Envision...

leading the evolution of sustainable infrastructure

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Envision is a Joint Collaboration





ISI Founding Organizations









Types of Infrastructure Envision Rates













ENERGY

Geothermal

Hydroelectric

Nuclear

Coal

Natural Gas

Oil/Refinery

Wind

Solar

Biomass

WATER

Water

Resource

Recovery

Facilities

Storm Water

Management

Flood Control

Water Reuse

Potable Water Distribution

WASTE

Solid waste

Recycling

Hazardous

Waste

Collection &

Transfer

TRANSPORT

Airports

Roads

Highways

Bikes

Pedestrians

Railways

Public Transit

Ports

Waterways

LANDSCAPE INFORMATION

Public Realm

Parks

Ecosystem

Services

Natural Infrastructure

Telecommunications

Internet

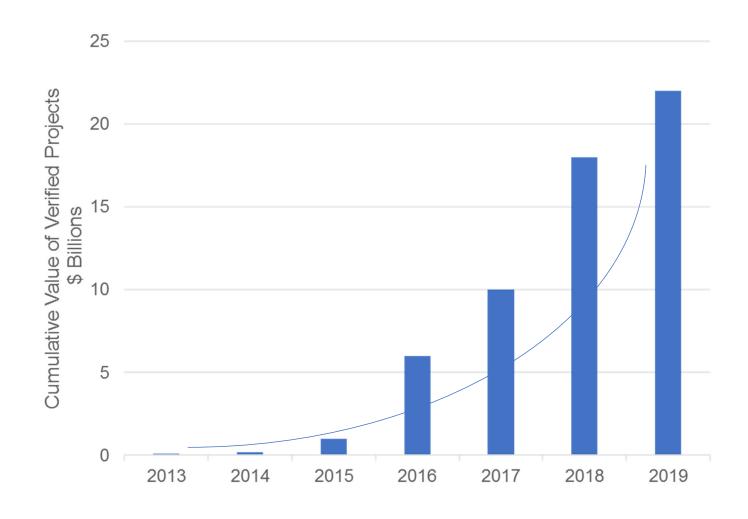
Phones

Data Centers

Sensors

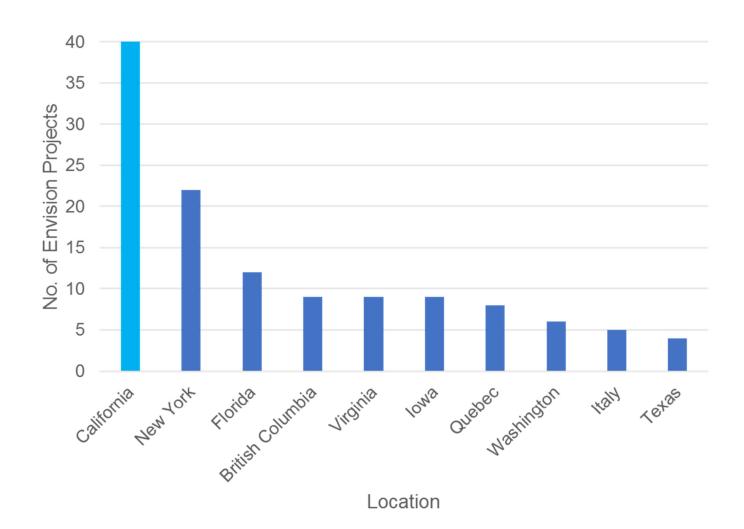


Cumulative Value of Envision Verified Projects



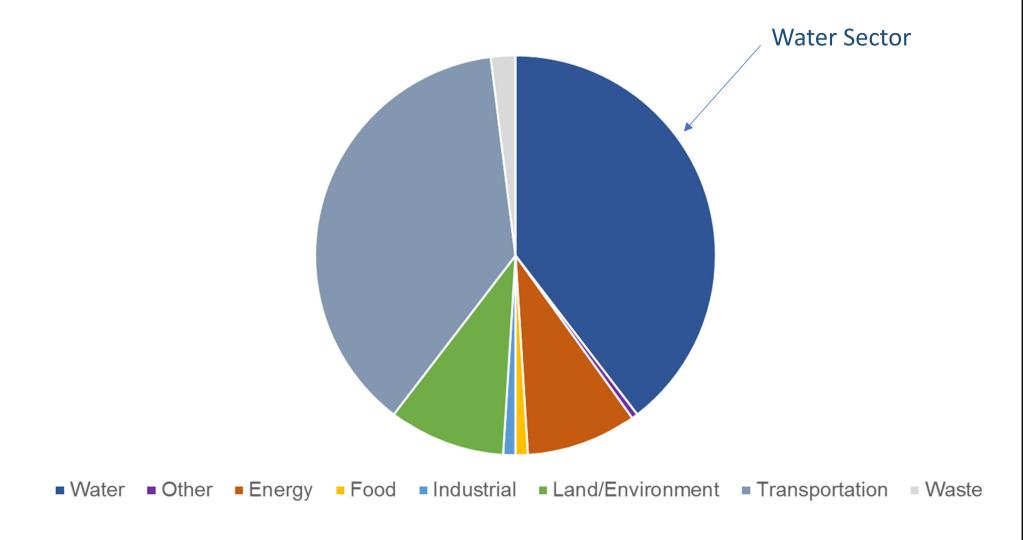


Projects Presently in Verification (Top 10 Only)





Envision Projects By Sector





Terminal Island Water Reclamation Plant, CA





Integrated Pipeline Project, TX



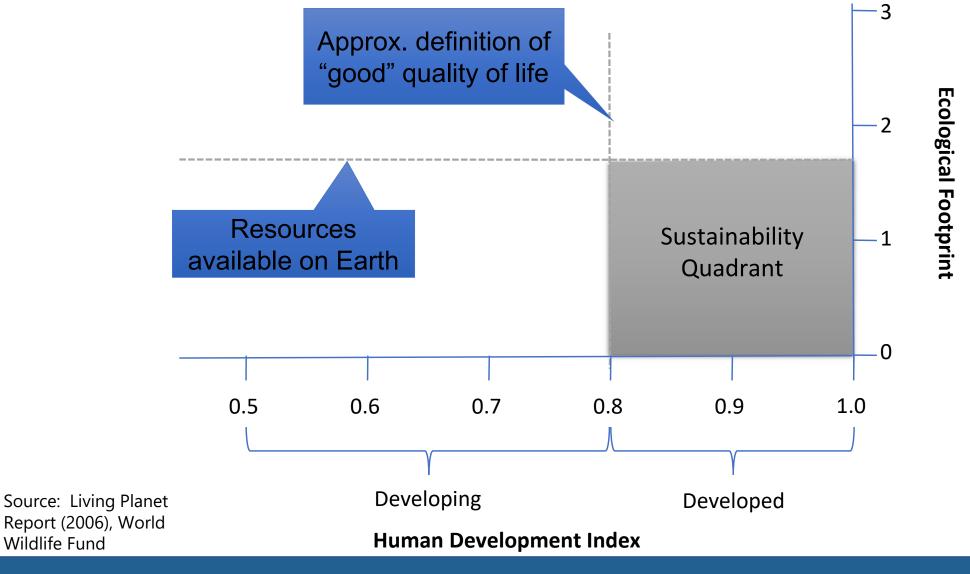


Sustainable development is...

...development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

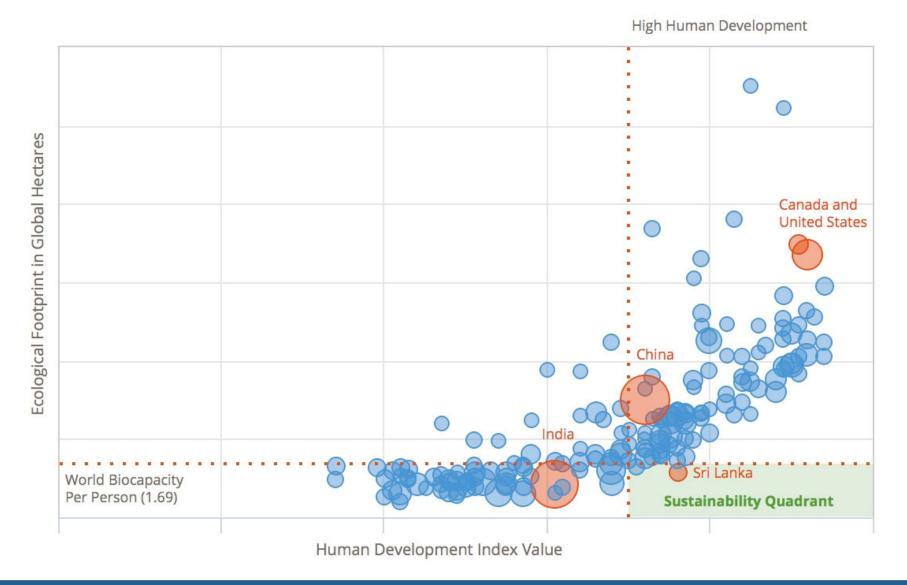
-Brundtland Commission Report 1987

Development vs. Resources





Development vs. Resources





- United Nations Office for Disaster Risk

Reduction 2009

United Nations Office for Disaster Risk Reduction, UNISDR Terminology and Disaster Risk Reduction, (Geneva, 2009)

"Resilience is...

...the ability of a system, community or society exposed to hazards, to resist, absorb, accommodate and to recover...in a timely and efficient manner..."

Envision – Credits in 5 Categories



Quality of Life

Wellbeing, Mobility, Community



Leadership

Collaboration, Planning, Economy



Resource Allocation

Materials, Energy Water



Natural World

Siting, Conservation, Ecology



Climate & Resilience

Emissions, Resilience



The Envision Framework

- Envision Guidance Manual
- 2. Envision Pre-Assessment Checklist
- 3. Envision Online Scoresheet
- 4. Envision Sustainability Professional Credential
- 5. Envision Verification
- 6. Envision Awards



Why Envision?

- 1. Quantify sustainable practices with standardized, nationally recognized metrics
- 2. Incorporate sustainability and resiliency philosophies into infrastructure projects
- 3. Quantify soft benefits of sustainable and resilient infrastructure
- 4. Strengthen interagency and regional cooperation
- 5. Improve infrastructure integration



