TECHNICAL MEMORANDUM

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Date:	May 1, 2020
Subject:	**Silver Lake Reservoir Complex Master Plan** **Envision™ Pre-assessment Checklist**

The Silver Lake Reservoir Complex Master Plan is a planning document describing an array of projects, programs, and improvements to expand the recreational function of the Silver Lake Reservoir Complex (SLRC). The development of the Master Plan is ongoing. The Master Plan is required to comply with the environmental Envision™ Guidelines for sustainability, and the plan will target a goal of a Platinum rating.

This Technical Memorandum (TM) lists the credits that may be applied to the project. This TM also describes assumptions about certain elements of the project, along with the documentation that will be required to be provided to the Institute for Sustainable Infrastructure (ISI), the organization that will certify the rating.

The Envision™ Guidelines assign a points value and a level of achievement (LOA) depending on the type and amount of documentation necessary. This TM states credit assumptions under two scenarios: a Baseline Scenario, and an Additional Effort scenario. The Baseline Scenario includes LOAs that are achieved through typical minimum required standards for City of Los Angeles public works projects and/or through documentation that is already planned for inclusion during the Master Plan. The Additional Effort scenario includes LOAs that are achievable by providing additional documentation that is not currently planned, such as a Sustainability Management Plan or modified project specifications and special provisions, but that can be achieved with reasonable effort. Documentation required for the Additional Effort scenario is included in italics in each credit section.

This TM is divided into five parts that mirror the five categories within the Envision™ version 3 framework. The Pre-assessment Checklist tallying the points for the Baseline Scenario and for the Additional Effort Scenario are included in **Appendix A** and **Appendix B**, respectively. The expected achievable points under each scenario is shown in the table on the following page.

Envision™ Credit	Baseline Scenario Points	Additional Effort Scenario Points	Envision™ Credit	Baseline Scenario Points	Additional Effort Scenario Points
QL1.1	20	26	RA2.2	0	12
QL1.2	12	12	RA2.3	15	20
QL1.3	10	14	RA2.4	0	0
QL1.4	0	6	RA3.1	12	12
QL1.5	10	10	RA3.2	0	0
QL1.6	2	8	RA3.3	0	8
QL2.1	7	7	RA3.4	0	0
QL2.2	16	16	NW1.1	22	22
QL2.3	14	14	NW1.2	2	2
QL3.1	0	3	NW1.3	N/A	N/A
QL3.2	12	18	NW1.4	24	24
QL3.3	14	14	NW2.1	0	22
QL3.4	11	11	NW2.2	24	24
LD1.1	5	18	NW2.3	9	12
LD1.2	18	18	NW2.4	20	20
LD1.3	18	18	NW3.1	18	18
LD1.4	0	0	NW3.2	20	20
LD2.1	0	18	NW3.3	11	14
LD2.2	9	12	NW3.4	9	12
LD2.3	12	12	NW3.5	8	8
LD2.4	0	0	CR1.1	0	0
LD3.1	0	3	CR1.2	0	0
LD3.2	0	0	CR1.3	0	0
LD3.3	0	0	CR2.1	6	6
RA1.1	0	9	CR2.2	0	0
RA1.2	9	9	CR2.3	0	0
RA1.3	0	14	CR2.4	0	0
RA1.4	7	16	CR2.5	0	0
RA1.5	8	8	CR2.6	0	2
RA2.1	0	0	**TOTAL**	414 / 984	547 / 984

Under the Baseline Scenario, the project is projected to achieve a Gold rating from ISI (42% of applicable points). Under the Additional Effort Scenario, the project is projected to achieve a Platinum rating (56% of applicable points).

Gold to Platinum

The project can likely achieve a Gold rating without increasing documentation and policy beyond expected measures during the design and/or construction phases. The pathway to a Platinum rating will require additional effort across multiple credit categories. The list below summarizes the additional effort that will be required to achieve a Platinum rating.

Design Phase

- Create a Sustainability Management Plan addressing the following items:
  - Roles and responsibilities for addressing sustainability issues assigned to key members of the project team
  - An index of all project features related to sustainability
  - Documentation that the project is part of a broader sustainability plan, such as the City of Los Angeles 2019 Green New Deal plan
  - Calculation of jobs created by the project during planning, construction, and operation
  - Development of an Operational Waste Management Plan
  - Planning review to identify and analyze options for reducing energy consumption during construction
  - Plans for project-specific renewable energy to meet 50% of total energy needs
  - Plans for post-construction control of future invasive species infestations
  - An assessment of long-term impacts from social, economic, and/or environmental trends/changes that may impact the community's goals, and how the SLRC project will proactively address these trends/changes in the future.
  - Establishment and prioritization of sustainability goals and objectives
  - Revisions and updates to the Sustainability Management Plan throughout project delivery.
- Conduct a noise study to investigate and mitigate expected operational noise. The study must include community feedback and a stakeholder engagement process to set noise targets.
- Demonstrate that the project stakeholder outreach process includes an equity and social justice component.
- Expand documentation of historic resource protection to include the threats to the character-defining features of Silver Lake Reservoir and how the project will restore the historic reservoir.
- Maps showing locations of impervious area removed within the Zone AE floodplain.
- Documentation of how systems within the project were integrated or coordinated to achieve efficiencies, redundancies, or system diversity.

Construction Phase

- Include special provisions establishing that the contractor must implement the following items:
  - The contractor must provide programs that promote health and well-being, such as free health screening or workshops.

- The contractor must establish a construction management plan that includes robust feedback mechanisms and performance monitoring and reporting for construction impacts.
- The contractor must procure at least 25% of the materials, supplies, and equipment from sustainable suppliers.
- The contractor must target a construction waste diversion rate of 95%.
- The contractor must implement at least six of the energy reduction strategies identified in the Envision Guidance Manual.
- The contractor must implement water conservation policies to ensure that no potable water is used (except for human consumption and hygiene) in construction processes.

1. Quality of Life

QL1.1 Improve Community Quality of Life

Baseline	Additional Effort
Conserving LOA - 20 points	Restorative LOA - 26 points

The baseline level of achievement assumes documentation of existing stakeholder outreach and workshop events, and it assumes that the Silver Lake community will be satisfied in the end that the project will address their goals. Additional effort LOA can be achieved assuming documentation that shows the need for a park (via the Los Angeles County needs assessment from 2016) and an assessment of impacts from climate change/resiliency (such as extended drought periods) and its impact to the community.

Documents required:

A. Documentation that the project team has located and reviewed the most recent community planning information and assessed relevant community needs, goals, and issues.
B. Comparison between goals/vision of community and goals/vision of project (such as a comparison between community groups' prior plans/surveys and the SLRCMP).
C. Community social impact assessment assessing impacts of projects on the community's quality of life.
D. Documentation of processes for collecting, evaluating, and incorporating community input into planning and design process.
E. Evidence showing how negative impacts as identified by the community caused changes in the design of the project (such as community surveys guiding selection of design features in the SLRCMP).
F. Acknowledgements and endorsements by the community that the design participation process was helpful and that their input was appropriately assessed and incorporated into project design; and documentation of input and agreement from key stakeholders, community leaders, and/or decision makers regarding the impact assessment and planned actions.
G. (Additional effort) Documentation of long-term social, economic, or environmental changes/trends that may impact community goals and needs over time; documentation demonstrating how the project will proactively address one or more of these changes/trends; and

documentation demonstrating how the project represents a smart long-term investment for the community's future.

QL1.2 Enhance Public Health and Safety

Baseline	Additional Effort
Superior LOA - 12 points	N/A – 12 points

This credit can focus on safety improvements through pedestrian and active transportation features and water quality benefits to the community.

Documents required:

A. Documentation that the design and operation of the project will be compliant with all relevant health and safety regulations and laws.
B. Detailed narrative of decision making focused on critical health and safety risks and how the project features reduce these risks (such as traffic study identifying accidents, pedestrian improvements, etc.).
C. Index of health and safety improvements to the project's immediate surroundings (improved pedestrian features, improved lighting, crosswalks, etc.).
D. Index of health and safety improvements to the broader community (better water quality, air quality, access to healthy activities, etc.).

QL1.3 Improve Construction Safety

Baseline	Additional Effort
Superior LOA - 10 points	Conserving LOA – 14 points

This credit assumes that the contractor hired to construct improvements in the SLRCMP will have a robust set of health and safety plans and training requirements. Most contractors have the ability to meet the Superior LOA. Conserving LOA can be achieved through modification of language in the special provisions.

Documents required:

A. Documentation that owners and contractors implemented a proactive safety rewards program to support outstanding safety performance; documentation that the contractors developed a program to ensure that their subcontractors maintain a high level of safety per the contract; documentation that the contractor's senior managers are engaged in the project safety program and conduct safety observations and inspections as part of their standard duties; and documentation through commitments that safety is a core concern.
B. Documentation that the owner and contractors developed a proactive investigative process that focuses on root cause and corrective actions vs. disciplinary actions and financial penalties; documentation that contractors have a proactive injury management system that supports efficient, effective and timely treatment of their employees injured on the job site; documentation that owners and contractors have an incident review process that involves all levels of management to validate corrective measures to minimize future injuries and incidents

on the job site; and documentation that contractors develop "lessons learned" reports that allow other contractors and projects the opportunity to review the fact-finding of an incident and implement processes and procedures to minimize similar incidents on the job site.

C. Documentation of safety and/or security competency training programs for field personnel, including type of training provided and how they specifically target health and safety; and documentation of minimum training requirements for health and safety programs such as occupational safety and health, first aid, CPR, emergency response, active shooter training, or equivalent.
D. Documentation that the owner and contractor have a specific site and project security plan, including contractor background checks on personnel working on the project, and 24-hour security monitoring on the project.
E. (Additional effort) Documentation that the project provides health and/or well-being programs beyond the specific activities associated with project delivery (health screenings for workers, nutrition or exercise workshops, and/or free vaccinations).

QL1.4 Minimize Noise and Vibration

Baseline	Additional Effort
N/A – 0 points	Superior LOA – 6 points

A Superior LOA will be possible if a noise study is conducted with the CEQA process.

Documents required:

A. (Additional Effort) Index of all potential noise generation sources related to the project, and assessment of impacts generated as a result of the project noise, including increased vehicle or pedestrian noise generated as a result of the project.
B. (Additional Effort) Documentation of all noise mitigation measures used throughout the project (minimizing noise generation, siting to reduce noise impacts, natural vegetation and landscaping buffers, and/or structural controls); and narrative explaining how mitigation measures follow a hierarchy that prioritizes avoidance, minimization, source abatement, receptor abatement, and compensation/offsetting.
C. (Additional Effort) Documentation that the project has adopted or set target noise levels for communities potentially affected by project noise; and evidence that noise generated as a result of the project will not exceed the target noise levels.
D. (Additional Effort) Evidence of community engagement in understanding noise impacts and the development of operational noise targets and mitigation strategies.

QL1.5 Minimize Light Pollution

Baseline	Additional Effort
Conserving LOA – 10 points	N/A – 10 points

The applicability of this credit assumes all lighting will meet backlight, uplight, and glare (BUG) requirements for their lighting zones, which are determined by the guidelines of the Model Lighting

Ordinance issued by the International Dark-Sky Association and the Illuminating Engineering Society of North America.

Documents required:

A. Site map indicating lighting needs and potential impacts on project site and surrounding areas (including populated areas and natural habitat); and a narrative assessment of how lighting may impact people, flora and/or fauna.
B. N/A
C. N/A
D. N/A
E. Location and BUG rating for each luminaire, and worksheet demonstrating that BUG ratings meet lighting zone requirements.

QL1.6 Minimize Construction Impacts

Baseline	Additional Effort
Enhanced LOA – 2 points	Conserving LOA – 8 points

This credit assumes the contractor will have a construction management plan which can demonstrate that the construction process will address at least two of the following four issues: noise, safety/wayfinding, access/mobility, and lighting (B, C, D, and E below). If the construction management plan can address all four issues and can contain robust feedback mechanisms for responding to public and stakeholder concerns during construction, a conserving LOA can be achieved. This is not a standard requirement and will need to be addressed in the specifications and special provisions.

Documents required:

A. Documentation of a construction management plan, and documentation that it addresses concerns of stakeholders.
B. Documentation of a management plan that mitigates impacts of construction noise and/or vibrations to the extent feasible; and documentation that the construction noise management plan includes stakeholder engagement and mechanisms for communities to report complaints.
C. Specifications of requirements and procedures for pedestrian and vehicular wayfinding during construction.
D. Documentation of strategies to limit disruption to public space and amenities during construction.
E. Documentation that, to the extent feasible while maintaining safety, the project has sought to minimize distracting or intrusive lighting during construction.
F. (Additional Effort) Documentation that there are feedback mechanisms in place for receiving and responding to public and stakeholder concerns during construction, and documentation of programs to monitor and inform impacted stakeholders on project performance in addressing construction impacts.

QL2.1 Improve Community Mobility and Access

Baseline	Additional Effort
Superior LOA – 7 points	N/A – 7 points

This credit focuses on bus, bicycle, pedestrian, and traffic calming features on the streets surrounding the SLRC.

Documents required:

A. Documentation demonstrating consistency with local and regional transportation plans.
B. Reports, memoranda, and minutes of meetings with the community and stakeholders regarding mobility and access; and records of decisions made and actions taken.
C. Reports documenting how the project increases transportation capacity, manages congestion, reduces vehicle distance traveled, or lowers accident rates.
D. Assessment of feasibility of implementing complete streets policies (buses, bikes, crosswalks, traffic calming, etc.), and documentation of how the project expands mobility and access options.

QL2.2 Encourage Sustainable Transportation

Baseline	Additional Effort
Restorative LOA – 16 points	N/A – 16 points

This credit focuses on bicycle lane improvements on the streets surrounding the SLRC.

Documents required:

A. Map showing pedestrian proximity and accessibility to active, shared, or mass transportation.
B. Documentation showing that the project includes active transportation components (restricted parking, new trails, other pedestrian or bicycle improvements)
C. Documentation of programs or facilities (secure bike lockers, covered bike racks, changing/showering facilities) to support the use of active, shared, or mass transportation options.
D. Documentation that the project fits into an existing transportation master plan, and documentation that the project creates new connections or enhances existing disconnected bikeways and paths to enhance the efficiency and quality of the overall network, including plans or diagrams showing new connections.

QL2.3 Improve Access and Wayfinding

Baseline	Additional Effort
Conserving LOA – 14 points	N/A – 14 points

This credit focuses on new public access granted by the opening of the perimeter fence to the site, and assumes increased community safety due to public presence at the SLRC.

Documents required:

A. Design documents showing plans for access and egress routes for emergency personnel and users; and documentation of the effectiveness of the design for emergency situations.
B. Documentation of how the project separates pedestrian and non-pedestrian zones, and that clear signage and wayfinding techniques are used (i.e. bikeways and pedestrian paths are clearly marked).
C. Documentation indicating areas of the project site that are accessible to the public, and documentation that these areas are designed with universal design principles to be inclusive of a broad range of users.
D. Documentation that beyond individual site safety features addressed above, the project itself will improve broader community or neighborhood safety. For example, formerly restricted areas prone to crime and vandalism are replaced by safe and accessible spaces that increase community presence and self-monitoring.

QL3.1 Advance Equity and Social Justice

Baseline	Additional Effort
N/A – 0 points	Improved LOA – 3 points

For the Additional Effort scenario, the robust stakeholder engagement process already included in the SLRCMP needs to show a focus on equity and social justice.

Documents required:

A. (Additional Effort) Documentation demonstrating an understanding of the historic context of equity and social justice within the affected communities; and documentation of how the equity and social justice context informed the stakeholder engagement process.
B. (Additional Effort) Documentation of both positive and negative social impacts that specifically include equity and social justice, including direct impacts of the project and associated activities, impacts from independent secondary development or actions that may occur as a result of the project, and indirect impacts on resources or services important to the local community. The social context of the project regarding affected communities should consider demographic data, gender equality, health data, income rate, education, and level of historic infrastructure investment.
C. (Additional Effort) Documentation of organizational policies and commitments from key members of the project team concerning equity and social justice, including nondiscrimination, diversity, inclusion, and pay equity.

QL3.2 Preserve Historic and Cultural Resources

Baseline	Additional Effort
Conserving LOA – 12 points	Restorative LOA – 18 points

This credit assumes the character-defining features of all historic/cultural resources on or near the SLRC (including Silver Lake Reservoir itself) are preserved. For the Additional Effort Scenario, the

documentation must show that Silver Lake Reservoir is threatened or degraded from a historic preservation perspective, and that the project will restore the historic resource.

Documents required:

A. Documentation of community meetings, and an index of all historic/cultural resources that may be impacted by the project.
B. Design documents of all strategies to document, protect, enhance or mitigate impacts to historic/cultural resources, with location and design drawings.
C. Documentation that the identification of historic/cultural resources extended beyond the registries of historic sites; an index of historic/cultural resources not included in historic registries that still may be significant to the culture of the community; and documentation of the level of effort that was deployed to identify important cultural resources of the community even if no relevant cultural resources were found.
D. Documentation that the stakeholder engagement process included the identification and discussion of historic/cultural resources, and documentation of how the project plans were informed or approved during stakeholder engagement, specifically relating to historic/cultural resources.
E. Documentation of how efforts were sufficient to avoid all historic/cultural resources or fully preserve/protect their character-defining features.
F. (Additional Effort) Documentation of efforts to enhance or restore existing historic/cultural resources; and documentation that work was done in collaboration with historic or cultural preservationists to ensure that restoration does not damage the quality of the existing historic and/or cultural resource.

QL3.3 Enhance Views and Local Character

Baseline	Additional Effort
Restorative LOA – 14 points	N/A – 14 points

This credit focuses on the inventory of views as part of the SLRCMP and assumes that views will be protected during construction, that the community will support the enhancement of views, and that the removal of fencing and asphalt slope paving constitutes a removal of an eyesore.

Documents required:

A. Plans, drawings, and reports identifying important elements of the site character including landform or levels, views, natural landscape features, materials, planting, style/detailing, scale, and landscape pattern; and existing policies and regulations regarding public views and design guidelines relevant to the project.
B. Documentation that the project takes into consideration the preservation of natural landscape features and balances the need for safety measures and barriers against the desire for protection or enhancement of views and local character.
C. Documentation demonstrating that the aesthetic quality of the project in its context was an important consideration; an inventory of all natural landscape or manmade features to be protected; an inventory of all view resources to be protected; and a plan for addressing public views in the project design.

D. Documentation of the construction management plan that identifies important features deemed important to views or local character and how they will be protected during construction.
E. Documentation that the stakeholder engagement process specifically addressed issues of views and local character.
F. The project either restores previously lost or degraded views and elements of local character, or it enhances the community by creating new features of local character. Alternatively, the project may involve the removal of degraded infrastructure generally considered to be an eyesore on the natural landscape or blocking valuable views.

QL3.4 Enhance Public Space and Amenities

Baseline	Additional Effort
Conserving LOA – 11 points	N/A – 11 points

This credit takes advantage of the focus of the project, which is to convert the SLRC into a public park.

Documents required:

A. Assessment of the impact of the project on existing public space; documentation of mitigation strategies used; and evidence that the project will not result in a net loss of public space and amenities in quantity or quality.
B. Documentation that public space and amenities were specifically included in the stakeholder engagement process.
C. Evidence of stakeholder approval of design and access to new or enhanced public space/amenities; evidence of stakeholder understanding and acceptance of construction impacts to public space/amenities; and written approval from officials regarding the project plans related to public space/amenities.
D. Plans and drawings showing the scope and extent of efforts for new/enhanced public space/amenities, including evidence that the new public space is a significant asset to the local community. Documentation needs to include the fact that the project creates a new public resource that did not previously exist.

2. Leadership

LD1.1 Provide Effective Leadership and Commitment

Baseline	Additional Effort
Enhanced LOA – 5 points	Conserving LOA – 18 points

This credit assumes that the project team is committed to sustainability, which can be demonstrated through existing planning documentation from the City. The Additional Effort Scenario assumes that the project team has developed a Sustainability Management Plan per LD2.1.

Documents required:

A. Written commitments to address social, environmental, and economic aspects of the project.
B. A sustainability management policy that includes commitments to achieving improvements in sustainable performance with clear objectives and targets.
C. (Additional Effort) Project-specific sustainability report(s) detailing how the project will achieve its goals and which key performance indicators will be used to measure and manage initiatives.
D. (Additional Effort) Identification and description of key members of the project team; and documentation of commitments to organizational sustainability principles and policies; documentation of recognition of past or ongoing projects to improve sustainable performance; evidence that the organizations involved in the project have sustainability strategies embedded into their business strategy; and third-party organizational recognition or commitments related to sustainability.

LD1.2 Foster Collaboration and Teamwork

Baseline	Additional Effort
Conserving LOA – 18 points	N/A – 18 points

This credit focuses on project collaboration that has been ongoing and will continue among the multiple departments of the City and the project design team.

Documents required:

A. Identification of the various disciplines or project team roles involved in the interdisciplinary collaborative process; and documentation of design charrettes or other meetings to identify opportunities for improving sustainable performance and reducing design conflicts.
B. Documentation of project improvements or increased performance that can be attributed to the interdisciplinary collaborative process.
C. Documentation of the interdisciplinary project team's business processes and management controls in the form of procedures, flowcharts, checklists, and other documented control measures to achieve more sustainable outcomes for the project; and documentation demonstrating that interdisciplinary collaborative meetings extended beyond initial kick-off meetings and were regularly occurring throughout the process.
D. Documentation that construction, operations and/or maintenance representatives have participated in the integrated design process; and documentation that the integrated process has improved sustainability performance in later phases of the project.

LD1.3 Provide for Stakeholder Involvement

Baseline	Additional Effort
Restorative LOA – 18 points	N/A – 18 points

This credit's focus is the ongoing stakeholder outreach process, and it assumes that stakeholder partnerships that have been fostered will count toward this credit.

Documents required:

A. Comprehensive list of potential stakeholders identified, and evidence that stakeholders were identified and prioritized in a fair and equitable fashion.
B. Stakeholder engagement plan, and documentation of engagement with stakeholders.
C. Documentation that a lead person from the project team, in addition to any public involvement lead or manager, worked with stakeholder groups to understand communication needs and the desire for and scope of involvement.
D. Documentation showing that feedback raised by stakeholders was evaluated and prioritized and how feedback changed/impacted/altered the project plans; and supporting evidence that stakeholder feedback was treated fairly and equitably.
E. Letters or other documentation showing support from stakeholders for the engagement process undertaken for this project; letters or other documentation showing support from stakeholders for the decisions that were made based on their input; and documentation demonstrating an absence of significant new stakeholder issues arising as the project advances to final design and construction.
F. Documentation that one or more stakeholders, having mutual interests or interdependencies, are identified and engaged as partners.

LD2.1 Establish a Sustainability Management Plan

Baseline	Additional Effort
N/A – 0 points	Conserving LOA – 18 points

This credit assumes a Sustainability Management Plan will be created and implemented that will be flexible and adaptively managed over the life of the project. Such a plan is not currently proposed as part of the SLRCMP, which is why the points are attributable only under the Additional Effort Scenario.

Documents required:

A. (Additional Effort) Organizational charts and documentation showing the persons responsible for project sustainability issues, their position in the project organization, and their authority to make project decisions and affect change.
B. (Additional Effort) Documentation of a sustainability management plan for the project; an index of all project features related to sustainability; an assessment of the project's environmental, economic, and social impacts, and a prioritized list of project goals, objectives, and performance targets that take into account project importance and the consequences of change.
C. (Additional Effort) Documentation of the project's business processes and management controls in the form of procedures, flowcharts, checklists, audits, corrective action reports, and other documented control measures; documentation of a robust plan-do-check-act methodology to identify priorities, evaluate progress, and make adjustments to continually improve project sustainability performance; documentation showing tracking and implementation of the sustainability management plan during construction; and documentation that the sustainability goals are communicated throughout the team.
D. (Additional Effort) Documentation that regular monitoring and reporting of progress against the plan's goals and objectives occurred (meetings or regular reports).

E. (Additional Effort) Identification of potential areas where changes in key design variables may impact project performance over time related to sustainability; and evidence that the plan accounts for these potential changes and is adaptable.

LD2.2 Plan for Sustainable Communities

Baseline	Additional Effort
Superior LOA – 9 points	Conserving LOA – 12 points

This credit takes advantage of the early decision making and planning involving sustainable design, and the project can demonstrate a direct connection and contribution to achieving goals in the City of Los Angeles 2019 Green New Deal Plan. The documentation that the project is part of a broader sustainability plan can be included in the Sustainability Management Plan described in LD2.1.

Documents required:

A. Documentation that sustainability indicators or outcomes were factors in considering project alternatives during project selection/identification in the earliest phases of project planning.
B. Documentation that the project selection/identification process included alternative analyses that included sustainability performance assessments; and documentation that alternative analyses included the sustainability performance of a no-build option in order to determine whether new infrastructure construction was necessary.
C. Documentation that early planning assessments considered the broader impacts of the project on the long-term sustainability of the community or region.
D. (Additional Effort) Documentation that the project is part of a broader community-wide sustainable development plan.

LD2.3 Plan for Long-Term Monitoring and Maintenance

Baseline	Additional Effort
Conserving LOA – 12 points	N/A – 12 points

This credit assumes that ongoing monitoring and maintenance details will be developed and communicated to operations staff, that funding for future maintenance activities will be set aside and maintained at sufficient levels, and that the maintenance plan will be regularly reevaluated.

Documents required:

A. Documentation of strategies intended to reduce the negative impacts of ongoing operations and maintenance.
B. Plans for long-term monitoring and maintenance of the completed project.
C. Documentation that the monitoring and maintenance plan has been communicated and delivered to the staff responsible for ongoing operations, monitoring, and maintenance.
D. Designations of the persons or organizations assigned to monitor and maintain the completed project; explanation of how funding will be allocated, set aside, and maintained at sufficient levels to fund necessary monitoring and maintenance; documentation showing that these

resources will be in place following delivery of the project; and documentation of meetings and/or training sessions intended to ensure a successful transition into operations.

E. Schedule for reevaluating the monitoring and maintenance plan.

LD3.1 Stimulate Economic Prosperity and Development

Baseline	Additional Effort
N/A - 0 points	Improved LOA - 3 points

This credit considers the jobs that will be created during design, construction, and operation of SLRC. This documentation can be included in the Sustainability Management Plan described in LD2.1.

Documents required:

A. (Additional Effort) Calculations showing the number and types of new jobs created during the design, construction, and operation of the project that benefit the local economy, and an explanation of the impact of these jobs on the local economy relative to the project size.

B. (Additional Effort) Documentation showing how the project expands or increases the quality of operating capacity for the public (e.g. cultural and/or recreational facilities); and official documents such as community plans, assessments, meeting minutes, or letters from community leaders or decision makers that confirm the project benefits the public.

3. Resource Allocation

RA1.1 Support Sustainable Procurement Practices

Baseline	Additional Effort
N/A - 0 points	Superior LOA - 9 points

This credit assumes that at least 25% of the project materials, supplies, and equipment (by cost, weight, or volume) will meet the City's Environmentally Preferable Purchasing (EPP) ordinance. Currently the City has not created standard procurement specifications to address this ordinance, so the Additional Effort Scenario assumes that procurement specifications will be added to the special provisions of the project.

Documents required:

A. (Additional Effort) Documentation of a sustainable procurement policy that includes commitments to identify and select manufacturers and/or suppliers that implement sustainable practices.

B. (Additional Effort) Calculations of the percentage of the total project materials by cost, weight, or volume that meet the sustainable procurement policy/program requirements; and material/supplier tracking forms and/or spreadsheets, receipts, and invoices.

RA1.2 Use Recycled Materials

Baseline	Additional Effort
Superior LOA - 9 points	N/A - 9 points

This credit assumes that all manmade project materials will be composed of 25% recycled material (by weight, volume, or cost).

Documents required:

A. Total quantity of materials used on the project by weight, volume, or cost; inventory of specifications for materials containing recycled content; calculations of percentage of reused or recycled materials by weight, volume, or cost; and inventory of existing materials or structures that have been reused.

RA1.3 Reduce Operational Waste

Baseline	Additional Effort
N/A - 0 points	Conserving LOA - 14 points

This credit assumes that at least 95% of operational waste will be diverted from waste streams. This credit assumes an operational waste management plan will be part of the Sustainability Management Plan identified in LD2.1.

Documents required:

A. (Additional Effort) Documentation of the operational waste management plan.

B. (Additional Effort) Identification of waste streams that will occur during the operations of the project; documentation of how the project was planned or designed in order to reduce the generation of waste during operations or to divert operational waste from landfills, including documentation of waste type and methods to reduce waste generation; and calculations of estimated total waste reduction measures and percentage of materials diverted to recycling or reuse by weight, volume, or cost.

RA1.4 Reduce Construction Waste

Baseline	Additional Effort
Enhanced LOA - 7 points	Conserving LOA - 16 points

A standard City specification states that the construction and demolition project shall reuse or recycle a minimum of 75% of the inert debris and 50% of the remaining construction and demolition debris generated by the project. This qualifies the project for an Enhanced LOA under the Baseline Scenario. Under the Additional Effort Scenario, at least 95% of construction waste will need to be recycled, reused, or salvaged. One example is that all demolished asphalt and concrete from the existing maintenance paths and embankments can be reused onsite as base material. This requirement can be included in modified language in the specifications and special provisions of the project.

Documents required:

A. Documentation of a construction waste management plan, and documentation that the plan was implemented.
B. Policies, specifications, contract documents, or commitments by the project team to achieve a target construction waste diversion rate of at least 50% *(Additional Effort – at least 95%)*; a general description of each type/category of construction and demolition materials generated, location of receiving agent, and quantity of waste diverted by category in weight or volume; and calculations of total waste reduction measures and percentage of materials diverted to recycling or reuse.

RA1.5 Balance Earthwork On Site

Baseline	Additional Effort
Conserving LOA - 8 points	N/A - 8 points

The applicability of this credit assumes that there will be no earthwork removed or imported onsite.

Documents required:

A. Documentation showing how the project balanced cut and fill on site and calculations of the percentage of excavated materials remaining on site. Excavated materials deemed hazardous should not be included in the total calculations and should be disposed of according to local, state, and federal law.

RA2.2 Reduce Construction Energy Consumption

Baseline	Additional Effort
N/A - 0 points	Conserving LOA - 12 points

This credit assumes that construction energy assumption reductions will be specified in the project specifications and standard provisions.

Documents required:

A. (Additional Effort) Documentation that one or more planning reviews were conducted to identify and analyze the potential for reducing energy consumption during construction.
B. (Additional Effort) Documentation that the project has implemented, or has policies to implement, energy conservation strategies during construction, including at least six of the strategies identified in the Envision Guidance Manual.

RA2.3 Use Renewable Energy

Baseline	Additional Effort
Superior LOA - 15 points	Conserving LOA - 20 points

The Los Angeles Department of Water and Power (DWP) currently gets 32% of its energy from renewable sources, but there is a goal for the City to be powered by 55% renewable energy by 2025. This credit assumes that the 55% renewable energy goal will be achieved, and that this can be applied to the energy needed on site. The Conservative LOA can be demonstrated through a Sustainability Management Plan described in LD2.1.

Documents required:

A. Documentation of the overall percentage of renewable energy to total energy consumption in standard units of energy showing a renewable percentage of at least 30% *(Additional Effort: at least 50%)*.
B. Breakdown of renewable energy sources by type, including solar, wind, hydro, biomass, geothermal, hydrogen/fuel cells, and renewable transportation fuel or electric vehicle use.

RA3.1 Preserve Water Resources

Baseline	Additional Effort
Restorative LOA - 12 points	N/A - 12 points

This credit assumes the SLRCMP can take into account the water resource improvements from the DWP Stormwater Capture project.

Documents required:

A. Documentation demonstrating that the project team assessed and understands the project's watershed context; documentation of the location, type, quantity, rate of recharge, and quality of water resources in the watershed; and identification of the source and impacts of water used and the destination and impacts of wastewater.
B. Calculations showing the estimated water usage and wastewater generation over the life of the project, in gallons.
C. Documentation of design features that will reduce negative impacts of water usage and/or watershed-scale issues; and documentation of how the design features specifically address watershed issues.
D. Calculations demonstrating that the project's water usage will have no impact on the quantity and availability of fresh surface water and groundwater supplies; and documentation clarifying that the project does not compromise water quality in the watershed.
E. Documentation that the project is part of, or contributes to, a larger watershed level or regional plan intended to improve the watershed.
F. Documentation that the project has a net-positive impact to the watershed in terms of water quantity and availability or water quality.

RA3.3 Reduce Construction Water Consumption

Baseline	Additional Effort
N/A - 0 points	Conserving - 8 points

This credit assumes that no potable water will be used during construction (except for human consumption and hygiene). This can be specified in the project specifications and special provisions.

Documents required:

A. (Additional Effort) Documentation that one or more planning reviews were conducted to identify and analyze the potential for reducing water consumption during construction.

B. (Additional Effort) Documentation that the project has implemented water conservation strategies during construction; and calculation of potable water saved for each strategy as compared to not implementing the strategy over the construction duration.

4. Natural World

NW1.1 Preserve Sites of High Ecological Value

Baseline	Additional Effort
Restorative LOA – 22 points	N/A - 22 points

This credit is for habitat improvements, eucalyptus grove expansion, and addition of wetlands.

Documents required:

A. Documentation of research undertaken to identify areas of high ecological value on site, and an index of areas of high ecological value on or near the site.
B. N/A
C. Documentation showing that no existing areas of high ecological value will be developed as a result of the project; and documentation demonstrating that areas of high ecological value will be protected during construction.
D. A site map illustrating a protective buffer zone for areas of high ecological value; and documentation demonstrating that the zone provides effective protection, including the nature and makeup of the buffer zone.
E. N/A
F. Documentation of how areas of high ecological value were increased or restored, including a site map outlining locations and a technical summary describing the methods and materials of restoration, signed by a qualified natural resource professional who attests to the functionality of the restoration, or approved by a similarly qualified regulatory body.

NW1.2 Provide Wetland and Surface Water Buffers

Baseline	Additional Effort
Improved LOA – 2 points	N/A – 2 points

This credit is for providing a vegetated or natural buffer of at least 50 feet in width around at least 90% of Silver Lake Reservoir and Ivanhoe Reservoir.

Documents required:

A. Map of surface waters onsite.
B. Calculation of the proposed buffer type and minimum width or acceptance of 50-foot requirement; documentation that the project team has considered site conditions including soil type, slope, land use, and vegetation mix in determining the appropriate buffer width and type; documentation that the proposed buffer width and type are sufficient to address pesticide retention, bank stabilization, sediment control, nutrition retention, litter, water temperature, terrestrial wildlife, and aquatic wildlife; and documentation that the project team has considered the cumulative impacts of acidification and/or eutrophication of the water bodies in the project design.
C. A site plan showing the final site design, the boundaries of the buffer zone, the minimal buffer zone width calculated as the shortest point between the buffer zone boundary and the identified waterbody, and that the minimum-50-foot-wide buffer extends to 90% of the perimeter of the waterbodies.

NW1.4 Preserve Undeveloped Land

Baseline	Additional Effort
Restorative LOA – 24 points	N/A – 24 points

Emphasis on restoration of natural open space habitat on the Knoll and in the Eucalyptus Grove is a part of this credit, assuming a claim that 100% of the site is located on previously developed land.

Documents required:

A. Documentation showing the percentage of the developed area of the site that was developed prior to project construction and may be classified as a grayfield (100%).
B. Documentation showing previously developed areas that have been returned to a natural state.

NW2.2 Manage Stormwater

Baseline	Additional Effort
Restorative LOA – 24 points	N/A – 24 points

This credit assumes all stormwater onsite will be routed to the SLRC for reuse, and that the DWP Stormwater Capture project can be included in the SLRCMP.

Documents required:

A. Site plan and documentation of all stormwater management strategies in the project and their function in infiltrating, evapotranspirating, reusing, or treating an amount greater than 100% of the 95th percentile local 24-hour event; and calculations showing the same.
B. Site plan, documentation, and calculations of the existing and proposed site and stormwater runoff patterns; and calculations showing that the project does not exceed the rate or quantity of runoff for the 2-, 5-, 10-, 25-, 50-, and 100-year 24-hour rainfall event.
C. Documentation of a stormwater pollution prevention plan (SWPPP) for all construction activities associated with a project.
D. Documentation of stormwater strategies in the project that infiltrate, evapotranspirate, reuse, or treat water from other sites.

NW2.3 Reduce Pesticide and Fertilizer Impacts

Baseline	Additional Effort
Conserving LOA – 9 points	N/A – 9 points

This credit assumes no pesticide or fertilizer use on landscaped areas, except to establish plants and remove existing invasive species.

Documents required:

A. Operational policies and programs for applying fertilizers and pesticides.
B. Plans and drawings showing how runoff controls will be designed, installed, and maintained.
C. Documentation of plans for landscaping showing the mix of plant species emphasizing noninvasive plant species; design specifications showing that no fertilizers or pesticides will be used on the project site during construction and operations (with exceptions for initial landscaping establishment and removing existing invasive species); documentation and details about any integrated and pest management approaches demonstrating pesticides will not be required; and documentation and details of any natural fertilizer management approaches (e.g. composting) demonstrating no chemical fertilizers will be required.
D. Documentation showing the pesticides and fertilizers to be used on the finished project; measurements of pesticide and fertilizer toxicity, persistence, and bioavailability along with recommended application rates and procedures; and documentation showing how lower toxicity, persistence, and bioavailability were incorporated into the choice of pesticides and fertilizers.

NW2.4 Protect Surface and Groundwater Quality

Baseline	Additional Effort
Restorative LOA – 20 points	N/A – 20 points

This credit assumes any hazardous substance used during construction will be addressed through stormwater pollution prevention plans. The credit takes advantage of water quality monitoring, which has been historically conducted by DWP and presumably will continue after the SLRCMP projects are implemented. The water quality improvements due to the addition of treatment wetlands, as

documented in the Water Quality Model Technical Memorandum prepared by CWE, are included in this credit.

Documents required:

A. Documentation of hydrologic and/or hydrogeologic delineation studies; and documentation explaining potential impacts to surface water and/or groundwater quality.
B. Documentation that the project does not involve runoff into karst terrain, untreated industrial or chemical discharge to unlined ponds or lakes, reinjection water wells unless water is treated to secondary levels, or chemical or fracking water injection; and documentation demonstrating that spill and leak prevention and response plans are in place.
C. Documentation of project planning, design, or construction decisions intended to reduce the risk of surface water and/or groundwater quality degradation.
D. Documentation of surface water monitoring programs; and documentation that the frequency and level of monitoring is sufficient to address the potential water quality impacts provided in criterion A.
E. Documentation that the project team actively designed the project to eliminate the need for a hazardous or potentially polluting substance or material.
F. Documentation of water quality baseline prior to the project's development; and documentation demonstrating that the project improves overall water quality onsite, or in the watershed, compared to the pre-existing baseline.

NW3.1 Enhance Functional Habitats

Baseline	Additional Effort
Restorative LOA – 18 points	N/A – 18 points

This credit focuses on terrestrial habitat creation, improvement, and connectivity (such as removing physical barriers between the Knoll and the Meadow).

Documents required:

A. Documentation showing areas of important habitat onsite and in the surrounding region, identifying potential and/or likely movement corridors between habitat areas, and potential existing barriers to these corridors onsite, which must be prepared by a trained, certified, or licensed habitat professional, and show collaboration with local and state agencies.
B. Documentation identifying new impacts or barriers that will result from development and the specific actions that will be taken to minimize or to mitigate them. Acceptable mitigation must be onsite, on a contiguous adjacent parcel, or within the affected landscape. Mitigation measures must maintain net habitat quality, quantity, and connectivity to provide a means for animals to access pre-development habitat after development is complete. Mitigation plans that impact sensitive or protected habitats must be prepared by a trained, certified, or licensed habitat professional, or approved by a relevant regulatory body. Documentation must include a monitoring plan to ensure that mitigation measures are effective for preserving habitat quality and connectivity.
C. A site plan and documentation illustrating measures taken to provide new habitat, and an identification of species that will benefit from the new habitat.

D. A site plan and documentation illustrating the measures taken to improve the quality of the existing habitat on the project; documentation of habitat improvement efforts and the intended impact they will have on site species; and a monitoring or maintenance plan to ensure habitat quality improvement measures are meeting their performance targets.
E. Documentation of new connections provided between habitats and their appropriateness for the local wildlife, and/or documentation of the removal of existing barriers to movement and habitat connectivity; and a monitoring plan to confirm improved habitat connectivity.
F. Documentation of previously developed land being returned to a natural state that supports habitat development.

NW3.2 Enhance Wetland and Surface Water Functions

Baseline	Additional Effort
Restorative LOA – 20 points	N/A – 20 points

This credit assumes DWP projects (aeration, recirculation, and stormwater capture) will be included in the SLRCMP, and that no existing natural functions are disturbed or damaged as a result of the project.

Documents required:

A. Documentation identifying all potential impacts to wetland and surface water functions, defined as hydrologic connection, water quality, aquatic habitat, and sediment transport.
B. Documentation of strategies implemented to minimize disturbance to wetland and surface water functions, and documentation of mitigation measures to compensate for unavoidable losses in wetland and surface water functions.
C. Documentation showing how the project will protect or restore hydrologic connection, including documentation showing appropriate sources of groundwater or surface waters are reconnected, diverted, or maintained.
D. Documentation showing the current source of the waterway's normal flow, the water quality of its source water, and how the water quality will be protected or restored.
E. A habitat survey of the waterbody and reference areas conducted by a recognized professional, and a plan to protect or restore the habitat for aquatic and riparian species by plantings and appropriate physical modifications.
F. Documentation demonstrating that sediment transport will not be disrupted by the proposed project; documentation that existing sources of sediment obstruction (if there is currently too little sediment entering the reservoirs) or sedimentation (if there is too much sediment entering the reservoirs) will be removed or mitigated, and, if appropriate, sediment will be removed; and reports from qualified resource professionals are required as part of the documentation (e.g. an engineer with sediment transport knowledge and experience).

NW3.3 Maintain Floodplain Functions

Baseline	Additional Effort
Conserving LOA – 11 points	Restorative LOA – 14 points

SLRC is within a mapped floodplain, and thus this credit is applicable to this project. This credit assumes that embankment edge asphalt removal can count to floodplain improvement. By removing some of the impervious surfacing, the project will return developed impervious surfaces to a natural vegetated state.

Documents required:

A. Documentation showing the location of the project relative to the 100-year or design floodplain; and a determination whether climate change predictions may significantly impact the floodplain map and potential impacts to the project.
B. Site maps indicating the area of natural/vegetated zones within the floodplain before and after project development; and calculations that show the project avoids developing any existing vegetated areas within the floodplain.
C. Documentation that the project preserves floodplain conveyance and floodplain storage; and documentation of any additional efforts to mitigate impacts to floodplain functions. Mitigation efforts may include but are not limited to maintaining or increasing floodplain storage capacity, maintaining pre-development floodplain infiltration, and maintaining or enhancing habitat such as riparian buffers within and along waterways in the floodplain.
D. N/A
E. (Additional Effort) Site maps indicating the location of structures or impervious/vegetated zones within the floodplain before and after the project development.

NW3.4 Control Invasive Species

Baseline	Additional Effort
Conserving LOA – 9 points	Restorative LOA – 12 points

This credit assumes that only native plants will be planted onsite, and that invasive species suppression and eradication will be a long-term requirement of ongoing maintenance. The ongoing aspect of the credit can be documented in a Sustainability Management Plan identified in LD2.1.

Documents required:

A. Documentation showing the type and quantity of all species introduced to the site (landscaping plan showing no invasive species will be planted); and a construction management plan, or policies, to prevent the introduction of invasive species, including best practices to ensure that construction materials and equipment used onsite are free of invasive species and seeds.
B. Mapping of all invasive species populations currently found onsite, including delineations of major (greater than 2.5 acres) and minor (less than 2.5 acres) infestations; and an assessment performed by a trained biologist, ecologist, or environmental professional of whether the populations can be eradicated or only controlled.

C. Documentation of plans for the removal of minor infestations before and throughout construction (specifications, contract language, or operational management plans); documentation of plans for a post-construction follow-up to remove any invasive species that re-emerges after initial control; and documentation of control, containment or suppression activities during construction for any major infestations.
D. Documentation of the inclusion of native species in the project landscaping focusing on how landscaping or maintenance plans are intentionally designed to increase the site resilience to infestation; and plans showing areas of existing noninvasive species that will remain undisturbed.
E. A minimum three-year plan that addresses prevention strategies for reducing the potential for re-establishment of invasive species onsite after initial removal, early detection and management strategies that monitor for and remove invasive species in the future, and rehabilitation and restoration methods to support long-term re-establishment of native or naturalized species onsite.
F. (Additional Effort) Documentation of ongoing control, containment or suppression plans for major infestations of invasive species.

NW3.5 Protect Soil Health

Baseline	Additional Effort
Restorative LOA – 8 points	N/A - 8 points

This credit assumes soil areas disturbed by construction activities will be restored, and that a soil restoration plan will be developed by a soil scientist.

Documents required:

A. Site plans and documentation showing total vegetated areas and percentage that will be disturbed; and documentation of how development plans will limit soil disturbance either through the project design or construction management.
B. Plans and specification that all post-construction vegetated areas onsite, including areas disturbed by development, will be restored to a condition that can support healthy plant and tree growth; documentation that disturbed natural soils in vegetated areas will be conserved and reused onsite to the extent possible; and documentation, including site plans, showing how soil type, structure and function have been restored to functions comparable to their original function (i.e. topsoil is used as topsoil, subsoil as subsoil, or subsoil is amended to become functional topsoil).
C. Documentation that the soil protection plan at minimum identify special landscape features and include best management practices to prevent soil disruption within their protective zones; and documentation that the soil protection plan is comprehensive and compliant with best management practices according to a local soil conservation agency, or have been reviewed or prepared under the guidance of a certified soil scientist.
D. Plans and documentation showing the existing condition of the site and clearly identifying areas previously disturbed by development; documentation that the project involves restoring previously disturbed areas to a condition that can support healthy plant and tree growth; and a soil restoration plan that has been reviewed or prepared for designated non-hardscape areas under the guidance of a certified soil scientist. Soils must demonstrate functionality (e.g.,

restored soils have appropriate water holding capacity, nutrient retention capability, and erosion prevention capability as reference soils).

5. Climate and Resilience

CR2.1 Avoid Unsuitable Development

Baseline	Additional Effort
Enhanced LOA – 6 points	N/A - 6 points

This credit assumes location of structures in the South Valley, by the Knoll, and elsewhere, consider site-based hazards such as geologic issues and flood-prone areas.

Documents required:

A. Documentation of identified site hazards; documentation of the vulnerability of the project and project alternatives to siting hazards; and documentation that the project team considered the potential for the project to exacerbate potential siting hazards.
B. Documentation that the project and siting alternatives were considered in order to minimize exposure to siting hazards as much as practicable (e.g. review meetings, alternative analyses, siting studies).
C. Documentation identifying strategies and controls implemented to reduce risk (possibly including monitoring and response plans); and documentation that the project team specifically determined whether the project has the potential to exacerbate site hazards and, if so, mitigation measures were implemented to reduce the project's impact.

CR2.6 Improve Infrastructure Integration

Baseline	Additional Effort
N/A - 0 points	Improved LOA - 2 points

This credit takes advantage of the multiple benefits attributable to the project, such as improved water quality, mobility, access, recreation, and social benefits.

Documents required:

A. (Additional Effort) Documentation of how systems within the project were integrated or coordinated in order to achieve efficiencies, redundancies, or system diversity.

Appendix A

Baseline Scenario Checklist

May 1, 2020

Institute for Sustainable Infrastructure

Envision® v3 Pre-Assessment Checklist

PURPOSE:

The Envision v3 Pre-assessment Checklist is intended to support incorporating Envision early in the planning and conceptual design project phases. The purpose of the checklist is to help project teams quickly identify whether they are addressing the full range of sustainability criteria.

The checklist presents the Envision criteria as yes/no questions, and the results are presented as an estimate of the possible score a project may achieve. Projects that address few of the assessment questions may have the opportunity for improvement by revisiting their project objectives and expanding their sustainability considerations to address more criteria. Projects that address many of the assessment criteria demonstrate that their approach was sufficiently broad. These projects may be good candidates for setting more detailed performance goals and objectives using the Envision guidance manual.

This evaluation can be used as the foundation for a future Envision rating system assessment but does not replace the rating system assessment. Users should reference the Envision v3 Guidance Manual when completing the pre-assessment checklist.

ORGANIZATION:

Each category tabs list the Envision credits and assessment questions. There are five tabs, one for each of the Envision categories: Quality of Life, Leadership, Resource Allocation, Natural World, and Climate and Resilience. There are a total of 59 credits (not including innovation credits). Each credit contains an intent, metric, and assessment questions. The intent describes the purpose of the credit and how it contributes to sustainability. The metric explains how the project team can be successful in meeting the intent of the credit.

Users are first asked to identify whether a credit is applicable or not by selecting 'yes' or 'no'. The points associated with credits deemed not applicable by selecting 'no' are set as zero. For those credits deemed to be applicable by selecting 'yes' users are to address the subsequent assessment questions. The assessment questions determine if the project meets the intent for that credit. The questions require users to select 'yes' or 'no' from a drop down menu. Some questions will also require a user to select an additional response from a drop down list below the specific question - these questions have the prompt 'select from one of the following'. Questions left unaddressed are assumed to be answered as 'no'.

As each question is addressed, the *Results* tab is automatically updated. The *Results* tab summarizes whether a credit has been assessed, not assessed, or not applicable. It presents the total number of questions answered yes and no, the total score based on the questions addressed, and the total assessed maximum points available based on applicable credits. The *Results* tab also includes a total maximum points available summary.

Note that the Envision v3 Pre-assessment Checklist results do not directly correspond to Envision rating system scores. While the checklist asks whether criteria are being considered, the rating system more deeply evaluates the level of achievement for each credit. The checklist results are not verified by ISI and are not eligible for ISI awards.

For more information about Envision visit:

www.sustainableinfrastructure.org

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Summary Results

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Quality of Life	Wellbeing	QL1.1 Improve Community Quality of Life	Assessed	6	1	0	0	0	20	0	20	26	26
		QL1.2 Enhance Public Health & Safety	Assessed	4	2	0	0	12	0	0	12	20	20
		QL1.3 Improve Construction Safety	Assessed	4	1	0	0	10	0	--	10	14	14
		QL1.4 Minimize Noise & Vibration	Not Assessed	0	0	0	0	0	0	0	0	12	12
		QL1.5 Minimize Light Pollution	Assessed	2	4	0	0	0	10	0	10	12	12
		QL1.6 Minimize Construction Impacts	Assessed	4	2	0	2	0	0	--	2	8	8
	Mobility	QL2.1 Improve Community Mobility Access	Assessed	4	2	0	0	7	0	0	7	14	14
		QL2.2 Encourage Sustainable Transportation	Assessed	4	0	--	0	0	0	16	16	16	16
		QL2.3 Improve Access & Wayfinding	Assessed	4	0	0	0	0	14	--	14	14	14
	Community	QL3.1 Advance Equity & Social Justice	Not Assessed	0	0	0	0	0	0	0	0	18	18
		QL3.2 Preserve Historic & Cultural Resources	Assessed	5	1	--	0	0	12	0	12	18	18
		QL3.3 Enhance Views & Local Character	Assessed	6	0	0	0	0	0	14	14	14	14
		QL3.4 Enhance Public Space & Amenities	Assessed	4	0	0	0	0	11	0	11	14	14

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Leadership	Collaboration	LD1.1 Provide Effective Leadership & Commitment	Assessed	2	2	0	5	0	0	--	5	18	18
		LD1.2 Foster Collaboration & Teamwork	Assessed	4	0	0	0	0	18	--	18	18	18
		LD1.3 Provide for Stakeholder Involvement	Assessed	6	0	0	0	0	0	18	18	18	18
		LD1.4 Pursue Byproduct Synergies	Not Assessed	0	0	0	0	0	0	0	0	18	18
	Planning	LD2.1 Establish a Sustainability Management Plan	Not Assessed	0	0	0	0	0	0	--	0	18	18
		LD2.2 Plan for Sustainable Communities	Assessed	3	2	0	0	9	0	0	9	16	16
		LD2.3 Plan for Long-Term Monitoring & Maintenance	Assessed	5	0	0	0	0	12	--	12	12	12
		LD2.4 Plan for End-of-Life	Not Assessed	0	0	0	0	0	0	--	0	14	14
	Economy	LD3.1 Stimulate Economic Prosperity & Development	Not Assessed	0	0	0	0	0	0	--	0	20	20
		LD3.2 Develop Local Skills & Capabilities	Not Assessed	0	0	0	0	0	0	0	0	16	16
		LD3.3 Conduct a Life-Cycle Economic Evaluation	Not Assessed	0	0	0	0	0	0	0	0	14	14

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Resource Allocation	Materials	RA1.1 Support Sustainable Procurement Practices	Not Assessed	0	0	0	0	0	0	--	0	12	12
		RA1.2 Use Recycled Materials	Assessed	1	0	0	0	9	0	--	9	16	16
		RA1.3 Reduce Operational Waste	Not Assessed	0	0	0	0	0	0	--	0	14	14
		RA1.4 Reduce Construction Waste	Assessed	2	0	0	7	0	0	--	7	16	16
		RA1.5 Balance Earthwork On Site	Assessed	1	0	0	0	0	8	--	8	8	8
	Energy	RA2.1 Reduce Operational Energy Consumption	Not Assessed	0	0	0	0	0	0	--	0	26	26
		RA2.2 Reduce Construction Energy Consumption	Not Assessed	0	0	0	0	0	0	--	0	12	12
		RA2.3 Use Renewable Energy	Assessed	1	0	0	0	15	0	0	15	24	24
		RA2.4 Commission & Monitor Energy Systems	Not Assessed	0	0	0	0	0	0	--	0	14	14
	Water	RA3.1 Preserve Water Resources	Assessed	6	0	0	0	0	0	12	12	12	12
		RA3.2 Reduce Operational Water Consumption	Not Assessed	0	0	0	0	0	0	0	0	22	22
		RA3.3 Reduce Construction Water Consumption	Not Assessed	0	0	0	0	0	0	--	0	8	8
		RA3.4 Monitor Water Systems	Not Assessed	0	0	0	0	0	0	--	0	12	12

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Natural World	Siting	NW1.1 Preserve Sites of High Ecological Value	Assessed	4	2	0	0	0	0	22	22	22	22
		NW1.2 Provide Wetland & Surface Water Buffers	Assessed	4	1	2	0	0	0	0	2	20	20
		NW1.3 Preserve Prime Farmland	Not Applicable	0	0	--	0	0	0	0	0	0	16
		NW1.4 Preserve Undeveloped Land	Assessed	2	0	0	0	0	0	24	24	24	24
	Conservation	NW2.1 Reclaim Brownfields	Not Assessed	0	0	0	0	0	0	0	0	22	22
		NW2.2 Manage Stormwater	Assessed	4	0	0	0	0	0	24	24	24	24
		NW2.3 Reduce Pesticide & Fertilizer Impacts	Assessed	4	0	0	0	0	9	0	9	12	12
		NW2.4 Protect Surface & Groundwater Quality	Assessed	6	0	0	0	0	0	20	20	20	20
	Ecology	NW3.1 Enhance Functional Habitats	Assessed	6	0	0	0	0	0	18	18	18	18
		NW3.2 Enhance Wetland & Surface Water Functions	Assessed	7	0	0	0	0	0	20	20	20	20
		NW3.3 Maintain Floodplain Functions	Assessed	3	2	0	0	0	11	0	11	14	14
		NW3.4 Control Invasive Species	Assessed	5	1	0	0	0	9	0	9	12	12
		NW3.5 Protect Soil Health	Assessed	4	0	--	0	0	0	8	8	8	8

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Climate and Resilience	Emissions	CR1.1 Reduce Net Embodied Carbon	Not Assessed	0	0	--	0	0	0	--	0	20	20
		CR1.2 Reduce Greenhouse Gas Emissions	Not Assessed	0	0	0	0	0	0	0	0	26	26
		CR1.3 Reduce Air Pollutant Emissions	Not Assessed	0	0	0	0	0	0	0	0	18	18
	Resilience	CR2.1 Avoid Unsuitable Development	Assessed	3	3	0	6	0	0	0	6	16	16
		CR2.2 Assess Climate Change Vulnerability	Not Assessed	0	0	0	0	0	0	--	0	20	20
		CR2.3 Evaluate Risk and Resilience	Not Assessed	0	0	0	0	0	0	--	0	26	26
		CR2.4 Establish Resilience Goals and Strategies	Not Assessed	0	0	--	0	0	0	--	0	20	20
		CR2.5 Maximize Resilience	Not Assessed	0	0	0	0	0	0	--	0	26	26
		CR2.6 Improve Infrastructure Integration	Not Assessed	0	0	0	0	0	0	0	0	18	18

	Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
		Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Total Points	**25 Not Assessed**	**130**	**26**	**2**	**20**	**62**	**134**	**196**	**414**	**984**	**1000**

Possible Award Level:	**Gold**

Quality of Life

1. WELLBEING

QL 1.1 Improve Community Quality of Life — 20 of 26 Points

Intent: Improve the net quality of life of all communities affected by the project and mitigate negative impacts to communities.

Metric: Measures taken to assess community needs and improve quality of life while minimizing negative impacts.

Applicability: It is likely that all projects have the ability to align project objectives with community needs and goals, identified through active engagement, in order to achieve broad community satisfaction. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified and taken into account community needs, goals, and issues?	Yes
B	Does the project meet or support the needs and goals of the host and/or affected communities?	Yes
C	Has the project team assessed the social impacts the project will have on the host and affected communities' quality of life?	Yes
D	Have the affected communities been meaningfully engaged in identifying how the project meets community needs and/or goals?	Yes
E	Has the project team addressed negative social impacts?	Yes
F	Are the affected communities satisfied that the project addresses their needs and goals as well as mitigates negative impacts?	Yes
G	Does the project proactively address long-term social, economic, or environmental changes that impact quality of life?	No
	Yes =	6 of 7

QL 1.2 Enhance Public Health and Safety — 12 of 20 Points

Intent: Protect and enhance community health and safety during operation.

Metric: Measures taken to increase safety and provide health benefits on the project site, surrounding sites, and the broader community in a just and equitable manner.

Applicability: It is likely that all projects, large and small, have the ability to positively impact health and/or safety in some way. Safety actions can be relative to the scale of the project, from repainting a crosswalk to preventing major chemical spills. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the project meet all health and safety regulations and laws for operations?	Yes
B	Has the project exceeded minimum legal health and safety requirements as established by regulations and laws?	Yes
C	Does the project include health and safety improvements for the immediate surroundings?	Yes
D	Does the project include health and safety improvements for the broader host or affected communities?	Yes
E	Can the project team demonstrate that health and safety risks and impacts are not disproportionately borne by one community over another?	No
F	Will the project provide critical infrastructure services to communities experiencing, or at risk of experiencing, imminent negative health and/or personal safety impacts?	No
	Yes =	4 of 6

QL 1.3 Improve Construction Safety — 10 of 14 Points

Intent: Enhance public and worker safety during construction.

Metric: Commitments and measures to monitor safety, provide feedback mechanisms, train personnel, establish security plans, and make health programs available.

Applicability: All projects that include construction have the ability to positively impact construction safety. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Have the project owner and contractor (GC/CM) made strong commitments to monitoring and improving health and safety?	Yes
B	Does the project include reliable feedback mechanisms to identify risks, conduct hazard analyses, and communicate hazards to personnel?	Yes
C	Does the project include safety or security training requirements for personnel?	Yes
D	Does the project include a comprehensive security plan to protect workers, the public, and sensitive information?	Yes
E	Does the project include health and/or well-being programs?	No
	Yes =	4 of 5

QL 1.4 Minimize Noise and Vibration — 0 of 12 Points

Intent: Minimize noise and vibrations during operations to maintain and improve community livability.

Metric: The extent that operational noise and vibration is assessed and mitigated, and target levels achieved.

Applicability: Consideration is given to whether the project will have any operational noise. Noises generated by activities induced by the project, such as cars on roads, pedestrians in parks, and trucks accessing facilities, are applicable to this credit. Projects that do not include any operational noise may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team assessed the potential for operational noise impacts on the surrounding community and/or environment?		Yes
B	Has the project mitigated noise generated as a result of the project?		Yes
C	Does the project set or adopt target noise levels?		Yes
D	Has the project team engaged impacted stakeholders on issues of noise and vibration impacts, mitigation strategies, and target levels?		Yes
E	To what extent will the project maintain or reduce existing noise levels? Select one of the following:		-
	None	2	
		Yes =	-

QL 1.5 Minimize Light Pollution — 10 of 12 Points

Intent: Reduce backlight, uplight, and glare without jeopardizing safety during operations.

Metric: Lighting meets backlight, uplight, and glare requirements for lighting zones.

Applicability: This credit is not applicable if projects do not include any exterior lighting. Certain types of projects may be required to use lighting that is incompatible with the credit requirements. This is not considered an acceptable reason for designating the credit as not applicable. Projects that are unable to demonstrate achievement in this credit are encouraged to pursue higher performance in other credits.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team conducted an assessment of lighting needs and impacts for the project?	Yes
B	Has the project implemented strategies to reduce light pollution?	-
C	Has the project developed a lighting plan establishing lighting zones?	-
D	Will luminaires prevent light emission above 90 degrees?	-
E	Do all project lights meet backlight, uplight, and glare (BUG) requirements for their respective lighting zones?	Yes
F	Does the project involve the removal or retrofitting of existing lighting so as to significantly reduce overall existing lighting?	No
	Yes =	2 of 6

QL 1.6 Minimize Construction Impacts — 2 of 8 Points

Intent: Minimize or eliminate the temporary inconveniences associated with construction.

Metric: Extent of issues addressed through construction management plans.

Applicability: Consideration is given to whether the project includes construction activities with the potential to impact the quality of life of individuals. Projects that do not include construction impacts (e.g. an internal refurbishment of a private facility or extremely remote site) may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project implemented a construction management plan or policies to address construction impacts?	Yes
B	Does the construction management plan mitigate noise and/or vibrations?	Yes
C	Does the construction management plan address safety and wayfinding for pedestrians and vehicles during construction?	Yes
D	Does the construction management plan maintain access to public space and amenities during construction?	Yes
E	Does the construction management plan address distracting or intrusive lighting during construction?	No
F	Does the construction management plan or policies include robust feedback mechanisms and performance monitoring and reporting for construction impacts?	No
	Yes =	4 of 6

2. MOBILITY

QL 2.1 Improve Community Mobility and Access — 7 of 14 Points

Intent: Plan the project as part of a connected network that supports all transportation modes for the efficient movement of people, goods, and services.

Metric: The extent to which the project broadens mode choices, reduces commute times, reduces vehicle distance traveled,

Applicability: Consideration is given to whether the project has any potential to impact mobility. Non-transportation projects that do not include any mobility impacts (positive or negative), and can demonstrate no potential for positively impacting mobility, may apply to have this credit deemed not applicable with supporting documentation. This credit is inherently applicable to all transportation infrastructure projects.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Is the project consistent with local transportation plans?	Yes
B	Has the project team obtained input from the community and key stakeholders regarding issues of mobility and access?	Yes
C	Does the project include strategies to increase capacity, manage congestion, reduce vehicle distance traveled, or lower accident rates?	Yes
D	Has the project team worked with the community to expand mobility and access options and/or incorporate complete streets policies?	Yes
E	Has the project team considered the long-term mobility and access needs of the community?	No
F	Does the project create new or restore previous connections between communities?	No
	Yes =	4 of 6

QL 2.2 Encourage Sustainable Transportation — 16 of 16 Points

Intent: Expand accessibility to sustainable transportation choices including active, shared, and/or mass transportation.

Metric: The extent to which active, shared, or mass transportation options are accessible, encouraged, and supported as part of a larger integrated transportation network.

Applicability: Consideration is given to whether the project includes transportation infrastructure, or includes the frequent dependence on transportation for access to the project. This credit is applicable to all transportation infrastructure. Projects that do not include transportation infrastructure and are not accessible, unmanned, or have very small maintenance crews, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the project provide convenient access to active, shared, or mass transportation options?	Yes
B	Is the project configured and designed in such a way to encourage active, shared, and/or mass transportation options?	Yes
C	Does the project include programs and facilities that support the use of active transportation and transit?	Yes
D	Does the project contribute to a larger integrated active, shared, or mass transportation strategy for the community or region?	Yes
	Yes =	4 of 4

QL 2.3 Improve Access and Wayfinding — 14 of 14 Points

Intent: Design the project to provide safe and appropriate access in and/or around the project in a way that integrates the project with the surrounding community.

Metric: Incorporating and providing clear access, safety, and wayfinding measures to accommodate emergency services and regular vehicular or pedestrian traffic.

Applicability: Consideration is given to the potential for impacting community access on or around the project site. Infrastructure that is inherently inaccessible (e.g., underground) or extremely remote (e.g., inaccessible by public roads) may apply to have this credit deemed not applicable with supporting documentation. Default restrictions on public access are not considered acceptable justification for marking the credit not applicable. This credit is automatically applicable to any project in proximity to populated areas or other development, adjacent to sensitive sites, or involving regular incoming or outgoing traffic.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project addressed access, safety, and wayfinding for incident management including evacuation and emergency personnel?	Yes
B	Does the project utilize access, safety, and signage to protect or minimize impacts on the surroundings?	Yes
C	Does the project provide safe public access points for the benefit of the community?	Yes
D	Does the project have a positive and transformative impact on community neighborhood access, safety, and/or wayfinding?	Yes
	Yes =	4 of 4

3. COMMUNITY

QL 3.1 Advance Equity and Social Justice — 0 of 18 Points

Intent: Ensure that equity and social justice are fundamental considerations within project processes and decision making.

Metric: Degree to which equity and social justice are included in stakeholder engagement, project team commitments, and decision making.

Applicability: This credit can be designated as not applicable for projects that do not impact the surrounding community. For example, the installation or refurbishment of systems internal to a facility that do not impact the quality or level of service provided by the infrastructure.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Does the stakeholder engagement process take into account the historic context of equity and social justice within affected communities?	-
B	Has the project team assessed the social impacts the project will have on the host and affected communities?	-
C	Have key members of the project team made commitments to equity and social justice within their organizations?	-
D	Has the project addressed social impacts related to equity and social justice?	-
E	Will the impacts and benefits of the project be distributed equitably throughout affected communities?	-
F	Has the project team empowered communities to engage in the development process?	-
G	Does the project positively address or correct an existing or historic injustice or imbalance?	-
	Yes =	-

QL 3.2 Preserve Historic and Cultural Resources — 12 of 18 Points

Intent: Preserve or restore significant historical and cultural sites and related resources.

Metric: Steps taken to identify, preserve, or restore cultural resources.

Applicability: Project teams that are unable to identify any historic or cultural resources relevant to the project may apply to have this credit deemed not applicable with supporting documentation. Supporting documentation should demonstrate how stakeholder engagement activities, cultural resource studies, or equivalent, were implemented in an effort to identify possible historic or cultural resources. This credit is applicable to all infrastructure projects that impact a historic or cultural resource identified in state/provincial, national, or international registries, or identified through stakeholder engagement. This credit is also applicable, and no points achieved, for projects that cannot demonstrate a serious effort was made to identify potential historic or cultural resources.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team worked with the community and required regulatory and resource agencies to identify historic and cultural resources?	Yes
B	Has the project team developed strategies to document, protect, or enhance historic and cultural resources to the project?	Yes
C	Does the identification of historic/cultural resources extend beyond registries to identify important parts of the community culture?	Yes
D	Has the project team worked with stakeholders to develop a sensitive design and approach?	Yes
E	Does the project avoid all historic/cultural resources or fully preserve/protect their character-defining features?	Yes
F	Does the project enhance or restore threatened or degraded historic/cultural resources in the community, or add a resource to a protected registry?	No
	Yes =	5 of 6

QL 3.3 Enhance Views and Local Character — 14 of 14 Points

Intent: Preserve or enhance the physical, natural, and/or community character of the project site and its surroundings.

Metric: Steps taken to assess valued community resources, implement preservation measures, and determine overall satisfaction.

Applicability: Projects that have no public visibility or impact on views, such as underground utilities or the refurbishment of equipment within an existing facility, may submit to have this credit deemed not applicable with supporting documentation. Reviewers are unlikely to accept arguments that a publicly visible project has no impact on views or local character.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team made a reasonable determination of community values and concerns regarding protection and enhancement of views and local character?	Yes
B	Has the project team implemented specific strategies to preserve or enhance views and local character?	Yes
C	Has the project team developed or adopted existing guidelines to preserve views and local character?	Yes
D	Does the project include a construction management plan to protect important natural or man-made features?	Yes
E	Does the community support actions taken to preserve or enhance views and local character?	Yes
F	Will the project result in the restoration or enhancement of views or local character?	Yes
	Yes =	6 of 6

QL 3.4 Enhance Public Space and Amenities — 11 of 14 Points

Intent: Improve amenities and publicly accessible spaces to enhance community livability.

Metric: Plans and commitments to preserve, conserve, enhance, and/or restore the defining elements of the amenity.

Applicability: This credit is applicable to projects that are publicly accessible or that impact, adjoin, or otherwise connect to existing public spaces or amenities. This represents the large majority of infrastructure projects. Designating this credit as not applicable can be difficult. Projects that by their nature preclude the possibility of addressing public space or amenities may submit to have this credit deemed not applicable with supporting documentation (e.g., mechanical system refurbishments, offshore wind farms, etc.). Not addressing the potential for public space or amenities is not sufficient alone to designate this credit not applicable. Infrastructure projects, especially those traditionally viewed as inaccessible, are encouraged to consider how they can benefit their surrounding community through the enhancement or provision of public space and amenities.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team assessed and mitigated impacts to existing public space and/or amenities?	Yes
B	Does the stakeholder engagement process specifically address issues of public space and amenities?	Yes
C	Are public stakeholders satisfied with the project plans involving public space and amenities?	Yes
D	To what extent does the project involve significantly enhancing, creating, or restoring public space and/or amenities? Select one of the following:	Yes
	The project creates a new public resource or amenity to the community that did not previously exist. The scope of the new public space/amenity is commensurate with the scope and scale of the project.	

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Yes = 4 of 4

Leadership

1. COLLABORATION

LD 1.1 Provide Effective Leadership and Commitment — 5 of 18 Points

Intent: Provide effective leadership and commitment to achieve project sustainability goals.

Metric: The degree to which the project owner and project team have made general, and project-specific, sustainability commitments and instituted sustainability management policies.

Applicability: It is likely that all projects can benefit from effective leadership and strong commitments to sustainability. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Have the project owner and project team made written commitments to address the social, environmental, and economic aspects of the project?	Yes
B	Is the project supported by a sustainability management policy commensurate with the scope, scale, and complexity of the project?	Yes
C	Has the project team periodically revisited project sustainability commitments throughout project delivery?	No
D	Have key members of the project team made organizational commitments to sustainability?	No
	Yes =	2 of 4

LD 1.2 Foster Collaboration and Teamwork — 18 of 18 Points

Intent: Enhance project sustainability through interdisciplinary collaboration and teamwork.

Metric: The breadth and inclusivity of interdisciplinary and collaborative meetings and the resulting sustainability performance enhancements.

Applicability: It is likely that all projects can benefit from better collaboration and teamwork in pursuit of more sustainable projects. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Was an interdisciplinary collaborative kickoff meeting held early in the project to define sustainability goals?	Yes
B	Has project sustainability performance been enhanced as a result of the interdisciplinary collaboration?	Yes
C	Did the project team establish regular interdisciplinary and collaborative meetings to set and achieve sustainability goals?	Yes
D	Does the process include construction, operations, or maintenance stakeholders, for better incorporation of considerations in later project phases?	Yes
	Yes =	4 of 4

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LD 1.3 Provide for Stakeholder Involvement		18 of 18 Points

Intent: Early and sustained stakeholder engagement and involvement in project decision making.

Metric: Establishment of sound and meaningful programs for stakeholder identification, early and sustained engagement, and involvement in project decision making.

Applicability: It is likely that all projects can benefit from stakeholder engagement. Although the types and scope of stakeholders may vary depending on the project, it would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team undertaken a stakeholder mapping exercise to determine stakeholders? Were primary and secondary stakeholders identified through a stakeholder mapping process, and stakeholder concerns and specific objectives for stakeholder engagement defined?	Yes
B	Has the project team analyzed, planned, and executed the engagement for key project stakeholders? Is there a proactive stakeholder engagement process established with clear objectives where: engagement moves beyond education into active dialogue; stakeholder views are monitored, and a two-way line of communication is established to reply to inquiries; and sufficient opportunities are provided for stakeholders to be involved in decision making?	Yes
C	Was a lead member of the project team directly involved with stakeholder groups to understand their needs?	Yes
D	Has stakeholder engagement feedback been incorporated into project plans, design, and/or decision making? Are specific cases in which public input influenced or validated project outcomes, and potentially conflicting stakeholder views were evaluated and addressed equitably during decision making?	Yes
E	Has the project team sought feedback from stakeholders as to their satisfaction with the engagement process and the resulting decisions that were made based on their input?	Yes
F	Has the project engaged one or more stakeholders as partners?	Yes
	Yes =	6 of 6

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LD 1.4 Pursue Byproduct Synergies — 0 of 18 Points

Intent: Critically reconsider whether traditional waste streams can be beneficially reused.

Metric: The extent to which the project team works with external groups to find beneficial use of waste, excess resources, or capacity.

Applicability: It is likely that all projects that use materials or product waste can benefit from byproduct synergies. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team assessed the availability of either internal or external excess resources or capacity?		-
B	Has the project team identified opportunities for byproduct synergies or reuse?		-
C	Has the project team actively pursued a byproduct synergy or reuse?		-
D	Does the project include a byproduct synergy by utilizing unwanted excess resources or finding destinations for the beneficial reuse of unwanted excess resources? Select one of the following:		-
	None	2	
E	Is the project part of a circular economy, whereby the majority of operational byproducts are beneficially repurposed or the majority of operational resources consumed are beneficially repurposed?		-
		Yes =	-

2. PLANNING

LD 2.1 Establish a Sustainability Management Plan — 0 of 18 Points

Intent: Create a project sustainability management plan that can manage the scope, scale, and complexity of a project seeking to improve sustainable performance.

Metric: Extent of organizational policies, authorities, mechanisms, education, and business processes put in place.

Applicability: It is likely that all projects can benefit from a sustainability management plan. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Are roles and responsibilities for addressing sustainability assigned to key members of the project team?	Yes
B	Has a sustainability management plan been developed to assess and prioritize the environmental, economic, and social aspects of the project and set project sustainability goals, objectives, and targets?	Yes
C	Does the project include a sustainability management plan that contains sufficient processes and management controls to address the sustainability goals, objectives, and targets?	Yes
D	Was the sustainability management plan implemented and periodically revisited?	Yes
E	Is the project sustainability management plan adaptable, flexible, and resilient enough to manage changes in the environmental, social, or economic conditions of the project over its life?	Yes
	Yes =	-

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LD2.2 Plan for Sustainable Communities — 9 of 16 Points

Intent: Incorporate sustainability principles into project selection/identification in order to develop the most sustainable project for the community.

Metric: The degree to which project selection/identification includes sustainability performance assessments and is part of a larger sustainable development plan.

Applicability: Consideration is given to the scope and scale of the project and whether it has the potential to more broadly impact community sustainability. For example, small projects that involve the retrofitting or refurbishment of components or systems within an existing facility may contribute to improved sustainability performance but may struggle to demonstrate an impact beyond the project site. Small projects that do not impact the broader community sustainability, and do not have the potential to impact community sustainability, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Was sustainability considered during project selection/identification?	Yes
B	Were alternative analyses conducted on sustainability performance during project identification?	Yes
C	Was an assessment conducted of the project's impacts to broader long-term community or regional sustainability?	Yes
D	Is the project part of a comprehensive sustainable development plan?	No
E	Does the project address an inherently unsustainable condition within the community or region?	-
	Yes =	3 of 5

LD2.3 Plan for Long-Term Monitoring and Maintenance — 12 of 12 Points

Intent: Put in place plans, processes, and personnel sufficient to ensure that long-term sustainable protection, mitigation, and enhancement measures are incorporated into the project.

Metric: Comprehensiveness of long-term monitoring and maintenance plans, implementation goals, and commitment of resources to fund the activities.

Applicability: This credit is applicable to all projects that include ongoing monitoring and maintenance. In rare cases where projects do not include operation or maintenance activities, projects may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team considered how to reduce ongoing operational impacts?	Yes
B	Is there a clear and comprehensive plan in place for long-term monitoring and maintenance of the completed project?	Yes
C	Has the monitoring and maintenance plan been communicated with operations and maintenance staff?	Yes
D	Have sufficient resources been allocated for long-term monitoring and maintenance of the completed project and appropriate training been conducted?	Yes
E	Is there a plan in place to re-evaluate and modify the maintenance plan based on monitored data?	Yes
	Yes =	5 of 5

LD2.4 Plan for End-of-Life — 0 of 14 Points

Intent: Ensure that the project team is informed by an understanding of the full impacts and costs of the project's end-of-life.

Metric: The degree to which the project team analyzes, and communicates with stakeholders, the end-of-life impacts, cost, and value.

Applicability: It is likely that all projects can benefit from end-of-life planning. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team developed an end-of-life plan?	-
B	Has the project team evaluated opportunities to extend the project's useful life or beneficially repurpose the project after end-of-life?	-
C	Has the project team assessed potential social, environmental, and economic end-of-life impacts?	-
D	Has the project team evaluated the costs and salvage value of the project's deconstruction, decommissioning, or replacement?	-
E	Has the project team proactively engaged stakeholders in end-of-life planning?	-
	Yes =	-

3. ECONOMY

LD3.1 Stimulate Economic Prosperity and Development — 0 of 20 Points

Intent: Support economic prosperity and sustainable development, including job growth, capacity building, productivity, business attractiveness, and livability.

Metric: The extent of job creation, increased operating capacity, access, quality, and/or improved socioeconomic conditions.

Applicability: The scope of this credit is broad, covering commercial, industrial, cultural, and recreational aspects of community development. In determining whether this credit is applicable to a project assessment, it is likely that all projects have the ability to support and stimulate economic prosperity and sustainable development. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Does the project create a significant number of new jobs during its design, construction, and operation?	Yes
B	Does the project provide new operating capacity for business, industry, or the public?	Yes
C	Does the project provide additional access, increase the number of choices, and/or increase the quality of infrastructure services for business, industry, or the public?	-
D	Does the project improve community attractiveness for business, industry, or the public by generally improving the socioeconomic conditions of the community?	-
E	Will the project stimulate economic prosperity and further economic development?	-
	Yes =	-

Envision Framework
Pre-Assessment Checklist

LD3.2 Develop Local Skills and Capabilities — 0 of 16 Points

Intent: Expand the knowledge, skills, and capacity of the community workforce to improve their ability to grow and develop.

Metric: The inclusion of current and future training programs, informed by skill or capability gaps, and targeted to economically depressed or underemployed communities.

Applicability: For this credit, an alternative compliance path is provided in the Evaluation Criteria and Documentation Guidance for projects that are too small to include independent training and skill development. It is therefore unlikely that a project could demonstrate no opportunity for education at any point during its planning, design, or construction. When organizational-level training programs are referenced, project teams must demonstrate a relevance to the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Will the project include training programs for local skill development?		-
B	Has the project team identified skill or capability gaps in the local workforce and targeted training programs to address them? Select one of the following:	2	-
	None		
C	Will training, education, or skill development programs continue after project delivery?		-
D	Will training and skill development programs specifically target economically depressed, underemployed, or disadvantaged communities?		-
		Yes =	-

LD3.3 Conduct a Life-Cycle Economic Evaluation — 0 of 14 Points

Intent: Utilize economic analyses to identify the full economic implications and the broader social and environmental benefits of the project.

Metric: The comprehensiveness of the economic analyses used to determine the net impacts of the project, and their use in assessing alternatives to inform decision making.

Applicability: It would be difficult to demonstrate that this credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has a life-cycle cost analysis been conducted to identify the financial impacts of the whole project?		-
B	Have life-cycle cost analyses been used to compare alternatives for at least one major project component?		-
C	Has the project team mapped the social, environmental, and financial costs and benefits of the project?		-
D	Has a cost benefit analysis been conducted to identify the financial, social, and environmental impacts of the whole project?		-
E	Have cost benefit analyses, including financial, environmental, and social benefits, been used to compare the alternatives for at least one major project component?		-
		Yes =	-

Resource Allocation

1. MATERIALS

RA1.1 Support Sustainable Procurement Practices — 0 of 12 Points

Intent: Develop sustainable procurement policies and programs to source materials and equipment from manufacturers and suppliers that implement sustainable practices.

Metric: The extent of sustainable procurement programs, and the percentage of materials sourced from manufacturers and/or suppliers that implement sustainable practices.

Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team implemented a sustainable procurement policy or program?		Yes
B	To what extent do materials, supplies, equipment, manufacturers, and suppliers meet sustainable procurement policy/program requirements? Select one of the following:	C	-
	At least 25% of all project materials, supplies, and equipment meet the sustainable procurement policy/program requirements.		

Yes = -

RA1.2 Use Recycled Materials — 9 of 16 Points

Intent: Reduce the use of virgin natural resources and avoid sending useful materials to landfills by specifying reused materials, including structures, and material with recycled content.

Metric: Percentage of project materials that are reused or recycled. Plants, soil, rock, and water are not included in this credit.

Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	To what extent has the project team used recycled materials, including materials with recycled content and/or reused existing structures or materials? Select one of the following:	Yes
	At least 25% (by weight, volume, or cost) of recycled materials including materials with recycled content and/or reused existing structures or materials.	

Yes = 1 of 1

Envision Framework
Pre-Assessment Checklist

RA1.3 Reduce Operational Waste — 0 of 14 Points

Intent: Reduce operational waste and divert waste streams from disposal to recycling and reuse.

Metric: Percentage of total operational waste or byproducts diverted from disposal.

Applicability: This credit is applicable to all projects that produce operational waste or byproducts. Projects that do not include any operational waste may apply to have this credit deemed not applicable with supporting documentation.

			Yes/No
	Is this credit applicable?		-

	Assessment Questions:		Criteria Met?
A	Has the project team developed a waste management plan to decrease project waste and divert waste from landfills during operation?		Yes
B	To what extent has the project team reduced waste or diverted waste from landfills? Select one of the following:	D	-
	The project is planned or designed to divert at least 95% of operational waste. Diversion may be a combination of waste reduction measures and/or sourcing waste to other facilities for recycling or reuse.		
		Yes =	-

RA1.4 Reduce Construction Waste — 7 of 16 Points

Intent: Divert construction and demolition waste streams from disposal to recycling and reuse.

Metric: Percentage of total waste diverted from disposal.

Applicability: This credit is applicable to all projects that produce construction waste. Projects that do not include any construction waste may apply to have this credit deemed not applicable with supporting documentation.

			Yes/No
	Is this credit applicable?		Yes

	Assessment Questions:		**Criteria Met?**
A	Has the project team developed a comprehensive waste management plan to decrease project waste and divert waste from landfills during construction?		Yes
B	To what extent has construction waste been diverted from landfills? Select one of the following:		Yes
	During construction at least 50% of waste materials are recycled, reused, and/or salvaged. Diversion may be a combination of waste-reduction measures and sourcing waste to other facilities for recycling or reuse.		
		Yes =	2 of 2

RA1.5 Balance Earthwork On Site — 8 of 8 Points

Intent: Minimize the movement of soils and other excavated materials off site to reduce transportation and environmental impacts.

Metric: Percentage of excavated material retained on site or nearby.

Applicability: This credit is applicable to all projects that involve the excavation of qualifying earthwork. Projects that do not include any earthwork, or only involve the excavation of excluded material considered contaminated or hazardous, may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of excavated soil is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of excavated material in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	To what extent has the project team designed the project to balance cut and fill to reduce the excavated material taken off site? Select one of the following:	Yes
	The site is fully balanced. No earthwork is removed from the site and no earthwork is imported.	
	Yes =	1 of 1

2. ENERGY

RA2.1 Reduce Operational Energy Consumption — 0 of 26 Points

Intent: Conserve energy by reducing overall operational energy consumption throughout the project life.

Metric: Percentage of operational energy reductions achieved.

Applicability: This credit is applicable to all projects that consume energy during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team determined the estimated annual energy consumption of the project during operations?		-
B	To what extent has the project reduced operational energy consumption? Select one of the following:	2	-
	None		
	Yes =		-

Envision Framework
Pre-Assessment Checklist

RA2.2 Reduce Construction Energy Consumption — 0 of 12 Points

Intent: Conserve resources and reduce greenhouse gases and air pollutant emissions by reducing energy consumption during construction.

Metric: The number of strategies implemented on the project during construction that reduce energy consumption and emissions.

Applicability: This credit is applicable to all projects that consume energy during construction. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award. In rare cases, where the amount of energy used during construction is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of construction energy use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team conducted planning reviews to reduce energy consumption during construction?		Yes
B	To what extent have energy conservation strategies been implemented during construction? (strategies are listed in the Envision Guidance Manual) Select one of the following:	C	-
	The project implements, or has written requirements to implement, at least six (6) energy reduction strategies.		
		Yes =	-

RA2.3 Use Renewable Energy — 15 of 24 Points

Intent: Meet operational energy needs through renewable energy sources.

Metric: Extent to which renewable energy sources are incorporated.

Applicability: This credit is applicable to all projects that consume energy (fuel or electricity) during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:		**Criteria Met?**
A	To what extent does the project meet electricity or fuel needs from renewable sources? Select one of the following:		Yes
	The project meets 30% of energy needs (electricity and fuel) from renewable sources.		
		Yes =	1 of 1

Envision Framework
Pre-Assessment Checklist

RA2.4 Commission and Monitor Energy Systems — 0 of 14 Points

Intent: Ensure efficient functioning and extend useful life by specifying commissioning and monitoring of energy systems.

Metric: The inclusion of monitoring equipment and software, the extent of commissioning, and the commissioning agent's independence from the project.

Applicability: This credit is applicable to all projects that consume energy during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Does the design incorporate advanced integrated monitoring systems in order to enable more efficient operations? Select one of the following:	2	-
	None		
B	To what extent has a commissioning been conducted? Select one of the following:	2	-
	None		
C	Is there a plan for ongoing commissioning of the energy systems throughout the project's life?		-
		Yes =	-

Envision Framework
Pre-Assessment Checklist

RA3.1 Preserve Water Resources — 12 of 12 Points

Intent: Assess and reduce the negative net impact on fresh water availability, quantity, and quality at a watershed scale to positively impact the region's water resources.

Metric: The extent to which the project considers and contributes to positively addressing broader watershed issues.

Applicability: This credit is applicable to all projects that consume water or impact receiving waters. Projects that do not include any impacts to water quantity or quality may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the impact to water quantity or quality is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant impact to water quantity or quality use in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Has the project team conducted a watershed assessment?	Yes
B	Has the project team estimated the water usage and wastewater generation over the life of the project?	Yes
C	Does the project include features to minimize the negative impacts of water usage, and/or watershed-scale issues?	Yes
D	Does the project have a net-zero impact on the quantity and availability of fresh surface water and groundwater supplies without compromising water quality?	Yes
E	Is the project part of a watershed-level or regional plan?	Yes
F	Does the project make a direct net-positive improvement to the watershed?	Yes
	Yes =	6 of 6

RA3.2 Reduce Operational Water Consumption — 0 of 22 Points

Intent: Reduce overall water consumption while encouraging the use of greywater, recycled water, and stormwater to meet water needs.

Metric: Percentage reduction in potable water use and overall water use.

Applicability: This credit is applicable to all projects that consume water during operations. Projects that do not include any operational water consumption may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of water consumption is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational water use in the context of the project.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team conducted planning and design reviews to identify potable water reduction strategies during operation of the project?		-
B	To what extent has the project reduced potable water use? Select one of the following:	2	-
	None		
C	To what extent has the project reduced overall water use (including potable and nonpotable water)? Select one of the following:	2	-
	None		
D	Does the project have a net positive impact on water use?		-
		Yes =	-

RA3.3 Reduce Construction Water Consumption — 0 of 8 Points

Intent: Reduce potable water consumption during construction.

Metric: The number of strategies implemented during construction that reduce potable water consumption.

Applicability: This credit is applicable to all projects that consume water during construction. Projects that do not include any operational water consumption may apply to have this credit deemed not applicable with supporting documentation. In cases where the amount of water consumption during operations is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team conducted planning reviews to reduce water consumption during construction?		Yes
B	To what extent have water conservation strategies been implemented during construction? Select one of the following:	D	-
	No potable water consumption, except for human consumption and hygiene, by means of implementing as many strategies as necessary.		
		Yes =	-

Envision Framework
Pre-Assessment Checklist

RA3.4 Monitor Water Systems — 0 of 12 Points

Intent: Improve operational performance by including monitoring capabilities.

Metric: Extent and capability of water monitoring equipment and inclusion of response plans.

Applicability: This credit is applicable to all projects that consume water during their operation or include the conveyance of large quantities of water. Projects that do not include operational water use or water conveyance may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational water use, or conveyance, is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of water use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Does the design incorporate advanced integrated monitoring systems in order to improve performance? Select one of the following:	2	-
	None		
B	Does the project include real-time water monitoring?		-
		Yes =	-

Natural World

1. SITING

NW1.1 Preserve Sites of High Ecological Value — 22 of 22 Points

Intent: Avoid placing the project and temporary works on a site that has been identified as being of high ecological value.

Metric: Avoidance of high ecological value sites and establishment of protective buffer zones.

Applicability: Projects that do not contain areas of high ecological value, and cannot demonstrate they actively avoided areas of high ecological value, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified whether the site contains areas of high ecological value?	Yes
B	Has the project mitigated any areas of high ecological value that are disturbed? Select one of the following:	No
	None	
C	Does the project avoid developing or disturbing areas of high ecological value on site?	Yes
D	Does the project preserve an effective protective buffer zone around areas of high ecological value?	Yes
E	Was the project intentionally sited to avoid areas of high ecological value?	No
F	Does the project significantly increase the area of high ecological value?	Yes
	Yes =	4 of 6

Envision Framework
Pre-Assessment Checklist

NW1.2 Provide Wetland and Surface Water Buffers — 2 of 20 Points

Intent: Protect, buffer, enhance, and restore wetlands, shorelines, and waterbodies by providing natural buffer zones, vegetation, and soil-protection zones.

Metric: Type and quality of natural buffer zone established around all wetlands, shorelines, and waterbodies.

Applicability: Projects that do not contain wetlands or surface waters, and for which no siting options containing wetlands or surface waters were possible or seriously considered, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Has the project team identified wetlands and surface waters on or near the site?	Yes
B	Has the project team determined the type and width of buffer zones necessary to protect wetlands and surface waters?	Yes
C	To what extent has the project implemented protective buffer zones around wetlands and surface waters? Select one of the following:	Yes
	The project provides vegetated or natural buffer zones around at least 90% of wetlands and surface waters on site. The remaining areas (<10%) are protected with engineered controls. Together they are sufficient to slow surface runoff, and trap sediments, pesticides, and other pollutants. Minimum buffer width is 50 ft/15 m unless otherwise justified under criterion B.	
D	Was the project intentionally sited to avoid wetlands and surface waters?	-
E	Will the project involve returning previously developed or disturbed sites within the buffer zone to a natural state?	Yes
	Yes =	4 of 5

NW1.3 Preserve Prime Farmland — 0 of 0 Points

Intent: Identify and protect soils designated as prime farmland, unique farmland, or farmland of importance.

Metric: Percentage of farmland avoided or preserved during development.

Applicability: Projects that do not contain prime farmland, and for which no siting options containing prime farmland were possible or seriously considered, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	No

	Assessment Questions:		Criteria Met?
A	Has the project team assessed the project site for soils identified as prime farmland, unique farmland, or farmland of importance?		-
B	To what extent will the project protect or preserve prime farmland, unique farmland, or farmland or importance? Select one of the following:	2	No
	None		
C	Has the project team mitigated any damage or disturbance to prime farmland, unique farmland, or farmland of importance?		-
D	Was the project intentionally sited to avoid prime farmland?		-
E	Does the project preserve existing farmland for posterity or restore previously disturbed farmland?		-
		Yes =	-

Envision Framework
Pre-Assessment Checklist

NW1.4 Preserve Undeveloped Land	24 of 24 Points

Intent: Conserve undeveloped land by locating projects on previously developed land.

Metric: Percentage of project development that is located on previously developed land.

Applicability: Assessment of this credit is determined by the extent to which the project is located on previously developed land or previously undeveloped land. As all land falls within these two classifications, it would be difficult to demonstrate that the credit is not applicable. Inability to locate the project on developed land is not sufficient justification to remove this credit from consideration.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	To what extent is the project located on previously developed land? Select one of the following:	Yes
	100% percent of the developed area of the project is located on previously developed land.	
B	Has the project returned developed areas to a condition that supports natural open space, habitat, or natural hydrology?	Yes
	Yes =	2 of 2

2. CONSERVATION

NW2.1 Reclaim Brownfields — 0 of 22 Points

Intent: Locate projects on sites classified as brownfields.

Metric: The extent of remediation of the brownfield site.

Applicability: Project teams that were unable to identify a suitable site may apply to have this credit deemed not applicable with supporting documentation that efforts were made. If no evidence is provided that any consideration was given to locating the project on a brownfield, the credit is considered applicable and no points achieved.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Is the project located on a site currently identified as a closed brownfield?		-
B	Is the project located on a site currently identified as an active brownfield?		-
C	To what extent has the project mitigated or remediated the site? Select one of the following:	2	-
	None		
D	Has the brownfield site been closed or deregulated?		-
		Yes =	-

Envision Framework
Pre-Assessment Checklist

NW2.2 Manage Stormwater — 24 of 24 Points

Intent: Minimize the impact of development on stormwater runoff quantity, rate, and quality.

Metric: Degree to which the project infiltrates, evapotranspirates, reuses, and/or treats stormwater while not exceeding rate or quantity runoff targets.

Applicability: This credit is applicable to all projects that impact stormwater runoff. In rare cases, where the impact on stormwater runoff is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant impact on stormwater runoff in the context of the project.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	To what extent does the project infiltrate, evapotranspirate, reuse, and/or treat stormwater on site? Select one of the following:	Yes
	Infiltrate, evapotranspirate, or reuse more than 100% of 95th percentile local 24-hour event. OR If infiltration, evapotranspiration, or reuse are not permitted or impracticable detain and treat more than 150% of 95th percentile 24-hour event.	
B	To what extent does the completed project limit rate or quantity of runoff compared to existing conditions? Select one of the following:	Yes
	Do not exceed rate or quantity of runoff for the 2-, 5-, 10-, 25-, 50-, and 100-year 24-hour rainfall event relative to the existing condition (greenfield, greyfield, or brownfield).	
C	Does the project include an erosion, sedimentation, and pollution control plan for all construction activities?	Yes
D	Does the project treat stormwater from other sites or does it function as part of a larger stormwater management plan?	Yes
	Yes =	4 of 4

NW2.3 Reduce Pesticide and Fertilizer Impacts — 9 of 12 Points

Intent: Reduce non-point-source pollution by reducing the quantity, toxicity, bioavailability, and persistence of pesticides and fertilizers.

Metric: Reductions in quantity, toxicity, bioavailability, and persistence of pesticides and fertilizers used on site, selection of plant species, and use of integrated pest management techniques.

Applicability: Consideration is given as to whether the scope of the project includes exterior vegetated areas. Projects that do not include exterior vegetated areas may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Have operational policies and programs been put in place to control the application of fertilizers and pesticides?	Yes
B	Have runoff controls been put in place to minimize contamination of groundwater and surface water?	Yes
C	To what extent has the project team designed landscaping to require fewer pesticides and fertilizers? Select one of the following:	Yes
	Landscaping is designed with plant species that do not require pesticides or fertilizers.	
D	Has the project team selected pesticides and fertilizers that have lower toxicity, persistence, and bioavailability?	Yes
	Yes =	4 of 4

Envision Framework
Pre-Assessment Checklist

NW2.4 Protect Surface and Groundwater Quality — 20 of 20 Points

Intent: Preserve water resources by preventing pollutants from contaminating surface water and groundwater and monitoring impacts during construction and operations.

Metric: Designs, plans, and programs instituted to prevent and monitor surface water and groundwater contamination during construction and operations.

Applicability: This credit is applicable to all projects that contain or use hazardous and/or potentially polluting substances with the potential to contaminate water sources. In addition to chemical use, project teams should consider how chemical leaching from materials may be a source of contamination.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has project team determined the potential for surface water and/or groundwater contamination during construction and operations?	Yes
B	Does the project include spill and leak prevention and response plans, and avoid creating new pathways for contamination during construction and operations?	Yes
C	Based on the types of impacts identified in criterion A, does the project reduces the risk of quality degradation to surface water and/or groundwater? This should include water temperature.	Yes
D	Have adequate and responsive surface water and/or groundwater quality monitoring and reporting systems been incorporated into the project?	Yes
E	Has the project actively eliminated at least one source of hazardous and/or potentially polluting substances, or replaced them with nonhazardous or nonpolluting substances or materials?	Yes
F	Does the project improve surface water and/or groundwater quality?	Yes
	Yes =	6 of 6

2. ECOLOGY

NW3.1 Enhance Functional Habitats — 18 of 18 Points

Intent: Preserve and improve the functionality of terrestrial (land) habitats.

Metric: The number of habitat functions addressed in order to preserve or enhance the net area and quality of functional habitat.

Applicability: Consideration is given to whether the project contains or impacts natural habitat. Projects that do not contain or impact natural habitat may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified existing terrestrial habitats and sited the project to minimize impact?	Yes
B	Does the project mitigate all disturbances to functional terrestrial (land) habitats? Select one of the following:	Yes
	The project ensures that no existing habitats are disturbed or damaged.	
C	Does the project increase the quantity of terrestrial habitat?	Yes
D	Does the project improve the quality of any existing or proposed new terrestrial habitat?	Yes
E	Does the project facilitate movement between terrestrial habitats, provide new connections, or remove barriers, in order to improve habitat connectivity?	Yes
F	Does the project return developed land to natural habitat, or set aside existing habitat for permanent conservation and protection?	Yes
	Yes =	6 of 6

Envision Framework
Pre-Assessment Checklist

NW3.2 Enhance Wetland and Surface Water Functions — 20 of 20 Points

Intent: Maintain and restore the ecosystem functions of streams, wetlands, waterbodies, and their riparian areas.

Metric: Number of functions maintained and restored.

Applicability: Consideration is given to whether the project contains or impacts wetlands or surface waters. This includes direct, indirect, and/or cumulative impacts. Projects that do not contain or impact natural wetlands or surface waters may apply to have this credit deemed not applicable with supporting documentation

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project team identified impacts to wetland and surface water functions?	Yes
B	Does the project minimize and mitigate disturbance to wetland and surface water functions? Select one of the following:	Yes
	The project ensures that no existing wetlands or surface water functions are disturbed or damaged as a result of the project.	
C	Does the project protect or restore hydrologic connection?	Yes
D	Does the project protect or restore water quality?	Yes
E	Does the project protect or restore aquatic habitat?	Yes
F(1)	Does the project protect sediment transport and reduce sedimentation?	Yes
F(2)	In addition to protecting all existing wetland and surface water functions, can the project demonstrate it has restored at least one previously degraded wetlands and/or surface water function?	Yes
	Yes =	7 of 7

Envision Framework
Pre-Assessment Checklist

NW3.3 Maintain Floodplain Functions — 11 of 14 Points

Intent: Preserve floodplain functions by limiting development and impacts of development in the floodplain.

Metric: Efforts to avoid floodplains or maintain natural-acting floodplain functions.

Applicability: Projects that are not within the floodplain and do not impact floodplain functions, may apply to have this credit deemed not applicable with supporting documentation. Some projects that are not directly within the floodplain may still have an impact on flooding and floodplain functions through their handling of stormwater runoff. These projects may also pursue achievement in this credit if they can demonstrate a direct connection to the floodplain. There are strong links between this credit and NW2.2 Manage Stormwater, and some project components and strategies may apply to both credits.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified the 100-year or design frequency floodplain in relation to the project location?	Yes
B	To what extent does the project preserve vegetated zones within the floodplain? Select one of the following:	Yes
	The project avoids developing any existing natural/vegetated zones within the floodplain.	
C	Does the project mitigate impacts to floodplain functions?	Yes
D	Was the project intentionally sited to avoid floodplains?	No
E	Does the project remove structures from the floodplain or return previously developed areas to a vegetated state?	No
	Yes =	3 of 5

NW3.4 Control Invasive Species — 9 of 12 Points

Intent: Use appropriate noninvasive species, and control or eliminate existing invasive species.

Metric: Degree to which invasive species have been reduced or eliminated.

Applicability: This credit is applicable to all projects with sites that contain invasive species. Project teams that conduct site investigations and do not identify existing invasive species may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the project avoid introducing invasive species to the site?	Yes
B	Has the project team conducted a site assessment to determine if invasive species are present?	Yes
C	Does the project implement controls for existing infestations of invasive species before, during and post-construction?	Yes
D	Does the project guard against future infestations by supporting the establishment of native and/or noninvasive species?	Yes
E	Does the project provide long-term controls to prevent the reintroduction of invasive species?	Yes
F	Does the project include the ongoing control, suppression, or containment of major infestations of invasive species after construction?	No
	Yes =	5 of 6

Envision Framework
Pre-Assessment Checklist

NW3.5 Protect Soil Health — 8 of 8 Points

Intent: Preserve the composition, structure and function of site soils.

Metric: Degree to which the disruption of soil health has been minimized and restored.

Applicability: This credit is applicable to all projects that impact soils during construction. Projects that do not impact soil (e.g. the internal refurbishment of an existing facility) may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

Assessment Questions:		**Criteria Met?**
A	Has the project team limited the area that is disturbed by development activities?	Yes
B	Have vegetated areas disturbed by development activities been restored for appropriate soil type, structure, and function to support healthy plant and tree growth?	Yes
C	Has the project team implemented a soil protection plan or policies? Select one of the following:	Yes
	A soil protection plan, or policies, are prepared and implemented. The plan/policies specifically include any special landscape features. The plan is expanded to comply with best management practices from a local soil conservation agency, or is reviewed or prepared under the guidance of a certified soil scientist.	
D	Has the project restored appropriate soil type, structure, and function to vegetated areas disturbed by previous development?	Yes
	Yes =	4 of 4

Climate And Resilience

1. Emissions

CR1.1 Reduce Net Embodied Carbon — 0 of 20 Points

Intent: Reduce the impacts of material extraction, refinement/manufacture, and transport over the project life.

Metric: Percentage of reduction in net embodied carbon of materials.

Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team determined materials that are the primary contributors to embodied carbon for the project during construction and operation?		-
B	Has the project team calculated the primary contributors to overall embodied carbon?		-
C	To what extent does the project reduce the net embodied carbon of materials used in construction and operation? Select one of the following:	2	-
	None		

Yes = -

CR1.2 Reduce Greenhouse Gas Emissions — 0 of 26 Points

Intent: Reduce greenhouse gas emissions during the operation of the project, reducing project contribution to climate change.

Metric: Percentage of reduction in operational greenhouse gas emissions.

Applicability: This credit is applicable to all projects that consume energy, fuel, or otherwise produce greenhouse gas emissions during their operation. Projects that do not include greenhouse gas emissions during operations may apply to have this credit deemed not applicable with supporting documentation. However, projects that do not produce greenhouse gas emissions because of intentional planning decisions may apply for the Conserving level with supporting documentation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	To what extent does the project reduce greenhouse gas emissions during its operational life? Select one of the following:	C	-
	The project team demonstrates at least a 50% reduction in total CO2e over the operational life of the project compared to the baseline.		
B	Has the project team calculated and reported the annual greenhouse gas emissions of the project?		Yes

Yes = -

Envision Framework
Pre-Assessment Checklist

CR1.3 Reduce Air Pollutant Emissions — 0 of 18 Points

Intent: Reduce emissions of air pollutants: particulate matter (including dust), ground-level ozone, carbon monoxide, sulfur oxides, nitrogen oxides, lead, and volatile organic compounds.

Metric: Reduction of air pollutants compared to baseline.

Applicability: This credit is applicable to all projects that directly produce any of the criteria pollutants. Projects that do not include air pollutant emissions may apply to have this credit deemed not applicable with supporting documentation. However, projects that do not produce air pollutant emissions because of intentional planning decisions to choose non-polluting alternatives may apply for the Conserving level with supporting documentation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Does the project meet all relevant minimum air quality standards and regulations?		-
B	To what extent does the project reduce air pollutant emissions during operations? Select one of the following:	2	-
	None		
C	Does the project include the ongoing monitoring and management of direct air pollutant emissions?		-
D	Has the project team assessed the materiality of volatile organic compounds to the health of construction workers and the project operators?		-
E	Does the project remove existing air pollutant sources?		-
		Yes =	-

2. RESILIENCE

CR2.1 Avoid Unsuitable Development — 6 of 16 Points

Intent: Minimize or avoid development on sites prone to hazards.

Metric: The degree to which the project is designed and/or sited to avoid or mitigate site-related risks.

Applicability: Projects that are not located within regions at risk of site hazards, and therefore cannot demonstrate they actively avoided site hazards, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Has the project team identified potential siting hazards, the vulnerability of the project to the hazard, and the potential for the project to exacerbate the hazard?	Yes
B	Can the project team demonstrate that siting and project alternatives were seriously considered in order to minimize exposure to risk?	Yes
C	Has the project team implemented strategies to mitigate the impact of site hazards?	Yes
D	Can the project team demonstrate that the chosen project and site resulted in the lowest exposure to site hazards while still meeting project requirements?	-
E	Was the site chosen to intentionally avoid known site hazards?	-
F	Does the project remove or modify structures subject to frequent damage?	-
	Yes =	3 of 6

CR2.2 Assess Climate Change Vulnerability — 0 of 20 Points

Intent: Develop a comprehensive climate change vulnerability assessment.

Metric: Scope and comprehensiveness of climate change vulnerability assessment.

Applicability: This credit is applicable to all projects potentially impacted by climate change, which is the vast majority of infrastructure.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team determined climate change threats to the project and its surroundings?	Yes
B	Has the project team determined the vulnerability of the project to climate change threats?	Yes
C	Has the project team determined the vulnerability of the infrastructure system to climate change threats?	Yes
D	Has the project team determined the vulnerability of the community to climate change threats?	Yes
E	Has the project team or owner shared their climate threat findings?	Yes
	Yes =	-

Envision Framework
Pre-Assessment Checklist

CR2.3 Evaluate Risk and Resilience — 0 of 26 Points

Intent: Conduct a comprehensive, multihazard risk and resilience evaluation.

Metric: Scope and comprehensiveness of the multihazard risk and resilience evaluation.

Applicability: It is likely that all projects would benefit from a thorough investigation of potential risks. It would, therefore, be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award. Risks are not always major catastrophic events; small and large projects alike may consider how crime/vandalism or personal injury are also potential risks with associated impacts.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	To what extent does the project team's risk assessment include the project, infrastructure system, and community? Select one of the following:	C	-
	The project team draws the assessment boundary for subsequent criteria (B, C, D, and E) around the interdependencies of the project, its associated/connected infrastructure system/network, and the broader community.		
B	Has the project team identified the critical functions and dependencies of the infrastructure asset and its primary components?		Yes
C	Has the project team identified the threats or hazards to the project and its surroundings?		Yes
D	Has the project team identified the vulnerabilities of the critical functions and dependencies of the infrastructure asset?		Yes
E	Has the project team evaluated risks by determining the probability of a threat or hazard occurring and the associated impacts?		Yes
F	Did the risk evaluation conducted by the project include the participation of the owner and a diverse and integrated team of key stakeholders?		Yes
		Yes =	-

CR2.4 Establish Resilience Goals and Strategies — 0 of 20 Points

Intent: To support increased project and community resilience through the establishment of clear objectives and goals.

Metric: The degree to which resilience goals expand from initial commitments to quantifiable project objectives, long-term operating plans, and community-wide development plans.

Applicability: All projects that are exposed to risks would benefit from establishing resilience goals and strategies. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team identified the project performance goals and risk appetite of the owner?	-
B	Has the project team developed risk management strategies based on a comprehensive risk evaluation?	-
C	Have key stakeholders been engaged in developing resilience goals?	-
D	Is the project part of, or does it support, larger community resilience or climate change adaptation goals?	-
	Yes =	-

Envision Framework
Pre-Assessment Checklist

CR2.5 Maximize Resilience — 0 of 26 Points

Intent: Increase resilience, life-cycle system performance, and the ability to withstand hazards by maximizing durability.

Metric: The degree to which the project incorporates elements that increase durability, the ability to withstand hazards, and extend useful life.

Applicability: All projects that are exposed to risks would benefit from increased resilience. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team developed resilience goals and strategies based on a comprehensive risk evaluation?	-
B	Has the project team implemented resilience strategies sufficient to address major project risks and improve project resilience?	-
C	Has the project team periodically monitored the implementation of project resilience strategies and reviewed their continued effectiveness throughout project delivery?	-
D	Will resilience goals and strategies be incorporated into the ongoing operations and maintenance of the project?	-
E	Does the project include methods for measuring or quantifying resilience performance targets?	-
	Yes =	-

CR2.6 Improve Infrastructure Integration — 0 of 18 Points

Intent: Enhance the operational relationships and strengthen the functional integration of the project into connected, efficient, and diverse infrastructure systems.

Metric: The degree to which the project is integrated into other connected systems, where beneficial and appropriate, in order to increase resilience and systems performance.

Applicability: It is likely that all infrastructure would, and should, benefit from the application of an integrated systems approach. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Does the project increase internal systems integration?	Yes
B	Will the infrastructure integration reduce the risk of systemic or cascading failures?	-
C	Does the project increase external systems integration?	-
D	Does the project integrate infrastructure networks?	-
E	Does the project integrate data or monitoring systems in order to improve performance?	-
	Yes =	-

Appendix B

Additional Effort Scenario Checklist

May 1, 2020

Summary Results

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Quality of Life	Wellbeing	QL1.1 Improve Community Quality of Life	Assessed	7	0	0	0	0	0	26	26	26	26
		QL1.2 Enhance Public Health & Safety	Assessed	4	2	0	0	12	0	0	12	20	20
		QL1.3 Improve Construction Safety	Assessed	5	0	0	0	0	14	--	14	14	14
		QL1.4 Minimize Noise & Vibration	Assessed	4	1	0	0	6	0	0	6	12	12
		QL1.5 Minimize Light Pollution	Assessed	2	4	0	0	0	10	0	10	12	12
		QL1.6 Minimize Construction Impacts	Assessed	6	0	0	0	0	8	--	8	8	8
	Mobility	QL2.1 Improve Community Mobility Access	Assessed	4	2	0	0	7	0	0	7	14	14
		QL2.2 Encourage Sustainable Transportation	Assessed	4	0	--	0	0	0	16	16	16	16
		QL2.3 Improve Access & Wayfinding	Assessed	4	0	0	0	0	14	--	14	14	14
	Community	QL3.1 Advance Equity & Social Justice	Assessed	3	4	3	0	0	0	0	3	18	18
		QL3.2 Preserve Historic & Cultural Resources	Assessed	6	0	--	0	0	0	18	18	18	18
		QL3.3 Enhance Views & Local Character	Assessed	6	0	0	0	0	0	14	14	14	14
		QL3.4 Enhance Public Space & Amenities	Assessed	4	0	0	0	0	11	0	11	14	14

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Leadership	Collaboration	LD1.1 Provide Effective Leadership & Commitment	Assessed	4	0	0	0	0	18	--	18	18	18
		LD1.2 Foster Collaboration & Teamwork	Assessed	4	0	0	0	0	18	--	18	18	18
		LD1.3 Provide for Stakeholder Involvement	Assessed	6	0	0	0	0	0	18	18	18	18
		LD1.4 Pursue Byproduct Synergies	Not Assessed	0	0	0	0	0	0	0	0	18	18
	Planning	LD2.1 Establish a Sustainability Management Plan	Assessed	5	0	0	0	0	18	--	18	18	18
		LD2.2 Plan for Sustainable Communities	Assessed	4	1	0	0	0	12	0	12	16	16
		LD2.3 Plan for Long-Term Monitoring & Maintenance	Assessed	5	0	0	0	0	12	--	12	12	12
		LD2.4 Plan for End-of-Life	Not Assessed	0	0	0	0	0	0	--	0	14	14
	Economy	LD3.1 Stimulate Economic Prosperity & Development	Assessed	2	3	3	0	0	0	--	3	20	20
		LD3.2 Develop Local Skills & Capabilities	Not Assessed	0	0	0	0	0	0	0	0	16	16
		LD3.3 Conduct a Life-Cycle Economic Evaluation	Not Assessed	0	0	0	0	0	0	0	0	14	14

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Resource Allocation	Materials	RA1.1 Support Sustainable Procurement Practices	Assessed	2	0	0	0	9	0	--	9	12	12
		RA1.2 Use Recycled Materials	Assessed	1	0	0	0	9	0	--	9	16	16
		RA1.3 Reduce Operational Waste	Assessed	2	0	0	0	0	14	--	14	14	14
		RA1.4 Reduce Construction Waste	Assessed	2	0	0	0	0	16	--	16	16	16
		RA1.5 Balance Earthwork On Site	Assessed	1	0	0	0	0	8	--	8	8	8
	Energy	RA2.1 Reduce Operational Energy Consumption	Not Assessed	0	0	0	0	0	0	--	0	26	26
		RA2.2 Reduce Construction Energy Consumption	Assessed	2	0	0	0	0	12	--	12	12	12
		RA2.3 Use Renewable Energy	Assessed	1	0	0	0	0	20	0	20	24	24
		RA2.4 Commission & Monitor Energy Systems	Not Assessed	0	0	0	0	0	0	--	0	14	14
	Water	RA3.1 Preserve Water Resources	Assessed	6	0	0	0	0	0	12	12	12	12
		RA3.2 Reduce Operational Water Consumption	Not Assessed	0	0	0	0	0	0	0	0	22	22
		RA3.3 Reduce Construction Water Consumption	Assessed	2	0	0	0	0	8	--	8	8	8
		RA3.4 Monitor Water Systems	Not Assessed	0	0	0	0	0	0	--	0	12	12

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Natural World	Siting	NW1.1 Preserve Sites of High Ecological Value	Assessed	4	2	0	0	0	0	22	22	22	22
		NW1.2 Provide Wetland & Surface Water Buffers	Assessed	4	1	2	0	0	0	0	2	20	20
		NW1.3 Preserve Prime Farmland	Not Applicable	0	0	--	0	0	0	0	0	0	16
		NW1.4 Preserve Undeveloped Land	Assessed	2	0	0	0	0	0	24	24	24	24
	Conservation	NW2.1 Reclaim Brownfields	Not Assessed	0	0	0	0	0	0	0	0	22	22
		NW2.2 Manage Stormwater	Assessed	4	0	0	0	0	0	24	24	24	24
		NW2.3 Reduce Pesticide & Fertilizer Impacts	Assessed	4	0	0	0	0	9	0	9	12	12
		NW2.4 Protect Surface & Groundwater Quality	Assessed	6	0	0	0	0	0	20	20	20	20
	Ecology	NW3.1 Enhance Functional Habitats	Assessed	6	0	0	0	0	0	18	18	18	18
		NW3.2 Enhance Wetland & Surface Water Functions	Assessed	7	0	0	0	0	0	20	20	20	20
		NW3.3 Maintain Floodplain Functions	Assessed	4	1	0	0	0	0	14	14	14	14
		NW3.4 Control Invasive Species	Assessed	6	0	0	0	0	0	12	12	12	12
		NW3.5 Protect Soil Health	Assessed	4	0	--	0	0	0	8	8	8	8

			Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
				Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Climate and Resilience	Emissions	CR1.1 Reduce Net Embodied Carbon	Not Assessed	0	0	--	0	0	0	--	0	20	20
		CR1.2 Reduce Greenhouse Gas Emissions	Not Assessed	0	0	0	0	0	0	0	0	26	26
		CR1.3 Reduce Air Pollutant Emissions	Not Assessed	0	0	0	0	0	0	0	0	18	18
	Resilience	CR2.1 Avoid Unsuitable Development	Assessed	3	3	0	6	0	0	0	6	16	16
		CR2.2 Assess Climate Change Vulnerability	Not Assessed	0	0	0	0	0	0	--	0	20	20
		CR2.3 Evaluate Risk and Resilience	Not Assessed	0	0	0	0	0	0	--	0	26	26
		CR2.4 Establish Resilience Goals and Strategies	Not Assessed	0	0	--	0	0	0	--	0	20	20
		CR2.5 Maximize Resilience	Not Assessed	0	0	0	0	0	0	--	0	26	26
		CR2.6 Improve Infrastructure Integration	Assessed	1	4	2	0	0	0	0	2	18	18

	Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
		Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Total Points	**16 Not Assessed**	**163**	**28**	**10**	**6**	**43**	**222**	**266**	**547**	**984**	**1000**

Possible Award Level:	**Platinum**

Quality of Life

1. WELLBEING

QL 1.1 Improve Community Quality of Life — 26 of 26 Points

Intent: Improve the net quality of life of all communities affected by the project and mitigate negative impacts to communities.

Metric: Measures taken to assess community needs and improve quality of life while minimizing negative impacts.

Applicability: It is likely that all projects have the ability to align project objectives with community needs and goals, identified through active engagement, in order to achieve broad community satisfaction. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified and taken into account community needs, goals, and issues?	Yes
B	Does the project meet or support the needs and goals of the host and/or affected communities?	Yes
C	Has the project team assessed the social impacts the project will have on the host and affected communities' quality of life?	Yes
D	Have the affected communities been meaningfully engaged in identifying how the project meets community needs and/or goals?	Yes
E	Has the project team addressed negative social impacts?	Yes
F	Are the affected communities satisfied that the project addresses their needs and goals as well as mitigates negative impacts?	Yes
G	Does the project proactively address long-term social, economic, or environmental changes that impact quality of life?	Yes
	Yes =	7 of 7

QL 1.2 Enhance Public Health and Safety — 12 of 20 Points

Intent: Protect and enhance community health and safety during operation.

Metric: Measures taken to increase safety and provide health benefits on the project site, surrounding sites, and the broader community in a just and equitable manner.

Applicability: It is likely that all projects, large and small, have the ability to positively impact health and/or safety in some way. Safety actions can be relative to the scale of the project, from repainting a crosswalk to preventing major chemical spills. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the project meet all health and safety regulations and laws for operations?	Yes
B	Has the project exceeded minimum legal health and safety requirements as established by regulations and laws?	Yes
C	Does the project include health and safety improvements for the immediate surroundings?	Yes
D	Does the project include health and safety improvements for the broader host or affected communities?	Yes
E	Can the project team demonstrate that health and safety risks and impacts are not disproportionately borne by one community over another?	No
F	Will the project provide critical infrastructure services to communities experiencing, or at risk of experiencing, imminent negative health and/or personal safety impacts?	No
	Yes =	4 of 6

QL 1.3 Improve Construction Safety — 14 of 14 Points

Intent: Enhance public and worker safety during construction.

Metric: Commitments and measures to monitor safety, provide feedback mechanisms, train personnel, establish security plans, and make health programs available.

Applicability: All projects that include construction have the ability to positively impact construction safety. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Have the project owner and contractor (GC/CM) made strong commitments to monitoring and improving health and safety?	Yes
B	Does the project include reliable feedback mechanisms to identify risks, conduct hazard analyses, and communicate hazards to personnel?	Yes
C	Does the project include safety or security training requirements for personnel?	Yes
D	Does the project include a comprehensive security plan to protect workers, the public, and sensitive information?	Yes
E	Does the project include health and/or well-being programs?	Yes
	Yes =	5 of 5

QL 1.4 Minimize Noise and Vibration — 6 of 12 Points

Intent: Minimize noise and vibrations during operations to maintain and improve community livability.

Metric: The extent that operational noise and vibration is assessed and mitigated, and target levels achieved.

Applicability: Consideration is given to whether the project will have any operational noise. Noises generated by activities induced by the project, such as cars on roads, pedestrians in parks, and trucks accessing facilities, are applicable to this credit. Projects that do not include any operational noise may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

Assessment Questions:		**Criteria Met?**
A	Has the project team assessed the potential for operational noise impacts on the surrounding community and/or environment?	Yes
B	Has the project mitigated noise generated as a result of the project?	Yes
C	Does the project set or adopt target noise levels?	Yes
D	Has the project team engaged impacted stakeholders on issues of noise and vibration impacts, mitigation strategies, and target levels?	Yes
E	To what extent will the project maintain or reduce existing noise levels? Select one of the following:	No
	None	
	Yes =	4 of 5

QL 1.5 Minimize Light Pollution — 10 of 12 Points

Intent: Reduce backlight, uplight, and glare without jeopardizing safety during operations.

Metric: Lighting meets backlight, uplight, and glare requirements for lighting zones.

Applicability: This credit is not applicable if projects do not include any exterior lighting. Certain types of projects may be required to use lighting that is incompatible with the credit requirements. This is not considered an acceptable reason for designating the credit as not applicable. Projects that are unable to demonstrate achievement in this credit are encouraged to pursue higher performance in other credits.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team conducted an assessment of lighting needs and impacts for the project?	Yes
B	Has the project implemented strategies to reduce light pollution?	-
C	Has the project developed a lighting plan establishing lighting zones?	-
D	Will luminaires prevent light emission above 90 degrees?	-
E	Do all project lights meet backlight, uplight, and glare (BUG) requirements for their respective lighting zones?	Yes
F	Does the project involve the removal or retrofitting of existing lighting so as to significantly reduce overall existing lighting?	No
	Yes =	2 of 6

QL 1.6 Minimize Construction Impacts — 8 of 8 Points

Intent: Minimize or eliminate the temporary inconveniences associated with construction.

Metric: Extent of issues addressed through construction management plans.

Applicability: Consideration is given to whether the project includes construction activities with the potential to impact the quality of life of individuals. Projects that do not include construction impacts (e.g. an internal refurbishment of a private facility or extremely remote site) may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project implemented a construction management plan or policies to address construction impacts?	Yes
B	Does the construction management plan mitigate noise and/or vibrations?	Yes
C	Does the construction management plan address safety and wayfinding for pedestrians and vehicles during construction?	Yes
D	Does the construction management plan maintain access to public space and amenities during construction?	Yes
E	Does the construction management plan address distracting or intrusive lighting during construction?	Yes
F	Does the construction management plan or policies include robust feedback mechanisms and performance monitoring and reporting for construction impacts?	Yes
	Yes =	6 of 6

2. MOBILITY

QL 2.1 Improve Community Mobility and Access — 7 of 14 Points

Intent: Plan the project as part of a connected network that supports all transportation modes for the efficient movement of people, goods, and services.

Metric: The extent to which the project broadens mode choices, reduces commute times, reduces vehicle distance traveled,

Applicability: Consideration is given to whether the project has any potential to impact mobility. Non-transportation projects that do not include any mobility impacts (positive or negative), and can demonstrate no potential for positively impacting mobility, may apply to have this credit deemed not applicable with supporting documentation. This credit is inherently applicable to all transportation infrastructure projects.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Is the project consistent with local transportation plans?	Yes
B	Has the project team obtained input from the community and key stakeholders regarding issues of mobility and access?	Yes
C	Does the project include strategies to increase capacity, manage congestion, reduce vehicle distance traveled, or lower accident rates?	Yes
D	Has the project team worked with the community to expand mobility and access options and/or incorporate complete streets policies?	Yes
E	Has the project team considered the long-term mobility and access needs of the community?	No
F	Does the project create new or restore previous connections between communities?	No
	Yes =	4 of 6

QL 2.2 Encourage Sustainable Transportation — 16 of 16 Points

Intent: Expand accessibility to sustainable transportation choices including active, shared, and/or mass transportation.

Metric: The extent to which active, shared, or mass transportation options are accessible, encouraged, and supported as part of a larger integrated transportation network.

Applicability: Consideration is given to whether the project includes transportation infrastructure, or includes the frequent dependence on transportation for access to the project. This credit is applicable to all transportation infrastructure. Projects that do not include transportation infrastructure and are not accessible, unmanned, or have very small maintenance crews, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the project provide convenient access to active, shared, or mass transportation options?	Yes
B	Is the project configured and designed in such a way to encourage active, shared, and/or mass transportation options?	Yes
C	Does the project include programs and facilities that support the use of active transportation and transit?	Yes
D	Does the project contribute to a larger integrated active, shared, or mass transportation strategy for the community or region?	Yes
	Yes =	4 of 4

QL 2.3 Improve Access and Wayfinding — 14 of 14 Points

Intent: Design the project to provide safe and appropriate access in and/or around the project in a way that integrates the project with the surrounding community.

Metric: Incorporating and providing clear access, safety, and wayfinding measures to accommodate emergency services and regular vehicular or pedestrian traffic.

Applicability: Consideration is given to the potential for impacting community access on or around the project site. Infrastructure that is inherently inaccessible (e.g., underground) or extremely remote (e.g., inaccessible by public roads) may apply to have this credit deemed not applicable with supporting documentation. Default restrictions on public access are not considered acceptable justification for marking the credit not applicable. This credit is automatically applicable to any project in proximity to populated areas or other development, adjacent to sensitive sites, or involving regular incoming or outgoing traffic.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project addressed access, safety, and wayfinding for incident management including evacuation and emergency personnel?	Yes
B	Does the project utilize access, safety, and signage to protect or minimize impacts on the surroundings?	Yes
C	Does the project provide safe public access points for the benefit of the community?	Yes
D	Does the project have a positive and transformative impact on community neighborhood access, safety, and/or wayfinding?	Yes
	Yes =	4 of 4

3. COMMUNITY

QL 3.1 Advance Equity and Social Justice — 3 of 18 Points

Intent: Ensure that equity and social justice are fundamental considerations within project processes and decision making.

Metric: Degree to which equity and social justice are included in stakeholder engagement, project team commitments, and decision making.

Applicability: This credit can be designated as not applicable for projects that do not impact the surrounding community. For example, the installation or refurbishment of systems internal to a facility that do not impact the quality or level of service provided by the infrastructure.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the stakeholder engagement process take into account the historic context of equity and social justice within affected communities?	Yes
B	Has the project team assessed the social impacts the project will have on the host and affected communities?	Yes
C	Have key members of the project team made commitments to equity and social justice within their organizations?	Yes
D	Has the project addressed social impacts related to equity and social justice?	-
E	Will the impacts and benefits of the project be distributed equitably throughout affected communities?	-
F	Has the project team empowered communities to engage in the development process?	-
G	Does the project positively address or correct an existing or historic injustice or imbalance?	-
	Yes =	3 of 7

QL 3.2 Preserve Historic and Cultural Resources — 18 of 18 Points

Intent: Preserve or restore significant historical and cultural sites and related resources.

Metric: Steps taken to identify, preserve, or restore cultural resources.

Applicability: Project teams that are unable to identify any historic or cultural resources relevant to the project may apply to have this credit deemed not applicable with supporting documentation. Supporting documentation should demonstrate how stakeholder engagement activities, cultural resource studies, or equivalent, were implemented in an effort to identify possible historic or cultural resources. This credit is applicable to all infrastructure projects that impact a historic or cultural resource identified in state/provincial, national, or international registries, or identified through stakeholder engagement. This credit is also applicable, and no points achieved, for projects that cannot demonstrate a serious effort was made to identify potential historic or cultural resources.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team worked with the community and required regulatory and resource agencies to identify historic and cultural resources?	Yes
B	Has the project team developed strategies to document, protect, or enhance historic and cultural resources to the project?	Yes
C	Does the identification of historic/cultural resources extend beyond registries to identify important parts of the community culture?	Yes
D	Has the project team worked with stakeholders to develop a sensitive design and approach?	Yes
E	Does the project avoid all historic/cultural resources or fully preserve/protect their character-defining features?	Yes
F	Does the project enhance or restore threatened or degraded historic/cultural resources in the community, or add a resource to a protected registry?	Yes
	Yes =	6 of 6

QL 3.3 Enhance Views and Local Character — 14 of 14 Points

Intent: Preserve or enhance the physical, natural, and/or community character of the project site and its surroundings.

Metric: Steps taken to assess valued community resources, implement preservation measures, and determine overall satisfaction.

Applicability: Projects that have no public visibility or impact on views, such as underground utilities or the refurbishment of equipment within an existing facility, may submit to have this credit deemed not applicable with supporting documentation. Reviewers are unlikely to accept arguments that a publicly visible project has no impact on views or local character.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team made a reasonable determination of community values and concerns regarding protection and enhancement of views and local character?	Yes
B	Has the project team implemented specific strategies to preserve or enhance views and local character?	Yes
C	Has the project team developed or adopted existing guidelines to preserve views and local character?	Yes
D	Does the project include a construction management plan to protect important natural or man-made features?	Yes
E	Does the community support actions taken to preserve or enhance views and local character?	Yes
F	Will the project result in the restoration or enhancement of views or local character?	Yes
	Yes =	6 of 6

QL 3.4 Enhance Public Space and Amenities — 11 of 14 Points

Intent: Improve amenities and publicly accessible spaces to enhance community livability.

Metric: Plans and commitments to preserve, conserve, enhance, and/or restore the defining elements of the amenity.

Applicability: This credit is applicable to projects that are publicly accessible or that impact, adjoin, or otherwise connect to existing public spaces or amenities. This represents the large majority of infrastructure projects. Designating this credit as not applicable can be difficult. Projects that by their nature preclude the possibility of addressing public space or amenities may submit to have this credit deemed not applicable with supporting documentation (e.g., mechanical system refurbishments, offshore wind farms, etc.). Not addressing the potential for public space or amenities is not sufficient alone to designate this credit not applicable. Infrastructure projects, especially those traditionally viewed as inaccessible, are encouraged to consider how they can benefit their surrounding community through the enhancement or provision of public space and amenities.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team assessed and mitigated impacts to existing public space and/or amenities?	Yes
B	Does the stakeholder engagement process specifically address issues of public space and amenities?	Yes
C	Are public stakeholders satisfied with the project plans involving public space and amenities?	Yes
D	To what extent does the project involve significantly enhancing, creating, or restoring public space and/or amenities? Select one of the following:	Yes
	The project creates a new public resource or amenity to the community that did not previously exist. The scope of the new public space/amenity is commensurate with the scope and scale of the project.	

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Yes = 4 of 4

Leadership

1. COLLABORATION

LD 1.1 Provide Effective Leadership and Commitment — 18 of 18 Points

Intent: Provide effective leadership and commitment to achieve project sustainability goals.

Metric: The degree to which the project owner and project team have made general, and project-specific, sustainability commitments and instituted sustainability management policies.

Applicability: It is likely that all projects can benefit from effective leadership and strong commitments to sustainability. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Have the project owner and project team made written commitments to address the social, environmental, and economic aspects of the project?	Yes
B	Is the project supported by a sustainability management policy commensurate with the scope, scale, and complexity of the project?	Yes
C	Has the project team periodically revisited project sustainability commitments throughout project delivery?	Yes
D	Have key members of the project team made organizational commitments to sustainability?	Yes
	Yes =	4 of 4

LD 1.2 Foster Collaboration and Teamwork — 18 of 18 Points

Intent: Enhance project sustainability through interdisciplinary collaboration and teamwork.

Metric: The breadth and inclusivity of interdisciplinary and collaborative meetings and the resulting sustainability performance enhancements.

Applicability: It is likely that all projects can benefit from better collaboration and teamwork in pursuit of more sustainable projects. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Was an interdisciplinary collaborative kickoff meeting held early in the project to define sustainability goals?	Yes
B	Has project sustainability performance been enhanced as a result of the interdisciplinary collaboration?	Yes
C	Did the project team establish regular interdisciplinary and collaborative meetings to set and achieve sustainability goals?	Yes
D	Does the process include construction, operations, or maintenance stakeholders, for better incorporation of considerations in later project phases?	Yes
	Yes =	4 of 4

Envision Framework
Pre-Assessment Checklist

LD 1.3 Provide for Stakeholder Involvement		18 of 18 Points

Intent: Early and sustained stakeholder engagement and involvement in project decision making.

Metric: Establishment of sound and meaningful programs for stakeholder identification, early and sustained engagement, and involvement in project decision making.

Applicability: It is likely that all projects can benefit from stakeholder engagement. Although the types and scope of stakeholders may vary depending on the project, it would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team undertaken a stakeholder mapping exercise to determine stakeholders? Were primary and secondary stakeholders identified through a stakeholder mapping process, and stakeholder concerns and specific objectives for stakeholder engagement defined?	Yes
B	Has the project team analyzed, planned, and executed the engagement for key project stakeholders? Is there a proactive stakeholder engagement process established with clear objectives where: engagement moves beyond education into active dialogue; stakeholder views are monitored, and a two-way line of communication is established to reply to inquiries; and sufficient opportunities are provided for stakeholders to be involved in decision making?	Yes
C	Was a lead member of the project team directly involved with stakeholder groups to understand their needs?	Yes
D	Has stakeholder engagement feedback been incorporated into project plans, design, and/or decision making? Are specific cases in which public input influenced or validated project outcomes, and potentially conflicting stakeholder views were evaluated and addressed equitably during decision making?	Yes
E	Has the project team sought feedback from stakeholders as to their satisfaction with the engagement process and the resulting decisions that were made based on their input?	Yes
F	Has the project engaged one or more stakeholders as partners?	Yes
	Yes =	6 of 6

Envision Framework
Pre-Assessment Checklist

LD 1.4 Pursue Byproduct Synergies — 0 of 18 Points

Intent: Critically reconsider whether traditional waste streams can be beneficially reused.

Metric: The extent to which the project team works with external groups to find beneficial use of waste, excess resources, or capacity.

Applicability: It is likely that all projects that use materials or product waste can benefit from byproduct synergies. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team assessed the availability of either internal or external excess resources or capacity?		-
B	Has the project team identified opportunities for byproduct synergies or reuse?		-
C	Has the project team actively pursued a byproduct synergy or reuse?		-
D	Does the project include a byproduct synergy by utilizing unwanted excess resources or finding destinations for the beneficial reuse of unwanted excess resources? Select one of the following:		-
	None	2	
E	Is the project part of a circular economy, whereby the majority of operational byproducts are beneficially repurposed or the majority of operational resources consumed are beneficially repurposed?		-
		Yes =	-

2. PLANNING

LD 2.1 Establish a Sustainability Management Plan — 18 of 18 Points

Intent: Create a project sustainability management plan that can manage the scope, scale, and complexity of a project seeking to improve sustainable performance.

Metric: Extent of organizational policies, authorities, mechanisms, education, and business processes put in place.

Applicability: It is likely that all projects can benefit from a sustainability management plan. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Are roles and responsibilities for addressing sustainability assigned to key members of the project team?	Yes
B	Has a sustainability management plan been developed to assess and prioritize the environmental, economic, and social aspects of the project and set project sustainability goals, objectives, and targets?	Yes
C	Does the project include a sustainability management plan that contains sufficient processes and management controls to address the sustainability goals, objectives, and targets?	Yes
D	Was the sustainability management plan implemented and periodically revisited?	Yes
E	Is the project sustainability management plan adaptable, flexible, and resilient enough to manage changes in the environmental, social, or economic conditions of the project over its life?	Yes
	Yes =	5 of 5

Envision Framework
Pre-Assessment Checklist

LD2.2 Plan for Sustainable Communities — 12 of 16 Points

Intent: Incorporate sustainability principles into project selection/identification in order to develop the most sustainable project for the community.

Metric: The degree to which project selection/identification includes sustainability performance assessments and is part of a larger sustainable development plan.

Applicability: Consideration is given to the scope and scale of the project and whether it has the potential to more broadly impact community sustainability. For example, small projects that involve the retrofitting or refurbishment of components or systems within an existing facility may contribute to improved sustainability performance but may struggle to demonstrate an impact beyond the project site. Small projects that do not impact the broader community sustainability, and do not have the potential to impact community sustainability, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Was sustainability considered during project selection/identification?	Yes
B	Were alternative analyses conducted on sustainability performance during project identification?	Yes
C	Was an assessment conducted of the project's impacts to broader long-term community or regional sustainability?	Yes
D	Is the project part of a comprehensive sustainable development plan?	Yes
E	Does the project address an inherently unsustainable condition within the community or region?	-
	Yes =	4 of 5

LD2.3 Plan for Long-Term Monitoring and Maintenance — 12 of 12 Points

Intent: Put in place plans, processes, and personnel sufficient to ensure that long-term sustainable protection, mitigation, and enhancement measures are incorporated into the project.

Metric: Comprehensiveness of long-term monitoring and maintenance plans, implementation goals, and commitment of resources to fund the activities.

Applicability: This credit is applicable to all projects that include ongoing monitoring and maintenance. In rare cases where projects do not include operation or maintenance activities, projects may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team considered how to reduce ongoing operational impacts?	Yes
B	Is there a clear and comprehensive plan in place for long-term monitoring and maintenance of the completed project?	Yes
C	Has the monitoring and maintenance plan been communicated with operations and maintenance staff?	Yes
D	Have sufficient resources been allocated for long-term monitoring and maintenance of the completed project and appropriate training been conducted?	Yes
E	Is there a plan in place to re-evaluate and modify the maintenance plan based on monitored data?	Yes
	Yes =	5 of 5

LD2.4 Plan for End-of-Life — 0 of 14 Points

Intent: Ensure that the project team is informed by an understanding of the full impacts and costs of the project's end-of-life.

Metric: The degree to which the project team analyzes, and communicates with stakeholders, the end-of-life impacts, cost, and value.

Applicability: It is likely that all projects can benefit from end-of-life planning. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team developed an end-of-life plan?	-
B	Has the project team evaluated opportunities to extend the project's useful life or beneficially repurpose the project after end-of-life?	-
C	Has the project team assessed potential social, environmental, and economic end-of-life impacts?	-
D	Has the project team evaluated the costs and salvage value of the project's deconstruction, decommissioning, or replacement?	-
E	Has the project team proactively engaged stakeholders in end-of-life planning?	-
	Yes =	-

3. ECONOMY

LD3.1 Stimulate Economic Prosperity and Development — 3 of 20 Points

Intent: Support economic prosperity and sustainable development, including job growth, capacity building, productivity, business attractiveness, and livability.

Metric: The extent of job creation, increased operating capacity, access, quality, and/or improved socioeconomic conditions.

Applicability: The scope of this credit is broad, covering commercial, industrial, cultural, and recreational aspects of community development. In determining whether this credit is applicable to a project assessment, it is likely that all projects have the ability to support and stimulate economic prosperity and sustainable development. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

	Yes/No
Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Does the project create a significant number of new jobs during its design, construction, and operation?	Yes
B	Does the project provide new operating capacity for business, industry, or the public?	Yes
C	Does the project provide additional access, increase the number of choices, and/or increase the quality of infrastructure services for business, industry, or the public?	-
D	Does the project improve community attractiveness for business, industry, or the public by generally improving the socioeconomic conditions of the community?	-
E	Will the project stimulate economic prosperity and further economic development?	-
	Yes =	2 of 5

Envision Framework
Pre-Assessment Checklist

LD3.2 Develop Local Skills and Capabilities — 0 of 16 Points

Intent: Expand the knowledge, skills, and capacity of the community workforce to improve their ability to grow and develop.

Metric: The inclusion of current and future training programs, informed by skill or capability gaps, and targeted to economically depressed or underemployed communities.

Applicability: For this credit, an alternative compliance path is provided in the Evaluation Criteria and Documentation Guidance for projects that are too small to include independent training and skill development. It is therefore unlikely that a project could demonstrate no opportunity for education at any point during its planning, design, or construction. When organizational-level training programs are referenced, project teams must demonstrate a relevance to the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Will the project include training programs for local skill development?		-
B	Has the project team identified skill or capability gaps in the local workforce and targeted training programs to address them? Select one of the following:	2	-
	None		
C	Will training, education, or skill development programs continue after project delivery?		-
D	Will training and skill development programs specifically target economically depressed, underemployed, or disadvantaged communities?		-
		Yes =	-

LD3.3 Conduct a Life-Cycle Economic Evaluation — 0 of 14 Points

Intent: Utilize economic analyses to identify the full economic implications and the broader social and environmental benefits of the project.

Metric: The comprehensiveness of the economic analyses used to determine the net impacts of the project, and their use in assessing alternatives to inform decision making.

Applicability: It would be difficult to demonstrate that this credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has a life-cycle cost analysis been conducted to identify the financial impacts of the whole project?		-
B	Have life-cycle cost analyses been used to compare alternatives for at least one major project component?		-
C	Has the project team mapped the social, environmental, and financial costs and benefits of the project?		-
D	Has a cost benefit analysis been conducted to identify the financial, social, and environmental impacts of the whole project?		-
E	Have cost benefit analyses, including financial, environmental, and social benefits, been used to compare the alternatives for at least one major project component?		-
		Yes =	-

Resource Allocation

1. MATERIALS

RA1.1 Support Sustainable Procurement Practices — 9 of 12 Points

Intent: Develop sustainable procurement policies and programs to source materials and equipment from manufacturers and suppliers that implement sustainable practices.

Metric: The extent of sustainable procurement programs, and the percentage of materials sourced from manufacturers and/or suppliers that implement sustainable practices.

Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team implemented a sustainable procurement policy or program?	Yes
B	To what extent do materials, supplies, equipment, manufacturers, and suppliers meet sustainable procurement policy/program requirements? Select one of the following:	Yes
	At least 25% of all project materials, supplies, and equipment meet the sustainable procurement policy/program requirements.	
	Yes =	2 of 2

RA1.2 Use Recycled Materials — 9 of 16 Points

Intent: Reduce the use of virgin natural resources and avoid sending useful materials to landfills by specifying reused materials, including structures, and material with recycled content.

Metric: Percentage of project materials that are reused or recycled. Plants, soil, rock, and water are not included in this credit.

Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	To what extent has the project team used recycled materials, including materials with recycled content and/or reused existing structures or materials? Select one of the following:	Yes
	At least 25% (by weight, volume, or cost) of recycled materials including materials with recycled content and/or reused existing structures or materials.	
	Yes =	1 of 1

RA1.3 Reduce Operational Waste — 14 of 14 Points

Intent: Reduce operational waste and divert waste streams from disposal to recycling and reuse.

Metric: Percentage of total operational waste or byproducts diverted from disposal.

Applicability: This credit is applicable to all projects that produce operational waste or byproducts. Projects that do not include any operational waste may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team developed a waste management plan to decrease project waste and divert waste from landfills during operation?	Yes
B	To what extent has the project team reduced waste or diverted waste from landfills? Select one of the following:	Yes
	The project is planned or designed to divert at least 95% of operational waste. Diversion may be a combination of waste reduction measures and/or sourcing waste to other facilities for recycling or reuse.	
	Yes =	2 of 2

RA1.4 Reduce Construction Waste — 16 of 16 Points

Intent: Divert construction and demolition waste streams from disposal to recycling and reuse.

Metric: Percentage of total waste diverted from disposal.

Applicability: This credit is applicable to all projects that produce construction waste. Projects that do not include any construction waste may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team developed a comprehensive waste management plan to decrease project waste and divert waste from landfills during construction?	Yes
B	To what extent has construction waste been diverted from landfills? Select one of the following:	Yes
	During construction at least 95% of waste materials are recycled, reused, and/or salvaged. Diversion may be a combination of waste-reduction measures and sourcing waste to other facilities for recycling or reuse.	
	Yes =	2 of 2

RA1.5 Balance Earthwork On Site — 8 of 8 Points

Intent: Minimize the movement of soils and other excavated materials off site to reduce transportation and environmental impacts.

Metric: Percentage of excavated material retained on site or nearby.

Applicability: This credit is applicable to all projects that involve the excavation of qualifying earthwork. Projects that do not include any earthwork, or only involve the excavation of excluded material considered contaminated or hazardous, may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of excavated soil is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of excavated material in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	To what extent has the project team designed the project to balance cut and fill to reduce the excavated material taken off site? Select one of the following:	Yes
	The site is fully balanced. No earthwork is removed from the site and no earthwork is imported.	
	Yes =	1 of 1

2. ENERGY

RA2.1 Reduce Operational Energy Consumption — 0 of 26 Points

Intent: Conserve energy by reducing overall operational energy consumption throughout the project life.

Metric: Percentage of operational energy reductions achieved.

Applicability: This credit is applicable to all projects that consume energy during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team determined the estimated annual energy consumption of the project during operations?		-
B	To what extent has the project reduced operational energy consumption? Select one of the following:	2	-
	None		
	Yes =		-

Envision Framework
Pre-Assessment Checklist

RA2.2 Reduce Construction Energy Consumption — 12 of 12 Points

Intent: Conserve resources and reduce greenhouse gases and air pollutant emissions by reducing energy consumption during construction.

Metric: The number of strategies implemented on the project during construction that reduce energy consumption and emissions.

Applicability: This credit is applicable to all projects that consume energy during construction. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award. In rare cases, where the amount of energy used during construction is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of construction energy use in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project team conducted planning reviews to reduce energy consumption during construction?	Yes
B	To what extent have energy conservation strategies been implemented during construction? (strategies are listed in the Envision Guidance Manual) Select one of the following:	Yes
	The project implements, or has written requirements to implement, at least six (6) energy reduction strategies.	
	Yes =	2 of 2

RA2.3 Use Renewable Energy — 20 of 24 Points

Intent: Meet operational energy needs through renewable energy sources.

Metric: Extent to which renewable energy sources are incorporated.

Applicability: This credit is applicable to all projects that consume energy (fuel or electricity) during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	To what extent does the project meet electricity or fuel needs from renewable sources? Select one of the following:	Yes
	The project meets 50% of energy needs (electricity and fuel) from renewable sources.	
	Yes =	1 of 1

Envision Framework
Pre-Assessment Checklist

RA2.4 Commission and Monitor Energy Systems — 0 of 14 Points

Intent: Ensure efficient functioning and extend useful life by specifying commissioning and monitoring of energy systems.

Metric: The inclusion of monitoring equipment and software, the extent of commissioning, and the commissioning agent's independence from the project.

Applicability: This credit is applicable to all projects that consume energy during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Does the design incorporate advanced integrated monitoring systems in order to enable more efficient operations? Select one of the following:	2	-
	None		
B	To what extent has a commissioning been conducted? Select one of the following:	2	-
	None		
C	Is there a plan for ongoing commissioning of the energy systems throughout the project's life?		-
		Yes =	-

Envision Framework
Pre-Assessment Checklist

RA3.1 Preserve Water Resources — 12 of 12 Points

Intent: Assess and reduce the negative net impact on fresh water availability, quantity, and quality at a watershed scale to positively impact the region's water resources.

Metric: The extent to which the project considers and contributes to positively addressing broader watershed issues.

Applicability: This credit is applicable to all projects that consume water or impact receiving waters. Projects that do not include any impacts to water quantity or quality may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the impact to water quantity or quality is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant impact to water quantity or quality use in the context of the project.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Has the project team conducted a watershed assessment?	Yes
B	Has the project team estimated the water usage and wastewater generation over the life of the project?	Yes
C	Does the project include features to minimize the negative impacts of water usage, and/or watershed-scale issues?	Yes
D	Does the project have a net-zero impact on the quantity and availability of fresh surface water and groundwater supplies without compromising water quality?	Yes
E	Is the project part of a watershed-level or regional plan?	Yes
F	Does the project make a direct net-positive improvement to the watershed?	Yes
	Yes =	6 of 6

Envision Framework
Pre-Assessment Checklist

RA3.2 Reduce Operational Water Consumption — 0 of 22 Points

Intent: Reduce overall water consumption while encouraging the use of greywater, recycled water, and stormwater to meet water needs.

Metric: Percentage reduction in potable water use and overall water use.

Applicability: This credit is applicable to all projects that consume water during operations. Projects that do not include any operational water consumption may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of water consumption is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational water use in the context of the project.

			Yes/No
	Is this credit applicable?		-
Assessment Questions:			**Criteria Met?**
A	Has the project team conducted planning and design reviews to identify potable water reduction strategies during operation of the project?		-
B	To what extent has the project reduced potable water use? Select one of the following:	2	-
	None		
C	To what extent has the project reduced overall water use (including potable and nonpotable water)? Select one of the following:	2	-
	None		
D	Does the project have a net positive impact on water use?		-
		Yes =	-

RA3.3 Reduce Construction Water Consumption — 8 of 8 Points

Intent: Reduce potable water consumption during construction.

Metric: The number of strategies implemented during construction that reduce potable water consumption.

Applicability: This credit is applicable to all projects that consume water during construction. Projects that do not include any operational water consumption may apply to have this credit deemed not applicable with supporting documentation. In cases where the amount of water consumption during operations is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

			Yes/No
	Is this credit applicable?		Yes
Assessment Questions:			**Criteria Met?**
A	Has the project team conducted planning reviews to reduce water consumption during construction?		Yes
B	To what extent have water conservation strategies been implemented during construction? Select one of the following:		Yes
	No potable water consumption, except for human consumption and hygiene, by means of implementing as many strategies as necessary.		
		Yes =	2 of 2

Envision Framework
Pre-Assessment Checklist

RA3.4 Monitor Water Systems — 0 of 12 Points

Intent: Improve operational performance by including monitoring capabilities.

Metric: Extent and capability of water monitoring equipment and inclusion of response plans.

Applicability: This credit is applicable to all projects that consume water during their operation or include the conveyance of large quantities of water. Projects that do not include operational water use or water conveyance may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational water use, or conveyance, is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of water use in the context of the project.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Does the design incorporate advanced integrated monitoring systems in order to improve performance? Select one of the following:	2	-
	None		
B	Does the project include real-time water monitoring?		-
		Yes =	-

Natural World

1. SITING

NW1.1 Preserve Sites of High Ecological Value — 22 of 22 Points

Intent: Avoid placing the project and temporary works on a site that has been identified as being of high ecological value.

Metric: Avoidance of high ecological value sites and establishment of protective buffer zones.

Applicability: Projects that do not contain areas of high ecological value, and cannot demonstrate they actively avoided areas of high ecological value, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified whether the site contains areas of high ecological value?	Yes
B	Has the project mitigated any areas of high ecological value that are disturbed? Select one of the following:	No
	None	
C	Does the project avoid developing or disturbing areas of high ecological value on site?	Yes
D	Does the project preserve an effective protective buffer zone around areas of high ecological value?	Yes
E	Was the project intentionally sited to avoid areas of high ecological value?	No
F	Does the project significantly increase the area of high ecological value?	Yes
	Yes =	4 of 6

Envision Framework
Pre-Assessment Checklist

NW1.2 Provide Wetland and Surface Water Buffers — 2 of 20 Points

Intent: Protect, buffer, enhance, and restore wetlands, shorelines, and waterbodies by providing natural buffer zones, vegetation, and soil-protection zones.

Metric: Type and quality of natural buffer zone established around all wetlands, shorelines, and waterbodies.

Applicability: Projects that do not contain wetlands or surface waters, and for which no siting options containing wetlands or surface waters were possible or seriously considered, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Has the project team identified wetlands and surface waters on or near the site?	Yes
B	Has the project team determined the type and width of buffer zones necessary to protect wetlands and surface waters?	Yes
C	To what extent has the project implemented protective buffer zones around wetlands and surface waters? Select one of the following:	Yes
	The project provides vegetated or natural buffer zones around at least 90% of wetlands and surface waters on site. The remaining areas (<10%) are protected with engineered controls. Together they are sufficient to slow surface runoff, and trap sediments, pesticides, and other pollutants. Minimum buffer width is 50 ft/15 m unless otherwise justified under criterion B.	
D	Was the project intentionally sited to avoid wetlands and surface waters?	-
E	Will the project involve returning previously developed or disturbed sites within the buffer zone to a natural state?	Yes
	Yes =	4 of 5

NW1.3 Preserve Prime Farmland — 0 of 0 Points

Intent: Identify and protect soils designated as prime farmland, unique farmland, or farmland of importance.

Metric: Percentage of farmland avoided or preserved during development.

Applicability: Projects that do not contain prime farmland, and for which no siting options containing prime farmland were possible or seriously considered, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	No

	Assessment Questions:		Criteria Met?
A	Has the project team assessed the project site for soils identified as prime farmland, unique farmland, or farmland of importance?		-
B	To what extent will the project protect or preserve prime farmland, unique farmland, or farmland or importance? Select one of the following:	2	No
	None		
C	Has the project team mitigated any damage or disturbance to prime farmland, unique farmland, or farmland of importance?		-
D	Was the project intentionally sited to avoid prime farmland?		-
E	Does the project preserve existing farmland for posterity or restore previously disturbed farmland?		-
		Yes =	-

Envision Framework
Pre-Assessment Checklist

NW1.4 Preserve Undeveloped Land	24 of 24 Points

Intent: Conserve undeveloped land by locating projects on previously developed land.

Metric: Percentage of project development that is located on previously developed land.

Applicability: Assessment of this credit is determined by the extent to which the project is located on previously developed land or previously undeveloped land. As all land falls within these two classifications, it would be difficult to demonstrate that the credit is not applicable. Inability to locate the project on developed land is not sufficient justification to remove this credit from consideration.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	To what extent is the project located on previously developed land? Select one of the following:	Yes
	100% percent of the developed area of the project is located on previously developed land.	
B	Has the project returned developed areas to a condition that supports natural open space, habitat, or natural hydrology?	Yes
	Yes =	2 of 2

2. CONSERVATION

NW2.1 Reclaim Brownfields — 0 of 22 Points

Intent: Locate projects on sites classified as brownfields.

Metric: The extent of remediation of the brownfield site.

Applicability: Project teams that were unable to identify a suitable site may apply to have this credit deemed not applicable with supporting documentation that efforts were made. If no evidence is provided that any consideration was given to locating the project on a brownfield, the credit is considered applicable and no points achieved.

	Yes/No
Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Is the project located on a site currently identified as a closed brownfield?		-
B	Is the project located on a site currently identified as an active brownfield?		-
C	To what extent has the project mitigated or remediated the site? Select one of the following:	2	-
	None		
D	Has the brownfield site been closed or deregulated?		-
		Yes =	-

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NW2.2 Manage Stormwater — 24 of 24 Points

Intent: Minimize the impact of development on stormwater runoff quantity, rate, and quality.

Metric: Degree to which the project infiltrates, evapotranspirates, reuses, and/or treats stormwater while not exceeding rate or quantity runoff targets.

Applicability: This credit is applicable to all projects that impact stormwater runoff. In rare cases, where the impact on stormwater runoff is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant impact on stormwater runoff in the context of the project.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	To what extent does the project infiltrate, evapotranspirate, reuse, and/or treat stormwater on site? Select one of the following:	Yes
	Infiltrate, evapotranspirate, or reuse more than 100% of 95th percentile local 24-hour event. OR If infiltration, evapotranspiration, or reuse are not permitted or impracticable detain and treat more than 150% of 95th percentile 24-hour event.	
B	To what extent does the completed project limit rate or quantity of runoff compared to existing conditions? Select one of the following:	Yes
	Do not exceed rate or quantity of runoff for the 2-, 5-, 10-, 25-, 50-, and 100-year 24-hour rainfall event relative to the existing condition (greenfield, greyfield, or brownfield).	
C	Does the project include an erosion, sedimentation, and pollution control plan for all construction activities?	Yes
D	Does the project treat stormwater from other sites or does it function as part of a larger stormwater management plan?	Yes
	Yes =	4 of 4

NW2.3 Reduce Pesticide and Fertilizer Impacts — 9 of 12 Points

Intent: Reduce non-point-source pollution by reducing the quantity, toxicity, bioavailability, and persistence of pesticides and fertilizers.

Metric: Reductions in quantity, toxicity, bioavailability, and persistence of pesticides and fertilizers used on site, selection of plant species, and use of integrated pest management techniques.

Applicability: Consideration is given as to whether the scope of the project includes exterior vegetated areas. Projects that do not include exterior vegetated areas may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Have operational policies and programs been put in place to control the application of fertilizers and pesticides?	Yes
B	Have runoff controls been put in place to minimize contamination of groundwater and surface water?	Yes
C	To what extent has the project team designed landscaping to require fewer pesticides and fertilizers? Select one of the following:	Yes
	Landscaping is designed with plant species that do not require pesticides or fertilizers.	
D	Has the project team selected pesticides and fertilizers that have lower toxicity, persistence, and bioavailability?	Yes
	Yes =	4 of 4

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NW2.4 Protect Surface and Groundwater Quality — 20 of 20 Points

Intent: Preserve water resources by preventing pollutants from contaminating surface water and groundwater and monitoring impacts during construction and operations.

Metric: Designs, plans, and programs instituted to prevent and monitor surface water and groundwater contamination during construction and operations.

Applicability: This credit is applicable to all projects that contain or use hazardous and/or potentially polluting substances with the potential to contaminate water sources. In addition to chemical use, project teams should consider how chemical leaching from materials may be a source of contamination.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has project team determined the potential for surface water and/or groundwater contamination during construction and operations?	Yes
B	Does the project include spill and leak prevention and response plans, and avoid creating new pathways for contamination during construction and operations?	Yes
C	Based on the types of impacts identified in criterion A, does the project reduces the risk of quality degradation to surface water and/or groundwater? This should include water temperature.	Yes
D	Have adequate and responsive surface water and/or groundwater quality monitoring and reporting systems been incorporated into the project?	Yes
E	Has the project actively eliminated at least one source of hazardous and/or potentially polluting substances, or replaced them with nonhazardous or nonpolluting substances or materials?	Yes
F	Does the project improve surface water and/or groundwater quality?	Yes
	Yes =	6 of 6

2. ECOLOGY

NW3.1 Enhance Functional Habitats — 18 of 18 Points

Intent: Preserve and improve the functionality of terrestrial (land) habitats.

Metric: The number of habitat functions addressed in order to preserve or enhance the net area and quality of functional habitat.

Applicability: Consideration is given to whether the project contains or impacts natural habitat. Projects that do not contain or impact natural habitat may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified existing terrestrial habitats and sited the project to minimize impact?	Yes
B	Does the project mitigate all disturbances to functional terrestrial (land) habitats? Select one of the following:	Yes
	The project ensures that no existing habitats are disturbed or damaged.	
C	Does the project increase the quantity of terrestrial habitat?	Yes
D	Does the project improve the quality of any existing or proposed new terrestrial habitat?	Yes
E	Does the project facilitate movement between terrestrial habitats, provide new connections, or remove barriers, in order to improve habitat connectivity?	Yes
F	Does the project return developed land to natural habitat, or set aside existing habitat for permanent conservation and protection?	Yes
	Yes =	6 of 6

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NW3.2 Enhance Wetland and Surface Water Functions — 20 of 20 Points

Intent: Maintain and restore the ecosystem functions of streams, wetlands, waterbodies, and their riparian areas.

Metric: Number of functions maintained and restored.

Applicability: Consideration is given to whether the project contains or impacts wetlands or surface waters. This includes direct, indirect, and/or cumulative impacts. Projects that do not contain or impact natural wetlands or surface waters may apply to have this credit deemed not applicable with supporting documentation

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Has the project team identified impacts to wetland and surface water functions?	Yes
B	Does the project minimize and mitigate disturbance to wetland and surface water functions? Select one of the following:	Yes
	The project ensures that no existing wetlands or surface water functions are disturbed or damaged as a result of the project.	
C	Does the project protect or restore hydrologic connection?	Yes
D	Does the project protect or restore water quality?	Yes
E	Does the project protect or restore aquatic habitat?	Yes
F(1)	Does the project protect sediment transport and reduce sedimentation?	Yes
F(2)	In addition to protecting all existing wetland and surface water functions, can the project demonstrate it has restored at least one previously degraded wetlands and/or surface water function?	Yes
	Yes =	7 of 7

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NW3.3 Maintain Floodplain Functions — 14 of 14 Points

Intent: Preserve floodplain functions by limiting development and impacts of development in the floodplain.

Metric: Efforts to avoid floodplains or maintain natural-acting floodplain functions.

Applicability: Projects that are not within the floodplain and do not impact floodplain functions, may apply to have this credit deemed not applicable with supporting documentation. Some projects that are not directly within the floodplain may still have an impact on flooding and floodplain functions through their handling of stormwater runoff. These projects may also pursue achievement in this credit if they can demonstrate a direct connection to the floodplain. There are strong links between this credit and NW2.2 Manage Stormwater, and some project components and strategies may apply to both credits.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Has the project team identified the 100-year or design frequency floodplain in relation to the project location?	Yes
B	To what extent does the project preserve vegetated zones within the floodplain? Select one of the following:	Yes
	The project avoids developing any existing natural/vegetated zones within the floodplain.	
C	Does the project mitigate impacts to floodplain functions?	Yes
D	Was the project intentionally sited to avoid floodplains?	No
E	Does the project remove structures from the floodplain or return previously developed areas to a vegetated state?	Yes
	Yes =	4 of 5

NW3.4 Control Invasive Species — 12 of 12 Points

Intent: Use appropriate noninvasive species, and control or eliminate existing invasive species.

Metric: Degree to which invasive species have been reduced or eliminated.

Applicability: This credit is applicable to all projects with sites that contain invasive species. Project teams that conduct site investigations and do not identify existing invasive species may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes
Assessment Questions:		**Criteria Met?**
A	Does the project avoid introducing invasive species to the site?	Yes
B	Has the project team conducted a site assessment to determine if invasive species are present?	Yes
C	Does the project implement controls for existing infestations of invasive species before, during and post-construction?	Yes
D	Does the project guard against future infestations by supporting the establishment of native and/or noninvasive species?	Yes
E	Does the project provide long-term controls to prevent the reintroduction of invasive species?	Yes
F	Does the project include the ongoing control, suppression, or containment of major infestations of invasive species after construction?	Yes
	Yes =	6 of 6

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NW3.5 Protect Soil Health — 8 of 8 Points

Intent: Preserve the composition, structure and function of site soils.

Metric: Degree to which the disruption of soil health has been minimized and restored.

Applicability: This credit is applicable to all projects that impact soils during construction. Projects that do not impact soil (e.g. the internal refurbishment of an existing facility) may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

Assessment Questions:		**Criteria Met?**
A	Has the project team limited the area that is disturbed by development activities?	Yes
B	Have vegetated areas disturbed by development activities been restored for appropriate soil type, structure, and function to support healthy plant and tree growth?	Yes
C	Has the project team implemented a soil protection plan or policies? Select one of the following:	Yes
	A soil protection plan, or policies, are prepared and implemented. The plan/policies specifically include any special landscape features. The plan is expanded to comply with best management practices from a local soil conservation agency, or is reviewed or prepared under the guidance of a certified soil scientist.	
D	Has the project restored appropriate soil type, structure, and function to vegetated areas disturbed by previous development?	Yes
	Yes =	4 of 4

Climate And Resilience

1. Emissions

CR1.1 Reduce Net Embodied Carbon — 0 of 20 Points

Intent: Reduce the impacts of material extraction, refinement/manufacture, and transport over the project life.

Metric: Percentage of reduction in net embodied carbon of materials.

Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Has the project team determined materials that are the primary contributors to embodied carbon for the project during construction and operation?		-
B	Has the project team calculated the primary contributors to overall embodied carbon?		-
C	To what extent does the project reduce the net embodied carbon of materials used in construction and operation? Select one of the following:	2	-
	None		

Yes = -

CR1.2 Reduce Greenhouse Gas Emissions — 0 of 26 Points

Intent: Reduce greenhouse gas emissions during the operation of the project, reducing project contribution to climate change.

Metric: Percentage of reduction in operational greenhouse gas emissions.

Applicability: This credit is applicable to all projects that consume energy, fuel, or otherwise produce greenhouse gas emissions during their operation. Projects that do not include greenhouse gas emissions during operations may apply to have this credit deemed not applicable with supporting documentation. However, projects that do not produce greenhouse gas emissions because of intentional planning decisions may apply for the Conserving level with supporting documentation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	To what extent does the project reduce greenhouse gas emissions during its operational life? Select one of the following:	C	-
	The project team demonstrates at least a 50% reduction in total CO2e over the operational life of the project compared to the baseline.		
B	Has the project team calculated and reported the annual greenhouse gas emissions of the project?		Yes

Yes = -

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CR1.3 Reduce Air Pollutant Emissions — 0 of 18 Points

Intent: Reduce emissions of air pollutants: particulate matter (including dust), ground-level ozone, carbon monoxide, sulfur oxides, nitrogen oxides, lead, and volatile organic compounds.

Metric: Reduction of air pollutants compared to baseline.

Applicability: This credit is applicable to all projects that directly produce any of the criteria pollutants. Projects that do not include air pollutant emissions may apply to have this credit deemed not applicable with supporting documentation. However, projects that do not produce air pollutant emissions because of intentional planning decisions to choose non-polluting alternatives may apply for the Conserving level with supporting documentation.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	Does the project meet all relevant minimum air quality standards and regulations?		-
B	To what extent does the project reduce air pollutant emissions during operations? Select one of the following:	2	-
	None		
C	Does the project include the ongoing monitoring and management of direct air pollutant emissions?		-
D	Has the project team assessed the materiality of volatile organic compounds to the health of construction workers and the project operators?		-
E	Does the project remove existing air pollutant sources?		-
		Yes =	-

2. RESILIENCE

CR2.1 Avoid Unsuitable Development — 6 of 16 Points

Intent: Minimize or avoid development on sites prone to hazards.

Metric: The degree to which the project is designed and/or sited to avoid or mitigate site-related risks.

Applicability: Projects that are not located within regions at risk of site hazards, and therefore cannot demonstrate they actively avoided site hazards, may apply to have this credit deemed not applicable with supporting documentation.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	Criteria Met?
A	Has the project team identified potential siting hazards, the vulnerability of the project to the hazard, and the potential for the project to exacerbate the hazard?	Yes
B	Can the project team demonstrate that siting and project alternatives were seriously considered in order to minimize exposure to risk?	Yes
C	Has the project team implemented strategies to mitigate the impact of site hazards?	Yes
D	Can the project team demonstrate that the chosen project and site resulted in the lowest exposure to site hazards while still meeting project requirements?	-
E	Was the site chosen to intentionally avoid known site hazards?	-
F	Does the project remove or modify structures subject to frequent damage?	-
	Yes =	3 of 6

CR2.2 Assess Climate Change Vulnerability — 0 of 20 Points

Intent: Develop a comprehensive climate change vulnerability assessment.

Metric: Scope and comprehensiveness of climate change vulnerability assessment.

Applicability: This credit is applicable to all projects potentially impacted by climate change, which is the vast majority of infrastructure.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team determined climate change threats to the project and its surroundings?	Yes
B	Has the project team determined the vulnerability of the project to climate change threats?	Yes
C	Has the project team determined the vulnerability of the infrastructure system to climate change threats?	Yes
D	Has the project team determined the vulnerability of the community to climate change threats?	Yes
E	Has the project team or owner shared their climate threat findings?	Yes
	Yes =	-

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CR2.3 Evaluate Risk and Resilience — 0 of 26 Points

Intent: Conduct a comprehensive, multihazard risk and resilience evaluation.

Metric: Scope and comprehensiveness of the multihazard risk and resilience evaluation.

Applicability: It is likely that all projects would benefit from a thorough investigation of potential risks. It would, therefore, be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award. Risks are not always major catastrophic events; small and large projects alike may consider how crime/vandalism or personal injury are also potential risks with associated impacts.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:		Criteria Met?
A	To what extent does the project team's risk assessment include the project, infrastructure system, and community? Select one of the following:	C	-
	The project team draws the assessment boundary for subsequent criteria (B, C, D, and E) around the interdependencies of the project, its associated/connected infrastructure system/network, and the broader community.		
B	Has the project team identified the critical functions and dependencies of the infrastructure asset and its primary components?		Yes
C	Has the project team identified the threats or hazards to the project and its surroundings?		Yes
D	Has the project team identified the vulnerabilities of the critical functions and dependencies of the infrastructure asset?		Yes
E	Has the project team evaluated risks by determining the probability of a threat or hazard occurring and the associated impacts?		Yes
F	Did the risk evaluation conducted by the project include the participation of the owner and a diverse and integrated team of key stakeholders?		Yes
		Yes =	-

CR2.4 Establish Resilience Goals and Strategies — 0 of 20 Points

Intent: To support increased project and community resilience through the establishment of clear objectives and goals.

Metric: The degree to which resilience goals expand from initial commitments to quantifiable project objectives, long-term operating plans, and community-wide development plans.

Applicability: All projects that are exposed to risks would benefit from establishing resilience goals and strategies. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team identified the project performance goals and risk appetite of the owner?	-
B	Has the project team developed risk management strategies based on a comprehensive risk evaluation?	-
C	Have key stakeholders been engaged in developing resilience goals?	-
D	Is the project part of, or does it support, larger community resilience or climate change adaptation goals?	-
	Yes =	-

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CR2.5 Maximize Resilience — 0 of 26 Points

Intent: Increase resilience, life-cycle system performance, and the ability to withstand hazards by maximizing durability.

Metric: The degree to which the project incorporates elements that increase durability, the ability to withstand hazards, and extend useful life.

Applicability: All projects that are exposed to risks would benefit from increased resilience. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	-

	Assessment Questions:	Criteria Met?
A	Has the project team developed resilience goals and strategies based on a comprehensive risk evaluation?	-
B	Has the project team implemented resilience strategies sufficient to address major project risks and improve project resilience?	-
C	Has the project team periodically monitored the implementation of project resilience strategies and reviewed their continued effectiveness throughout project delivery?	-
D	Will resilience goals and strategies be incorporated into the ongoing operations and maintenance of the project?	-
E	Does the project include methods for measuring or quantifying resilience performance targets?	-
	Yes =	-

CR2.6 Improve Infrastructure Integration — 2 of 18 Points

Intent: Enhance the operational relationships and strengthen the functional integration of the project into connected, efficient, and diverse infrastructure systems.

Metric: The degree to which the project is integrated into other connected systems, where beneficial and appropriate, in order to increase resilience and systems performance.

Applicability: It is likely that all infrastructure would, and should, benefit from the application of an integrated systems approach. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

		Yes/No
	Is this credit applicable?	Yes

	Assessment Questions:	**Criteria Met?**
A	Does the project increase internal systems integration?	Yes
B	Will the infrastructure integration reduce the risk of systemic or cascading failures?	-
C	Does the project increase external systems integration?	-
D	Does the project integrate infrastructure networks?	-
E	Does the project integrate data or monitoring systems in order to improve performance?	-
	Yes =	1 of 5