2030 District

Groundbreaking High-Performance Building Districts
2030 DISTRICTS

Unique private/public partnerships
- Property owners and managers
- Local governments
- Business and community stakeholders

2030 Districts are business models for urban sustainability through collaboration, leveraged financing, and shared resources.
Why Districts?

- Common Targets and Metrics
- Opportunities and Efficiencies of Scale
- Beacons of efficient resource practices, sound economic investments, and market leaders
Private/Public Partnerships

- Private Sector Led
- Public Sector Supported
- Voluntary
- Common Mission and Goals
- Connected to Market Realities
New Construction Goals

The 2030 Challenge for Planning: New Buildings & Major Renovations

Source: © 2011 2030, Inc. / Architecture 2030. All Rights Reserved.
*Using no fossil fuel GHG-emitting energy to operate.
Existing Building District-Wide Goals

The 2030 Challenge for Planning: Existing Buildings

Source: © 2011 2030, Inc. / Architecture 2030. All Rights Reserved.
STATEMENT OF ENERGY PERFORMANCE
Seattle 2030 District Office Building

Building ID: 0000000
For 12-month Period Ending: April 1, 2011
Date SEP becomes ineligible: N/A Date SEP Generated: May 07, 2011

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) 2,374,125
Total Energy (kBtu) 7,913,750

Energy Intensity⁵
Site (kBtu/ft²/yr) 72
Source (kBtu/ft²/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 Baseline

![Partnership Logo](image)

## Target Reduction – 50%

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

<table>
<thead>
<tr>
<th>Predominant Building Use</th>
<th>GAL/SF/YR</th>
<th>Additional Metrics of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restaurant</td>
<td>125.99</td>
<td>119 Gal/Employee/Day</td>
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<tr>
<td>Hotel</td>
<td>50.07</td>
<td>70 Gal/Room/Day</td>
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<tr>
<td>Multi-Family Residential</td>
<td>41.14</td>
<td>42 Gal/Resident/Day</td>
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<tr>
<td>Social/Meeting</td>
<td>36.95</td>
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<tr>
<td>Industrial</td>
<td>32.53</td>
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<tr>
<td>Nursing/Assisted Living</td>
<td>30.11</td>
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<tr>
<td>Hospital</td>
<td>26.12</td>
<td>53 Gal/Bed/Day</td>
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<tr>
<td>Retail</td>
<td>24.77</td>
<td>41 Gal/Employee/Day</td>
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<tr>
<td>Medical Office</td>
<td>21</td>
<td>32 Gal/Employee/Day</td>
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<tr>
<td>Office</td>
<td>14.21</td>
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<tr>
<td>Warehouse</td>
<td>13</td>
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<tr>
<td>Entertainment/culture</td>
<td>12.88</td>
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<tr>
<td>Service (vehicle repair/service, postal service)</td>
<td>11.74</td>
<td></td>
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<tr>
<td>House of Worship</td>
<td>11.31</td>
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<tr>
<td>K-12 School</td>
<td>11.09</td>
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</tr>
</tbody>
</table>
### Commuter Transportation Baseline

**Average –** 900 kg CO₂ per commuter per year  
**Target –** 450 kg CO₂ per commuter per year

*Note: Mode-Split, Trips, and Total Miles are based on total weekday trips per mode.*
Why a 2030 District for San Francisco?
The City of San Francisco is already leading the way in sustainable efforts.

Accelerate positive change in the built environment at the district scale.

Leverage best practices from other 2030 Districts.
Member/Partner Types

Property Owner /Property Manager or Developer
An individual or entity that owns, manages and/or develops real estate within a 2030 District boundary.

Services Stakeholder
An individual or entity that provides services within a 2030 District boundary.

Community Stakeholder
A non-profit, government entity or community organization.
Property Owner /Property Manager or Developer
Agree to support the District performance goals through the sharing of the following information with the 2030 District Leadership Committee:

- Building energy use, water use, and Transportation Mitigation Plan (TMP) data
- Best practices and lessons learned for case studies
- Challenges in further improvements
Member/Partner Benefits

Property Owner /Property Manager or Developer

- Assessment of current building performance relative to 2030 District goals
- Anonymous benchmarking against local peer buildings
- Guidance for moving towards 2030 District goals
- Training and ongoing support through educational workshops on tools and best practices
- Innovative software platforms to track and analysis performance
- In-kind member professional services and contributions, including project scoping and feasibility
- Influence on District-related policy issues, including incentives
Existing

2030 D I S T R I C T ™

- Seattle
- Cleveland
- Pittsburgh
- Los Angeles
Seattle 2030 District – 35 million Square Feet
Sustainable Cleveland

22,000,000 Square Feet
Pittsburgh 2030 District – 28 million Square Feet
Architectural Foundation of Los Angeles (AFLA)
Los Angeles 2030 District
San Francisco 2030 District Supporters
Other 2030 District Supporters

- **Seattle**
  - CBRE
  - Unico
  - Kidder Mathews
  - GeoEngineers
  - Cascadia
  - 2030 District

- **Cleveland**
  - City of Cleveland
  - Cleveland Public Library
  - Studio TECHNE
  - Osborn Engineering
  - Westlake Reed Leskosky
  - Sierra Club

- **Pittsburgh**
  - Newmark Grubb Knight Frank
  - Jones Lang LaSalle
  - URA
  - Green Building Alliance
  - BOMA Pittsburgh
Where?
2030 Districts Network

Seattle 2030 District

Pittsburgh 2030 District

Cleveland 2030 District

Los Angeles 2030 District
Forming the 2030 District

- Integration into an Existing Entity
- Creating a New Entity
- The 2030 District Charter
2030 District Checklist
In order to be considered an established 2030 District the following are required:

- Private Sector Lead
- Sign the 2030 District Charter (includes establishing the 2030 Challenge for Planning as the goal set)
- Contain 5 different property owners and/or managers
- Have an established Organizational Structure
Next Steps

- Engage Partners
- Establish Boundary
- Educate/Outreach
- Implement
- Measure/Execute
- Accelerate Positive Change
Questions/Contact

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