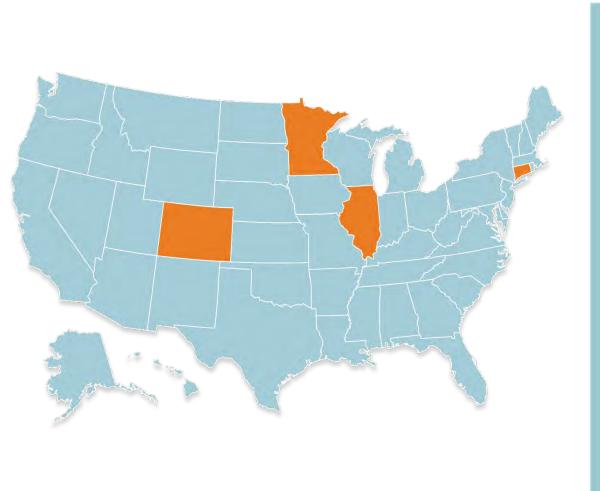
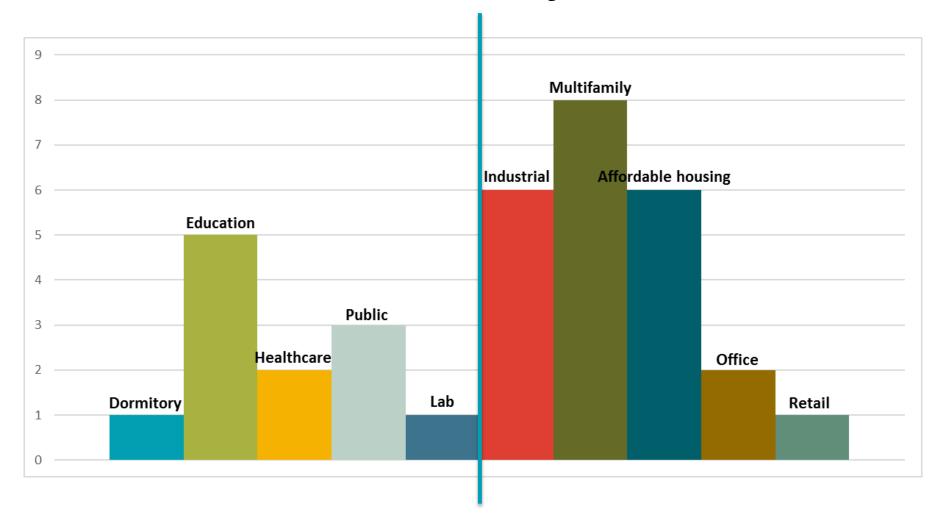
Eligibility requirements for Accelerate Performance



- Applicable to new construction and major renovation
- Commercial, industrial or multifamily buildings
- Projects must be in the pre-planning phase to participate (before the design team is under contract)
- 35-70% energy reduction goals

Current Projects



Partner Structure

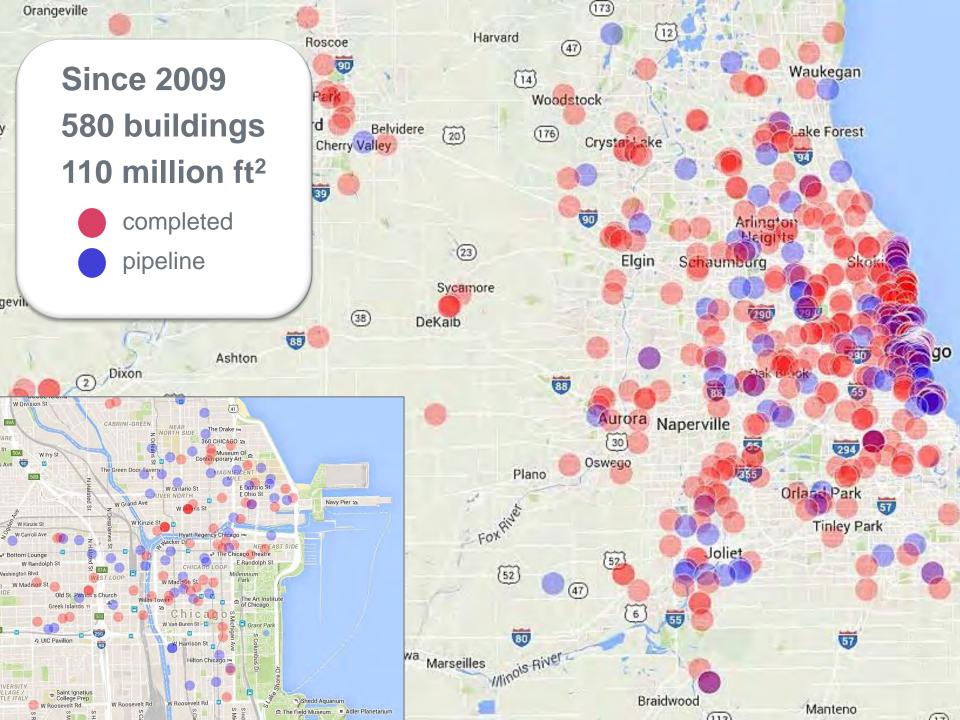


Why Accelerate Performance - Utilities



Top motivations:

- New codes present an opportunity instead of limitations
 - Portfolio savings goals are increasing
 - Support deep energy saving projects
- Deemed vs actual savings
 - Prepare programs for outcome based codes
- Directly support owners (customer service)
- Develop an industry leading program

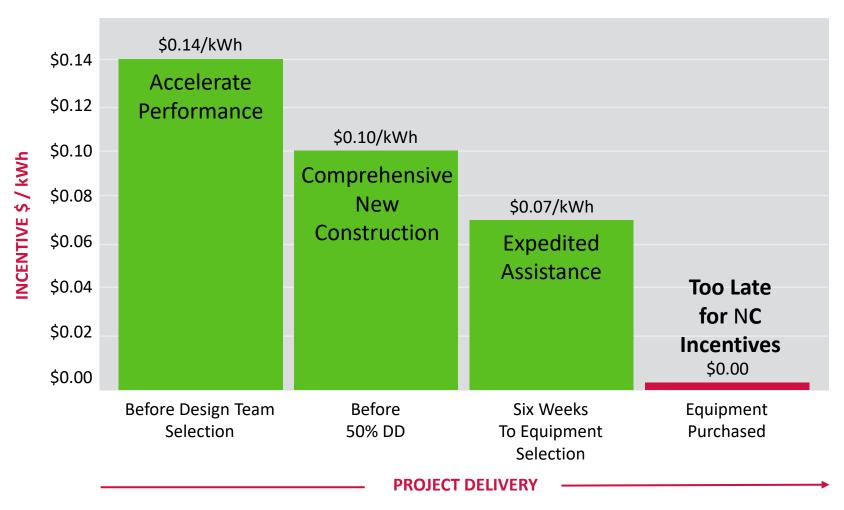


New Construction Program Benchmarking

	PROGRAM DESIGN COMPARISON										
	ComEd	Xcel MN	Xcel CO	Focus on Energy	MidAm	NGrid	ЕТО	SBD	NYSERDA		
Single TA provider											
Closed network											
Open network											
Multiple tracks	*										
Scaled incentives based on performance											
Scaled incentives based on technology									1		
Design firm incentive											
per kWh incentive											
per kW incentive											
per therm incentive											
per SF Incentive											
EUI incentive									1		
Minimum savings threshold				1							
Incentive cap											
Post-construction support											
Net Zero support				-							
LEED support				1							

Incentives Linked to Engagement

Higher \$/kWh earned for earlier engagement



Why Accelerate Performance – Developers/Owners





Top motivations:

- Due diligence in the design and construction
 - Keep design and contractor team focused on clear, measurable goals
 - Disappointed with performance of new buildings
- Process to meet performance goals
 - Desire to reach campus/portfolio carbon reduction goals
 - Wants to achieve net zero but needs a process to get there
- Realize actual operations savings and ensure return on investment

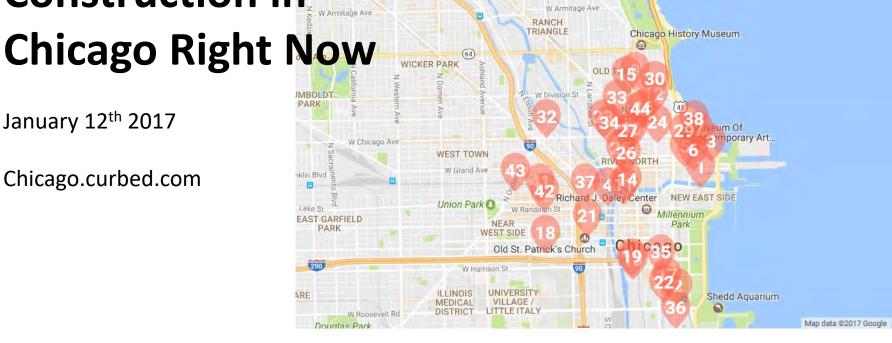
Chicago construction boom

BUCKTOWN

Mapping the 44 High-rises Under U **Construction in**

January 12th 2017

Chicago.curbed.com



LINCOLN PARK

Peggy Notebaert Nature Museum

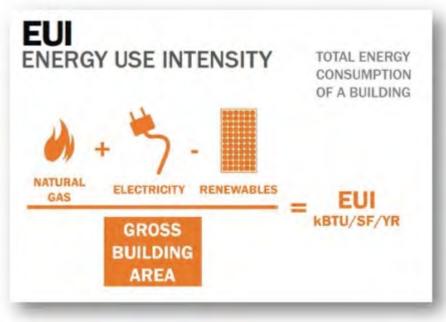
Chincoln Park Zoo

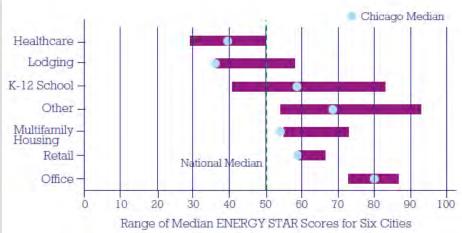
Define an energy requirement

Project	energy	doals
· · · · · · · · · · · · · · · · · · ·	9,	goalo

Froject energy goals								
A	Sustainable building	Lack of clarity with unbounded interpretation. Rating schemes help resolve this, but do not drive a certain metric.	Same budget					
В	30% savings over energy code	Often this is a comparison between simulated results. There is very little opportunity to verify actual savings.	Same budget					
 С 	An annual energy use intensity (EUI) of 45 kBtu/sq ft/year	This is a measurable target; requires up-front research to establish a realistic benchmark.	Same budget					

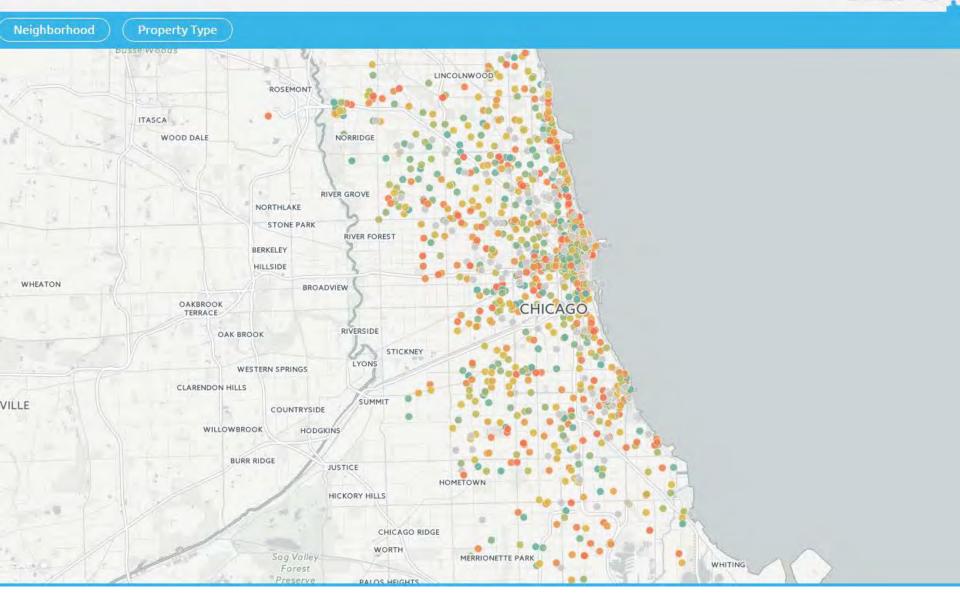




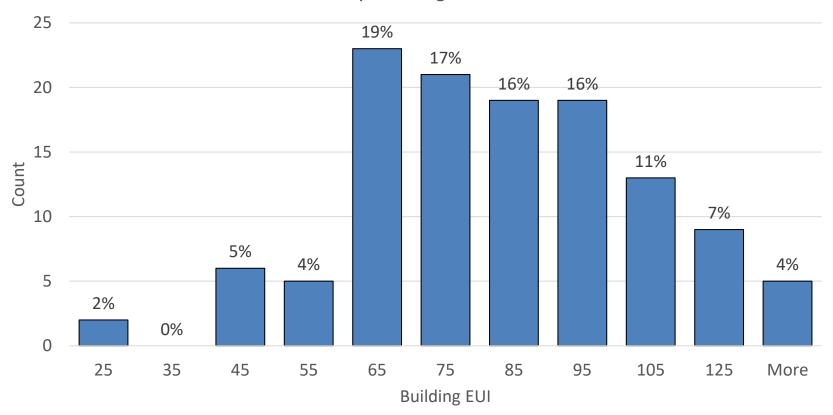


BENCHMARKING





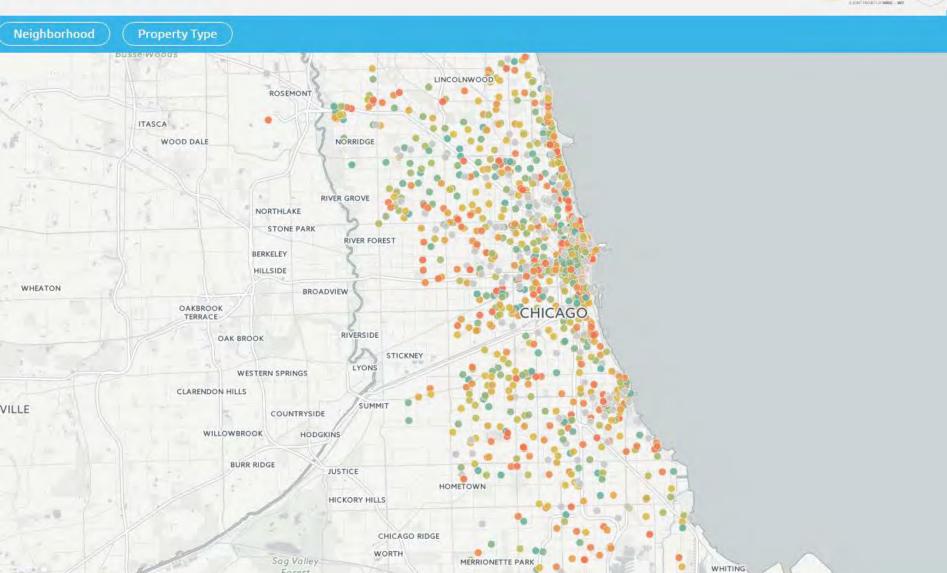
Multifamily Buildings 2000-2014



Chicago Median EUI 81

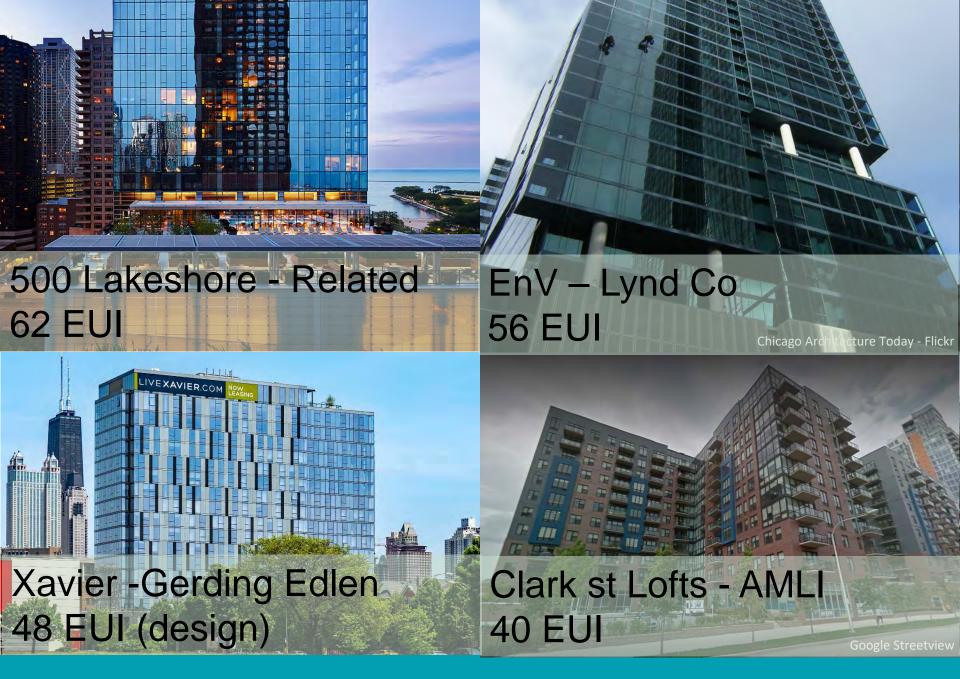
BENCHMARKING

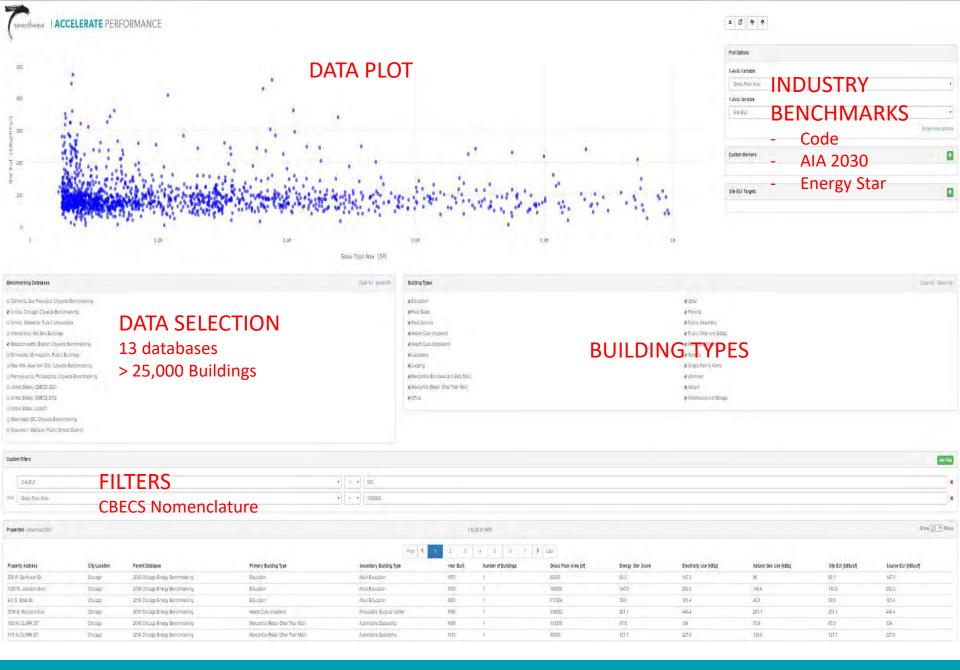


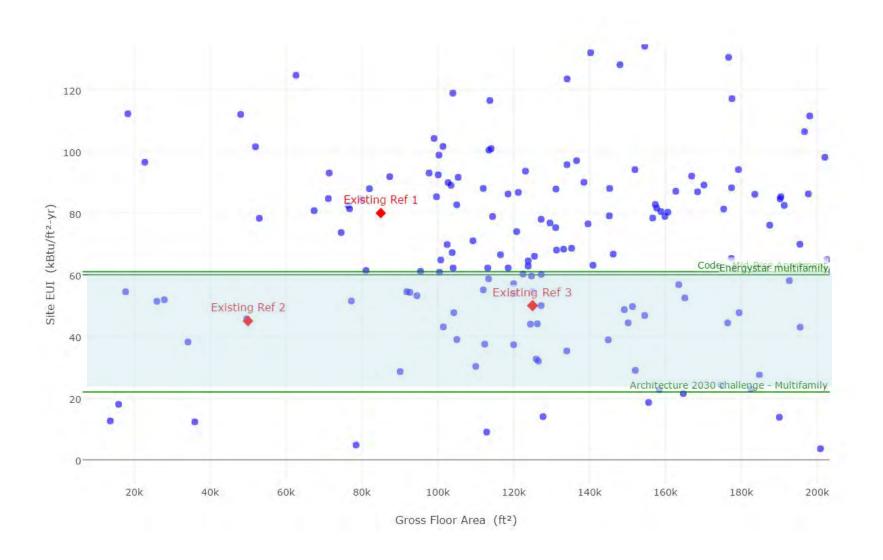


Forest

PALOS HEIGHTS







RFP and contract language

PROJECT GOAL LIST: Project goals help design teams prioritize their focus on the MEP and building performance design. Goals are categorized in three main sections:

Mission critical goals—required by contract and critical to success

Highly desirable goals—not required by contract and have influence on the recommended design

If possible goals—influence recommended design and are considered highly beneficial if included in the solution

MISSION CRITICAL

- Maximum energy target of 65 KBTU/gsf annually; lower is preferred
- LEED NC Silver Certification
- Superior occupant comfort
- EnergyStar certified building

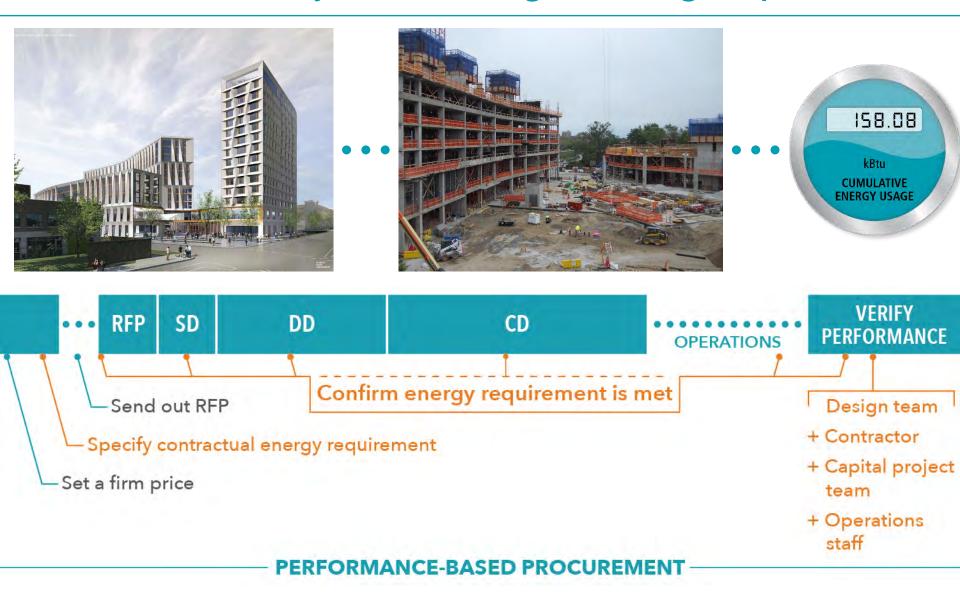
HIGHLY DESIRABLE

- Maximum energy target of 55 kBtu/gsf annually; lower is preferred
- Passive design strategies (i.e. daylighting, passive solar heating, etc.)
- Ease of maintenance
- Visual displays of current energy efficiency
- Exceed LEED NC version 4, Silver Certification

IF POSSIBLE

- Living Building full certification
- Net Zero Energy Design

Track and verify from design through operation





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