

Envision and The Concrete Sustainability Council (CSC)

The Envision® Sustainable Infrastructure Framework is a framework that includes 64 sustainability and resilience indicators. Successful use of the framework necessitates collaboration. CSC is a certification system that recognizes achievement across 32 ESG categories in addition to basic requirements. The Factsheet is a tool for training how to use CSC certification for effectively collaborating and communicating sustainability in infrastructure.

Overview of Envision

The Envision framework supports higher performance through more sustainable choices in infrastructure development. Envision aims to foster a dramatic and necessary improvement in the performance and resiliency of our physical infrastructure across the full dimensions of sustainability.



[Learn more about Envision.](#)
[Decision-making framework.](#)
[Learn more about the Envision criteria.](#)

Overview of The Concrete Sustainability Council - CSC

By creating a certification system for responsibly sourced concrete, the CSC promotes and demonstrates concrete as a sustainable building material to enable informed decision making in construction. The CSC aims to advance sustainability in the concrete industry by promoting economically, environmentally, socially, and responsibly managed practices. The CSC-certification includes the complete concrete supply chain: cement producers, aggregates suppliers and concrete manufacturers.



[Learn more about CSC certification system.](#)
[Find CSC Certified Companies and Plants.](#)

Identifying CSC Certified Products

The Concrete Sustainability Council Certification (v3.0 and above) is recognized by Envision as a third-party verified sustainability program.

Concrete suppliers who have achieved CSC certification can be identified by their CSC certificate.

The table below identifies Envision credits where CSC Certificates are recognized and/or have the potential to contribute to the evaluation criteria:

Envision Credits	CSC Certificate Level	Envision Levels of Achievement
RA1.1 Support Sustainable Procurement Practices	Gold and Platinum	Improved, Enhanced, Superior and Conserving
RA1.2 Use Recycled Materials	Silver, Gold and Platinum with R-Module certificate	Improved, Enhanced, Superior and Conserving
CR1.1 Reduce Net Embodied Carbon	Silver, Gold and Platinum with CO ₂ -Module certificate	Improved, Enhanced, Superior and Conserving

RA1.1 Support Sustainable Procurement Practices

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.

Identifying CSC Certified Products

The Concrete Sustainability Council Certification (v3.0 and above) is recognized by Envision as a third-party verified sustainability program and therefore CSC Certificates could contribute to meeting an *Improved, Enhanced, Superior or Conserving* level of achievement for credit RA1.1.

Project teams pursuing a level of achievement for Envision credit RA1.1, must identify the percentage of total project materials sourced from manufacturers and/or suppliers that implement sustainable practices. Materials sourced from manufacturers and/or suppliers that have achieved CSC certification are qualified under Envision to contribute to this percentage.

Concrete suppliers who have achieved CSC certification can be identified by their CSC certificate.

Find CSC Certified Companies and Plants.

- The CSC certificate has 4 levels: Bronze, Silver, Gold and Platinum • Gold and Platinum levels contribute to the Envision RA1.1 credit.



RA1.2 Use Recycled Materials

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.

Identifying CSC Certified Products

The Concrete Sustainability Council Certification (v3.0 and above) may contribute to meeting an *Improved, Enhanced, Superior or Conserving* level of achievement for credit RA1.2 with the CSC R-Module (1-star to 4-stars respectively).

Envision credit RA1.2 recognizes the percentage of recycled material used on a project. The use of materials from suppliers who have achieved CSC certification with a voluntary R-module could contribute to the requirements for credit RA1.2.

Concrete suppliers who have achieved Silver and above certification levels with a voluntary R-module add-on can be identified by their CSC R-Module certificate.

Find CSC Certified Companies and Plants.

- The R-module has 4 levels: 1 Star, 2 Stars, 3 Stars and 4 Stars
- All levels have the potential to contribute to Envision credit RA1.2.

Learn more about the CSC R-Module. Learn more about the Envision criteria.



CR1.1 Reduce Net Embodied Carbon

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.

Identifying CSC Certified Products

The Concrete Sustainability Council Certification (v3.0 and above) may contribute to meeting an *Improved, Enhanced, Superior or Conserving* level of achievement for credit CR1.1 with the CSC CO2-Module (1-star to 4-stars respectively).

Envision credit CR1.1 recognizes the percent reduction of the net embodied carbon of materials used in construction and operation. The use of materials from suppliers who have achieved CSC certification with the CO2-module could contribute to the requirements for credit CR1.1.

Concrete suppliers who have achieved Silver and above certification levels with a voluntary CO2-module add-on can be identified by their CSC CO2-Module certificate.

Find CSC Certified Companies and Plants.

- The CO2-module has 4 levels: 1 Star, 2 Stars, 3 Stars and 4 Stars
- All levels have the potential to contribute to Envision credit CR1.1.

Learn more about the CSC CO2 Module. Learn more about the Envision criteria.



The table below identifies Envision credits where CSC Certification strongly aligns with the credit intent and/or evaluation criteria. The use of suppliers with CSC certification has the potential to benefit project teams pursuing verification of these projects.

Envision Credits

Related Criteria	CSC Credits	Related Criteria	CSC Credits
QL1.1 Improve Community Quality Of Life		NW1.1 Preserve Sites of High Ecological Value	
Assess relevant community needs, goals, and/or issues	• P4.01 ESIA	Identification of areas of high ecological value	• E6.02 High biodiversity value area assessment
Community linkages	• S1.03 Communication & information • P4.01 ESIA	Mitigation measures	• E2.02 Responsible land use • E6.03 Biodiversity management/action plan • E6.05 No net loss
Potential negative impacts are mitigated	• S1.02 Social investment • S1.05 Implementation of the noise/vibration management plan	NW2.4 Protect Surface & Groundwater Quality	
Community satisfaction is demonstrated by feedback from the stakeholder engagement process	• B4.01 Feedback and complaints procedure for the local community	Identify potential impacts to surface water or groundwater quality	• E2.02 Responsible land use
QL1.3 Improve Construction Safety		Pathway avoidance	• E2.03 Protection from pollution
Commitment to safety	• S3.02 Preventive actions • S3.08 Recording of incidents • S3.09 Corrective actions based upon incidents	NW3.1 Enhance Functional Habitats	
Risk analysis, training and security	• S3.01 Risk analysis	Identify existing habitat types on or near the project site	• E6.02 High biodiversity value area assessment
Safe work practices	• S3.11 No fatality	Mitigation measures	• E6.03 Biodiversity management/action plan • E6.05 No net loss
Training for health and safety	• S3.07 Training • S3.04 Availability of the OHS policy	NW3.4 Control Invasive Species	
Secure site	• S3.03 OHS Policy	Prevent introduction of known invasive species	• E6.03 Biodiversity management/action plan
Programs that promote health and well-being	• S3.05 Access to medical treatment • S3.06 Access to clean drinking water	CR1.3 Reduce Air Pollutant Emissions	
QL3.1 Advance Equity & Social Justice		Meets air quality standards and regulations	• E4.01 Emission reduction targets
Assessment of social impacts	• P4 Environmental and social Impact	Strategies to reduce air pollutant emissions	• E4.08 Clean air silos • E4.09 Process and fugitive dust reduction measures
Commitment to equity and social justice	• P2 Human rights	Ongoing monitoring and processes to maintain performance targets	• E4.04 NOx emissions • E4.05 SOx emissions • E4.06 Dust emissions
Indigenous communities	• P3 Indigenous peoples rights	Implement strategies to reduce volatile organic compounds harmful to human health	• E4.07 Mercury emissions
RA3.1 Preserve Water Resources			
Increased awareness of watershed issues	• E5.02 Water scarcity and impact • E5.03 Water monitoring		
Water resource management	• E5.03 Water monitoring		

Photo: Jusup Budiono



To learn more, visit the **Concrete Sustainability Council Website** or send an email to: info@csc.eco