

City of Seattle
Department of Planning
Development

city green building *Building a better Seattle.*



2030
C

**Climate Change:
The “2030 °Cchallenge”**

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AIA ADOPTS THE “2030 CHALLENGE”

**US Conference of Mayors
Adopts the “2030 Challenge”**

U.S. Green Building Conference
June 26, 2007
“Beginning today, all newly registered commercial LEED projects will be required to achieve the two “Optimize Energy Performance” points within LEED.”

National Association of Counties

ASHRAE 

2030 °Cchallenge

ASHRAE Vision 2020
Producing Net Zero Energy Buildings

2030

1. New building project, development and major renovation meet a fossil fuel energy-consumption performance standard of **50%** of the regional (or country) average for that building type.



2. That at a minimum an equal amount of existing building area be renovated to use **50%** of the fossil fuel energy they currently consume.

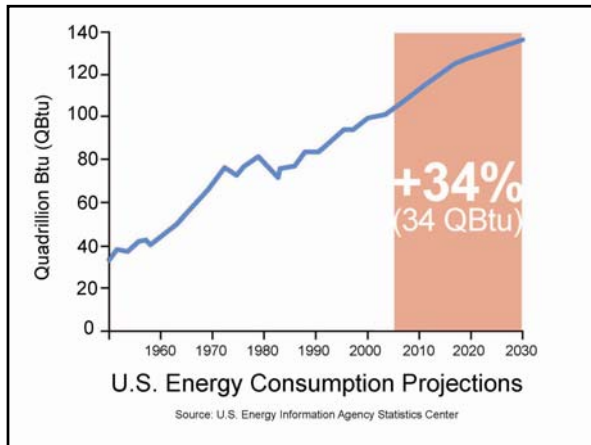


3. New Buildings - 50%
2010 – 60%
2015 – 70%
2020 – 80%
2025 – 90%
2030 - **Carbon Neutral**
(no fossil fuel energy to operate)



#1 Energy

2030

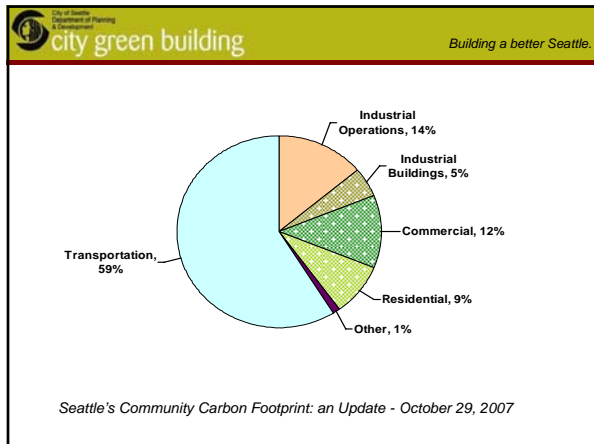


1 QBtu

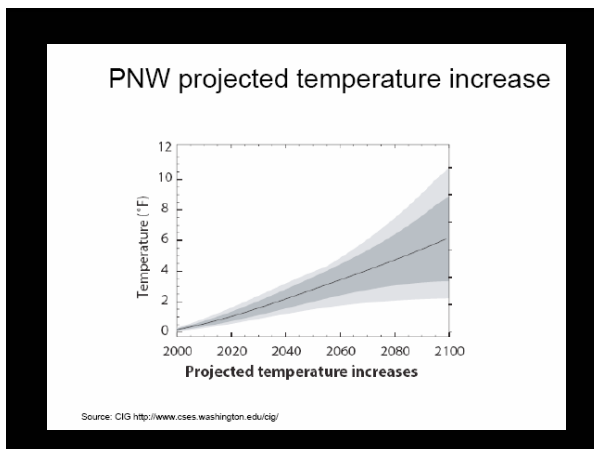


40
1,000 MW Power Plants

2030



#2 Climate Change



“Warming of more than 1°C above today’s level will make the Earth warmer than it has been in a million years”

Dr. James Hansen, NASA GISS

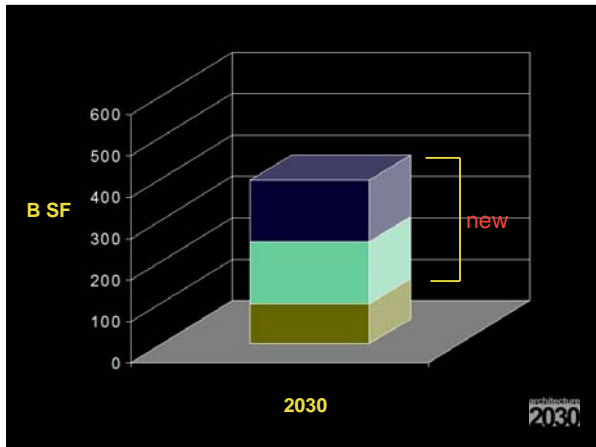


1.75 billion sf



5 billion sf





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0300 THE 2030 °CHALLENGE
 getting started

Enter Target Floor ENERGY STAR

3. The Target!

Target Rating	Energy Reduction Target
Select Or	50%
*Choose the design target associated energy use for	
Select	90%
Select	80%
Select	70%
Select	60%

Use results from energy ar for the design. Select "View Use to your Target.

Estimated

2030



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