Architecture 2030 Goals

- **Zero carbon** emissions for all new buildings operations as soon as possible *and no later than 2030.*
- A **50% reduction** in embodied carbon for all new buildings, infrastructure, and major renovations as soon as possible *and no later than 2030.*
- A **50% building operations reduction** for all existing buildings as soon as possible *and no later than 2030.*

Architecture 2030 Collaborations

Architecture 2030 accomplishes its mission through research and development of practical solutions, and dissemination of those solutions via networks, outreach, and targeted market engagement. The building sector is large and complex. Any transformative change requires the alignment of a variety of influential stakeholders with access to decision makers. Architecture 2030 has partnered with industry organizations, member-based NGO's, academic institutions, city networks, and private sector leaders to advance the decarbonization of the built environment at scale.

AIA 2030 COMMITMENT

To support the 2030 Challenge, AIA created the 2030 Commitment—a national framework with simple metrics and a standardized reporting format—to provide a structure for tracking progress and help design firms meet the challenge. Over 400 A/E/P firms have adopted the 2030 Commitment and firms have been tracking and reporting projects since 2010, with over 2.6 billion sq ft of project work reported in 2015 alone.

> Learn more about the AIA 2030 Commitment

> Sign the AIA 2030 Commitment

The China Exploration and Design Association – Architecture Branch (CEDAAB) and Architecture 2030, facilitated the the signing of the China Accord – a commitment to plan and design cities, towns, developments, and buildings in China to low carbon/carbon neutral standards. 62 key Chinese and international architecture and planning firms have signed the Accord.

> Learn more about the China Accord

Architecture 2030 Collaborations

Architecture 2030 and the International Finance Corporation (IFC), a member of the World Bank Group, have partnered to support the international architecture and building community in designing zero net carbon (ZNC) buildings worldwide.

> Learn more about the EDGE Zero Net Carbon certification

Architecture 2030 joins WorldGBC as the lead partner in a new project, Advancing Net Zero, to deliver net zero carbon building certification pathways worldwide.

> Learn more about Advancing Net Zero

The Embodied Carbon Network, co-run by Architecture 2030 and the Carbon Leadership Forum, is a collective group of individuals within nine taskforces committed to designing embodied and operational carbon out of new and renovated buildings to achieve a carbon neutral built environment by 2050.

> Learn more about the Embodied Carbon Network

Architecture 2030 Collaborations

Architecture 2030 and the Carbon Leadership Forum, an industry-academic collaboration hosted at the University of Washington, co-launched the Embodied Carbon Network (ECN) – a grassroots initiative that now includes over 280 professionals from across the world, representing 90 cities, 11 countries, and 28 US states.

> Learn more about the Carbon Leadership Forum

The 2030 Districts Network, founded by Architecture 2030 and now independent organization, has a membership of 18 high performance urban building districts across North America. 2030 Districts are led by the private sector, with local building industry leaders uniting around a shared vision for sustainability and economic growth – while aligning with local community groups and government to achieve significant energy, water, and emissions reductions within our commercial cores.

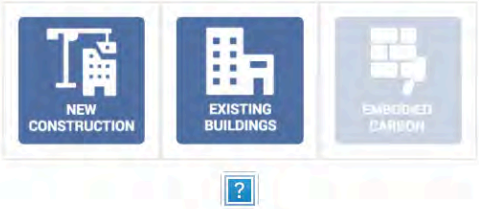
> Learn more about the 2030 Districts

Architecture 2030

AIA online series™ + 2030™

The building sector is the single largest consumer of energy and producer of greenhouse gas emissions. This 10-course series, available on AIAU, will inspire architects to meet the 2030 Challenge through design strategies, efficient technologies and systems, and applying renewable energy resources.

> Access the AIA+2030 Online Series



2030 PALETTE

The 2030 Palette is a free online resource for the design of zero-net-carbon, adaptable, and resilient built environments world wide. The database contains sustainable strategies for all scales of design, from building scale to regional scale.

> Explore the 2030 Palette

CARBON SMART MATERIALS PALETTE™

The Carbon Smart Materials Palette is an immediately applicable high-impact pathway to embodied carbon reductions, providing attribute-based guidelines for designing low/no embodied carbon buildings and specifying low/no embodied carbon products.

> Launch the Carbon Smart Materials Palette

Architecture 2030

ZERO CODE™

A national and international zero-carbon building standard that applies to commercial, institutional, and mid- to high-rise residential buildings. Designers can use the ZERO Code as a guide to design a Zero Net Carbon building.

> Learn more about the ZERO Code

EPD Quicksheet

To implement the effective use of EPDs, an expert stakeholder group, facilitated by Architecture 2030 and CannonDesign, has developed an open-standard EPD Quicksheet. Created by and for designers and engineers, the EPD Quicksheet aims to simplify the process of reading, comprehending, and using EPDs, increase transparency in the building products industry, and support building professionals in achieving 2030 Challenge for Products goals.

Resources – 2030 Palette

2030 PALETTE

REGION | CITY/TOWN | DISTRICT | SITE | BUILDING | MATERIAL

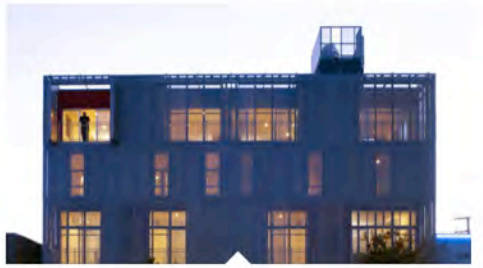
CITY/TOWN

HEAT ISLAND MITIGATION

NEW GROWTH AREAS

PARKS

URBAN BIKEWAYS



URBAN INFILL

URBAN RETROFIT

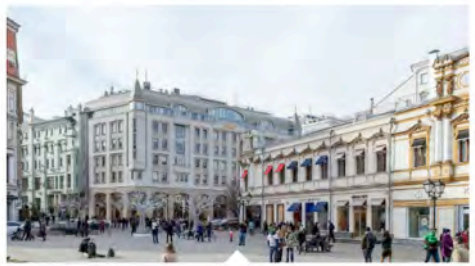
Resources – 2030 Palette

2030 PALETTE

REGION | CITY/TOWN | DISTRICT | SITE | BUILDING | MATERIAL

DISTRICT

COMPLETE STREETS



DISTRICT CENTERS

RESIDENTIAL DENSITIES

SHARED STREETS

STREET NETWORKS

STREET WIDTH AND ORIENTATION

TRANSIT-ORIENTED DEVELOPMENT

Resources – 2030 Palette

2030 PALETTE

PARKS

REGION | CITY/TOWN | DISTRICT | SITE | BUILDING | MATERIAL

Darling Quarter
ASPECT Studios
Darling Harbour, Sydney, New South Wales, Australia

Parks provide social, physical and recreational opportunities, as well as offer habitat for wildlife and biodiversity.

Locate smaller parks within short walking distances of the residences they serve. Larger parks serve entire cities, are bounded by public-rights of way and attached to other public uses such as schools and community centers.

Guidelines for parks:

- Small Parks – 250 m2 to 4,000 m2 (2,500 sf to one acre) within 400 meters (¼ mile) of housing;
- District Parks – 20,000 m2 to 40,000 m2 (5 to 10 acres) within 400 to 800 meters (¼ mile to ½ mile) of housing;
- City/Town Parks – 1/8 km2 to 1/5 km2 (30 to 50 acres) within 1 kilometer to 5 kilometers (½ mile to 3 miles) of various districts.

Create open space corridors and greenways that include walking, jogging, and bicycling paths connecting parks and residential areas to places where people work, shop or socialize.

2030 DISTRICTS NETWORK

SEARCH

Register | Login

DISTRICTS TOOLKITS MARKETPLACE NEWS CONTACT US ABOUT THE NETWORK BECOME A DISTRICT

BURLINGTON, VT

2030 Districts are designated urban areas committed to meeting the energy, water, and transportation emissions reduction targets of the 2030 Challenge for Planning.

8 MILLION SQUARE FEET

ALBUQUERQUE ANN ARBOR **BURLINGTON** CINCINNATI CLEVELAND DALLAS

DENVER DETROIT GRAND RAPIDS ITHACA PHILADELPHIA PITTSBURGH

PORTLAND SAN ANTONIO SAN DIEGO SAN FRANCISCO SEATTLE STAMFORD

TORONTO TUCSON

With over **480 MILLION SQUARE FEET** of commercial building space and over 1,100 member

2030 Districts Configuration

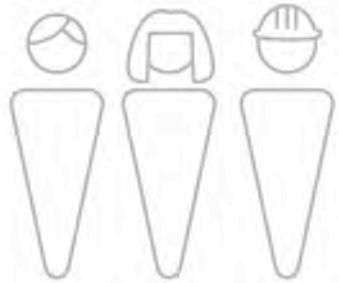
A Successful 2030 District is a **PRIVATE-PUBLIC PARTNERSHIP**, comprised of:

PROPERTY OWNERS AND MANAGERS

that own, manage, and/or develop real estate within a District boundary.

SERVICES STAKEHOLDERS

providing related services within a District boundary.

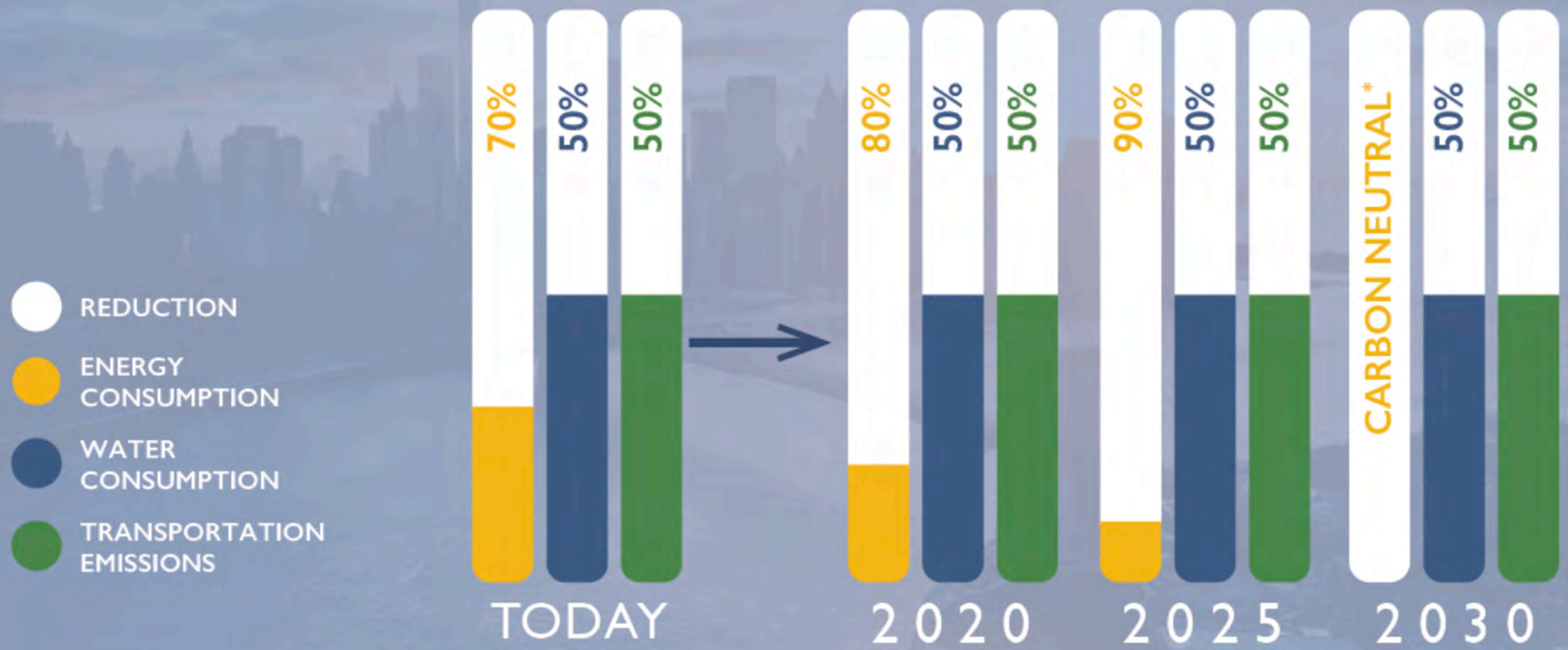


COMMUNITY STAKEHOLDERS

representing either non-profit organizations or local government.

THE 2030 CHALLENGE FOR PLANNING

NEW CONSTRUCTION & MAJOR RENOVATIONS



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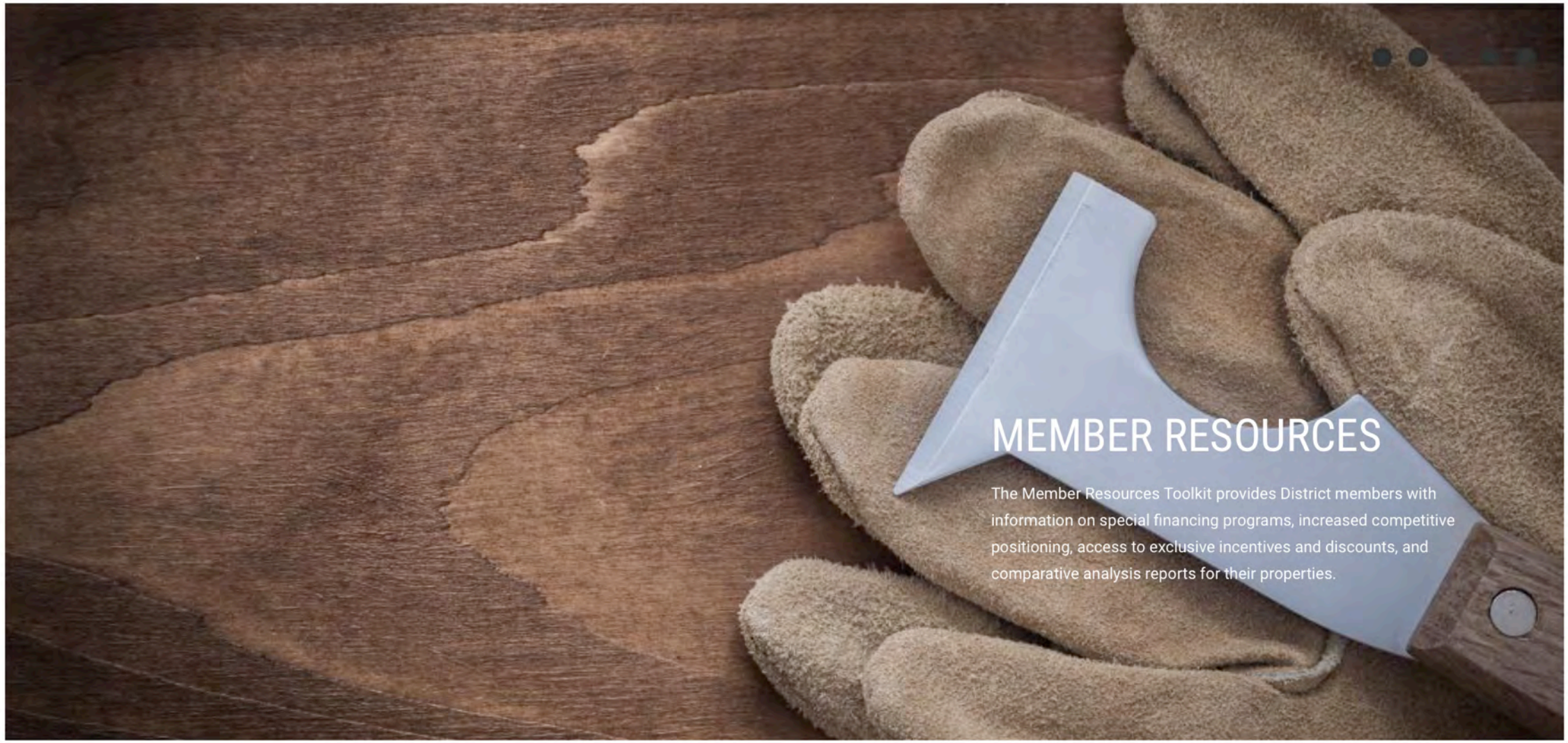
**Using no fossil fuel GHG-emitting energy to operate.*

DISTRICT FORMATION

The District Formation Toolkit explores the unique aspects of a 2030 District, how they differ from other aligned efforts, and the pathways to establishing a new 2030 District.



MEMBER RESOURCES

The Member Resources Toolkit provides District members with information on special financing programs, increased competitive positioning, access to exclusive incentives and discounts, and comparative analysis reports for their properties.

SMALL COMMERCIAL

The Small Commercial Toolkit is a technical tool developed to help small buildings owners gain valuable information on specific measures they can take to make energy improvements to their spaces.

PROJECT FINANCING

The Project Financing Toolkit provides valuable resources and information specific to available mechanisms for financing an energy efficiency project.