

# LEED AND DISTRICT ENERGY

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# CONTEXT IS EVERYTHING...





## Leadership in Energy & Environmental Design

## LEED – A FEW STATS

- Most widely used green building certification system in the world
- Certified projects in more than 167 countries and territories
- More than 205,800 gross square meters of space certifying every day

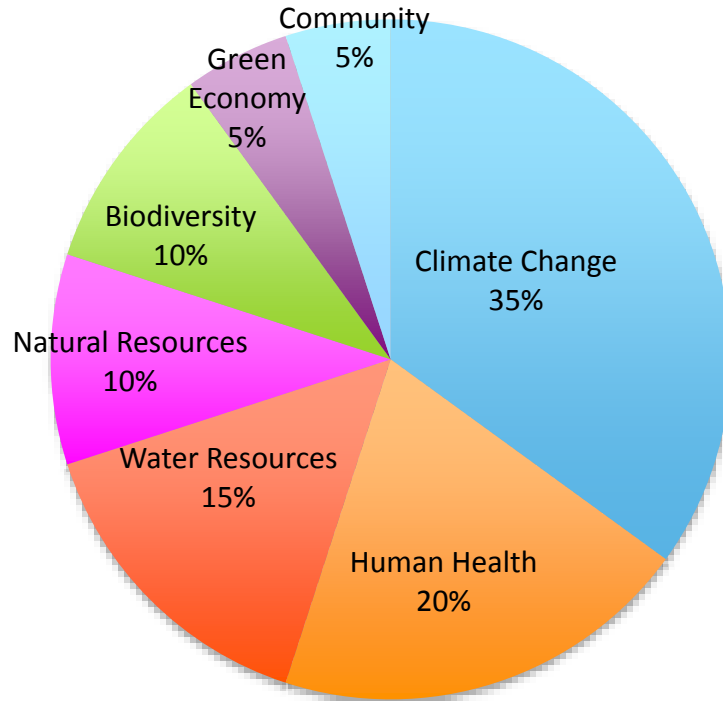


## LEED V4

- Most current version of LEED (international system)
- Stringent requirements for continuous advancement
- Better performing buildings & communities
- Launched Nov. 2013 at Greenbuild
- Increased focus on actual (measured) energy performance, integrative design, human health



# IMPACT CATEGORIES



# LEED 4.0 ENERGY PERFORMANCE DRIVERS

- Reduce energy use through integrated design (orientation, building envelope, materials, systems, etc)
- Use more benign sources of energy
- Ongoing energy performance (commissioning & monitoring) to ensure that buildings continue to operate as intended
- Worth more points than any other section



## LEED 4.0 AND DISTRICT ENERGY

- Pay attention to DES's carbon footprint
- Look long term at how the DES's performance can evolve over time
  - Fuel switching?
  - Performance improvements?
  - Alternative energy sources?
- Look for ways to remain relevant over time
- Be prepared with documented, recent, accurate energy performance data
- Baseline is 80% efficient – can you do better?





## LEED 4.0 NEW WAYS OF WORKING

- ACPs – the way to customize LEED for project types, countries, etc.
- Regional Priority – pay attention to what has been identified
- Arc – the platform that will be displaying project performance
- International context means no more LEED Canada – we're all the same



## NEW SYSTEMS, NEW WAYS OF INTEGRATING

- PEER, SITES, GRESB, etc.
- USGBC – cross-referencing credits with all of these
- Look broadly at systems & opportunities



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## LEED 4.1 – COMING SOON

- O+M currently in pilot
- BD+C coming in Fall
- Greater emphasis on actual performance
- Tweaks to materials and energy sections. Stay tuned!
- Consultation on now – have your say and participate in pilots.



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