

PORTLAND

200

DISTRICT

Groundbreaking High-Performance Building District

Portland 2030 District - 10.26.17

Agenda/Discussion

- What is a 2030 District?
- 2030 Districts Network
- Resource Reduction Metrics
- O District Success
- Commitments/Benefits
- Network Programs/Affiliations
- Portland 2030 District Status

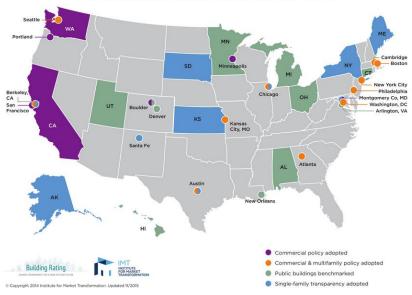


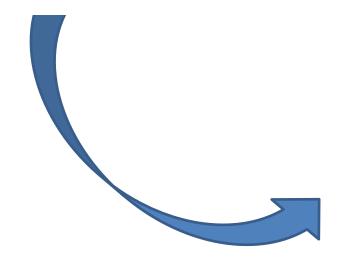


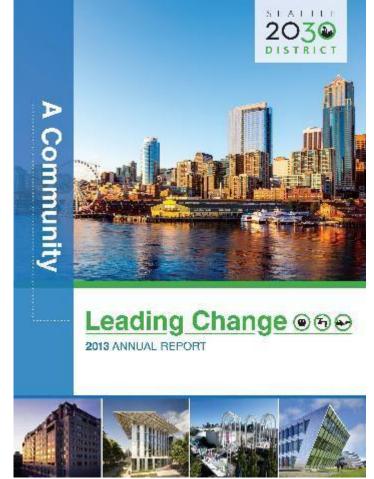
BENCHMARKING DASHBOARD 2014



U.S. Building Benchmarking and Transparency Policies

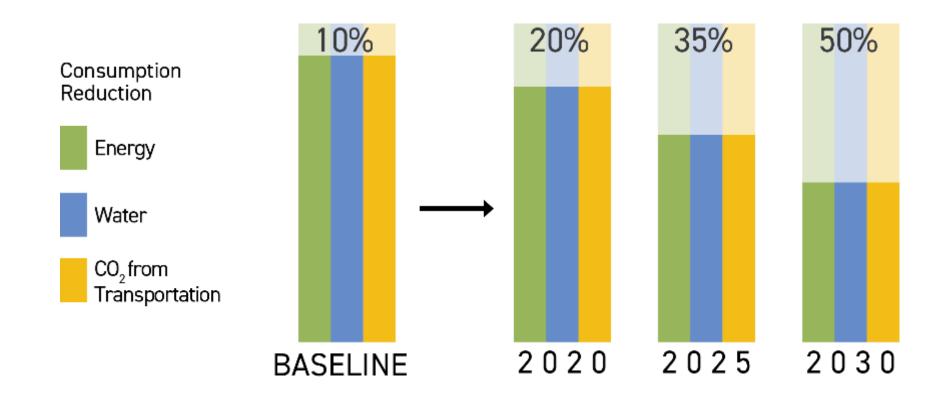














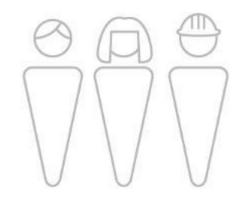
A Successful 2030 District is a PRIVATE-PUBLIC PARTNERSHIP, comprised of:



PROPERTY OWNERS,
MANAGERS,
DEVELOPERS,
INSTITUTIONAL
INVESTORS
within a District boundary



SERVICES
STAKEHOLDERS
providing related
services within a
District boundary

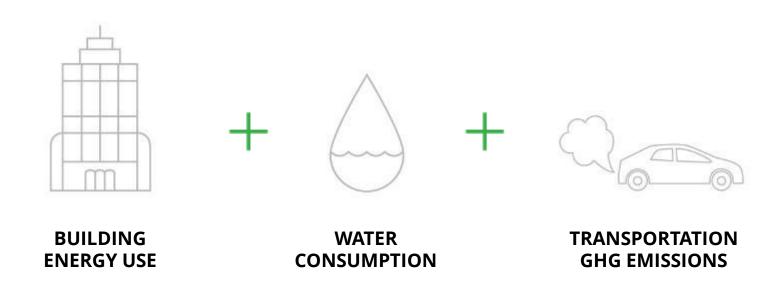


representing either non-profit organizations or local government

COMMUNITY



2030 Districts commit to reducing



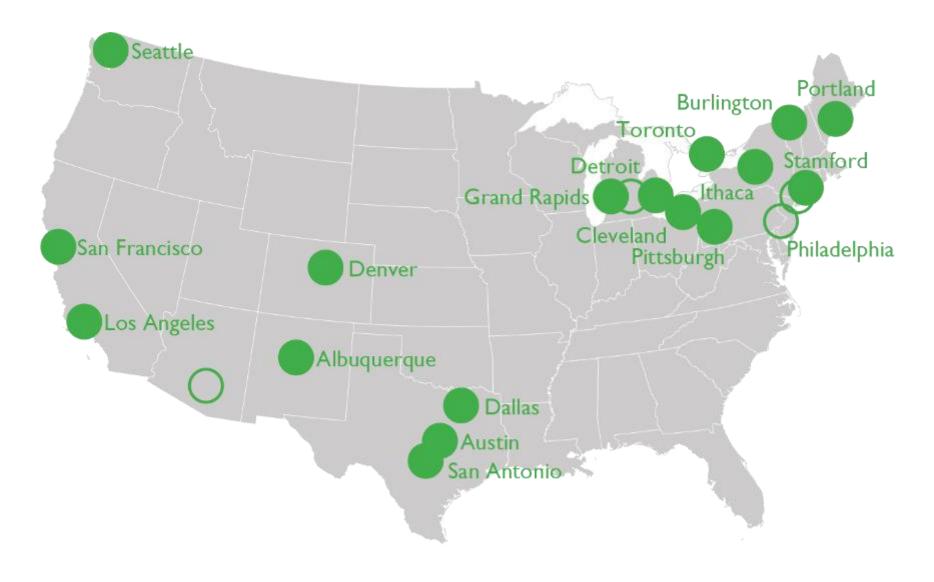
50% BY 2030 for EXISTING BUILDINGS CARBON NEUTRAL BY 2030 FOR NEW CONSTRUCTION



Unique private/public partnerships

- Property owners, managers and developers
- Local governments
- Business and community stakeholders
- Private Sector Led/Public Sector Supported
- Voluntary
- Common Mission and Goals
- Connected to Market Realities













Established Districts

- 18 Districts
- 1400 Buildings
- 390 Property Members
- 223 Professional Stakeholders
- 168 Community Stakeholders

Emerging Districts

- Ann Arbor
- NYC
- San Diego
- Tucson



Energy Consumption Baselines



STATEMENT OF ENERGY PERFORMANCE Seattle 2030 District Office Building

Building ID: 0000000

For 12-month Period Ending: April 1, 20111

Date SEP becomes ineligible: N/A Date SEP Generated: May 07, 2011

PortfolioManager™

Facility

Seattle 2030 District Office Building 2030 District Seattle, WA 98104

Year Built: 1987

Gross Floor Area (ft₂): 110,000

Energy Performance Rating₂ (1-100) 80

Site Energy Use Summary3

 Electricity - Grid Purchase(kBtu)
 5,539,625

 Natural Gas - (kBtu)4
 2,374,125

 Total Energy (kBtu)
 7,913,750

Energy Intensitys

Site (kBtu/ftz/yr) 72 Source (kBtu/ftz/yr) 191

Emissions (based on site energy use)

Greenhouse Gas Emissions (MtCO₂e/year) 762

Electric Distribution Utility

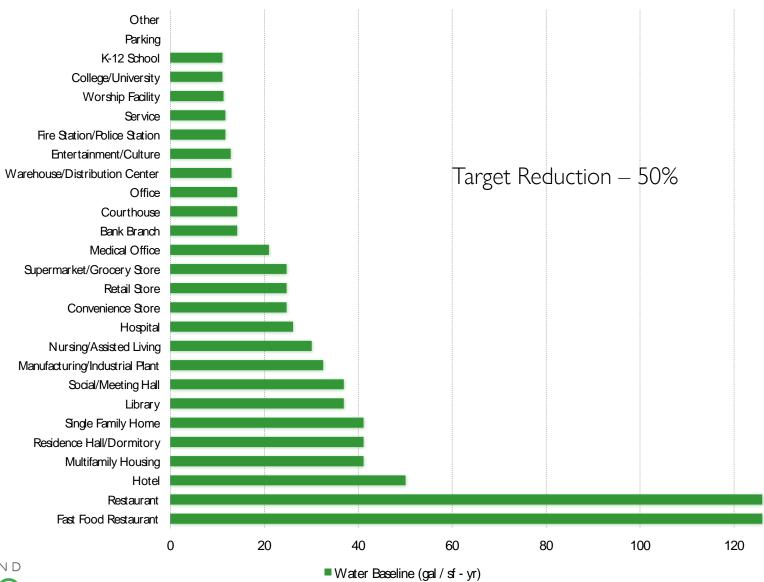
Seattle City Light

National Average Comparison

National Average Site EUI 103
National Average Source EUI 274
% Difference from National Average Source EUI -30%
Building Type Office



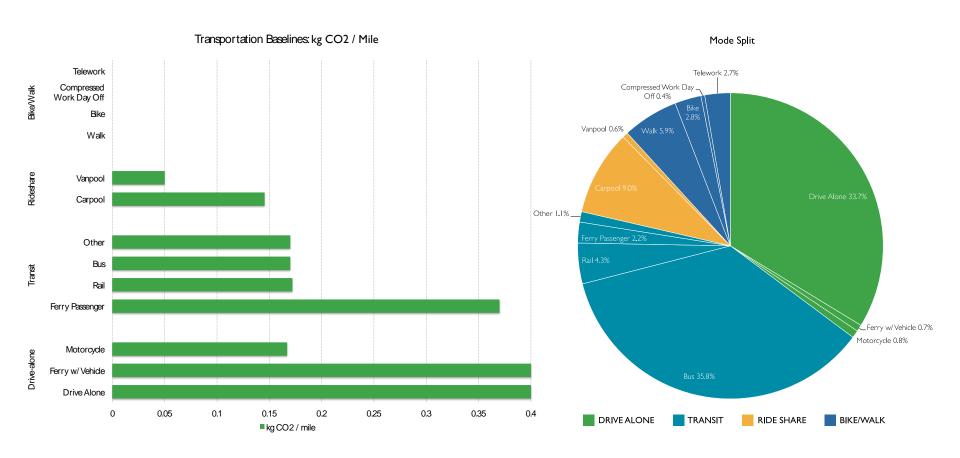
Water Consumption Baselines





Source: Seattle 2030 District, Seattle public Utilities, and the Partnership for Water Conservation

Commuter Transportation Baselines

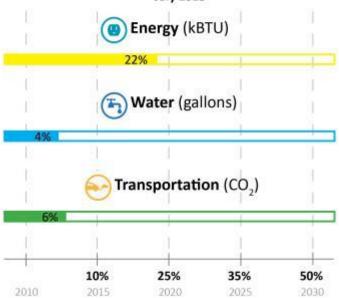




Source: The Gilmore Research Group and Commute Seattle. 2010 Center City Commuter Mode Split Survey Results. March 2011 Note: Mode-Spilt, Trips, and Total Miles are based on total weekday trips per mode.

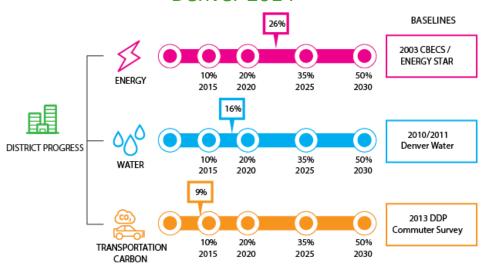
Seattle 2014

2030 District Progress So Far Shared Buildings Reductions July 2015



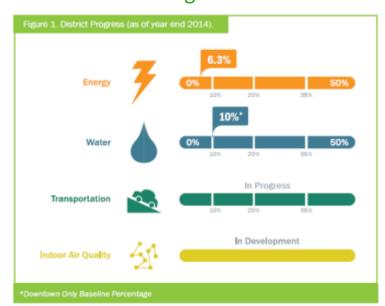


Denver 2014



2014 PROGRESS TOWARD GOALS

Pittsburgh 2014



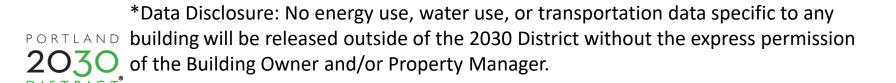
Member/Partner Commitments



Property Owner / Property Manager or Developer

Agree to support District performance goals by sharing:

- Building energy use, water use, and transportation data (confidentially*)
- Best practices and lessons learned for case studies
- Challenges in further improvements



Benefits For Building Owners, Managers and Developers



Utilize special Financing programs



Improve competitive positioning



Access exclusive incentives, discounts & programs



Receive comparative analysis reports



Efficiency Road Map



Car2Go



Wegowise Pro





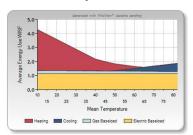


Facility Audits

Community Power Works Rebates and Financing



 $FirstView^{TM}$ Reports





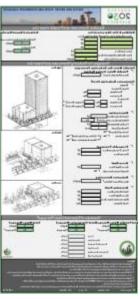
Smart Building and Energy

Solutions













2030
DISTRICT
DOWNTOWN - OAKLAND

Pittsburgh 2030 District Progress Report Reception

April 28th, 2016 4-6:30pm

David L. Lawrence Convention Center, Allegheny Overlook



Join us to learn about the progress in both Downtown and Oakland toward achieving the aggressive energy, water, and transportation emission reduction goals. Beer, wine, and lie served, followed by a formal presentation by the Pittsburgh 2030 District and County Exe

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SEATTLE 2030 DISTRICT LUNCH & LEARN

March 15th, 2016 12:00 to 1:00 PM - Brown Bag Event 901 5TH AVE BUILDING, 5TH FLOOR CONFERENCE ROOM



SAVE MONEY WITH GREEN INFRASTRUCTURE

Bring your lunch & learn about our new Green Stormwater Program and how Vulcan saved \$70,000 on the EMP Little Wing Office Building with green stormwater infrastructure (GSt). By incorporating rainwater harvesting and a green roof into new construction, the need for an additional stormwater connection and underground stormwater detention were eliminated from the project.

Introduction to Seattle 2030's Green Stormwater Program Army Waterman, MPS

Seattle 2030 Green Stormwater Program Manager

2030 Stormwater Calculator Planning Tool for GSI

er Calculator Meghan Feller, PE or GSI Hemera Environmental Consultanta

LITTLE WING CASE STUDY - EMP ADMINISTRATION BUILDING & GSI COST SAVINGS

Rainwater Harvesting

Dave Nehren, PE, LEED A.P. BD+C

Engineering/CAD Manager, Hermanson Company LLP

Green Roof Component

Andrea Saven, PLA, ASLA

Technical Director, Columbia Green Technologies





Dave Nehren



SEE YOU THERE!

2030

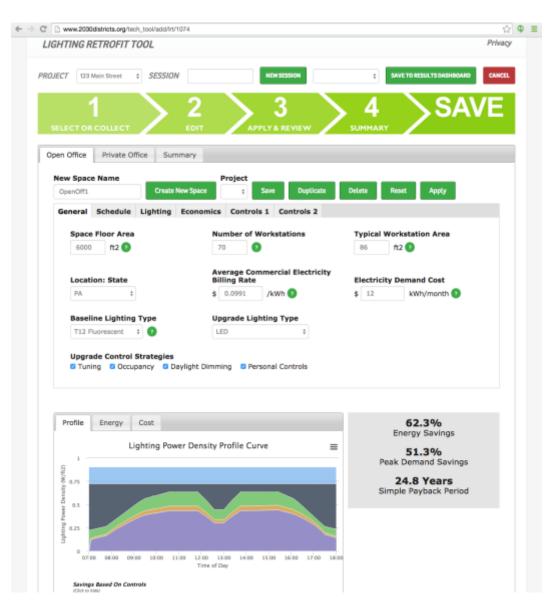
Small Commercial Program Tools











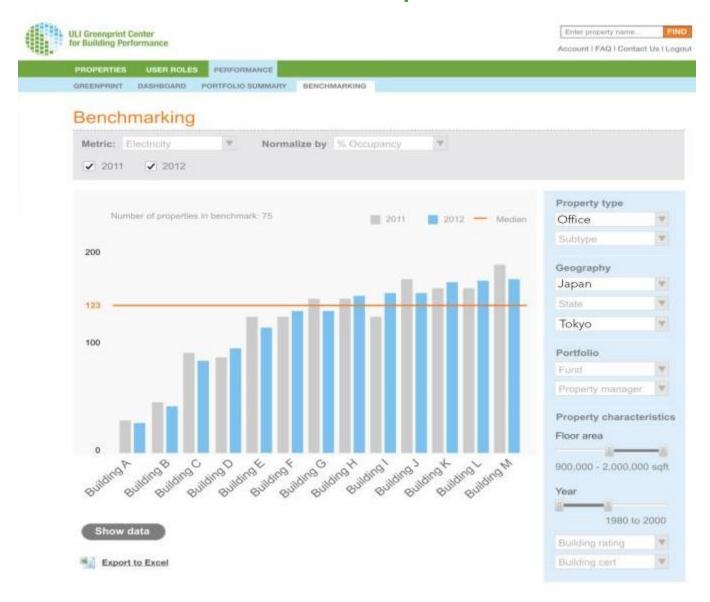


ULI Greenprint

Greenprint Members **AETOS CAPITAL** Equity Office INVESTMENT MANAGEMENT REAL ESTATE FIRST WASHINGTON AvalonBay COMMUNITIES, 195 REALTY, INC. MILLER CAPITAL ADVISORY, IN Greenprint Performance Report™ GID PARAMOUNT GROUP, INC. BEACON CAPITAL GI PARTNERS PARKWAY GLL PROLOGIS: Berkshire Granite Prudential BLACKROCK* Rudin Management Company, Inc. GROSVENOR Hines **▲** CalPERS SERRA SIERRA starwood CommonWealth Invesco THE ULI Greenprint Center for Building Performance JONES LANG TISHMAN SPEYER LASALLE DOWNTOWNDC

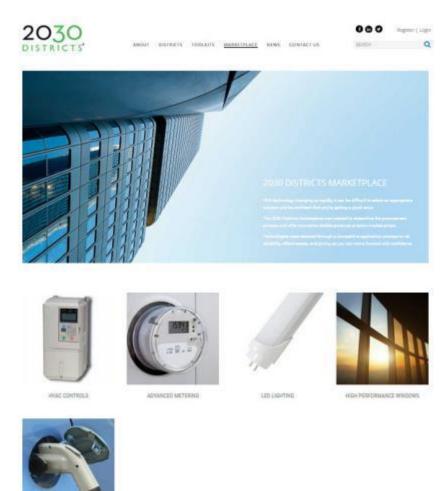


ULI Greenprint





2030 Districts Network Marketplace





SLECTRIC VEHICLE CHARGERS



Network Affiliations

- Architecture 2030
- The USDOE Better Buildings Challenge
- EcoDistricts
- Urban Land Institute Greenprint Center for Building Performance
- Institute for Real Estate Management (IREM)
- International Facilities Manager Association (IFMA)
- American Society of Heating, Refrigerating, and Air-conditioning Engineers (ASHRAE)
- American Institute of Architects (AIA)
- ICLEI Local Governments for Sustainability
- South Central Partnership for Energy Efficiency as a Resource (SPEER)



- Northwest Energy Efficiency Alliance (NEEA)
 - Midwest Energy Efficiency Alliance (MEEA)

2030 Districts Network

- District Formations Toolkit
- Member Resources Toolkit
- Small Commercial Toolkit
- Outreach and Communications Toolkit
- District Funding Toolkit
- Project Financing Toolkit
- Performance Metrics Toolkit

http://www.2030districts.org/toolkits



PORTLAND 2030 DISTRICT®

Official Members













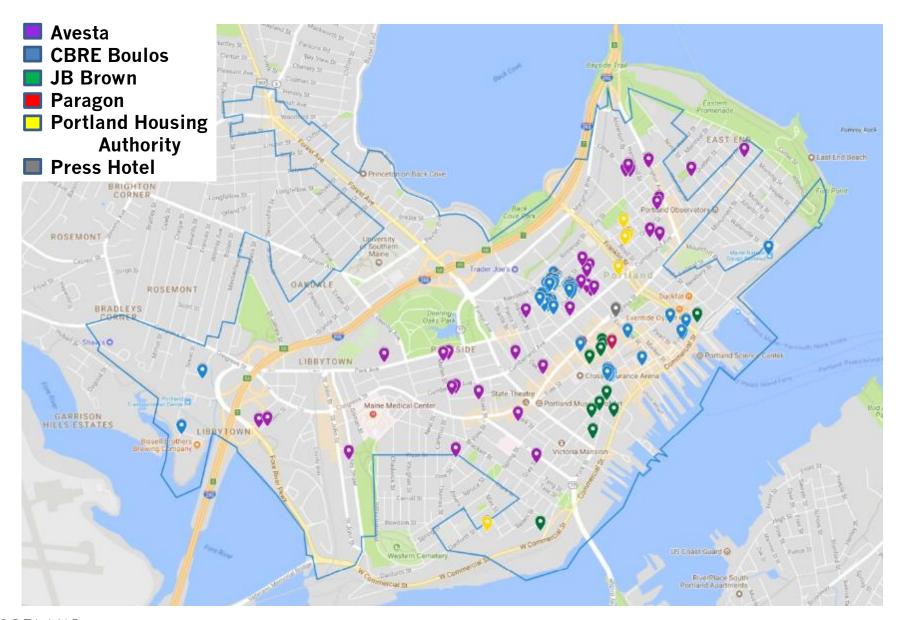


J.B. Brown & Sons





Part of the CBRE affiliate network





Website: http://www.2030districts.org/portland-maine

Portland 2030 District Accomplishments

- Formed Board of Directors Drew Swenson, Paragon, President
- Accepted as an official 2030 District 10/16
- Held several educational forums for property owners, managers and developers
 - Kick-off Luncheon at the Press Hotel
 - Financing Forum
 - Decision Making Forum
 - MEREDA Breakfast Forum Nov. 7th

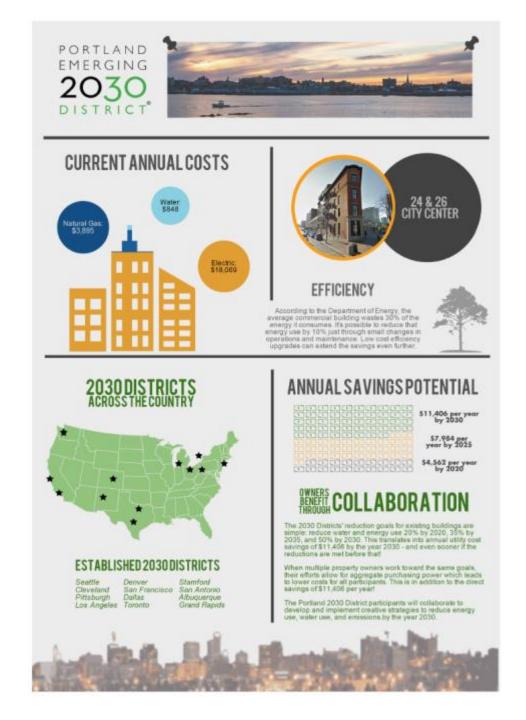


Portland 2030 District Accomplishments

- Transportation Baseline
- Energy Baseline
- Quarterly Email Updates
- Offering members free energy efficiency evaluations
- Working on expanding GPCOG cooperative purchasing to include 2030 District members
- Obtaining benchmarking data for 2030
 District members for use in Portfolio
 Manager/Greenprint

Member benchmarking:

Working with Efficiency Maine and CMP to obtain energy usage data





What do we need from you?

- Join as a Property Owner
 - Benchmark Buildings
 - Share building energy use, water use, and transportation data (confidentially*)
 - Support other owners
 - Help communicate importance of automatic data downloads from utilities



What do we need from you?

- Join as a Community Stakeholder
 - Support owners in their efforts to increase efficiency
 - Help communicate importance of these efforts to your constituents



What do we need from you?

- Join as a Professional Stakeholder
 - Support owners in their efforts to increase efficiency
 - Offer your services to District members
 - Develop relationships with committed companies who see the importance of the mission
 - Help communicate importance of these efforts to your constituents

