

# 2022 Community Data Dashboard

## Xcel Energy Year-End Program Summary

### April 14, 2023

Disclaimer: The renewable energy data in this dashboard is incomplete and will be updated in a later version.



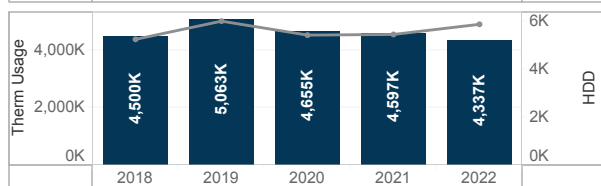
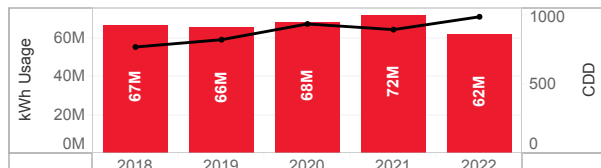
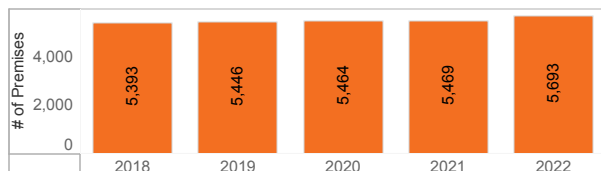
#### Superior strives to:

- Reduce combined electricity and natural gas use from Xcel Energy 10% per capita.
- Reduce greenhouse gas emissions at least 25% compared to 2005 baseline.
- Reduce ozone pollution below the EPA National Ambient Air Quality Standard (NAAQS) level.

#### Baseline

2018

#### Utility Consumption & Premise Trends

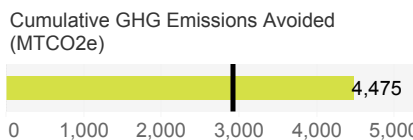
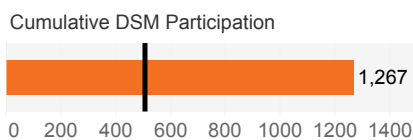
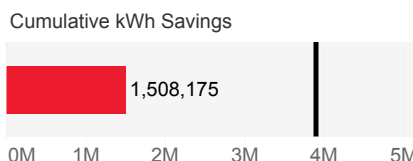


	2018	2019	2020	2021	2022
Cooling Degree Days (CDD)	771	824	938	897	990
Heating Degree Days (HDD)	5,251	6,007	5,427	5,454	5,876

Line: CDD/HDD totals; Colored Bar: Total Consumption & Premises  
Balance Temp: 65F; Source: www.weatherdatadepot.com and NOAA.gov

#### Energy Action Plan Impact

Period: March 1, 2021 to December 31, 2022



Colored Bar: Progress Black Line: Goal

#### Annual Program Trends

	2018	2019	2020	2021	2022
DSM kWh Savings	1,583,322	1,491,363	336,643	463,486	1,204,528
DSM Therm Savings	13,219	15,290	16,658	15,478	182,058
DSM Participation Count	282	266	260	305	981
Total Renewable Energy Participation	353	478	511	609	676
Total Renewable Energy kWh	1,086,504	1,206,939	2,287,433	4,461,500	2,545,166
Total DSM & RE GHG Savings	1,508	1,425	1,238	2,299	2,371

#### Annual % Change

	2018	2019	2020	2021	2022
% Change in Premise Count		1%	0%	0%	4%
% Change in kWh Usage		-2%	4%	6%	-14%
% Change in Therm Usage		13%	-8%	-1%	-6%

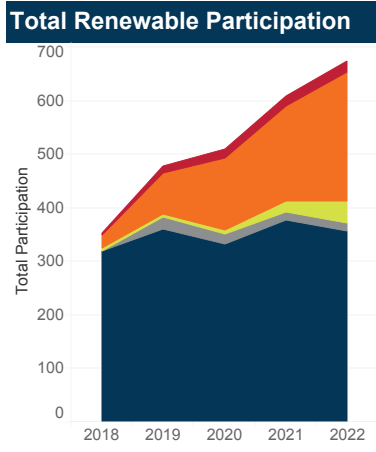
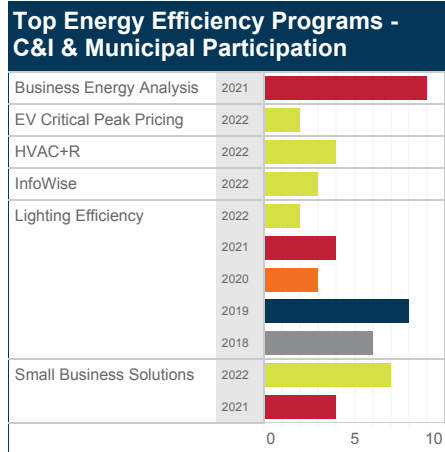
Partners in Energy is a collaboration of the Community and Xcel Energy. GHG emission estimates reflect the most accurate and current information available, but the data may change slightly after third-party verification.

Participation counts for rebate programs reflect Xcel Energy offerings only. Xcel Energy provides electricity & natural gas to the community.



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## Xcel Energy Year-End Program Summary



### Implementation Metrics

#### Energy Efficiency Program Participation

	2018	2019	2020	2021	2022
Commercial & Industrial	8	19	5	13	18
Municipal	16	8	1	7	
Residential	258	239	254	285	963

#### Renewable Program Participation

	2018	2019	2020	2021	2022
Commercial & Industrial	4	4	6	6	5
Municipal	0	0	2	39	55
Residential	349	474	503	565	616

#### Total Renewable Program kWh

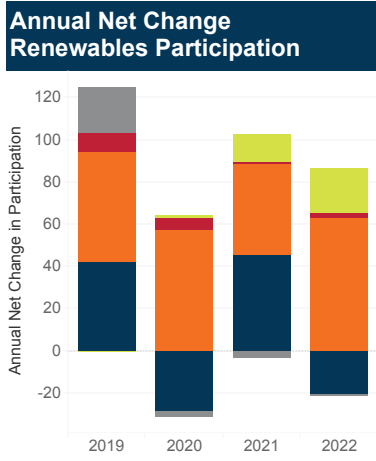
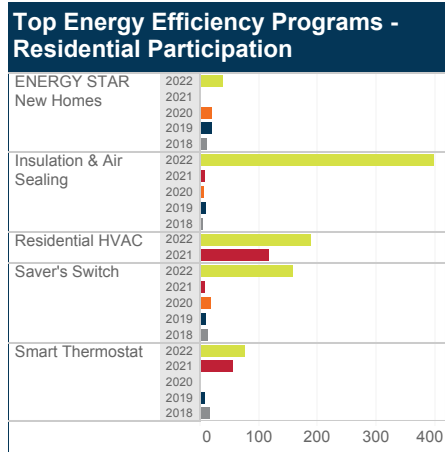
	2018	2019	2020	2021	2022
Commercial & Industrial	109,082	101,975	779,009	975,437	167,957
Municipal	0	0	75,764	1,849,721	1,341,821
Residential	977,422	1,104,963	1,432,660	1,636,342	1,035,388

#### Total Renewable Program Participation

	2018	2019	2020	2021	2022
Non-Solar*Rewards Net Metering Participation	25	77	134	177	240
Renewable*Connect Participation	0	22	19	15	15
Solar*Rewards Community Participation	6	6	7	20	42
Solar*Rewards Participation	3	12	18	19	21
Windsorce Participation	319	361	333	378	358

Historical Windsorce program data based on Community Energy Reports for 2016-2019.  
 Historical Renewable Connect program data based on Community Energy Reports for 2019.

- Program Name
- Solar\*Rewards Participation
  - Non-Solar\*Rewards Net Metering Participation
  - Solar\*Rewards Community Participation
  - Renewable\*Connect Participation
  - Windsorce Participation



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## Xcel Energy Year-End Program Summary



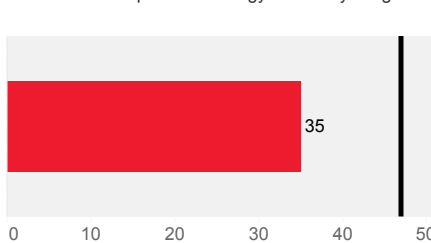
### Energy Efficiency Program Participation

	2018	2019	2020	2021	2022	
Commercial & Industrial	Business Energy Analysis			3		
	Commercial Refrigeration Eff. Cooling	1	1			
	Custom Efficiency				1	
	EV Critical Peak Pricing					2
	Energy Efficient Buildings HVAC+R	1	2			
	Heating Efficiency		1			
	InfoWise					3
	Lighting - Small Business	1	1	1		
	Lighting Efficiency	3	8	3	3	2
	Motor & Drive Efficiency			1		2
	Small Business Solutions				4	7
	Municipal	Business Energy Analysis				6
		Lighting - Small Business	8	7	1	
Lighting Efficiency		3			1	
Residential	Motor & Drive Efficiency	5	1			
	ENERGY STAR New Homes	12	21	20	2	40
	EV Purchase and Lease Re..				1	1
	Electric Vehicle Optimization					2
	Energy Savings Kits	1	5	5	3	1
	Evaporative Cooling			4		
	High Efficiency Air Conditioni..	65	42	65		
	Home Energy Audit	21	28	11	32	38
	Home Energy Squad	4	2	6	23	20
	Home Performance with EN..	1				
	Home Wiring Rebate					2
	HomeSmart					5
	Income Qualified EV Charge..					2
	Insulation & Air Sealing	5	10	6	8	399
	Refrigerator & Freezer Recy..	37	38	45	31	26
	Residential HVAC				118	189
Residential Heating	71	47	38			
Saver's Switch	13	10	19	9	158	
Single-Family Weatherization	1			1	4	
Smart Thermostat	17	9	2	57	76	
Thermostat Optimization	5	23	24			
Water Heating	5	4	9			

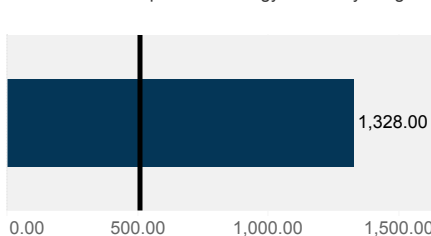
Xcel Energy filed a new DSM plan in 2021 resulting in some programs being reorganized and renamed.

### Implementation Progress

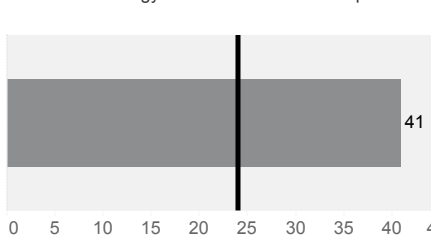
Business Participation in Energy Efficiency Programs



Household Participation in Energy Efficiency Programs



Residential Energy Star New Homes Participation



Colored Bar: Progress Black Line: Goal

### Implementation Highlights

- Identify Municipal Energy Efficiency and Renewable Energy Projects and Explore Fleet Expansion of Electric Vehicles
- Completed 6 municipal energy audits and brought recommendations to the Board to secure \$10,000 to implement recommendations (mostly lighting/HVAC upgrades)
  - Successfully incorporated \$5,000 efficiency and electrification budget for Parks and Open Space Field House Renovation
  - Secured \$18,000 in Charge Ahead grant funding Received for two chargers: one Level 2 station at the Community Center and one Level 2 station at Superior Plaza (leased office space) - private/public partnership of owners 7-8 tenants and 200 employees
  - Subscribed 100% of municipal electricity use through Windsources®
  - Hosted several EV ride and drive events, including one oriented toward staff and one oriented toward the community
- Worked with Drive Clean Colorado to identify fleet electrification opportunities
- Engage Residents in Energy Efficiency and Renewable Energy Programs, and Support Community Solar
  - Organized and Implemented Residential Home Energy Squad Challenge
    - ACES funded 40 \$50 coupons applicable to Standard and Plus visits
    - Developed a landing page to provide details and updates about the challenge
    - Challenge was kicked off at Chili and Beer fest with a summary poster and flyers
    - Challenge was promoted through multiple channels (social media, mini video, eblast, newsletter article)
  - Launched the Solarize Superior campaign
    - Attended and presented at the campaign kick off, focusing on "efficiency first"
      - Completed an energy efficiency pledge activity
      - Designed and distributed Solarize Superior flyers with "efficiency first" message
      - Distributed 10 solar phone chargers and 20 Specialty LED Kits
    - Developed stand-alone "efficiency first flyer"; distributed to Solarize Superior participants to encourage energy efficiency action
    - Developed stand-alone solar information flyer to inform sizing considerations (included "efficiency first" messaging)
  - Connected multifamily building with Xcel Energy program information
- Engage Businesses in Energy Efficiency and Renewable Energy Programs
  - Developed and mailed a post card to 50 businesses, encouraging participation in energy efficiency and renewable energy programs
  - Created talking points to support ACES in direct outreach to identified businesses
  - Distributed business efficiency flyers at the Chili and Beer Festival
  - Coordinated with PACE to host networking events (e.g., green business breakfast) and initiate the development of a green business program
- Promote Energy Efficient New Development
  - Superior Adopted IECC 2022

### Implementation Activities

ACES funded coupons for Home Energy Squad Visits	2022
Businesses connected with energy efficiency information	40
Participants in Solarize Superior	50
Municipal Facility Assessments Completed	8
Public EV Chargers funded through Charge Ahead Colorado	6
	2

