

LEED and Energy Efficiency

U.S. Green Building Council

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U.S. Green Building Council



PERCEPTION

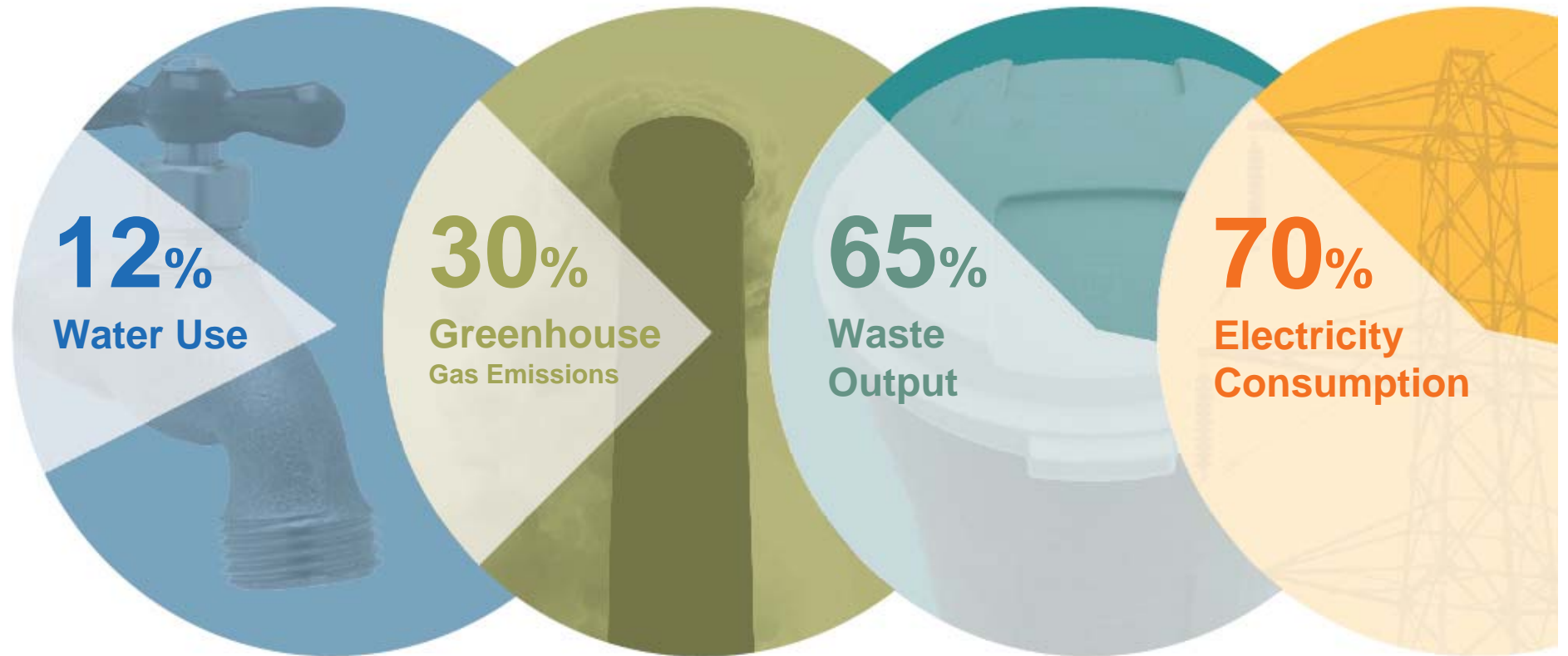


REALITY

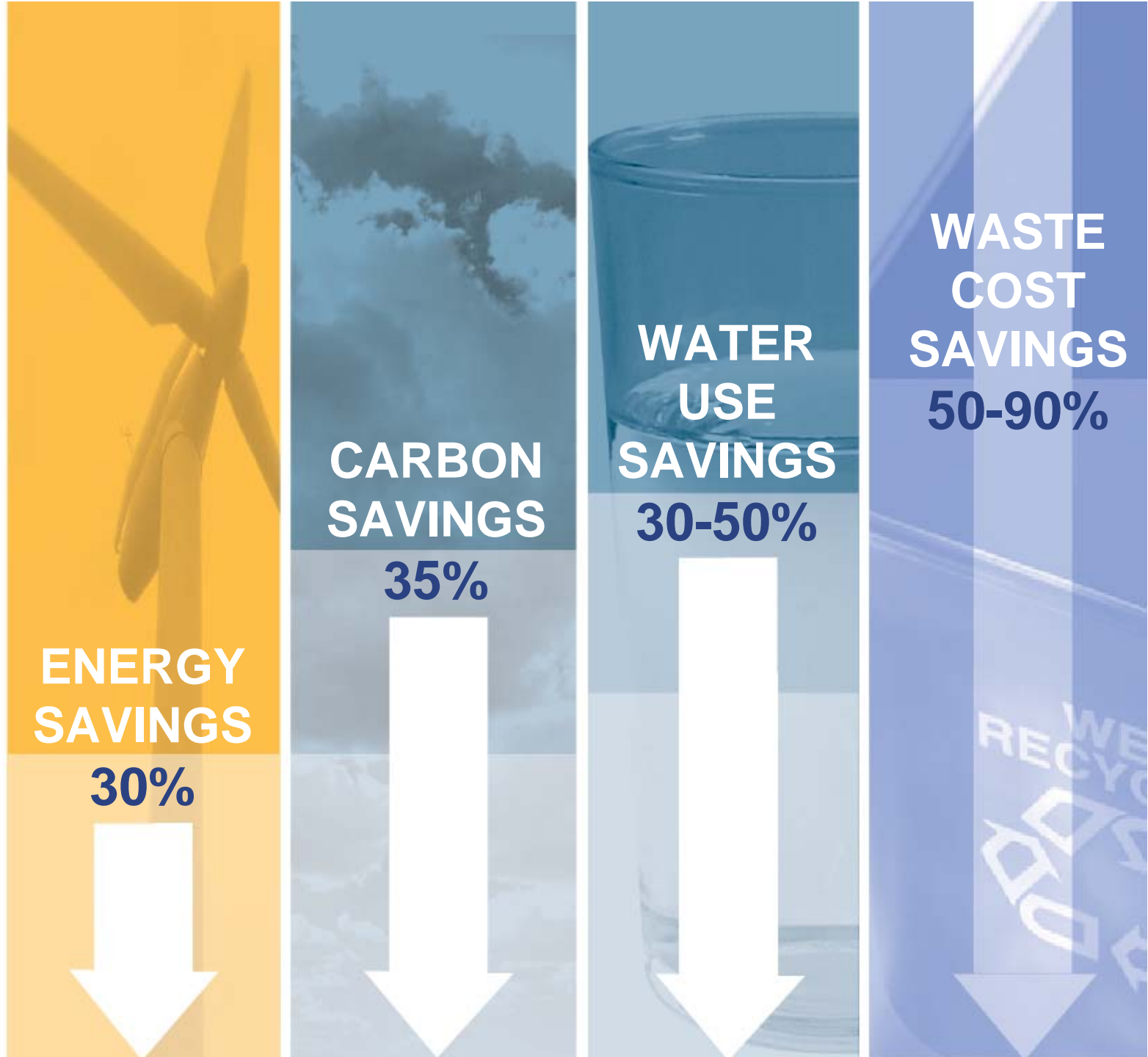
Bank of America Tower
at One Bryant Park
The Durst Organization
Cook+Fox Architects
New York NY
LEED-NC Registered:
Platinum Certification goal



U.S. Building Impacts:



Average Savings of Green Buildings



Source:
Capital E

What is our role?

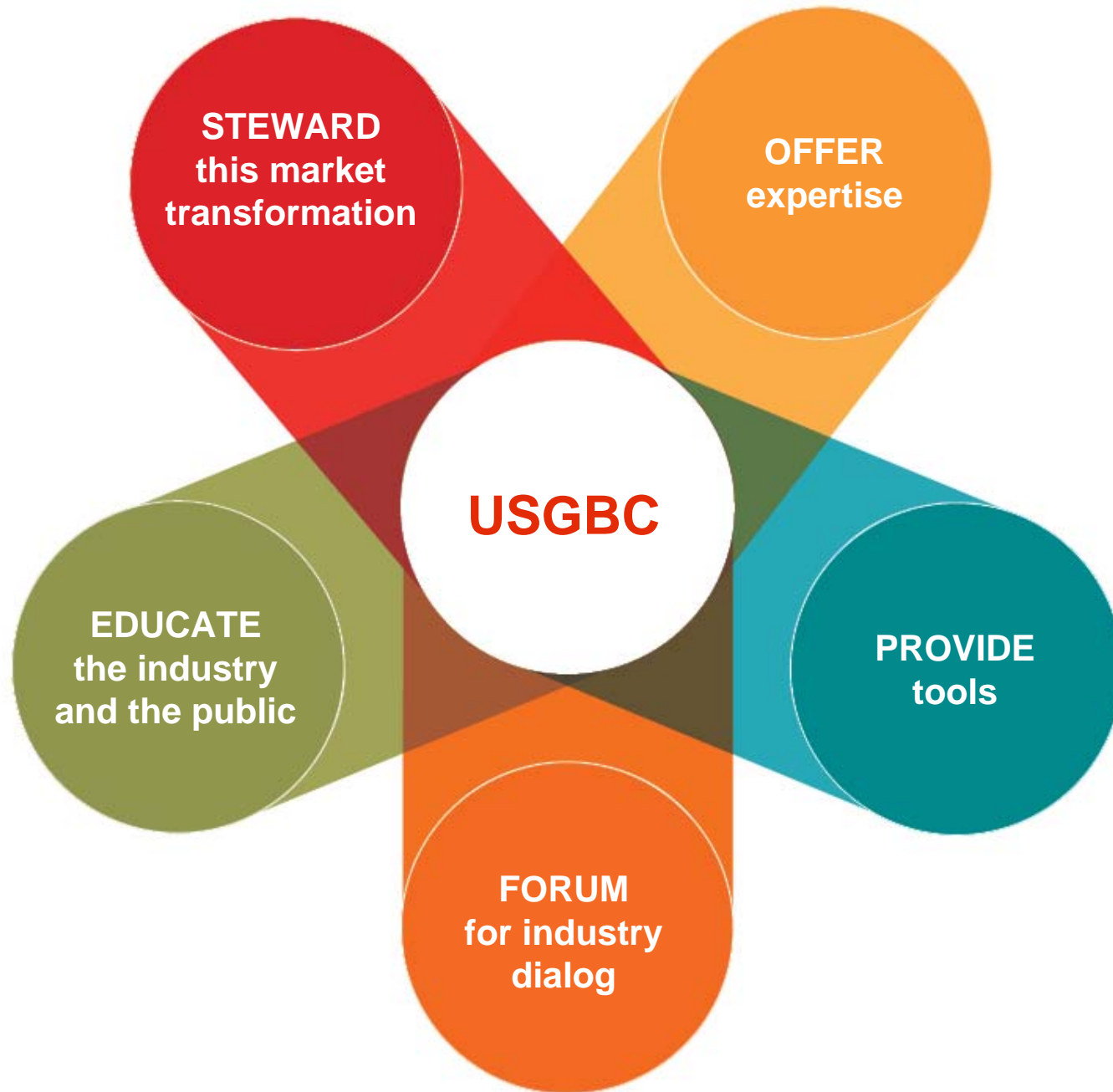


Who are we?

USGBC is a coalition of the country's foremost leaders from across the building industry. We promote buildings that are:

- 1. Environmentally Responsible**
- 2. Economically Profitable**
- 3. Healthy Places to Live and Work**





What is green building?

Design and construction practices that meet specified standards, resolving much of the negative impact of buildings on their occupants and on the environment.



What is the LEED System?

LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN

A leading-edge system for certifying DESIGN, CONSTRUCTION, & OPERATIONS of the greenest buildings in the world

Scores are tallied for different aspects of efficiency and design in appropriate categories.

For instance, LEED assesses in detail:

1. Site Planning
2. Water Management
3. Energy and Atmosphere
4. Material Use
5. Indoor Environmental Air Quality
6. Innovation & Design Process

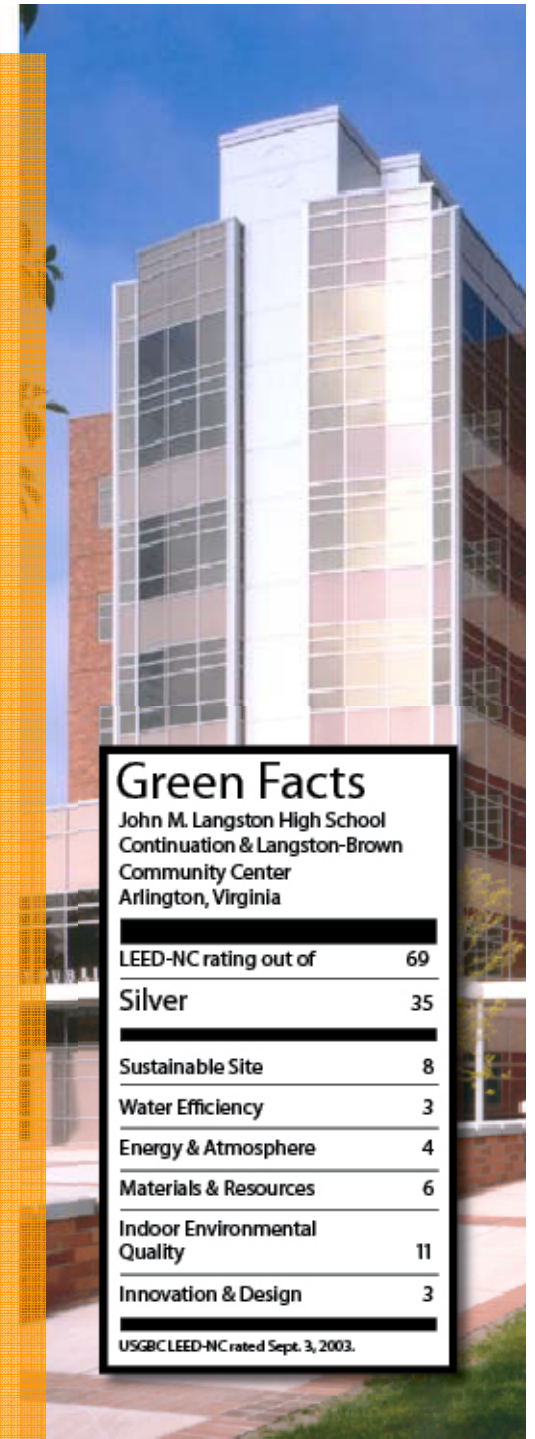


Green Facts

John M. Langston High School Continuation & Langston-Brown Community Center
Arlington, Virginia

LEED-NC rating out of	69
Silver	35
Sustainable Site	8
Water Efficiency	3
Energy & Atmosphere	4
Materials & Resources	6
Indoor Environmental Quality	11
Innovation & Design	3

USGBC LEED-NC rated Sept. 3, 2003.

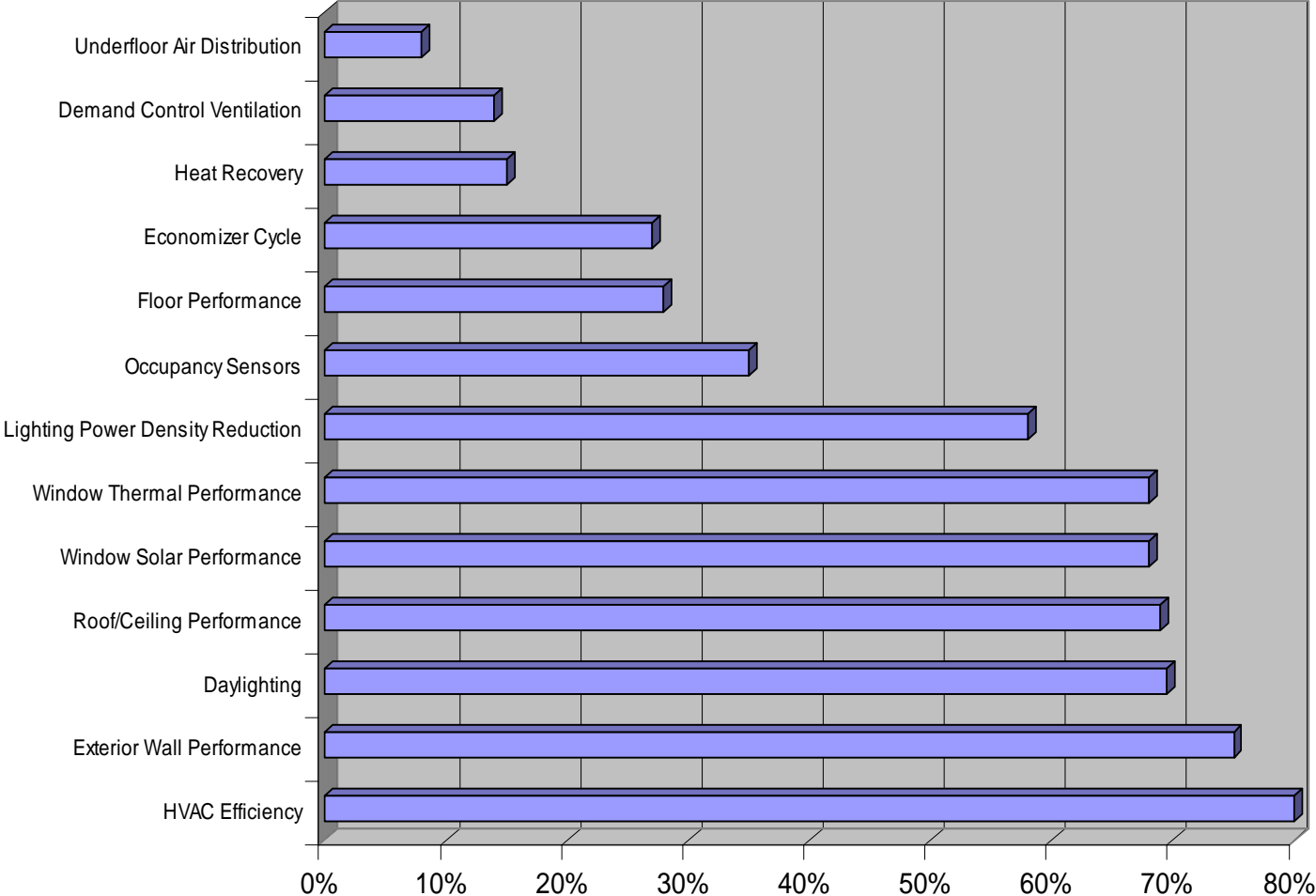


Levels of LEED Ratings

**Green Buildings
worldwide are certified
with a voluntary,
consensus-based
rating system.
USGBC has four
levels of LEED.**



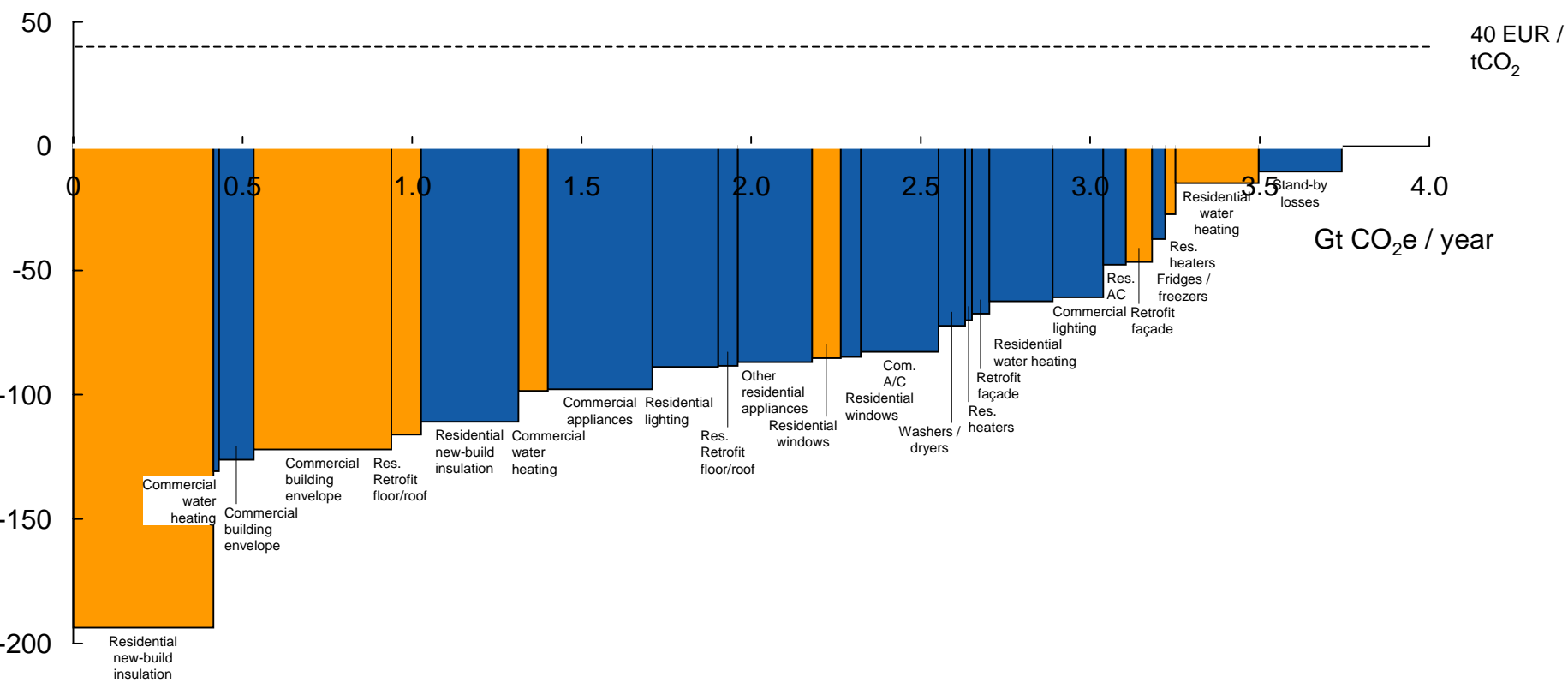
Energy Efficiency Technologies in LEED Buildings



Marginal abatement cost curve for the buildings sector 2030

EUR/t CO₂e

Electricity
Primary



The abatement in the buildings sector can be realized at low or negative cost

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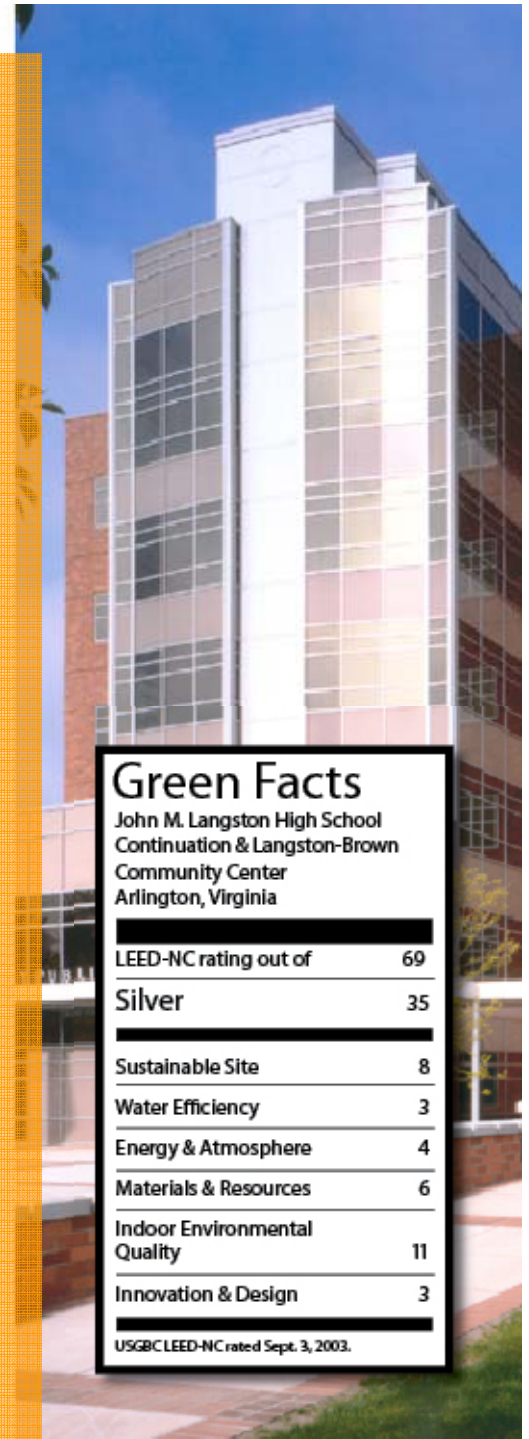
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immediate
& measurable



