



# Envision<sup>®</sup> for Airports

## EXECUTIVE BRIEF

2022

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**ENVISION<sup>®</sup>**

THE BLUEPRINT FOR SUSTAINABLE INFRASTRUCTURE








# ENVISION BENEFITS AIRPORTS

## What is Envision?

Envision® is a holistic sustainability framework and rating system that guides and assesses the sustainability and resilience of all types of **infrastructure**, including airport projects. It is the only comprehensive tool in North America that can assist lead agencies, consultants, contractors, operators, and/or tenants in co-creating and delivering public infrastructure that can tackle climate change, prioritize public health and safety, cultivate environmental justice, and spur economic benefits. Envision is your airport's playbook to achieve these outcomes via a peer-reviewed scorecard to assess your infrastructure project's impacts and benefits among 64 credits in five categories.

## ENVISION CATEGORIES

-  Quality of Life (Wellbeing, Mobility, Community)
-  Leadership (Collaboration, Planning, Economy)
-  Resource Allocation (Materials, Energy, Water)
-  Natural World (Siting, Conservation, Ecology)
-  Climate and Resilience (Emissions, Resilience)

 **128**  
Envision-verified  
projects

 **\$111 B**  
cumulative value  
of Envision-verified  
projects

 **131**  
registered  
projects

 **\$44 B**  
cumulative value of  
projects registered  
for verification

As of March 2022

## How Envision Benefits Airports

Envision is uniquely advantageous for airport owners given the complexity and variety of airport infrastructure projects. It can ensure that infrastructure projects are high performing, efficient, and resilient, while demonstrating how airports contribute to local, regional, and global sustainability.

### Telling Your Sustainability Story

- **Envision helps demonstrate your commitment to social, economic, and environmental benefits.**  
Using Envision is a commitment to sustainability excellence in your infrastructure design and construction. Your projects will gain public recognition for delivering on your sustainability goals.
- **Envision provides enhanced transparency and credibility of your sustainability efforts.**  
Whether your sustainability program is mature or just getting started, Envision brings the credibility and transparency of a third-party rating system and verification.
- **Envision facilitates your sustainability or Environmental, Social, & Governance (ESG) reporting.**  
Reporting Envision verification adds value as it demonstrates strong governance and third-party auditing of your projects and their sustainability outcomes. Use data collected using Envision® to streamline reporting on the sustainable performance improvements, cost savings, and economic benefits of your airport.
- **Envision builds stakeholder transparency, involvement, and confidence in decision-making.**  
Envision offers a clear process and criteria for stakeholder engagement, equity, and workforce development, which leads to increased support for infrastructure investments.
- **Envision can facilitate access to sustainable finance and funding.**  
Noting use of Envision on projects in your airport's financial disclosures can increase access to green or social bonds or new grants, given an increased focus of state and federal agencies in quantifying sustainability, economic, and social outcomes of their investments.

### *Streamlined Management and Collaboration*

- **Envision leads to higher performance and innovation.**

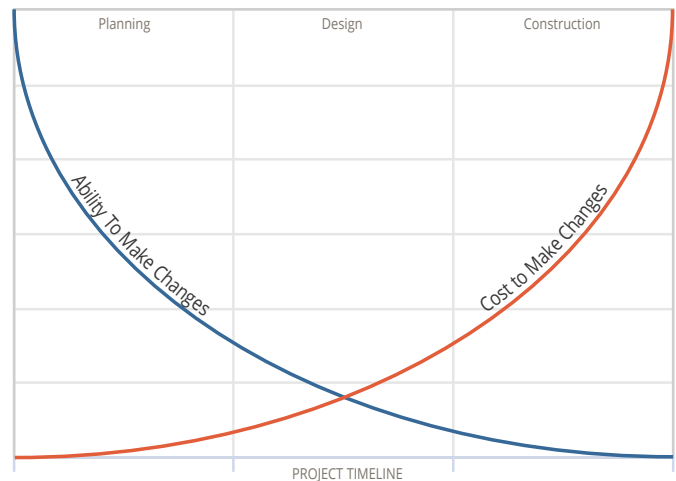
Envision charts a clear sustainability vision for all members of the project team early and often throughout planning, design, construction, and operation. Projects benefit from the best ideas, knowledge, and experience your team can bring to incorporate sustainability goals early enough in the process to be financially and technically feasible.

- **Envision drives better project management.**

Envision facilitates interdisciplinary and interdepartmental project team coordination, including planning and design charrettes, regular project meetings, documentation, and reviews. The project team is aligned to avoid missed opportunities for improved performance. This streamlined and collaborative process reduces errors and saves cost.

- **Envision grows sustainability skills and capabilities.**

Envision provides a platform for consistently educating airport staff and contractors on sustainability processes and best practices for design and construction.



### *Flexibility, Performance, and Resilience*

- **Envision facilitates a consistent, yet flexible, approach to sustainability.**

Envision provides guidance for multiple levels of achievement across 64 credits. With no prerequisites, the system has built-in flexibility to focus time and resources on those areas of planning, design, and construction most relevant to the scale and function of your infrastructure projects.

- **Envision integrates with and supports your sustainability performance goals.**

It is easy to tie Envision into existing design standards and guidelines and/or other rating systems. Envision provides a streamlined way to operationalize your airport's sustainability goals and policies without duplicating effort.

- **Envision strongly emphasizes resilience and risk reduction.**

This includes resilience to climate change and other hazards, but also long-term durability and performance. Resilience and risk reduction reduces the total cost of ownership of your assets by minimizing replacement and maintenance costs and ensuring a long useful life.

## Examples of Envision Success at Airports

### Hartsfield-Jackson Atlanta International Airport (ATL) - Atlanta, Georgia



Hartsfield-Jackson Atlanta International Airport (ATL) is the world's busiest passenger airport. As one of the most important air travel hubs in the world, the City of Atlanta, which owns and operates the airport, recognizes the importance of ensuring that ATL is also a world leader in sustainability. In addition to being awarded Envision Silver for the Taxiway and Runway 9L Pavement Replacement Project (December 2019), ATL has also developed a comprehensive set of Planning and Development Sustainability Standards that are applied across all projects within the airport's multi-billion dollar capital improvement program, ATLNEXT. Alongside use of LEED and ParkSmart, ATL's P&D Sustainability Standards require that all civil infrastructure projects meet the minimum certification level in either the Envision or SITES rating systems. By the end of the year, ATL will have 11 planned, active, or certified airfield projects following the Envision framework including a deicing facility pursuing both Envision and LEED.

### Indianapolis Airport Authority (IAA) - Indianapolis, Indiana

The Indianapolis Airport Authority (IAA or Authority) owns and operates six airports including Indianapolis International (IND) and five relievers. The Authority first looked to Envision for its infrastructure projects due to its holistic and flexible approach. The Eagle Creek Airpark Taxiway B project, at one of the Authority's reliever airports, was the first taxiway project to earn an Envision award and the second project at a general aviation airport to achieve this recognition. After this initial piloting of Envision, the IAA integrated its guidance into a sustainability toolkit that could be applied to all projects across its system of airports. The IAA is now pursuing Envision on two runway projects at IND, including one that is targeting Envision Platinum – the highest level of verification. Todd Cavender, the IAA's Director of Environment and Sustainability, highlights a key benefit of the rating system:

*"We all understand the urgency to decarbonize, enhance resilience, achieve social equity, and preserve resources, and Envision provides the common language on how to measure our performance and drive greater outcomes."*



## ENVISION-VERIFIED AIRPORT PROJECTS:

Project Name	Owner
San Diego International Airport Green Build Project (2016) and Terminal 2 Parking Plaza (2019)	San Diego County Regional Airport Authority
T.F. Green Airport Runway 5 Extension	Rhode Island Airport Corporation
Detroit Metropolitan Wayne County Airport Runway 4L/22R and Associated Taxiways Reconstruction (2016) and Runway 3L/21R and Associated Taxiways Reconstruction (2019)	Wayne County Airport Authority
Nashville International Airport Water Source Geothermal System	Metropolitan Nashville Airport Authority (MNA)
General William J. Fox Airfield Runway Reconstruction	County of Los Angeles Department of Public Work
LaGuardia Airport Central Terminal Building Replacement	Port Authority of New York and New Jersey
Eagle Creek Airpark Taxiway B	Indianapolis Airport Authority
Hartsfield-Jackson Atlanta International Airport Taxiway and Runway 9L Pavement Replacement	City of Atlanta Department of Aviation
Phoenix Sky Harbor International Airport Sky Train Phase	City of Phoenix Aviation Department
Portland International Airport Rental Car Quick Turnaround Facility	Port of Portland

## Contact



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