

**CITY OF EL PASO, TEXAS  
AGENDA ITEM  
AGENDA SUMMARY FORM**

**DEPARTMENT:** MAYOR AND COUNCIL

**AGENDA DATE:** November 8, 2022

**CONTACT PERSON NAME AND PHONE NUMBER:**

City Representative Peter Svarzbein, 212-1002

**DISTRICT(S) AFFECTED:** All

**STRATEGIC GOAL:** (Goal 7.5 - Set one standard for infrastructure across the city, design and implement infrastructure projects that maximize co-benefits, simultaneously addressing climatic and social stressors such as flooding, heat, and energy and citizen mobility)

(Goal 8.4- Develop and implement a comprehensive climate action plan aligned with identified community priorities and established strategic objectives focused on transportation, infrastructure, economy and equity)

**SUBJECT:**

**APPROVE a resolution / ordinance / lease to do what? O2R AUTHORIZE the City Manager to do what? Be descriptive of what we want Council to approve. Include \$ amount if applicable.**

Discussion and action to direct staff to return with strategies for implementation of Sustainable Development Goals (SDG) within performing and resilience framework.

**BACKGROUND / DISCUSSION:**

**Discussion of the what, why, where, when, and how to enable Council to have reasonably complete description of the contemplated action. This should include attachment of bid tabulation, or ordinance or resolution if appropriate. What are the benefits to the City of this action? What are the citizen concerns?**

The implementation of SGD will assist city staff to measure, develop and manage the performance on a citywide level.

**PRIOR COUNCIL ACTION:**

Has the Council previously considered this item or a closely related one?

N/A

**AMOUNT AND SOURCE OF FUNDING:**

**How will this item be funded? Has the item been budgeted? If so, identify funding source by account numbers and description of account. Does it require a budget transfer?**

N/A

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\*\*\*\*\*REQUIRED AUTHORIZATION\*\*\*\*\*



# TRACKING PROGRESS ON GLOBAL GOALS

A guide to implementing the UN Sustainable Development Goals using LEED v4.1 Cities and Communities: Existing

AUGUST 2020

# Introduction

Today, our cities are at a crossroads. While the challenges our global cities face have never been more serious, the performance improvement opportunities available to those who invest in the right technologies have never been more promising. All over the world, city leaders are realizing the incredible opportunities that green buildings and green infrastructure present— and consequently, a new generation of high-performance cities is emerging.

[LEED for Cities and Communities](#) delivers a comprehensive framework for planning, designing, measuring and managing the performance of social, economic and environmental conditions on a city-wide or community level.

LEED for Cities and LEED for Communities provide cities and communities with a globally consistent way to measure and communicate performance and helps develop responsible, sustainable and specific plans for natural systems, energy, water, waste, transportation and many other factors that contribute to quality of life.

In 2015, the UN passed a resolution establishing 17 Sustainable Development Goals (SDGs) with the intent of creating a more sustainable world by 2030. As part of the resolution, the UN identified a formal series of [targets and indicators](#) for nation-states to demonstrate progress.

The intent of this document is to share how local leaders—designers, developers, planners, mayors and others— can now use the measures LEED v4.1 for Cities and Communities to track progress towards the meeting these goals by mapping the LEED requirements to the SDGs.

Within this guide, for each of the SDGs, the corresponding LEED for Cities and Communities categories, prerequisites and credits that best align with the goal are listed along with specific performance metrics.

This guide is organized by the 17 Sustainable Development Goals, which includes:

- 🏠 Goal 1: No Poverty
- 🍲 Goal 2: Zero Hunger
- 🏥 Goal 3: Good Health and Well-Being
- 🎓 Goal 4: Quality Education
- 👫 Goal 5: Gender Equality
- 💧 Goal 6: Clean Water and Sanitation
- ⚡ Goal 7: Affordable and Clean Energy
- 💼 Goal 8: Decent Work and Economic Growth
- 🏗️ Goal 9: Industry Innovation and Infrastructure
- 👥 Goal 10: Reduce Inequalities
- 🏡 Goal 11: Sustainable Cities and Communities
- ♻️ Goal 12: Responsible Consumption and Production
- 🌡️ Goal 13: Climate Action
- 🌊 Goal 14: Life Under Water
- 🌿 Goal 15: Life on Land
- 🕊️ Goal 16: Peace, Justice and Strong Institutions
- 🤝 Goal 17: Partnerships for the Goals

Although the challenges our global cities face are great and many, we are determined to meet them head on. At the U.S. Green Building Council (USGBC), we are fully committed to driving a new way forward for our urban environments, and we know that leaders across the globe are ready to meet the challenge and deliver the sustainable, equitable, resilient, and smart cities and communities of tomorrow.

[Learn more about LEED for Cities and Communities.](#)











# 17 Sustainable Development Goals



# Goal 1: No Poverty

## End poverty in all its forms everywhere

LEED for Cities and Communities addresses poverty in three categories: Water Efficiency, Energy and GHG Emissions and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Water Efficiency	Water Access and Quality	 Water and sanitation access, 100% coverage of households
Energy and GHG Emissions	Power Access, Reliability and Resiliency	 Power access, 100% coverage of households
Quality of Life	Demographic Assessment	 Assessment and mapping of socio-economic and demographic conditions
	Quality of Life Performance	 Median gross rent as % of household income  Gini coefficient
	Trend Improvement	 Poverty rate  Living wage standard
	Housing and Transportation Affordability	 Comprehensive housing policy  Homelessness services  Housing and transportation costs

## LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.
- 1.2 By 2030, reduce at least by half the proportion of men, women, and children of all ages living in poverty in all its dimensions according to national definitions.
- 1.4 By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance.
- 1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters.

# Goal 2: Zero Hunger

## End hunger, achieve food security and improved nutrition and promote sustainable agriculture

LEED for Cities and Communities addresses hunger in two categories: Ecology and Natural Systems and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Ecology and Natural Systems	Ecosystem Assessment	Assessment and mapping of prime farmland, vegetation and habitat
	Natural Resources Conservation and Restoration	Natural resources plan that addresses agricultural land and food production
	Resilience Planning	Vulnerability assessment Resilience plan
Quality of Life	Demographic Assessment	Assessment and mapping of socio-economic conditions and demography
	Trend Improvement	Hypertension Obesity rate
	Distributional Equity	Access and proximity to healthful retail food outlets

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 2.1 By 2030, end hunger and ensure access by all people, in particular the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round
- 2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality

# Goal 3: Good Health and Well-Being

## Ensure healthy lives and promote well-being for all at all ages

LEED for Cities and Communities addresses health and well-being in two categories: Water Efficiency and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Water Efficiency	Water Access and Quality	<ul style="list-style-type: none"> <li>Water and sanitation access</li> <li>Drinking water quality</li> </ul>
Quality of Life	Demographic Assessment	<ul style="list-style-type: none"> <li>Assessment and mapping of socio-economic and demographic conditions</li> </ul>
	Quality of Life Performance	<ul style="list-style-type: none"> <li>Median air quality index</li> <li>Air quality days unhealthy for sensitive groups</li> <li>Violent crime</li> </ul>
	Trend Improvements	<ul style="list-style-type: none"> <li>Asthma rate</li> <li>Hypertension</li> <li>Obesity rate</li> </ul>
	Environmental Justice	<ul style="list-style-type: none"> <li>Reduce risk and exposure to environmental justice conditions</li> </ul>

## LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 3.4 By 2030, reduce by one-third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being
- 3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination

# Goal 4: Quality Education

**Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all**

LEED for Cities and Communities addresses education in one category: Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Quality of Life	Demographic Assessment	<div></div> Assessment and mapping of socio-economic and demographic conditions
	Quality of Life Performance	<div></div> Population with high school degree <div></div> Population with bachelor's degree
	Trend Improvements	<div></div> Population with high school degree <div></div> Graduation rate
	Distributional Equity	<div></div> Equitable workforce mobility <div></div> Graduation rate equity <div></div> Access and proximity (schools)









**LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:**

- 4.1 By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes
- 4.3 By 2030, ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including university
- 4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship
- 4.5 By 2030, eliminate gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations

# Goal 5: Gender Equality

## Achieve gender equality and empower all women and girls

LEED for Cities and Communities addresses gender in one category: Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Quality of Life	Demographic Assessment	 Assessment and mapping of socio-economic and demographic conditions
	Distributional Equity	 Equitable per capita income  Equitable workforce mobility  Graduation rate equity  Equitable employment
	Civil and Human Rights	 Anti-discrimination policy-based mission statement  Voting rights  Local officer or commission on human rights

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 5.1 End all forms of discrimination against all women and girls everywhere
- 5.5 Ensure women's full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life

# Goal 6: Clean Water and Sanitation

## Ensure availability and sustainable management of water and sanitation for all

LEED for Cities and Communities addresses clean water and sanitation in two categories: Ecology and Natural Systems and Water Efficiency.

LEED Category	Prerequisite/Credit	Metric
Ecology and Natural Systems	Ecosystem Assessment	<ul style="list-style-type: none"> <li>Assessment and mapping of hydrology and aquatic ecosystems</li> </ul>
	Natural Resources Conservation and Restoration	<ul style="list-style-type: none"> <li>Natural resources plan that addresses aquatic ecosystems</li> </ul>
Water Efficiency	Water Access and Quality	<ul style="list-style-type: none"> <li>Water and sanitation access</li> <li>Drinking water quality</li> <li>Treated wastewater quality</li> <li>Stormwater quality</li> </ul>
	Water Performance	<ul style="list-style-type: none"> <li>Per capita domestic water consumption</li> </ul>
	Integrated Water Management	<ul style="list-style-type: none"> <li>Water availability assessment; water demand; water supply</li> </ul>
	Stormwater Management	<ul style="list-style-type: none"> <li>Flooding incidences</li> <li>Green stormwater infrastructure</li> </ul>
	Smart Water Systems	<ul style="list-style-type: none"> <li>Water audit</li> <li>Water audit and automation</li> </ul>

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 6.1 By 2030, achieve universal and equitable access to safe and affordable drinking water for all
- 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping, and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally
- 6.4 By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity
- 6.5 By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate
- 6.6 By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

# Goal 7: Affordable and Clean Energy

## Ensure access to affordable, reliable, sustainable and modern energy for all

LEED for Cities and Communities addresses affordable and clean energy in two categories: Transportation and Land Use and Energy and GHG Emissions.

LEED Category	Prerequisite/Credit	Metric
Transportation and Land Use	Alternative Fuel Vehicles	<ul style="list-style-type: none"> <li>Electric vehicle charging facilities</li> <li>Alternative fuel stations</li> </ul>
Energy and GHG Emissions	Power Access, Reliability and Resiliency	<ul style="list-style-type: none"> <li>Access</li> <li>Reliability performance monitoring</li> <li>Power surety and resiliency</li> </ul>
	Energy and GHG Performance	<ul style="list-style-type: none"> <li>GHG emissions per capita</li> </ul>
	Energy Efficiency	<ul style="list-style-type: none"> <li>Street lighting and public area lighting</li> <li>Water and wastewater</li> <li>District energy system</li> </ul>
	Renewable Energy	<ul style="list-style-type: none"> <li>Renewable energy procurement</li> </ul>
	Low Carbon Economy	<ul style="list-style-type: none"> <li>GHG intensity</li> <li>Reduction in carbon intensity</li> </ul>
	Grid Harmonization	<ul style="list-style-type: none"> <li>Load management</li> <li>Demand response</li> <li>Net metering and interconnection policy</li> </ul>

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 7.1 By 2030, ensure universal access to affordable, reliable and modern energy services
- 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix
- 7.3 By 2030, double the global rate of improvement in energy efficiency
- 7.A By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology

# Goal 8: Decent Work and Economic Growth

**Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all**

LEED for Cities and Communities addresses decent work and economic growth in three categories: Energy and GHG Emissions, Materials and Resources and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Energy and GHG Emissions	Low Carbon Economy	<div> <div></div> <div>Reduction in carbon intensity</div> </div>
Materials and Resources	Material Recovery	<div> <div></div> <div>Extended producer responsibility</div> <div></div> <div>Non-recyclable waste generation reporting</div> </div>
Quality of Life	Quality of Life Performance	<div> <div></div> <div>Median household income</div> <div></div> <div>Unemployment rate</div> </div>
	Trend Improvements	<div> <div></div> <div>Number of small businesses</div> <div></div> <div>Unemployment rate</div> <div></div> <div>Percentage of household incomes meeting living wage standard</div> </div>
	Distributional Equity	<div> <div></div> <div>Equitable per capita income</div> <div></div> <div>Equitable employment</div> </div>

**LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:**

- 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high value added and labor-intensive sectors
- 8.3 Promote development-oriented policies that support productive activities, decent job creation, entrepreneurship, creativity and innovation, and encourage the formalization and growth of micro-, small- and medium-sized enterprises, including through access to financial services
- 8.4 Improve progressively, through 2030, global resource efficiency in consumption and production and endeavor to decouple economic growth from environmental degradation, in accordance with the 10-year framework of programs on sustainable consumption and production, with developed countries taking the lead
- 8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value

# Goal 9: Industry Innovation and Infrastructure

## Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

LEED for Cities and Communities addresses industry innovation and infrastructure in four categories: Transportation and Land Use, Energy and GHG Emissions, Materials and Resources and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Transportation and Land Use	Access to Quality Transit	🏠 Intermodal connectivity
	Alternative Fuel Vehicles	🏠 Electric vehicle charging stations 🏠 Alternative fuel stations
	Smart Mobility and Transportation Policy	🏠 Community-wide smart and efficient transportation solutions or policies
Energy and GHG Emissions	Energy and GHG Performance	🏠 GHG emissions per capita
	Energy Efficiency	🏠 Street lighting 🏠 Water and wastewater 🏠 District energy systems
	Renewable Energy	🏠 Renewable energy procurement
	Low Carbon Economy	🏠 Reduction in carbon intensity
Materials and Resources	Responsible Sourcing for Infrastructure	🏠 Use of products and materials that have been sourced responsibly
	Smart Waste Management Systems	🏠 Pneumatic transport systems 🏠 Smart bins and route optimization
Quality of Life	Trend Improvement	🏠 Small businesses

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
- 9.3 Increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets
- 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities

# Goal 10: Reduced Inequalities

## Reduce inequality within and among countries

LEED for Cities and Communities addresses reduced inequalities in one category: Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Quality of Life	Demographic Assessment	<ul style="list-style-type: none"> <li>Assessment and mapping of socio-economic and demographic conditions</li> </ul>
	Quality of Life Performance	<ul style="list-style-type: none"> <li>Median household income</li> <li>Gini coefficient</li> </ul>
	Trend Improvements	<ul style="list-style-type: none"> <li>Poverty rate</li> <li>Percentage of HH incomes meeting living wage</li> </ul>
	Distributional Equity	<ul style="list-style-type: none"> <li>Equitable per capita income</li> <li>Equitable workforce mobility</li> <li>Graduation rate equity</li> <li>Equitable employment</li> <li>Access and proximity</li> </ul>
	Civil and Human Rights	<ul style="list-style-type: none"> <li>Anti-discrimination policy-based mission statement</li> <li>Voting rights</li> <li>Local officer or commission on human rights</li> </ul>

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 10.1 By 2030, progressively achieve and sustain income growth of the bottom 40 percent of the population at a rate higher than the national average
- 10.2 By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status
- 10.3 Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices and promoting appropriate legislation, policies and action in this regard
- 10.4 Adopt policies, especially fiscal, wage and social protection policies, and progressively achieve greater equality

# Goal 11: Sustainable Cities and Communities

## Make cities and human settlements inclusive, safe, resilient and sustainable

LEED for Cities and Communities addresses sustainable cities and communities in six categories: Integrative Process, Ecology and Natural Systems, Transportation and Land Use, Energy and GHG Emissions, Materials and Resources and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Integrative Process	Integrative Planning and Leadership	<ul style="list-style-type: none"> <li>Convene diverse stakeholders</li> <li>Goal setting and roadmap development</li> <li>Comprehensive planning</li> </ul>
	Green Building Policy and Incentives	<ul style="list-style-type: none"> <li>Green building policy</li> <li>Building performance disclosure</li> </ul>
Ecology and Natural Systems	Natural Resources Conservation and Restoration	<ul style="list-style-type: none"> <li>Natural resources planning</li> </ul>
	Green Spaces	<ul style="list-style-type: none"> <li>Access to green spaces for all</li> </ul>
	Resilience Planning	<ul style="list-style-type: none"> <li>Vulnerability assessment</li> <li>Resilience planning</li> </ul>
Transportation and Land Use	Transportation Performance	<ul style="list-style-type: none"> <li>Vehicle miles traveled per capita</li> </ul>
	Compact, Mixed Use and Transit Oriented Development	<ul style="list-style-type: none"> <li>Identify compact, complete centers</li> <li>Demonstrate access to transit and diverse uses</li> </ul>
	Access to Quality Transit	<ul style="list-style-type: none"> <li>Mode split</li> <li>Quality of transit facilities</li> <li>Intermodal connectivity</li> <li>Frequency of trips</li> </ul>
	Alternative Fuel Vehicles	<ul style="list-style-type: none"> <li>Electric vehicle charging stations</li> <li>Alternative fuel stations</li> </ul>
	Smart Mobility and Transportation Policy	<ul style="list-style-type: none"> <li>Community-wide smart and efficient transportation solutions or policies</li> </ul>
	High Priority Site	<ul style="list-style-type: none"> <li>Historic preservation</li> <li>High priority sites and locations</li> </ul>
Energy and GHG Emissions	Power Access, Reliability and Resiliency	<ul style="list-style-type: none"> <li>Access to power for all</li> <li>Performance monitoring</li> <li>Power surety and resiliency</li> </ul>
Materials and Resources	Solid Waste Management	<ul style="list-style-type: none"> <li>Access to solid waste management</li> <li>Solid waste management plan</li> </ul>
	Waste Performance	<ul style="list-style-type: none"> <li>Municipal solid waste generated</li> <li>Municipal solid waste diverted</li> </ul>

	Special Waste Streams Management	<div></div> <div></div> <div></div> Waste generated and diverted through special waste streams
Quality of Life	Demographic Assessment	<div></div> <div></div> <div></div> Assessment and mapping of socio-economic and demographic conditions
	Quality of Life Performance	<div></div> <div></div> <div></div> Median gross rent Gini coefficient Air quality index
	Distributional Equity	<div></div> <div></div> <div></div> <div></div> Equitable per capita income Equitable workforce mobility Graduation rate equity Equitable employment
	Environmental Justice	<div></div> <div></div> <div></div> Reduce risk and exposure to environmental justice conditions
	Housing and Transportation Affordability	<div></div> <div></div> <div></div> <div></div> Homelessness services Comprehensive housing policy Housing and transportation costs by household
	Civic and Community Engagement	<div></div> <div></div> <div></div> <div></div> <div></div> Public engagement Diverse boards and commissions Positive impact on community survey Neighborhood cohesion survey











**LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:**

- 11.1 By 2030, ensure access for all to adequate, safe and affordable housing and basic services and upgrade slums
- 11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons
- 11.3 By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries
- 11.4 Strengthen efforts to protect and safeguard the world's cultural and natural heritage
- 11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations
- 11.6 By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management
- 11.7 By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities
- 11.A Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning
- 11.B By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels
- 11.C Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials

# Goal 12: Responsible Consumption and Production

## Ensure sustainable consumption and production patterns

LEED for Cities and Communities addresses responsible consumption and production in two categories: Energy and GHG Emissions and Materials and Resources.

LEED Category	Prerequisite/Credit	Metric
Energy and GHG Emissions	Low Carbon Economy	 Reduction in carbon intensity
Materials and Resources	Solid Waste Management	 Access to solid waste services  Solid waste management plan  C&D diversion
	Waste Performance	 Municipal solid waste generated  Municipal solid waste diverted
	Special Waste Streams Management	 Waste generated and diverted through special waste streams
	Responsible Sourcing for Infrastructure	 Use of products and materials that have been sourced responsibly
	Material Recovery	 Extended producer responsibility  Non-recyclable waste generation reporting

## LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 12.2 By 2030, achieve the sustainable management and efficient use of natural resources
- 12.3 By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses
- 12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment
- 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse
- 12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle
- 12.A Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production
- 12.C Rationalize inefficient fossil-fuel subsidies that encourage wasteful consumption by removing market distortions, in accordance with national circumstances, including by restructuring taxation and phasing out those harmful subsidies, where they exist, to reflect their environmental impacts, taking fully into account the specific needs and conditions of developing countries and minimizing the possible adverse impacts on their development in a manner that protects the poor and the affected communities

# Goal 13: Climate Action

## Take urgent action to combat climate change and its impacts

LEED for Cities and Communities addresses climate action in five categories: Integrative Process, Ecology and Natural Systems, Water Efficiency, Energy and GHG Emissions, and Materials and Resources.

LEED Category	Prerequisite/Credit	Metric
Integrative Process	Green Building Policy and Incentives	<ul style="list-style-type: none"> <li>Green building policy</li> <li>Benchmarking ordinance</li> </ul>
Ecology and Natural Systems	Resilience Planning	<ul style="list-style-type: none"> <li>Resilience plan can include climate adaptation and mitigation planning element</li> </ul>
Water Efficiency	Smart Water Systems	<ul style="list-style-type: none"> <li>Water audit and automation</li> </ul>
Energy and GHG Emissions	Power Access, Reliability and Resiliency	<ul style="list-style-type: none"> <li>Access, reliability monitoring and power surety and resiliency</li> </ul>
	Energy and GHG Performance	<ul style="list-style-type: none"> <li>GHG emissions per capita</li> </ul>
	Energy Efficiency	<ul style="list-style-type: none"> <li>Street lighting</li> <li>Water and wastewater</li> <li>District energy systems</li> </ul>
	Renewable Energy	<ul style="list-style-type: none"> <li>Renewable energy procurement</li> </ul>
Materials and Resources	Smart Waste Management Systems	<ul style="list-style-type: none"> <li>Pneumatic transport systems</li> <li>Smart bins and route optimization</li> </ul>

## LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries
- 13.2 Integrate climate change measures into national policies, strategies and planning

# Goal 14: Life Below Water

## Conserve and sustainably use the oceans, seas and marine resources for sustainable development

LEED for Cities and Communities addresses life below water in two categories: Ecology and Natural Systems and Water Efficiency.

LEED Category	Prerequisite/Credit	Metric
Ecology and Natural Systems	Ecosystem Assessment	Assessment and mapping of natural systems
	Natural Resources Conservation and Restoration	Natural resources plan
	Resilience Planning	Vulnerability assessment Resilience plan
Water Efficiency	Water Access and Quality	Treated wastewater quality Stormwater quality
	Stormwater Management	Green stormwater infrastructure

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution
- 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans
- 14.5 By 2020, conserve at least 10 percent of coastal and marine areas, consistent with national and international law and based on the best available scientific information
- 14.7 By 2030, increase the economic benefits to Small Island developing States and least developed countries from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture and tourism

# Goal 15: Life on Land

**Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss**

LEED for Cities and Communities addresses life on land in two categories: Ecology and Natural Systems and Water Efficiency.

LEED Category	Prerequisite/Credit	Metric
Ecology and Natural Systems	Ecosystem Assessment	Assessment and mapping of natural systems
	Green Spaces	Access to green spaces
	Natural Resources Conservation and Restoration	Natural resource acreage Natural resources planning
Water Efficiency	Stormwater Management	Green stormwater infrastructure

**LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:**

- 15.1 By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements
- 15.2 By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally
- 15.3 By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world
- 15.4 By 2030, ensure the conservation of mountain ecosystems, including their biodiversity, in order to enhance their capacity to provide benefits that are essential for sustainable development
- 15.5 Take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, by 2020, protect and prevent the extinction of threatened species
- 15.6 Promote fair and equitable sharing of the benefits arising from the utilization of genetic resources and promote appropriate access to such resources, as internationally agreed
- 15.8 By 2020, introduce measures to prevent the introduction and significantly reduce the impact of invasive alien species on land and water ecosystems and control or eradicate the priority species
- 15.9 By 2020, integrate ecosystem and biodiversity values into national and local planning, development processes, poverty reduction strategies and accounts

# Goal 16: Peace, Justice, and Strong Institutions

**Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels**

LEED for Cities and Communities addresses peace, justice and strong institutions in two categories: Integrative Process and Quality of Life.

LEED Category	Prerequisite/Credit	Metric
Integrative Process	Integrative Planning and Leadership	<ul style="list-style-type: none"> <li>LEED for Cities and Communities team</li> <li>Roadmap development</li> <li>Comprehensive plan</li> <li>Stakeholder engagement</li> </ul>
Quality of Life	Quality of Life Performance	Violent Crime
	Trend Improvement	Violent Crime Rate
	Civil and Human Rights	<ul style="list-style-type: none"> <li>Voting rights</li> <li>Community policing and procedural justice</li> <li>Local officer or commission on human rights</li> </ul>
	Civic and Community Engagement	Diversity reflected on appointed boards and commissions

LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 16.1 Significantly reduce all forms of violence and related death rates everywhere
- 16.7 Ensure responsive, inclusive, participatory and representative decision-making at all levels
- 16.B Promote and enforce non-discriminatory laws and policies for sustainable development

# Goal 17: Partnerships for the Goals

## Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

LEED for Cities and Communities addresses partnerships for the goals in six categories: Integrative Process, Transportation and Land Use, Water Efficiency, Quality of Life, Innovation and Regional Priorities.

LEED Category	Prerequisite/Credit	Metric
Integrative Process	Integrative Planning and Leadership	☞ Stakeholder engagement
Transportation and Land Use	Smart Mobility and Transportation Policy	☞ Community-wide smart and efficient transportation solutions or policies
Water Efficiency	Smart Water Systems	☞ Water audit and automation
Quality of Life	Demographic Assessment	☞ Assessment and mapping of socio-economic and demographic conditions
Innovation	Innovation	☞ Varies
Regional Priorities	Regional Priorities	☞ Varies

### LEED for Cities and Communities aligns with the following Sustainable Development Goal targets:

- 17.6 Enhance North-South, South-South and triangular regional and international cooperation on and access to science, technology and innovation and enhance knowledge sharing on mutually agreed terms, including through improved coordination among existing mechanisms, in particular at the United Nations level, and through a global technology facilitation mechanism
- 17.7 Promote the development, transfer, dissemination and diffusion of environmentally sound technologies to developing countries on favorable terms, including on concessional and preferential terms, as mutually agreed
- 17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships
- 17.18 By 2020, enhance capacity-building support to developing countries, including for least developed countries and small island developing States, to increase significantly the availability of high-quality, timely and reliable data disaggregated by income, gender, age, race, ethnicity, migratory status, disability, geographic location and other characteristics relevant in national contexts





### Implementation Progress

**SDGs Icons. Downloads and guidelines**

## History

The SDGs build on decades of work by countries and the UN, including the [UN Department of Economic and Social Affairs](#)

- In June 1992, at the [Earth Summit](#) in Rio de Janeiro, Brazil, more than 178 countries adopted [Agenda 21](#), a comprehensive plan of action to build a global partnership for sustainable development to improve human lives and protect the environment.
- Member States unanimously adopted the Millennium Declaration at the [Millennium Summit](#) in September 2000 at UN Headquarters in New York. The Summit led to the elaboration of eight [Millennium Development Goals \(MDGs\)](#) to reduce extreme poverty by 2015.
- The Johannesburg Declaration on Sustainable Development and the Plan of Implementation, adopted at the [World Summit on Sustainable Development](#) in South Africa in 2002, reaffirmed the global community's commitments to poverty eradication and the environment, and built on Agenda 21 and the Millennium Declaration by including more emphasis on multilateral partnerships.
- At the [United Nations Conference on Sustainable Development \(Rio+20\)](#) in Rio de Janeiro, Brazil, in June 2012, Member States adopted the outcome document "[The Future We Want](#)" in which they decided, inter alia, to launch a process to develop a set of SDGs to build upon the MDGs and to establish the [UN High-level Political Forum on Sustainable Development](#). The Rio +20 outcome also contained other measures for implementing sustainable development, including mandates for future programmes of work in development financing, small island developing states and more.
- In 2013, the General Assembly set up a 30-member [Open Working Group](#) to develop a proposal on the SDGs.
- In January 2015, the General Assembly began the negotiation process on the [post-2015 development agenda](#). The process culminated in the subsequent adoption of the [2030 Agenda for Sustainable Development](#), with [17 SDGs](#) at its core, at the [UN Sustainable Development Summit](#) in September 2015.
- 2015 was a landmark year for multilateralism and international policy shaping, with the adoption of several major agreements:
  - [Sendai Framework for Disaster Risk Reduction](#) (March 2015)
  - [Addis Ababa Action Agenda on Financing for Development](#) (July 2015)
  - [Transforming our world: the 2030 Agenda for Sustainable Development](#) with its 17 SDGs was adopted at the [UN Sustainable Development Summit](#) in New York in September 2015.
  - [Paris Agreement on Climate Change](#) (December 2015)
- Now, the annual [High-level Political Forum on Sustainable Development](#) serves as the central UN platform for the follow-up and review of the SDGs.

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## Implementation Progress

Please, check below information about the SDG Progress Report:

- Please, check here for information about SDG indicators and reports: <https://unstats.un.org/sdgs/>

Additionally, the **Global Sustainable Development Report** is produced once every four years to inform the quadrennial SDG review deliberations at the General Assembly. It is written by an Independent Group of Scientists appointed by the Secretary-General.

- Global Sustainable Development Report (2019)
- Global Sustainable Development Report (2023)

## SDGs Icons. Downloads and guidelines.

- Download SDGs icons according to guidelines at [this link](#).
- Please send inquiries to:  
United Nations Department of Global Communications