

Use Case Matrix Summary
CEUD Workgroup

No.	Use Case Description		What Data is Desired/Needed			Is the data available from the Utilities in the format currently maintained?	
	Submitted by:	Requestor (Who wants the data):	Use Case Type/Category	Describe the Data (kWh, Therms, Participants, etc.)	Data Interval and Frequency (interval, monthly, annual, etc.)		Granularity (describe the categories/subtotals/ data breakdowns)
1	FE	Real Estate Agents	Single Family Home sale	kWh; therms; cost	Average annual monthly data	individual building and/or meter	YES
2	FE	Real Estate Agents	Multi-family/Commercial building sale	kWh; therms; cost;	Monthly & average annual data each year	individual building; may include multiple meters	No. Utility has address data, but not maintained to capture building-specific location unless within address.
3	FE	Real Estate Agents	Multi-family/Commercial rental	kWh; therms; cost	Monthly & average annual data each year	per customer account; individual unit	YES
4	FE	Neighborhood Assoc/Community Group	Neighborhood Energy Use Assessment	kWh; therms; program participation data	Monthly & Average annual data each year	Multiple buildings within parameters of determined boundaries (i.e., neighborhood-wide, county-wide, etc.); likely broken down by customer type	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
5	FE	Homeowner or potential homeowner(?)	Single Family Home Assessment	kWh; therms; cost	Average annual monthly data	individual building and/or meter	YES
6	MEEA	Building Professional Architect or Engineer	New Building Design / Construction	kWh; Therms; Cost; Monthly / Annual Energy use in kBtus	Average annual monthly data	By Building type and size (sqft); Compare using individual building type, single/multiple meter	No. Utility has address data, but not building-specific spec's.
7	MEEA	Building Professional Architect or Engineer	Existing Building Retrofit	kWh; Therms; Cost; Monthly / Annual Energy use in kBtus	Average annual monthly data	By Building type and size (sqft); Compare using individual building type, single/multiple meter	No. Utility has address data, but no building-specific spec's.
8	MEEA	Non-Profit and/or MN Dept of Labor and Industry	Energy Code Compliance Study	kWh; Therms; Cost, Emissions; Total Annual Energy use in kBtus	Average annual monthly data;	By Building Type and size (sqft); Compare using individual building type, can be by individual or aggregated buildings/ meters	No. Utility has address data, but no building-specific spec's. .

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9	USGBC MN	Non Profit Program Manager (example ULI Regional Indicators Program)	Energy Benchmarking of a City (residential and commercial/ industrial)	All energy converted to kBtu's	Monthly consumption data	Ideally separate data for Residential, Public Buildings and Commercial/Industrial	No. Utility has address data, but not maintained to capture public buildings only.
10	USGBC MN	Public Housing Authority	Benchmarking existing portfolio for 1) identifying savings opportunities 2) commissioning of improvements/early notification of equipment problems and bill spikes, 3) developing utility allowance	kWh and therms	monthly data (benchmarking, savings opportunities, equipment performance), annual data (adequate for utility allowances)	whole building	No. Utility has address data, but not maintained to capture building-specific savings potential .
11	USGBC MN	Multi Building Manager/Owner	Benchmarking multi-tenant Commercial building with separate tenant meters	kWh, Therms, MMBTU, Ton-Hours - other common utility energy consumption units	Monthly consumption data - updated monthly	No subcategories	No - utility has address data, but not maintained to capture multi-building ownership/management
12	CEE	Research	Building	kWh, therms, participants; includes pre and post analysis of the retrofitted measure	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture building-specific program savings
13	CEE	Research	Neighborhood	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
14	CEE	Research	Geographic Area within a utility service territory	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
15	CEE	Research	Customer Segment	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	rate class	YES
16	CEE	Policy Development	Building	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	YES - by rate class
17	CEE	Policy Development	Neighborhood	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
18	CEE	Policy Development	Geographic Area within a utility service territory	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.

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19	CEE	Policy Development	Customer Segment	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	rate class	YES
20	CEE	Third-Party	Building - single tenant	kWh, therms, participants, participant address/premise number	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class/SIC code	YES
21	CEE	Third-Party	Neighborhood	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
22	CEE	Third-Party	Geographic Area within a utility service territory	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	By customer type/ rate class	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
23	CEE	Third-Party	Customer Segment	kWh, therms, participants	monthly or annual data, updated one time or at specific intervals for statistical analysis	rate class	YES
24	CEE	Third-Party	Multi-family/tenant building	kWh, therms, participants	Monthly & average annual data each year	per customer account; total building (potentially multiple meters)	No. Utility has address data, but not maintained to capture building-specific location unless within address.
25	MPLS	Local government (City or County)	Community Energy Use Assessment or Greenhouse Gas Inventory	kWh; therms; emissions factor; program participation information	Annual data, each year	Citywide data, broken down by census block group and customer type	No. Utility has address data, but not maintained to capture geo-political boundaries/neighborhood.
26	MPLS	Local government (City or County)	Public building benchmarking	kWh; therms; emissions factor;	Monthly data	By meter and aggregated by building	YES - energy only
27	XE	Individual Customer	Billed Usage History	kWh, KW, KVAR, Therms	Monthly billing data for 12-36 mo period	Individual customer	YES
28	XE	Individual Customer	Real-time Usage	KWh, KW, KVAR, Therms	Interval on a real-time or near-real-time basis	Individual customer/process	NO - HOWEVER ON-SITE INTERVAL METER PULSE OUTPUT IS AVAILABLE FOR C&I CONSUMER EQUIPMENT WITH ONE-TIME SETUP FEE

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29	XE	Individual Customer	Detailed Billed Usage	KWh, KW, KVAR	Interval on a monthly basis	Individual customer or process	YES
30	XE	Individual Customer	Payment History	Payment amounts owed and paid	Monthly billing data for 12-36 mo period	Individual customer	YES
31	XE	Individual Customer	Service Verification	Dates of service at a specific premise/address	One-time	Individual customer	YES
32	XE	Individual Customer	Credit Reference	Credit/payment history for the most recent 12 month period starting the day of request	One-time	Individual customer	YES
33	XE	Individual Customer	Gas or Electric Service	Findings of natural gas leak calls, outage/electric disruption, or other G/E service-related matter	One-time	Individual customer	YES
34	XE	Individual Customer	Current Payment (EDI/Elec Billing)	Current Billing Amount Due and Due Date	Monthly, ongoing	Individual customer	YES
35	XE	Individual Customer	Energy Assistance Agency	Billed Usage, Amounts Due and Due Date	Monthly and Monthly for a one year period	Individual customer	YES
36	XE	Individual Customer	Provide My Information to a 3rd Party	Could be any information maintained by the utility	One-time or Ongoing	Individual customer	YES
37	XE	Individual Customer	Regulatory Inquiry or Complaint	Could be any information maintained by the utility	Generally one-time	Individual customer	YES