Purpose of Envision™
To foster a dramatic and necessary improvement in the performance and resiliency of our physical infrastructure across the full dimensions of sustainability. Envision™ provides the framework and incentives needed to initiate this systemic change. As a planning and design guidance tool, Envision™ is meant to provide industry-wide sustainability metrics for all infrastructure types—an approach similar to its vertical facility counterpart, LEED.

Envision™ Background
Envision™ was created by a strategic alliance of the Zofnass Program for Sustainable Infrastructure at the Harvard University Graduate School of Design and the Institute for Sustainable Infrastructure (ISI). ISI is a not-for-profit education and research organization, dedicated to developing and maintaining a civil infrastructure rating system, and was formed by the American Council of Engineering Companies, the American Public Works Association and the American Society of Civil Engineers.

Overview
- Designed as a project assessment tool and to offer guidance for sustainable infrastructure design
- Can be used as a decision-making checklist or to document processes, decisions and design to apply for a third-party verified Envision™ award
- Objective framework of criteria and performance achievement that helps identify ways in which sustainable approaches can be used to plan, design, construct and operate infrastructure projects

Where Does Envision™ Apply?
- Covers roads, bridges, pipelines, railways, airports, dams, levees, landfills, water treatment systems and other civil infrastructure
- Does not include buildings or facilities, except process-focused, industrial-type facilities
- Primarily focused on the U.S. and Canada, Envision™ benefits and criteria could be adapted to other locations
- Used by infrastructure owners, design teams, community groups, environmental organizations, constructors, regulators and policy makers

Structure
Credit Categories & Subcategories
The Envision™ rating system has 60 sustainability criteria—called credits—divided into five categories, each with two to three subcategories:
1 | Quality of Life – Purpose, Wellbeing, Community
2 | Leadership – Collaboration, Management, Planning
3 | Resource Allocation – Materials, Energy, Water
4 | Natural World – Siting, Land & Water, Biodiversity
5 | Climate and Risk – Emissions, Resilience

Credit Levels of Achievement
1 | Improved – Performance that is above conventional
2 | Enhanced – Sustainable performance that adheres to Envision™ principles
3 | Superior – Sustainable performance that is noteworthy
4 | Conserving – Performance that has achieved essentially zero impact
5 | Restorative – Performance that restores natural or social systems

Innovation Points
Possible points awarded in each category for both exceptional performance and application of methods that push innovation in sustainable infrastructure.

Project Award Levels
To qualify for an award, projects must achieve a minimum percentage of the total applicable Envision™ points. Projects can be recognized at four award levels.

<table>
<thead>
<tr>
<th>Recognition Level</th>
<th>Total Applicable Points (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronze Award</td>
<td>20</td>
</tr>
<tr>
<td>Silver Award</td>
<td>30</td>
</tr>
<tr>
<td>Gold Award</td>
<td>40</td>
</tr>
<tr>
<td>Platinum Award</td>
<td>50</td>
</tr>
</tbody>
</table>

First-Ever Envision™ Project Award
The 141,000-square-foot William Jack Hernandez Sport Fish Hatchery is the heart of Alaska’s sport fish stocking program and the largest indoor sport fish hatchery in North America.
- Includes more than 100 fish rearing tanks
- Raises Chinook and Coho salmon, rainbow trout, Arctic char, and Arctic grayling
- Produces more than six million fish per year
- Stocks 200 different locations
- State-of-the-art water recirculation technologies use approximately five percent of the water and energy required in a conventional hatchery

HDR was the prime consultant for this state-of-the-art hatchery. For more information visit www.hdrinc.com.
<table>
<thead>
<tr>
<th>Credit Category</th>
<th>Available Points</th>
<th>Awarded Points</th>
<th>Innovation Points</th>
<th>Total Points</th>
<th>% of Available Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUALITY OF LIFE</td>
<td>181</td>
<td>67</td>
<td>0</td>
<td>67</td>
<td>37%</td>
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<tr>
<td>LEADERSHIP</td>
<td>121</td>
<td>81</td>
<td>1</td>
<td>82</td>
<td>68%</td>
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<tr>
<td>RESOURCE ALLOCATION</td>
<td>182</td>
<td>56</td>
<td>0</td>
<td>56</td>
<td>31%</td>
</tr>
<tr>
<td>NATURAL WORLD</td>
<td>164</td>
<td>84</td>
<td>0</td>
<td>84</td>
<td>51%</td>
</tr>
<tr>
<td>CLIMATE &amp; RISK</td>
<td>122</td>
<td>35</td>
<td>0</td>
<td>35</td>
<td>29%</td>
</tr>
<tr>
<td>Total Project Points</td>
<td>770</td>
<td>323</td>
<td>1</td>
<td>324</td>
<td>42%</td>
</tr>
</tbody>
</table>

Credit Category Subcategory Credits Awarded | Points Awarded | Level of Achievement
---|---|---
**QUALITY OF LIFE**
- **PURPOSE**
  - QL 1.1 Improve community quality of life 20 Conserving
  - QL 1.2 Stimulate sustainable growth and development 5 Superior
  - QL 1.3 Develop local skills and capabilities 1 Improved
- **WELLBEING**
  - QL 2.1 Enhance public health and safety 2 Improved
  - QL 2.2 Minimize light pollution 2 Enhanced
  - QL 2.4 Improve community mobility and access 7 Superior
  - QL 2.5 Encourage alternative modes of transportation 3 Enhanced
  - QL 2.6 Improve site accessibility, safety and wayfinding 12 Conserving
- **COMMUNITY**
  - QL 3.1 Preserve historic and cultural resources 1 Improved
  - QL 3.2 Preserve views and local character 3 Enhanced
  - QL 3.3 Enhance public space 11 Conserving

**QUALITY OF LIFE TOTAL**: 67

**LEADERSHIP**
- LD 1.1 Provide effective leadership and commitment 17 Conserving*
- LD 1.3 Foster collaboration and teamwork 15 Conserving*
- LD 1.4 Provide for stakeholder involvement 5 Enhanced

**LEADERSHIP TOTAL**: 82

**RESOURCE ALLOCATION**
- RA 1.6 Reduce excavated materials taken off site 2 Improved
- RA 2.1 Reduce energy consumption 18 Conserving*
- RA 2.3 Commission and monitor energy systems 3 Enhanced
- RA 3.1 Protect fresh water availability 17 Conserving
- RA 3.2 Reduce potable water consumption 13 Superior
- RA 3.3 Monitor water systems 3 Enhanced

**RESOURCE ALLOCATION TOTAL**: 56

**NATURAL WORLD**
- NW 1.4 Avoid adverse geology 3 Superior
- NW 1.5 Preserve floodplain functions 5 Enhanced
- NW 1.7 Preserve greenfields 23 Restorative*
- NW 2.2 Reduce pesticide and fertilizer impacts 5 Superior
- NW 2.3 Prevent surface and groundwater contamination 18 Restorative*
- NW 3.1 Preserve species biodiversity 2 Improved
- NW 3.2 Control invasive species 5 Superior
- NW 3.3 Restore disturbed soils 8 Conserving
- NW 3.4 Maintain wetland and surface water functions 15 Conserving

**NATURAL WORLD TOTAL**: 84

**CLIMATE & RISK**
- CR 1.2 Reduce air pollutant emissions 2 Improved
- CR 2.2 Avoid traps and vulnerabilities 16 Conserving
- CR 2.4 Prepare for short-terms hazards 17 Conserving

**CLIMATE & RISK TOTAL**: 35

**TOTAL POINTS AWARDED**: 324

**CREDIT LEVELS OF ACHIEVEMENT**
- **Improved**: Performance that is above conventional
- **Enhanced**: Sustainable performance that is on the right track
- **Superior**: Sustainable performance that is noteworthy
- **Conserving**: Performance that has achieved essentially zero impact
- **Restorative**: Performance that restores natural or social systems