of snow and meltwater on pedestrian travel and safety, on nearby water bodies, and on stormwater systems.

**REQUIREMENTS**

Establish a comprehensive snow management plan including snow removal from streets, sidewalks, and bicycle lanes, snow storage, and meltwater management to prevent contamination of ground or surface water or flooding. Avoid use of chemicals or salts as melting agents.

**AND**

Ensure removal of snow and ice from sidewalks and similar pedestrian areas in a timely manner to facilitate walking and prevent injury. Establish ordinance(s) which require timely and appropriate removal methods.

**AND**

Properly configure and maintain pedestrian crossings to avoid blocked storm and meltwater inlets and resulting water and ice barriers to pedestrian use.

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

**AND**

Provide a copy of the snow management plan for the jurisdiction and any other relevant maps, ordinances, or regulations demonstrating compliance with the above requirements.

## PSI CREDIT 8: UTILITY CONSTRUCTION AND RESOURCE MANAGEMENT

2 POINTS

### INTENT

To reduce environmental impacts and social costs, and provide economic alternatives to traditional open cut methods of utility installation, rehabilitation, or replacement.

### REQUIREMENTS

Jurisdiction must demonstrate measures to:

- Monitor and reduce water system loss due to transmission system leaks
- Reduce wastewater system infiltration and inflow (I&I)
- Have established and routinely update a “Capital Improvements Plan” (CIP) that addresses municipal utilities. Criteria might look at person served per lineal mile of sewer or water line, and the ratio of vacant to occupied residential lots and require delineation of water and sewer service areas broken into 5, 10, 15, and 20 year subareas.
- **Avoid use of Poly Vinyl Chloride (PVC) in any new utility material where possible. (1 point)**

Provide a written commitment to the appropriate use and implementation of Trenchless technology for the rehabilitation, replacement, or installation of water, wastewater, or stormwater conveyance utilities. Any areas having to improve the condition or capacity of water, wastewater, or storm water conveyance utilities shall investigate the applicability of Trenchless technology to rehabilitate, replace, and/or install new utilities. Determine through the submittal process defined below if Trenchless technology is appropriate.

- Reduce by 80% Asphalt and/or Concrete pavement **removal** associated with water, wastewater, or storm water conveyance utility rehabilitation, replacement, or installation.

OR

- Reduce by 80% **new** Asphalt and/or Concrete pavement **replacement** associated with water, wastewater, or storm water conveyance utility rehabilitation, replacement, or installation.

OR

- Where water, wastewater, or stormwater conveyance utilities require rehabilitation, replacement, or installation, and/or require additional capacity, utilize the appropriate Trenchless technology method for the conditions and intended result **(1 point)**

### SUBMITTALS

#### For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the relevant plan(s)/policies/regulations or other pertinent information demonstrating compliance with the above requirements

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# TRANSPORTATION AND CONNECTIVITY

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## TC PREREQUISITE 1: TRANSPORTATION PLAN REQUIRED

### INTENT

To reduce energy consumption and pollution from motor vehicles by encouraging use of pedestrian traffic, public transit, ride sharing/car-pooling, and alternative fuels.

### REQUIREMENTS

Create a community transportation plan for the jurisdiction that evaluates and addresses multiple modes of travel, and that encourages and supports pedestrian and bicycle travel. Plan must include an assessment of current pedestrian and bicycle pathways and future expansion opportunities. Plan should address, at a minimum:

- Pedestrian safety and accommodation
- Provision for safe bicycling and bike racks
- Ride sharing and carpooling incentives and parking infrastructure
- Safe vehicle speed limits, unobtrusive parking and alternative fuel availability
- Use of public transportation services and accommodation of necessary infrastructure
- Public awareness program promoting alternatives to driving personal vehicles
- Other innovative approaches describing how the prerequisite will be met

Provide or support public transportation in the community, including plans for expansion of service. Establish population 'triggers' that will set expansion plans into action. Agree to implement expansion plans when established population triggers are met.

If the community is smaller than 5,000 people, draft a public transportation plan that will be implemented when the population reaches 5,000. Draft a plan demonstrating interconnections with county and develop plan in concert with the county.

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the relevant plan(s) and supporting documentation demonstrating compliance with the requirements outlined above.

## TC CREDIT 1: ALTERNATIVE TRANSPORTATION AMENITIES

1 - 3 POINTS

### INTENT

To reduce air pollution, global climate change gas emissions, and inefficient land use patterns by reducing dependence on automobile use.

### REQUIREMENTS

Establish a network approach for non-motorized transportation including inventory of existing conditions, identification of critical missing parts of the network, and development of a plan to correct the deficiencies. Show substantial action over the next 1, 3, and 5 year periods.

Provide at least two of the following amenities (**1 point**) with **3 points** awarded for five or more amenities (**2=1 point, 3=2 points, 5+=3 points**):

- Pass zoning ordinance requiring bicycle parking in highly visible areas that are preferably covered and adjacent to pedestrian activity. Bicycle parking facilities shall be provided in accordance with the following schedule, with fractional requirements for bike parking over .5 to be rounded up:
  - a. Commercial; Industrial, Office, Retail ~ 2 spaces + 15% of number of auto spaces required
  - b. Multi-Family Residential ~ 1 space per unit for buildings with 3 or more unit
  - c. Public, or Commercial Recreation ~ 35% of auto parking requirement
  - d. Schools ~ 1 space per 3 students
  - e. Park and Ride Lots and Transit Centers ~ 35% of auto parking
  - f. Lodging ~ 1 space per 5 units
- Provide Intra-city public transit service for cities with a population of 10,000+ residents
- Provide Inter-town/city public transit service that connects to regional transportation network
- Provide covered and at least partially enclosed shelters, adequate to buffer wind, with at least one bench and basic schedule and route information at each transit stop in downtown or neighborhood with an average of 6 or more dwelling units per acre.
- Create Alternative Transportation Incentive Policy that provides incentives for public transit use (such as partial transit pass reimbursement), carpooling, walking, or bicycle commuting for all employees or residents of jurisdiction.
- Provide and require developments to provide preferred parking for carpools, vanpools, and hybrid automobiles.
- Engage in preservation of railroad passenger depot buildings and an ownership structure that assures reuse if railroad passenger service can be provided.
- Make specific provisions for car-sharing in your development regulations to reduce the number of parking spaces and vehicles required.

### SUBMITTALS

For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the existing conditions inventory, critical missing parts and correction plan

AND

Provide relevant documentation outlining amenities provided

**TC CREDIT 2.1: EFFICIENT VEHICLES: FLEETS**

**1 - 2 POINTS**

**INTENT**

To reduce air pollution and global climate change gases from vehicle operations by improving average fleet mileage and by purchasing more efficient vehicles.

**REQUIREMENTS**

Implement a plan and schedule for purchasing 20% of automobiles and pickup trucks owned by the jurisdiction that achieve the U.S. EPA's SmartWay Green Vehicle designation <http://www.epa.gov/smartway/>, or 10% of automobiles and pickup trucks owned that achieve U.S. EPA's SmartWay Elite Green Vehicle designation. (1 point)

**OR**

Implement a plan and schedule for purchasing 40% of automobiles and pickup trucks owned by the jurisdiction that achieve U.S. EPA's SmartWay Green Vehicle designation; or 20% of automobiles and pickup trucks that achieve U.S. EPA's SmartWay Elite Green Vehicle designation. (2 points)

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

**AND**

Provide a copy of the plan and schedule for purchasing a specific percentage of SmartWay Green Vehicles OR a copy of the title for each vehicle with SmartWay and SmartWay Elite designation

**TC CREDIT 2.2: EFFICIENT VEHICLES: ALTERNATIVE FUELS**

**1 - 2 POINTS**

**INTENT**

To reduce air pollution, green house gasses from vehicle operations, and support transportation alternatives to fossil-based fuels.

**REQUIREMENTS**

Implement Biodiesel (minimum of B10) or alternative fuel programs in city vehicles (1 point)

Provide incentives for private or public fleet use of alternative fuels (1 point)

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the contract with Biodiesel distributor

OR

Provide a summary and photos of other alternative fuel and electrical infrastructure

## TC CREDIT 3: TRAILS, WALKABILITY, AND PATHWAYS

1 - 3 POINTS

### INTENT

To provide direct and safe connections for pedestrians and bicyclists to local destinations, neighborhood centers, existing trails systems, and publicly owned parks and natural resources and to promote public health through increased physical activity

### REQUIREMENTS

- Adopt and implement a Complete Streets policy as part of the implementation of the community transportation plan <ftp://ftp.bozeman.net/engftp/Transportation%20Plan/index.html> see chapter 6
- Create and implement a maintenance plan so bike lanes, sidewalks, and trails remain functioning and pleasant to use.
- Provide bike lanes and sidewalks alongside all new roads and modify existing roads to make pedestrian and bike connections
- Reduce the speed limit and provide safe crossing for bikes and pedestrians
- Increase public awareness through community events, promotions, and programs designed to encourage public transportation, walking, and bicycle use
- Require safe and functional bicycle parking with all development. See Bozeman transportation plan for example standards: <ftp://ftp.bozeman.net/engftp/Transportation%20Plan/index.html> See Chapter 5
- Connect trails, sidewalks, bicycle lanes, and other facilities to adjacent existing or planned facilities to establish or expand larger networks.
- Pedestrian and bicycle facilities shall comply with the American Association of State Highway and Transportation Officials, Guide for the Planning, Design, and Operation of Pedestrian Facilities, The Institute of Transportation Engineers (ITE), Context Sensitive Solutions in Designing Major Urban Thoroughfares for Walkable Communities, or similar widely accepted standard.

AND

Implement 2 of the following (1 point); 4 of the following (2 points); or at least 5 of the following (3 points)

- Require at least 200 intersections\* per square mile for newly developed land, providing safe crossings for pedestrians and bicycles.
- Include pedestrian or bicycle through-connections between the development and existing trail systems, local destinations, and publicly owned parks and natural resources.
- Design and construct all streets within the jurisdiction, whether new or existing with traffic calming features intended to slow the traffic to pedestrian safe speeds.
- Plant street trees between the vehicle travel way and sidewalk at intervals of no greater than 50 feet.
- Provide on-street parking.
- In rural or other areas where regular block patterns are not provided due to topographic or natural resource limitations, provide pedestrian and bicycle facilities that connect activities and facilitate

travel other than motor vehicles. \*The number of intersections required to earn this credit will be prorated for parcels smaller than a square mile.

- Where new trails are being constructed in or adjacent to important wildlife habitat, prohibit motorized use and establish seasonal closures timed to provide wildlife security during critical times of the year

Other innovative solutions can be proposed with a narrative describing how the intent of the credit is met.

## **SUBMITTALS**

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide relevant ordinance(s)/regulation(s)/plan(s) demonstrating compliance with the above requirements.

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# COMMUNITY VITALITY

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Photo by Jana K. Felt

## CV PREREQUISITE 1: COMMUNITY ENGAGEMENT REQUIRED

### INTENT

To promote public dialogue and partnerships among all stakeholders affected by, or interested in, building sustainable developments and communities.

### REQUIREMENTS

Provide priority treatment in city reviews or at public hearing agendas to projects that show evidence of community engagement.

Provide a community engagement clearinghouse, at a public location such as a library or city hall, or online, to assist projects with the process of sharing information and receiving feedback from the community. Examples include, but are not limited to: surveys, review boards, web sites, public meetings, workshops, charrettes, focus groups, public comment, citizen advisory committees, participatory decision making, open houses, and neighborhood meetings.

Basic components of any public participation program should include:

- Provide comprehensive information on development and a process to keep those with an interest in the strategy informed.
- Ensure dialogue will be meaningful and influential in the decision making process.
- Provide inclusive consultative mechanisms for all stakeholders affected by, or interested in, the public participation process throughout the life of the project.
- Provide feedback to stakeholders underscoring where concerns were reflected in the decision making process.
- Build collaboration among key leaders and civic institutions to encourage successful implementation of the project.

Offer services to support a facilitated meeting, with professional facilitator if needed, to help projects mitigate public criticism and concerns and promote understanding.

Good faith effort can be represented with compatibility to site and neighborhood; see language in Bozeman city review section 18.34.090 (a).

## SUBMITTALS

### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a brief narrative describing the approach and methods used to meet the prerequisite intent, and how community engagement has influenced the process.

## CV CREDIT 1: HOUSING DIVERSITY

1-3 POINTS

### INTENT

To enable citizens from a wide range of economic levels and age groups to live within a community.

### REQUIREMENTS

Revise land-use regulations to permit a greater diversity of affordable housing with an even distribution of affordable housing throughout the community and housing densities. **(1 point)**

Include smart growth planning language that limits any single type of housing (i.e. single family, high end apartments, affordable housing, etc.) to no more than 30% of a single type for the city or town as a whole. This option could qualify the jurisdiction for innovation points. **(1 point)**

Adopt the Simpson Diversity Index as part of the review process or use it to quantify community housing diversity goals. **(1 point)**

The Simpson Diversity Index score <http://www.countrysideinfo.co.uk/simpsons.htm> is calculated with the following equation:

Score =  $1 - \sum (n/N)^2$  where n = the total number of dwellings in a single category, and  
N = the total number of dwellings in all categories.

#### Rural Communities (less than 5,000):

Recommended minimum score on the Simpson Diversity Index:  $\geq 0.5$

#### Small Communities (between 5,000 and 20,000):

Recommended minimum score on the Simpson Diversity Index:  $\geq 0.5$

#### Large Communities (more than 20,000):

Recommended minimum score on the Simpson Diversity Index:  $\geq 0.6$

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide copy of changes in land use regulations and planning language

AND

Provide a copy of, or a written commitment to create, a regulatory and operating agreement, deed restrictions, land lease restriction, or other recorded document evidencing that the units will be maintained at the specified affordable levels for the specified timeframes.

**CV CREDIT 2: MIXED USE**

**1 - 2 POINTS**

**INTENT**

To promote community livability, transportation efficiency, and walkability through proximity and accessibility. And to encourage safe day and night community activity.

**REQUIREMENTS**

**Develop a community place-making plan, incorporating the following (1 point):**

- Protect and enhance existing civic centers as inviting public spaces
- Develop programs to support downtown activities such as farmers markets, community gatherings and street parties, fun runs, and community gardening
- Allow mixed uses in land use regulations to include revised standards for parking and other quantifiable benefits of mixed use development
- Remove barriers (i.e. barriers that prohibit mixed uses)

**Implement community place-making plan (1 point):**

- Offer incentives to contributors
- Reward actions by projects that encourage safe public access and vitality

**SUBMITTALS**

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the community place-making plan and pertinent regulations, incentives, or other documentation demonstrating compliance with the above requirements.

### CV CREDIT 3: BUSINESS/EMPLOYMENT OPPORTUNITIES

1 - 2 POINTS

#### INTENT

To encourage balanced communities with a diversity of employment opportunities while reducing energy consumption and pollution from motor vehicles.

#### REQUIREMENTS

Remove barriers to mixed use (1 point):

- Allow mixed use development in land use regulations
- Allow home businesses which are consistent with residential character of an area
- Do not zone large monotype areas without access to services. Within municipalities services and work should be available within one mile of all points of the community.

Work with housing authority/developers to incorporate residential components in projects; great opportunities for senior apartments, affordable housing, seasonal housing, etc. (1 point)

#### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the pertinent code(s)/zoning regulation(s)/programs to demonstrate compliance with the above requirements.

## CV CREDIT 4: PUBLIC SPACES: AVAILABILITY AND ACCESS

1 - 2 POINTS

### INTENT

To provide public spaces and encourage activity and interaction in the urban built environment as well as foster and maintain community and connectedness beyond the development.

### REQUIREMENTS

Develop a community place-making plan, incorporating the following (1 point):

- Require that new developments are open and have public spaces
- Protect and enhance existing civic centers as inviting public spaces
- Develop programs to support downtown activities such as farmers markets, community gatherings and street parties, fun runs, community gardening, etc
- Promote actions that encourage public access
- Provide or help facilitate the availability of community/shared garden spaces
- Promote the community place-making plan by offering incentives to contributors

Plan to invest in restoring existing public spaces and making connections between public spaces (1 point)

### SUBMITTALS

#### For Local Governments: Incorporated Towns, Cities, and Counties:

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of the community place-making plan and any other pertinent documentation demonstrating compliance with the above requirements

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## SPECIAL CREDIT OPPORTUNITIES

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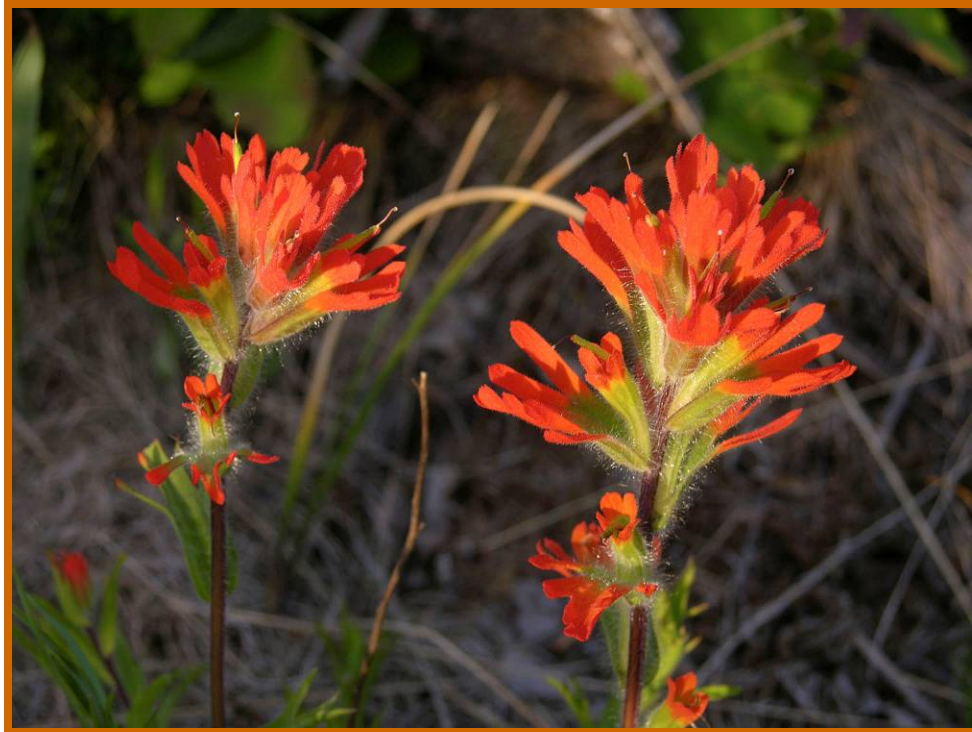


Photo by Jana K. Felt

### SCO CREDIT 1: EXCEPTIONAL LEED PERFORMANCE

1 - 3 POINTS

#### INTENT

To demonstrate exceptional green building leadership.

#### REQUIREMENTS

Certify a large percentage of habited buildings in the applicable Leadership in Energy and Environmental Design (LEED) program at the Gold or Platinum level.

LEED Certification - Exceptional Performance		
	Gold	Platinum
50% of buildings owned by government	1 point	2 points
At least 80% of buildings owned by government	2 points	3 points

## SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a copy of official USGBC LEED certification for each building

## SCO CREDIT 2: SUSTAINABLE AGRICULTURE

3 POINTS

### INTENT

To support cultivation of productive farm and ranch lands that are managed in concert with ecosystem processes and that contribute to the stability of rural families and communities.

### REQUIREMENTS

Identify within your jurisdiction where small farms/community gardens can be located with the intent of organic farming/minimizing pesticide use **(1 point)**.

Provide support for farmers markets and local agriculture processing plants, and help connect producers to local markets **(1 point)**.

Remove barriers for small scale agriculture compatible with adjacent uses **(1 point)**.

Farm and ranch land should be managed under one or more government, nonprofit, or cooperative program that follow the basic tenets of holistic or sustainable resource management: build biodiversity and maintenance of ecosystem functioning; enhance production and farm/ranch profitability; and contribute to the quality of life of rural communities. Examples of programs include:

- NRCS's (Natural Resources Conservation Service) reserve, watershed or stewardship programs.
- Holistic Resource Management or an equivalent operator program that advances sustainable agriculture
- Organic or natural food program or operate within a grower's cooperative (such as Country Natural Beef) that emphasizes sustainable practices

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide pertinent documentation demonstrating compliance with the requirements listed above.

## SCO Credit 3: Site Development for Extraction Projects

3 POINTS

(ALL THREE PLANS MUST BE COMPLETED)

### INTENT

To reduce the impacts of mining and energy resource operations during and following operations.

### REQUIREMENTS

Local governments can achieve points for this credit from a regulatory standpoint. Implement regulations requiring that gravel pits for road departments, landfills, and mines follow the below requirements:

Extraction projects undergo two major phases: operation and closure. For GY-Framework certification, exploration and development activities will be considered part of operations. The emphasis is on operations, because closure activities tend to be well-regulated, assuming planning and enforcement are adequate. All extraction operations must “plan for closure” from the outset, to make sure that the economics of the project justify true closure costs.

**1. Operations Plan.** Extraction operations should institute a “Good Neighbor” policy beginning at the initial planning stages, by instituting an advisory council comprising representatives of their neighbors and other interest groups. Regular meetings should be held to allow neighbors to address complaints and concerns.

Visual impacts and impacts on sensitive resources should be minimized by implementing the following:

- Interim reclamation (“bottom up”), whereby mine waste repositories are reclaimed as they are placed, rather than when completed
- Landscape architecture involvement during planning and operations
- Construction of berms
- Closure and reclamation of roads on a planned basis, as soon as possible in the extraction process
- Building exteriors that avoid typical industrial appearance and are more consistent with local construction
- Construction of excavations and repositories with irregular profiles designed to mimic surrounding natural slopes or cliffs. In some cases, coloring may be necessary to allow mine cuts and fills to more readily blend into the landscape
- If timber removal is required, it should mimic natural patterns of forest and open land to the extent possible
- Design and implementation of impact mitigation measures that will conserve important wildlife habitat (e.g., minimize extent of road construction; limit facility height; buffer extraction activities from sensitive sites)

### **2. Stewardship Plan:**

Extraction operations should practice good stewardship by:

- Reclamation of damage created by previous operations, whether or not the current operator has the direct responsibility
- Careful control of noxious weeds, including systematic removal of seeds from vehicle tires entering the site
- Use of alternative fuels and energy sources
- Recycling engine oil and other consumables

Water handling improvements should include the following:

- Diversions should preserve to the extent possible; channel pattern, sediment yield, and hydraulics
- Open cuts and sedimentation basins should be constructed to perform as wetlands and wildlife habitat during operations
- Dewatering discharges must be managed to avoid alteration of natural channel hydraulics that result in instability. Water quality of streams should not be degraded. Although existing regulations address limits to degradation, this requirement calls for a higher standard (total non-degradation). Professionals should be involved in planning and implementation
- Springs and ground water supplies must be protected. The operation should have the opportunity to provide approved temporary replacement sources

**3. Closure Plan:** Reclamation activities in most cases are addressed by existing regulations. A few possible exceptions are noted below. Others may present themselves depending upon local conditions.

- No approved project shall require long-term water treatment following closure
- No approved project shall leave soils permanently degraded from land application of produced water
- Reconstructed pre-mining drainages and waterways shall mimic local channel patterns and hydraulics

### SUBMITTALS

**For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide documentation demonstrating compliance with the above requirements.

## SCO CREDIT 4: OTHER INNOVATIONS

1 - 3 POINTS

### INTENT

To recognize remarkable innovations and encourage exceptional performance in and beyond the scope of the GY-Framework rating system.

### REQUIREMENTS

Submit in writing the details of the exceptional performance on any GY-Framework Prerequisite or Credit, and the innovative steps taken to be considered.

LEED innovation credits can be submitted for consideration in this category.

### SUBMITTALS

#### **For Local Governments: Incorporated Towns, Cities, and Counties:**

Provide the GY-Framework Letter Template, signed by the responsible party, declaring that the requirements have been met

AND

Provide a narrative describing in detail the intent, requirements, submittals and strategies for the innovation

AND

If the exceptional performance fits into one of the GY-Framework credit categories, specify which category and why this should be considered exceptional.