



# Strengthening Utility and Government Collaboration for Data Access: A unique Approach to Market Transformation

Erica Cochran, Flore Marion, Hetal Parekh, Sasha Kerbel October 19, 2015



### Access to energy performance information can drive building energy efficiency:

Among facility managers who have used ENERGY STAR software for benchmarking:

70%

have used ENERGY STAR to guide energy efficiency upgrade plans

67%

have used ENERGY STAR to justify energy efficiency project

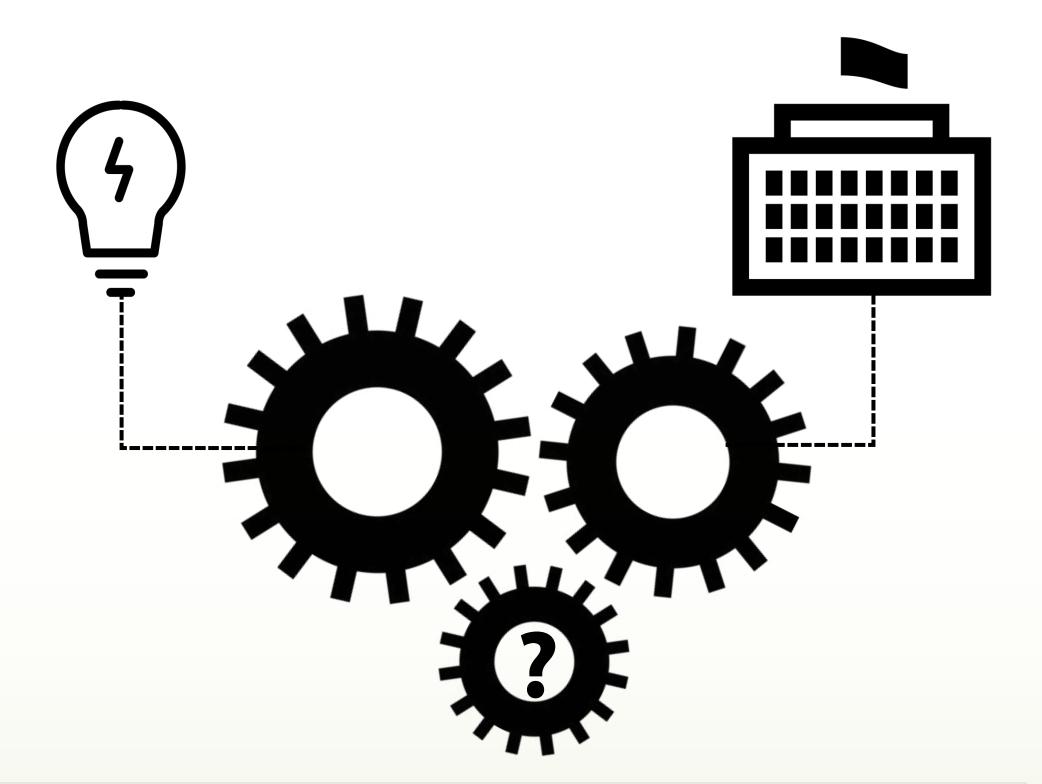
Utility programs that promote benchmarking can drive similar results:

62%

said that benchmarking their building's performance strongly influenced them to take action

84%

of those who benchmarked made energy efficiency retrofits & operations improvements in their buildings



## **ENERGY DATA ACCELERATOR**

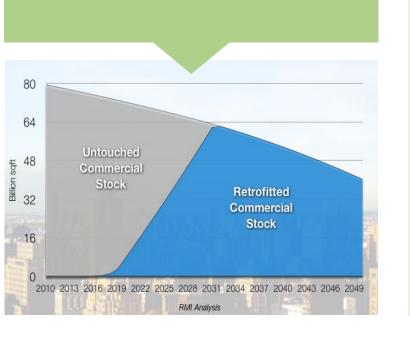
A two year program, launched by DOE to enable benchmarking, by creating unique partnerships between the city and its utility company to address the upstream barrier of data access.

#### Why is it difficult to obtain Whole Building Aggregated Data?

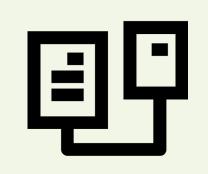
**Data Collection** 

Data Entry into Benchmarking tools

M&V Data Analytics



Building owners and local governments seeking wholebuilding data access often do not have established pathways for engaging their utilites



Utility systems generally track energy consumption by meter or account not by building



Utilties are concerned about protecting individual tenant privacy while trying to provide whole building data to building owners

Stakeholder Engagement Support

Lead: Erica Cochran, CBEI

Team provides partner cities with resources and assistance for Convening local stakeholders—such as businesses, trade associations, consumer advocacy groups, and utility regulators.

#### **Technical Support**

Lead: Kristin Field, NREL

Team works to help utilities progress on the restructuring of their energy data collecting and sharing methods enabling them to commit to demonstrate streamlined, easy-to-use approaches for building data access.

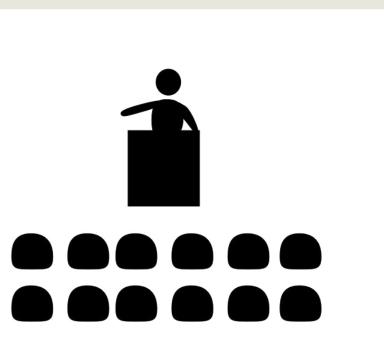
#### **Policy Support**

Lead: Andrew Shulte, ICFI

Team works with partners and strategic collaborators to facilitate information exchange and support multistakeholder efforts on privacy and data access.

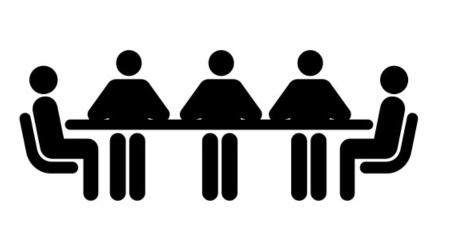
Example of Steps to Successful Stakeholder **Engagement for Data Access** 

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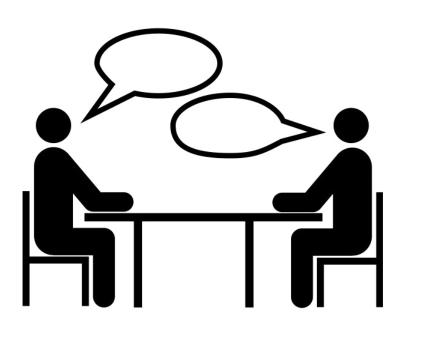
highlight the importance of data access for building owners to key decision makers and stakeholders and present the case for improved data access for building owners

D E 0 0 2 S



discuss best practices from other utilities/cities that have pursued data access for building owners, available from case study fact sheets

0 > 90



determine if they have any additional questions or need more research or information and establish plan for continued stakeholder engagement through program implementation





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City of Chicago

District of Columbia

City of Philadelphia

City of New York

City of Seattle

City of Boston & Cambridge City of Los Angeles

City of Minneapolis

Comæd. An Exelon Compan pepco

nationalgrid

PECO An Exelon Compan PSE PUGET SOUND ENERGY

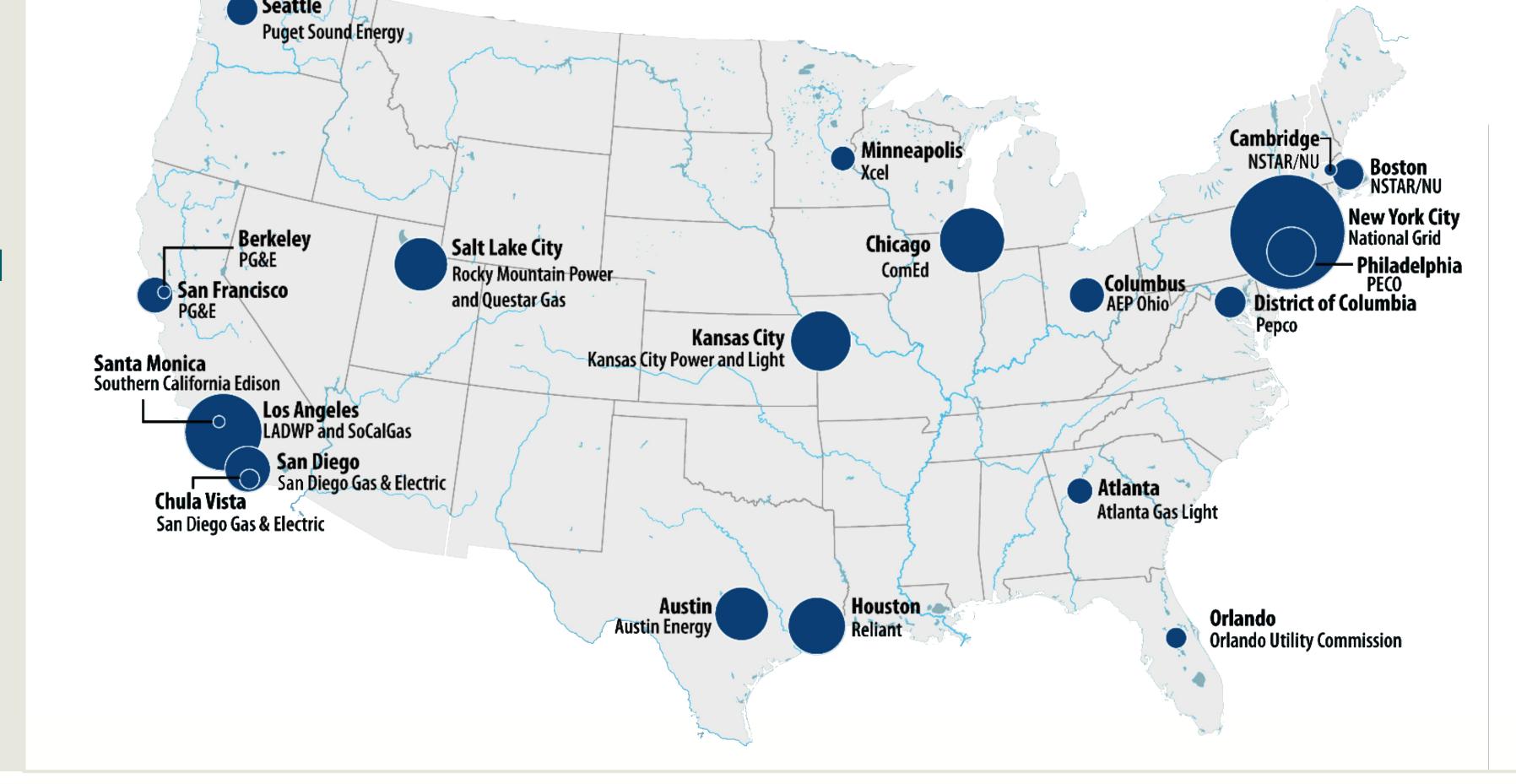








Commitment of 22 city-utility pairs to reduce energy use and demonstrate low-cost, replicable solutions for data access:



for whole building data access displayed by partner utility companies:

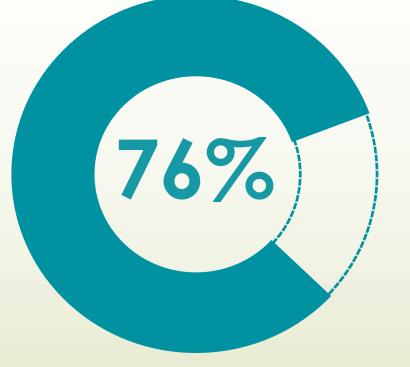


streamlining the tenant consent/ authorization process (excluding CA cities)

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including the capability to assist building owners with accurately mapping meters to buildings

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64%

Best practices

providing streamlined transfer of utility bill data to benchmarking tools

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