

The ENVISION
Sustainability Rating
System and
Project
Development



Sustainability and Resilience

LEED and Green Globes are for
Occupied Buildings



ENVISION can be applied to
Everything Else



ENERGY



WATER



WASTE



TRANSPORT



LANDSCAPE



INFORMATION

Why Use Envision?

- Envision is a sustainable rating system and planning guide for introducing sustainability considerations into **infrastructure** projects
 - Roads, bridges, sewers, underground utilities, pipelines, railways, airports, dams, levees, landfills, water treatment systems, etc.
- **Benefits**
 - Long-term viability through increased resiliency and preparedness
 - Lower costs through management and stakeholder collaboration
 - Reduce negative impacts on the community and the environment
 - Increased public confidence and involvement in decision making

What ENVISION is “Not”

- ENVISION is not intended for occupied space
- The framework is intended to focus on sustainability and resilience for infrastructure
- ENVISION **CAN** be paired with sustainability rating systems for occupied buildings (e.g., LEED or Green Globes) as a compliment for a full project
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ENVISION Across all Project Phases

- Planning
 - Can be used to assess community values, engage stakeholders, and build consensus around the best project solution
- Design
 - Guides a thorough evaluation of the design and aids identification of additional improvements toward more sustainable development
- Construction
 - Can be used to guide decisions in this phase for continuity between the sustainable intent in design and actual project delivery
- Operations and Maintenance
 - Framework provides key sustainable performance indicators that can be monitored over the project life.

THE ENVISION™ RATING SYSTEM



Purpose
Community
Well-being



Collaboration
Management
Planning



Materials
Energy
Water



Siting
Land &
Water
Biodiversity



Emission
Resilience

The Rating System

- 64 Questions across the five categories
- Maximum of 1,000 points possible
- Two verification pathways:
 - Pathway A: Design and post-construction
 - Pathway B: Post-construction
- Categories address all areas of sustainability:
 - Social
 - Environmental
 - Economic
 - Resilience

Project Assessment

- Create the On-line Project, which initiates the scoresheet
- Conduct the Self-Assessment of the project
 - Provides the score for your project
 - Highlights opportunities for improvement
- **Yes/No:** An action taken or an outcome achieved (e.g., the project is not located on sensitive sites)
- **Target:** A specified outcome with discrete quantifiable levels (e.g., the project reduces energy consumption by 15%)
- **Execution:** A process conducted, or a commitment made to accomplish a stated objective (e.g., the project team has a comprehensive sustainability management plan in place)
- **Accomplishment:** A process conducted with a general or unspecified result (e.g., the project team has 'minimized' the use of fertilizers and pesticides on the project)

The Rating System

- Guidance and direction to the Project Team on options to enhance sustainability and resilience

SITING

- NW1.1** Preserve Sites of High Ecological Value
- NW1.2** Provide Wetlands and Surface Water Buffers
- NW1.3** Preserve Prime Farmland
- NW1.4** Preserve Undeveloped Land

CONSERVATION

- NW2.1** Reclaim Brownfields
- NW2.2** Manage Stormwater
- NW2.3** Reduce Pesticide and Fertilizer Impacts
- NW2.4** Protect Surface and Groundwater Quality

MATERIALS

- RA1.1** Support Sustainable Procurement Practices
- RA1.2** Use Recycled Materials
- RA1.3** Reduce Operational Waste
- RA1.4** Reduce Construction Waste
- RA1.5** Balance Earthwork On Site

ENERGY

- RA2.1** Reduce Operational Energy Consumption
- RA2.2** Reduce Construction Energy Consumption
- RA2.3** Use Renewable Energy
- RA2.4** Commission and Monitor Energy Systems

The Rating System Covers All Aspects of Sustainability

COLLABORATION

- LD1.1** Provide Effective Leadership and Commitment
- LD1.2** Foster Collaboration and Teamwork
- LD1.3** Provide For Stakeholder Involvement
- LD1.4** Pursue Byproduct Synergies

PLANNING

- LD2.1** Establish A Sustainability Management Plan
- LD2.2** Plan For Sustainable Communities
- LD2.3** Plan For Long-Term Monitoring and Maintenance
- LD2.4** Plan For End-of-Life

MOBILITY

- QL2.1** Improve Community Mobility and Access
- QL2.2** Encourage Sustainable Transportation
- QL2.3** Improve Access and Wayfinding

COMMUNITY

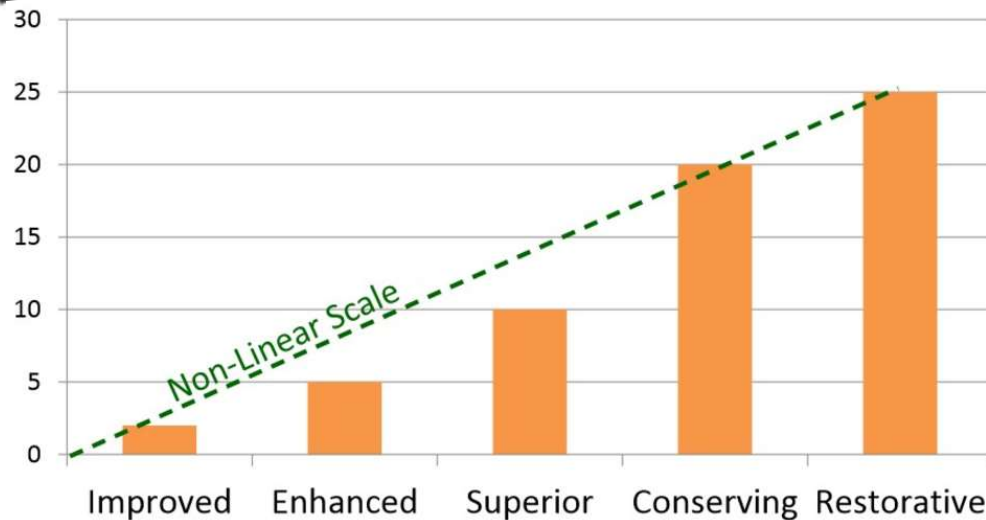
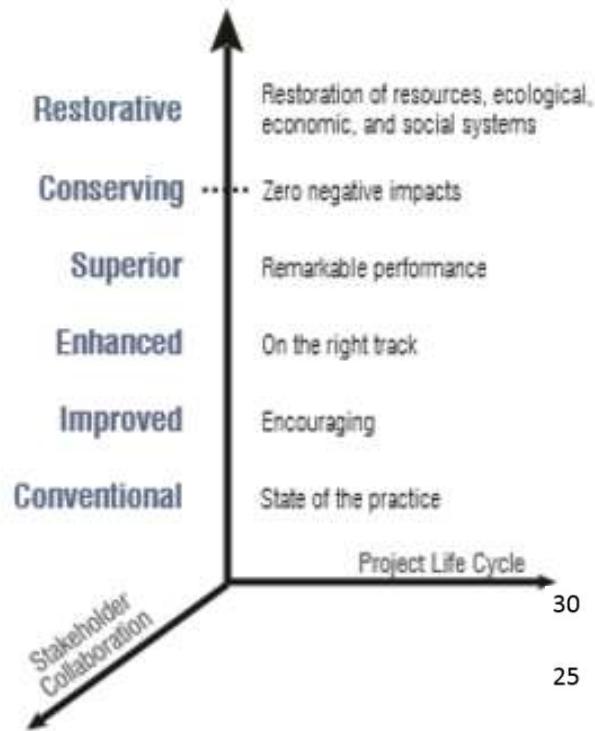
- QL3.1** Advance Equity and Social Justice
- QL3.2** Preserve Historic and Cultural Resources
- QL3.3** Enhance Views and Local Character
- QL3.4** Enhance Public Space and Amenities

RESILIENCE

- CR2.1** Avoid Unsuitable Development
- CR2.2** Assess Climate Change Vulnerability
- CR2.3** Evaluate Risk and Resilience
- CR2.4** Establish Resilience Goals and Strategies
- CR2.5** Maximize Resilience
- CR2.6** Improve Infrastructure Integration

The Rating System (V.2)

LEVELS OF ACHIEVEMENT



The Rating System (V.3)

Awards

To qualify for an award, a project must achieve a minimum of the total applicable Envision points.

Recognition Level

Total Applicable Points (%)

Verified Award

20

Silver Award

30

Gold Award

40

Platinum Award

50

Project Award Categories

An Envision award is earned after the ISI appointed third-party verifier has completed a thorough review of your project and provided a final score. Envision awards are based on the percentage of applicable points your project earned in the Envision framework.

Award Level	Percentage of Total Applicable Points Earned
Verified	20 - 29
Silver	30 - 39
Gold	40 - 49
Platinum	50 or more

Table 3: Envision Award Levels

Want to Learn More?

- <https://sustainableinfrastructure.org/>