

CITY OF MINNEAPOLIS

2014 Energy Benchmarking Results

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Energy and Environment

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Background



Energy Benchmarking

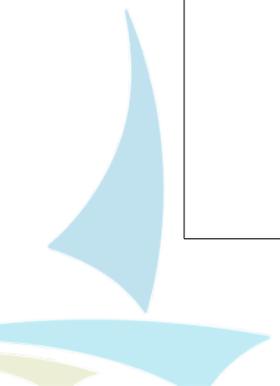


Energy Benchmarking

On-going review of building energy performance to ensure building is using energy as anticipated with regard to operations and improvements.

- Goals:
 - Understand our large building market
 - Identify buildings with potential for savings
 - Help buildings manage energy expenses
 - Show progress





Timeline



The Program

- Benchmarking tool:



- Data collection process:

Building manager
enters data into
Portfolio Manager



Building manager
submits data to
City via Portfolio
Manager



Data is analyzed
and feedback given
in scorecard

The Program

- Compliance assistance for commercial buildings 50,000+ ft²
 - Workshops
 - Helpline
 - RETAP (Retired Engineers Technical Assistance Program)

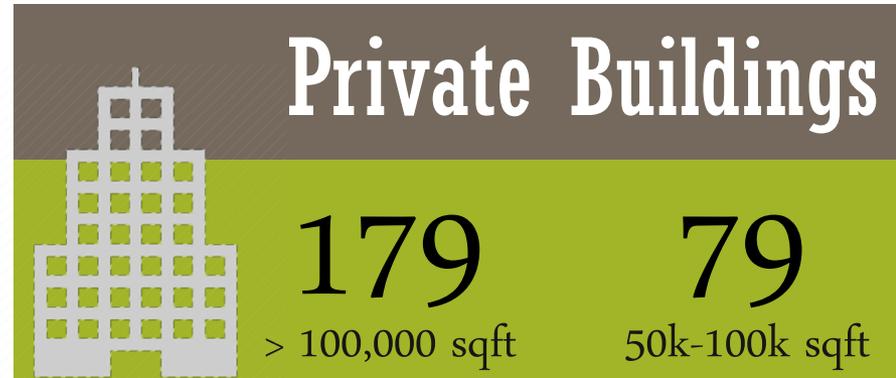
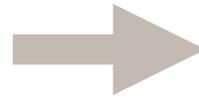


Results

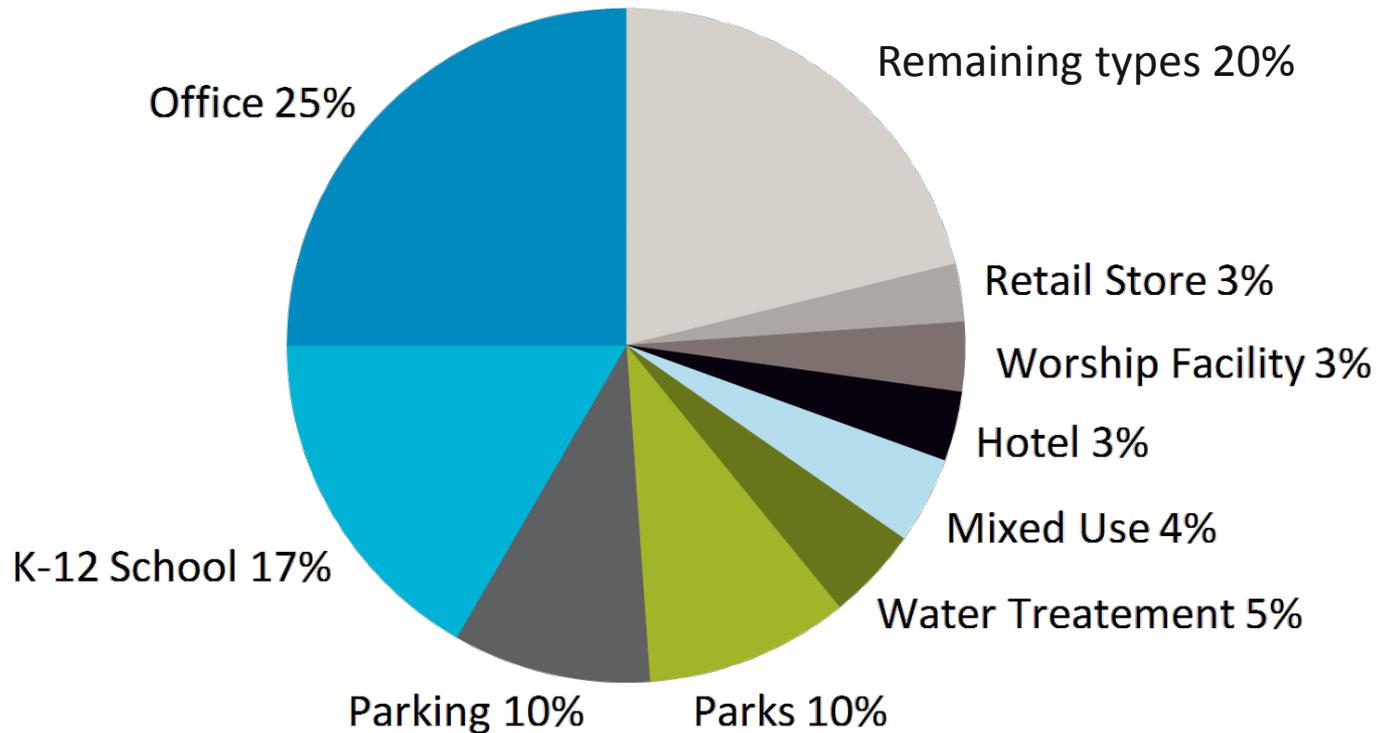


Understand our large building market

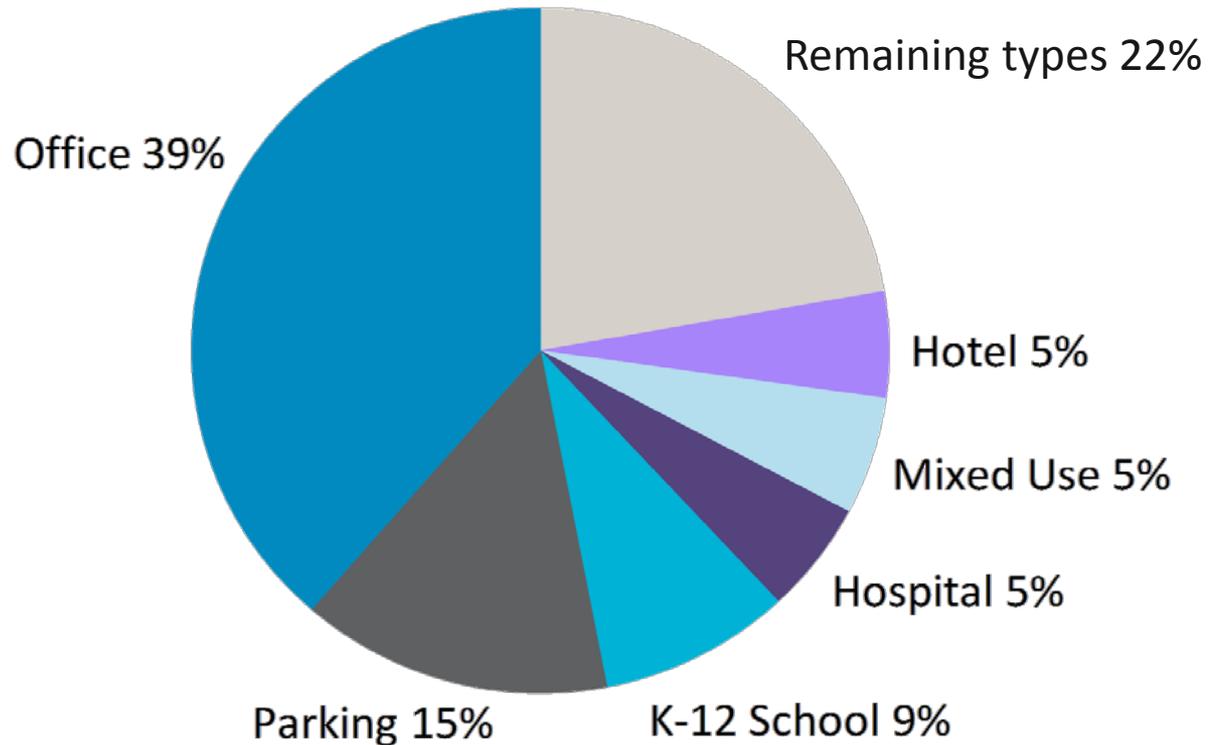
Buildings Analyzed
429



Most Common Property Types by Count



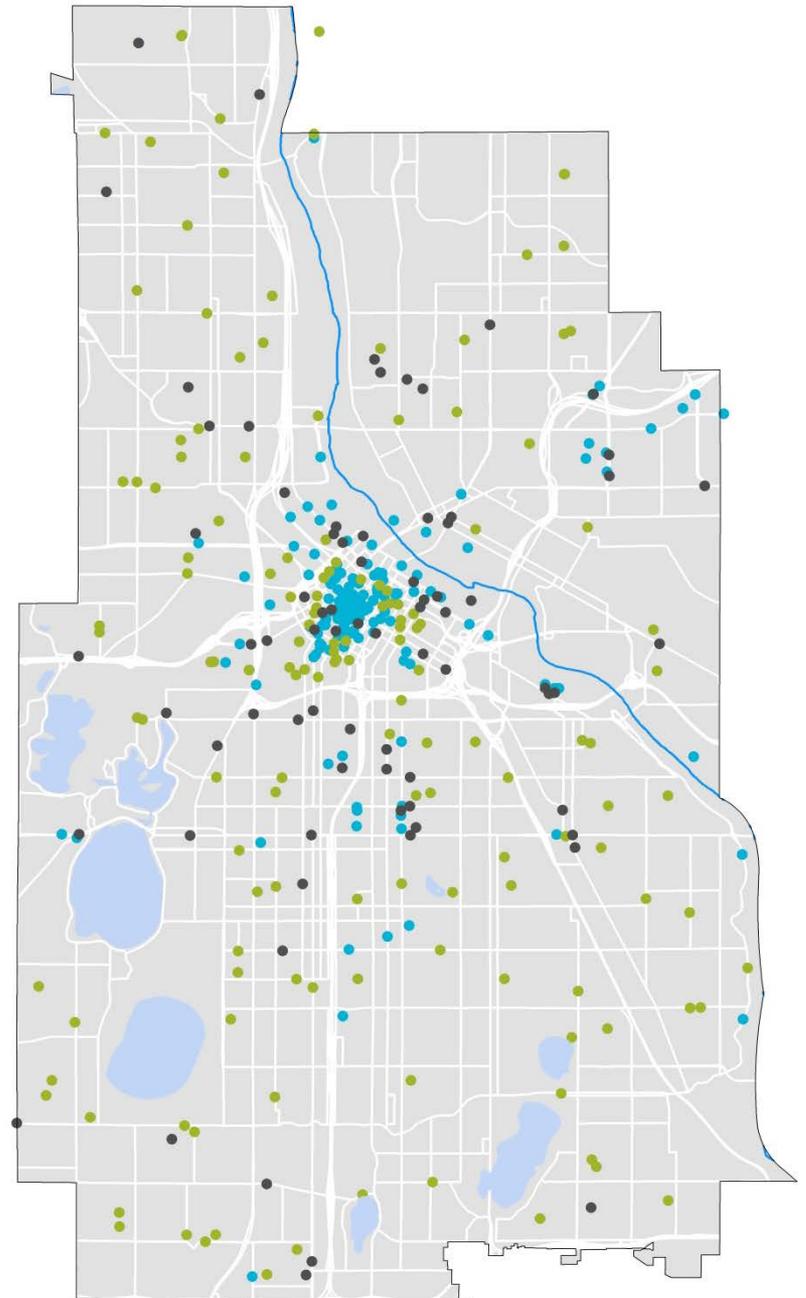
Largest Area by Property Type



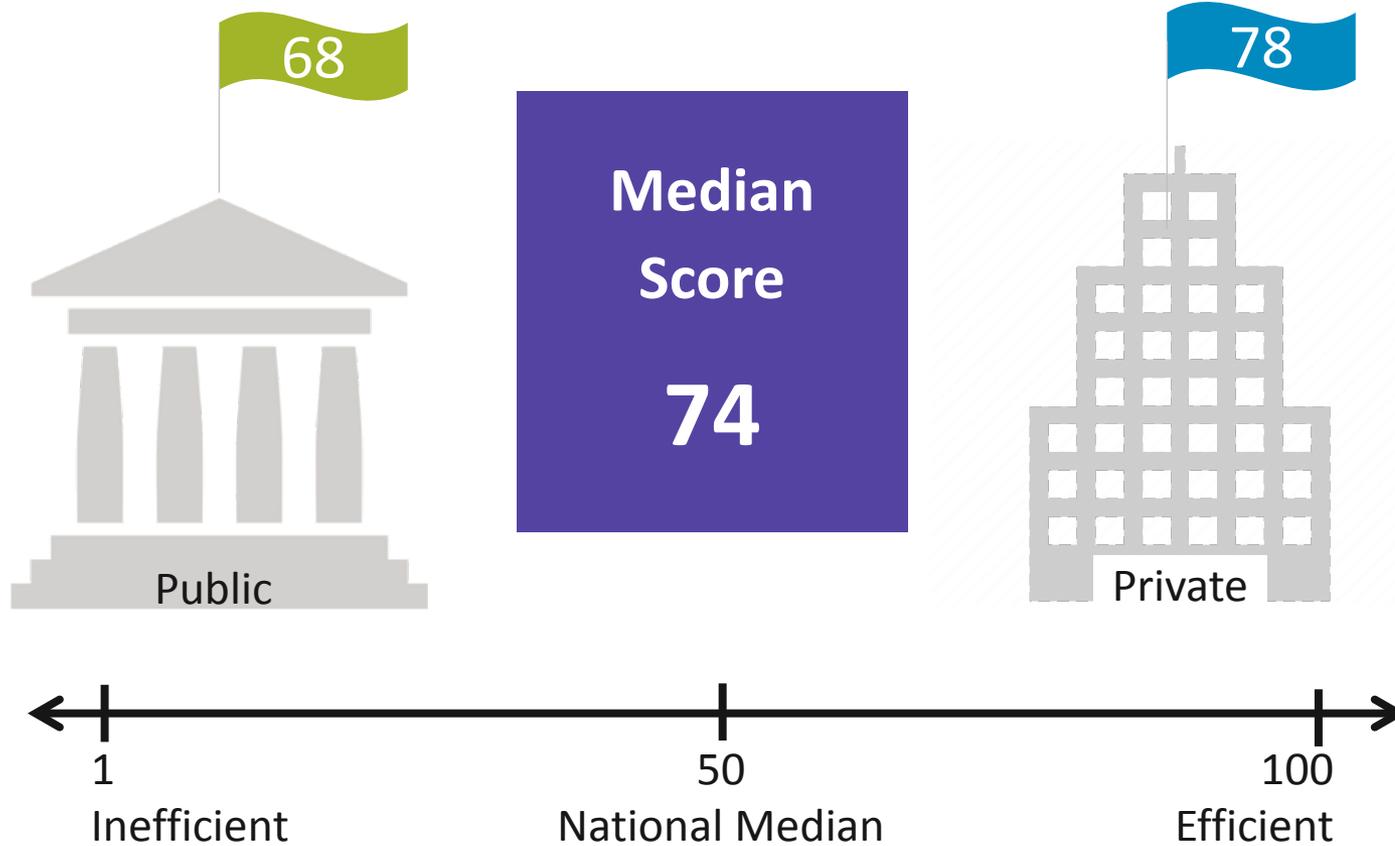
Context



Represents
50% of all
commercial
building space



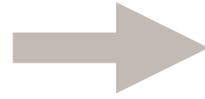
ENERGY STAR Score



Response Rate

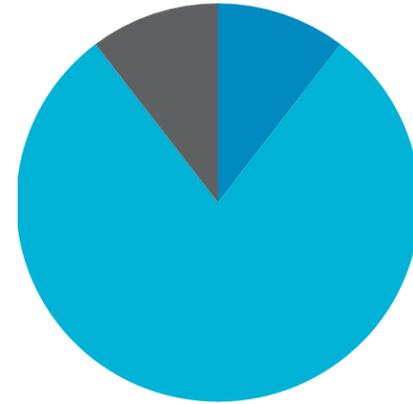
A "Response" is:

Submission or
Exemption



10%, No Response

11%, Exempt



89%, Submitted

90+%

as of August 31st





Understand our large building market recap

Buildings
Analyzed

429

Represents
50% of all
commercial
building space

Median
ENERGY STAR
Score

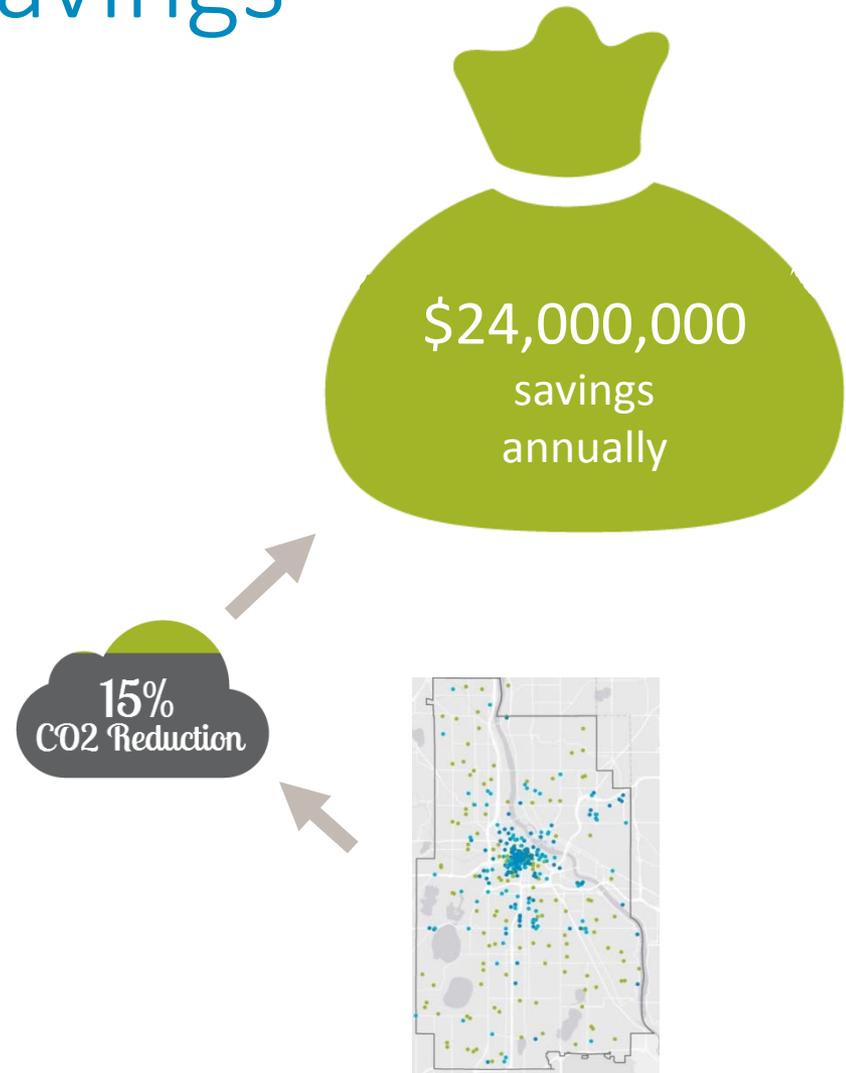
74

Response Rate

90+%



Identify potential savings



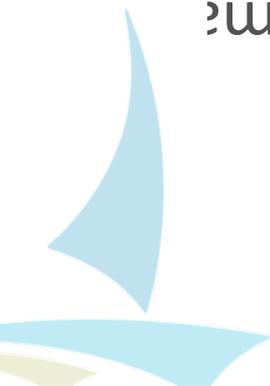
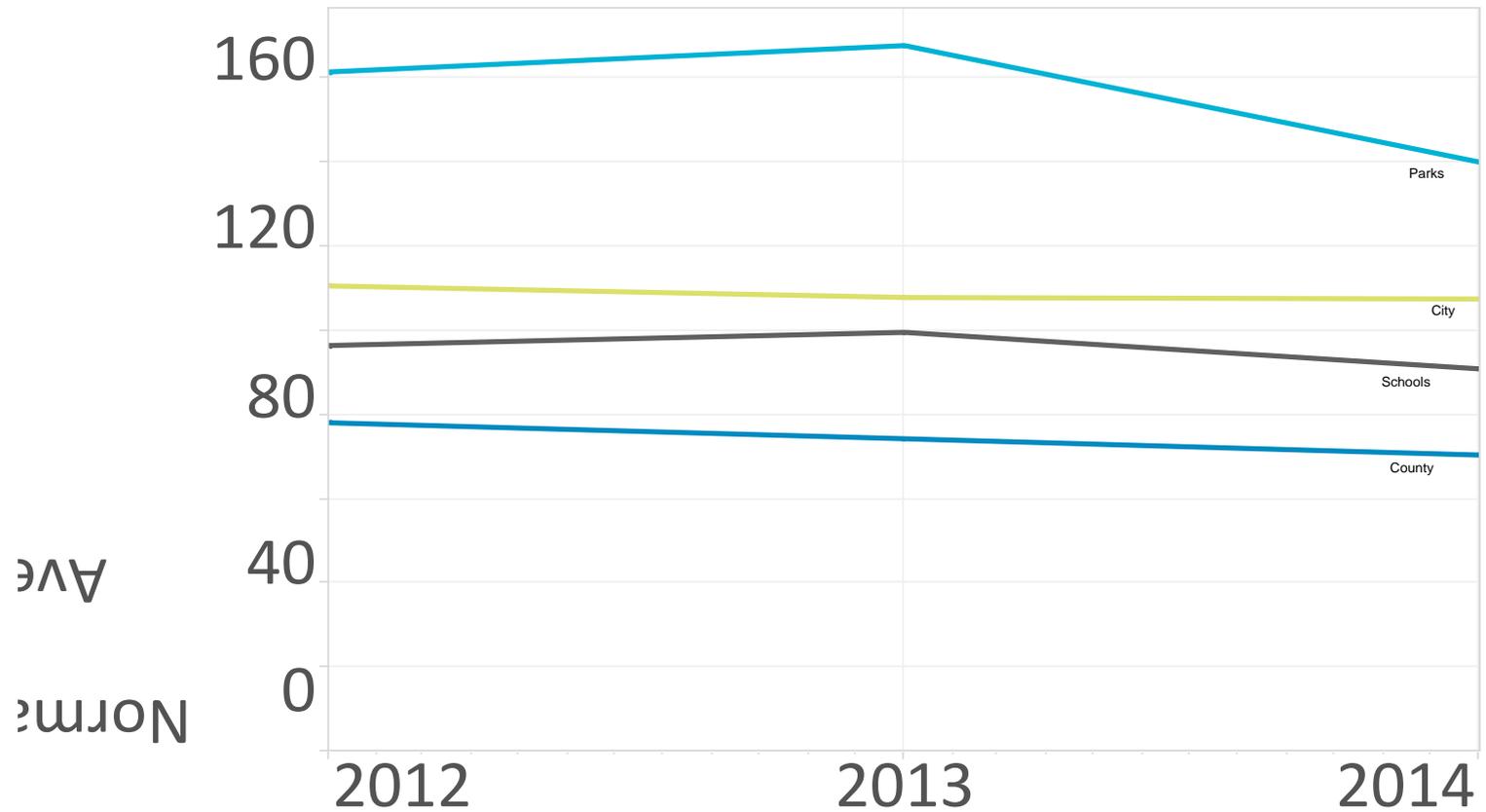
Identify buildings with savings potential

- hospitals
- hotels
- worship facilities
- public schools
- individual offices

Address	Postal Code	ENERGY STAR Score	Primary Property Type - Self Selected	Floor Area (Buildings & Parking) (ft ²)	Year Built	Total GHG Emissions (Metric Tons CO ₂ e)	Site EUI (kBtu/ft ²)	Weather Normalized Site EUI (kBtu/ft ²)	Source EUI (kBtu/ft ²)	Weather Normalized Source EUI (kBtu/ft ²)
1 Twins Way	55403	Not Available	Other - Entertainment/Public Assembly	1127632	2010	14714	82.9	81.9	205.1	203.9
100 6th St North	55403	94	Office	457678	1906	3777.9	53.7	50.8	130.5	127
100 Washington Ave S	55401	96	Office	770894	1980	4578.1	54.4	50.4	115.9	111.2
100/150 South Fifth Street	55403	93	Office	1420152	1984	11002.6	57.0	54.6	147.7	144.2



Show progress



Celebrate Success

- Building Energy Performance Awards

- DelaSalle High School
- 33 South Sixth
- Doubletree Hotel
- Minnehaha Academy South
- Broadway Place West
- Residence Inn City Center



Broadway Place West – 42 kBtu/sft/yr

Recognition

- Environmental Initiative Award Finalists
- #13 metro *nationally* with the most ENERGY STAR certified buildings

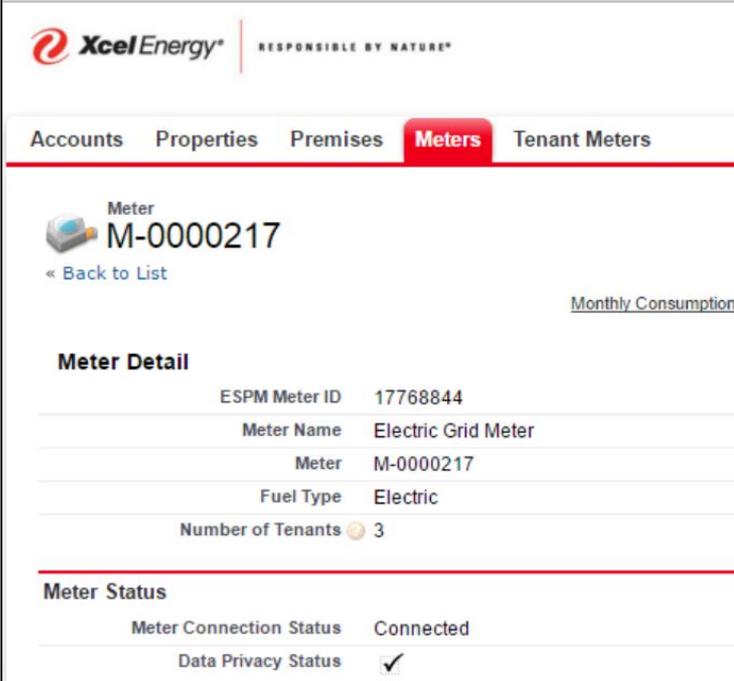


Next Steps



Next Steps

- *New!* Benchmarking Management System
- *New!* Xcel Benchmarking Portal
- *New!* 3 Initiatives



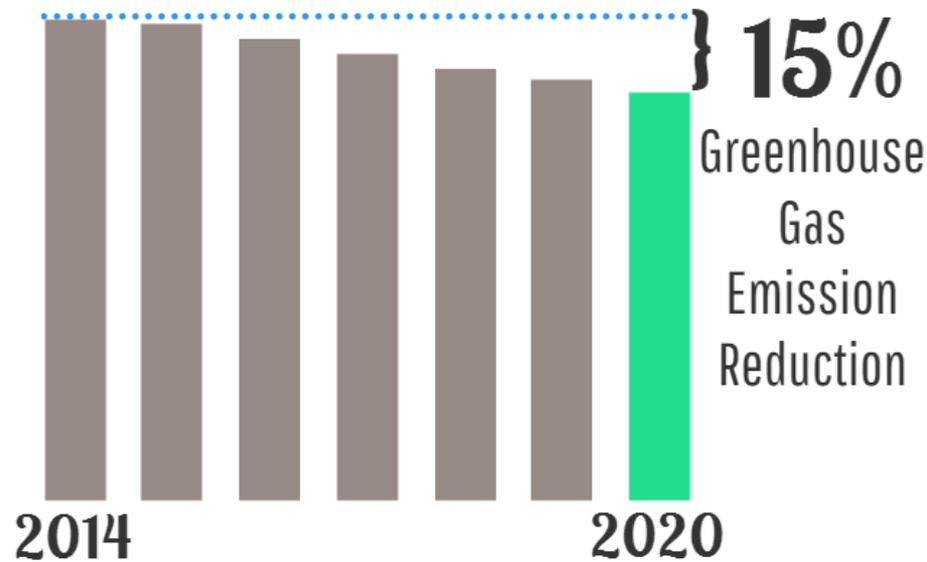
The screenshot displays the Xcel Energy website interface for a meter. At the top, the Xcel Energy logo and the slogan "RESPONSIBLE BY NATURE" are visible. Below the logo is a navigation bar with tabs for "Accounts", "Properties", "Premises", "Meters" (which is highlighted in red), and "Tenant Meters". The main content area shows a meter icon and the ID "M-0000217". A link for "« Back to List" is provided. To the right, there is a link for "Monthly Consumption". The "Meter Detail" section contains the following information:

ESPM Meter ID	17768844
Meter Name	Electric Grid Meter
Meter	M-0000217
Fuel Type	Electric
Number of Tenants	3

The "Meter Status" section shows:

Meter Connection Status	Connected
Data Privacy Status	<input checked="" type="checkbox"/>

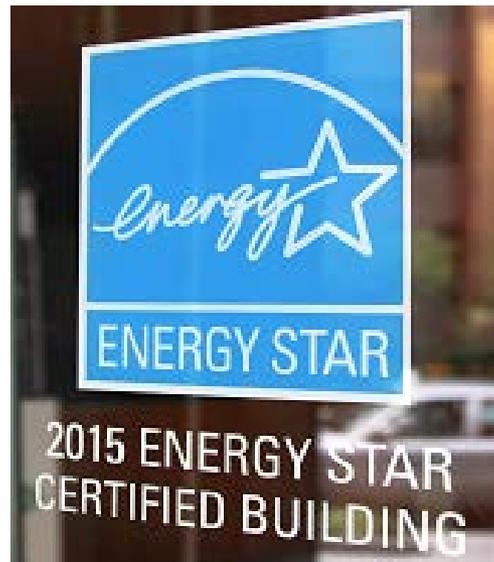
Initiative: Minneapolis Building Energy Challenge



www.minneapolisenergybenchmarking.org

Initiative: Minneapolis ENERGY STAR Certification Grants

- \$500 grants toward \$800 certification site visit



www.minneapolisenergybenchmarking.org

Initiative: Energy Efficiency Cost Share

- Cost share up to \$10,000 to help fund energy efficiency practices at Minneapolis benchmarked businesses.



- Owners must be able to provide 80% matching funds for project.

CITY OF MINNEAPOLIS
Center for Energy and Environment
Retired Engineers Technical Assistance Program
McKnight Foundation
Energy Foundation
MN Pollution Control Agency

Thank you!

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www.minneapolisenergybenchmarking.org