

Roseville Public Works, Environment and Transportation Commission

Agenda Item

Date: January 24, 2023

Item No: 6

Item Description: 2023 Sustainability Update

Background:

Roseville residents highly value the sustainability, natural resources, and recreational opportunities in the community, which is why the City has made it a priority to preserve, promote, and maintain these resources. Through the City's Comprehensive Plan, participation in programs such as GreenStep Cities, and projects such as the ongoing wildlife habitat restoration in city parks, Roseville continues to strive toward building a sustainable future for all residents, businesses, and visitors. For more information, see the Sustainability webpage CityOfRoseville.com/Sustainability.

As part of our sustainability work, the City participated in Xcel Energy's Partners in Energy Program. Staff worked with Xcel Energy and the Center for Energy and Environment (CEE) to move the program forward. Staff is very excited with how the program operated, and the advancements that were made to establish goals and strategies in order to reduce our greenhouse gas emissions.

The goal of the Partners in Energy Program is to create a community-based Energy Action Plan that the City can use to implement actions to lower greenhouse gas emissions. The Energy Action Plan was developed by an Energy Action Team that met five times between December 2020 and April 2021 to discuss and create the focus areas of the plan. Staff implemented the plan from June 2021 until December 31, 2022. Roseville officially graduated from the program as of January 1, 2023, but will continue to implement the Energy Action Plan as long as there are improvements that can be made. For more information, see the Partners in Energy webpage CityOfRoseville.com/Partners-in-Energy.

In 2022, the City advanced several other topics to make Roseville more sustainable, and 2023 will see even more with the addition of the Sustainability Specialist position.

Recommended Action:

Receive a presentation from staff about our sustainability programs, including our work on Partners in Energy, and provide feedback.

Attachments:

A: Presentation

Roseville Sustainability

Public Works Department



Public Works Environment and Transportation Commission

24-Jan-23

Roseville Sustainability

Green Team

On May 7, 2018, the City Council approved Resolution #11507 that named the Public Works Environment and Transportation Commission as the Green Step Cities Green Team.

- Per the resolution, the Green Team shall:
 - Approve and make available to the community an annual sustainability update report containing goals and outcomes of community plans and sustainability initiatives.
 - Evaluate existing and proposed policies to identify any overlooked opportunities for pursuing sustainability and environmental stewardship, and make recommendations for amending these policies.
 - Undertake its best efforts to communicate with and engage residents, businesses, and institutions in the implementation of sustainable practices to help meet City goals.
 - Advise City staff members and officials on efforts to educate community members about the City vision and ongoing opportunities to participate in sustainability initiatives.
 - Collect feedback from the community and provide recommendations for utilizing this feedback to improve City practices and programs.
 - Provide recommendations for further research and programs to implement in the City to promote sustainability and protect the environment.



Roseville Sustainability

What we've done

2009

- 2030 Comp Plan Process (adopted)
 - U.S. Mayors Climate Protection Agreement (2007)
 - Emissions inventory using the Clean Air Climate Protection Software
- Geothermal system

2012

- RCA to support pursuing Green Step Cities (GSC)
- U of M Sustainability Studies
- Clean Energy Resource Team (CERTs)

2014

- RCA to become a GSC
- PWETC Presentation on GSC
- Entered best practice information into GSC website
- Solar Investigation

Roseville Sustainability

What we've done

2015

- B3 Benchmarking

2016

- Solar Investigation
- Campus Energy Audits

2017

- U of M Capstone projects: Green Step Cities, Complete Streets, + additional
- Vulnerable Population Assessment

2019

- Solar installations on City Hall, Fire Station, & Maintenance Facility
- Council approval of Complete Street Policy & Environmentally Preferable Purchasing Policy (EPPP)
- Green Step City – Step 3 recognition

Roseville Sustainability

What we've done

2020

- Advanced & implemented the Environmentally Preferable Purchasing Policy
- Received a Minnesota GreenCorps member in September
- Promoted BizRecycling Program through Ramsey County
- Applied for Xcel Energy's Partners in Energy program
- Expanded and promoted compost collection in City buildings
- City became a Step 4 GreenStep City

2021

- Xcel Energy's Partners in Energy program
 - Established an Energy Action Team
 - Created an Energy Action Plan
 - Started implementing the Energy Action Plan
- Created the framework for a Voluntary Energy Benchmarking Program
- Expanded the number of public buildings in our B3 Benchmarking Program
- City became a Step 5 Green Step City
- Won the Best of B3 Benchmarking Award

Roseville Sustainability

What we've done

2022

- Implemented our Energy Action Plan (more to follow)
- Maintained Green Step City Step 5, and expand our current list of best practices
- Created a plan to add EV Charging Stations at public facilities
- Sustainable Steward Program
- Graduated from Xcel Energy's Partners in Energy Program
- 2022 Intercity Challenge (Home Energy Squad Visits)
- Bi-monthly Sustainability Newsletter
- Created a Roseville Sustainability Logo

2023

- Sustainability Specialist Position
- Less Mow May

Roseville Sustainability

Events



ZEROWASTE

Zero Waste Events

- Earth Day
- Taste of Rosefest
- Run and Roll for the Roses
- Wild Rice Festival
- Tapped & Uncorked – *new in 2022*

RESULTS

Eureka Recycling was happy to partner with the Friends of Roseville Parks and The City of Roseville this year to coordinate recycling and composting planning and services for the 8th Annual Tapped & Uncorked event.

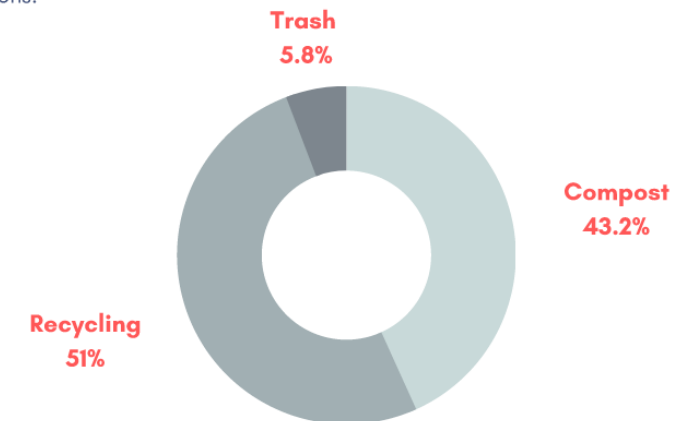
This year's results:

- Compostables = 112 pounds
- Recyclables = 132 pounds
- Landfill/Incinerator = 15 pounds

Total discards: 259



In total, 94% of materials generated at the 8th Annual Tapped & Uncorked were either composted or recycled and diverted from the landfill or incinerator. Congratulations!



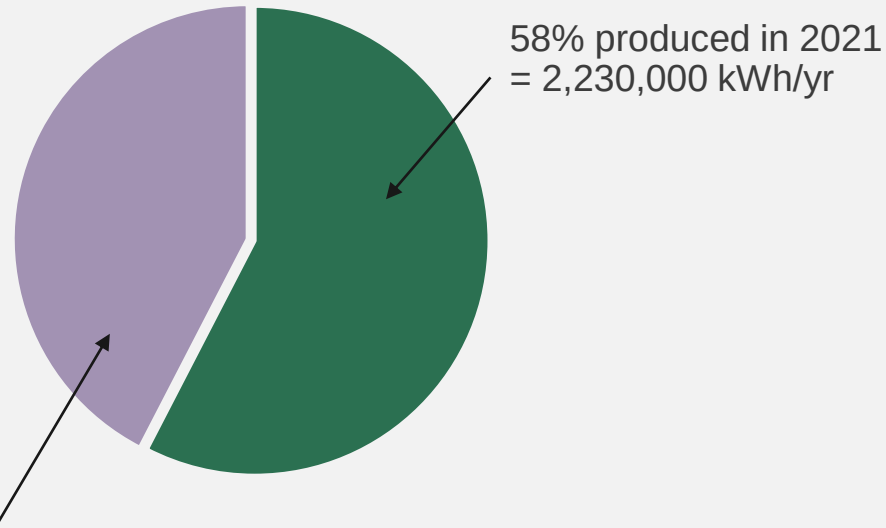
"Mission-based for zero waste!"

Roseville Sustainability

2040 Comp Plan Goals

How is Roseville doing in meeting the 2040 Comp Plan energy goals?

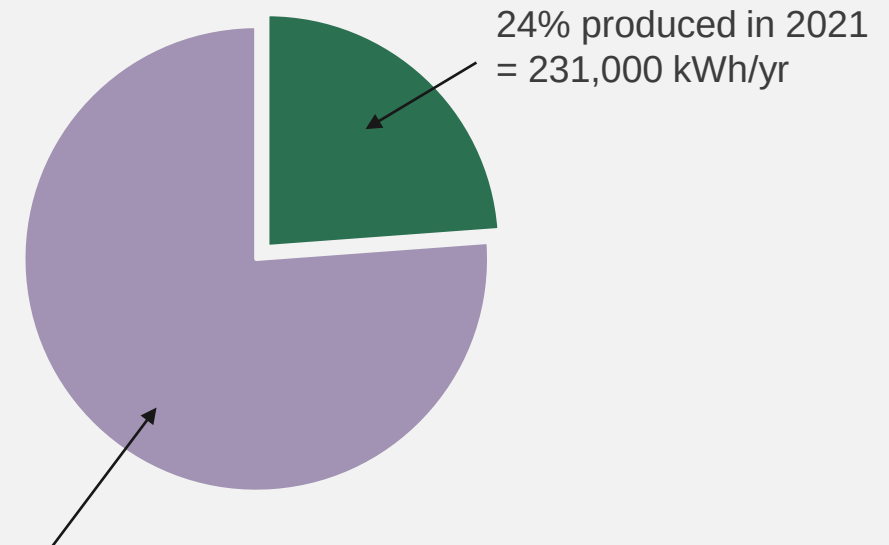
100% Renewable of City Operations
(3,873,000 kWh/yr)



To meet our goal, we need to increase our use of Renewable Resources by 42% (1,642,000 kWh/yr)

Roseville has ~1,200,000 kWh in a Community Solar Garden in Washington County that should come online in late 2022 (~11% or 442,000 kWh remaining to meet goal)

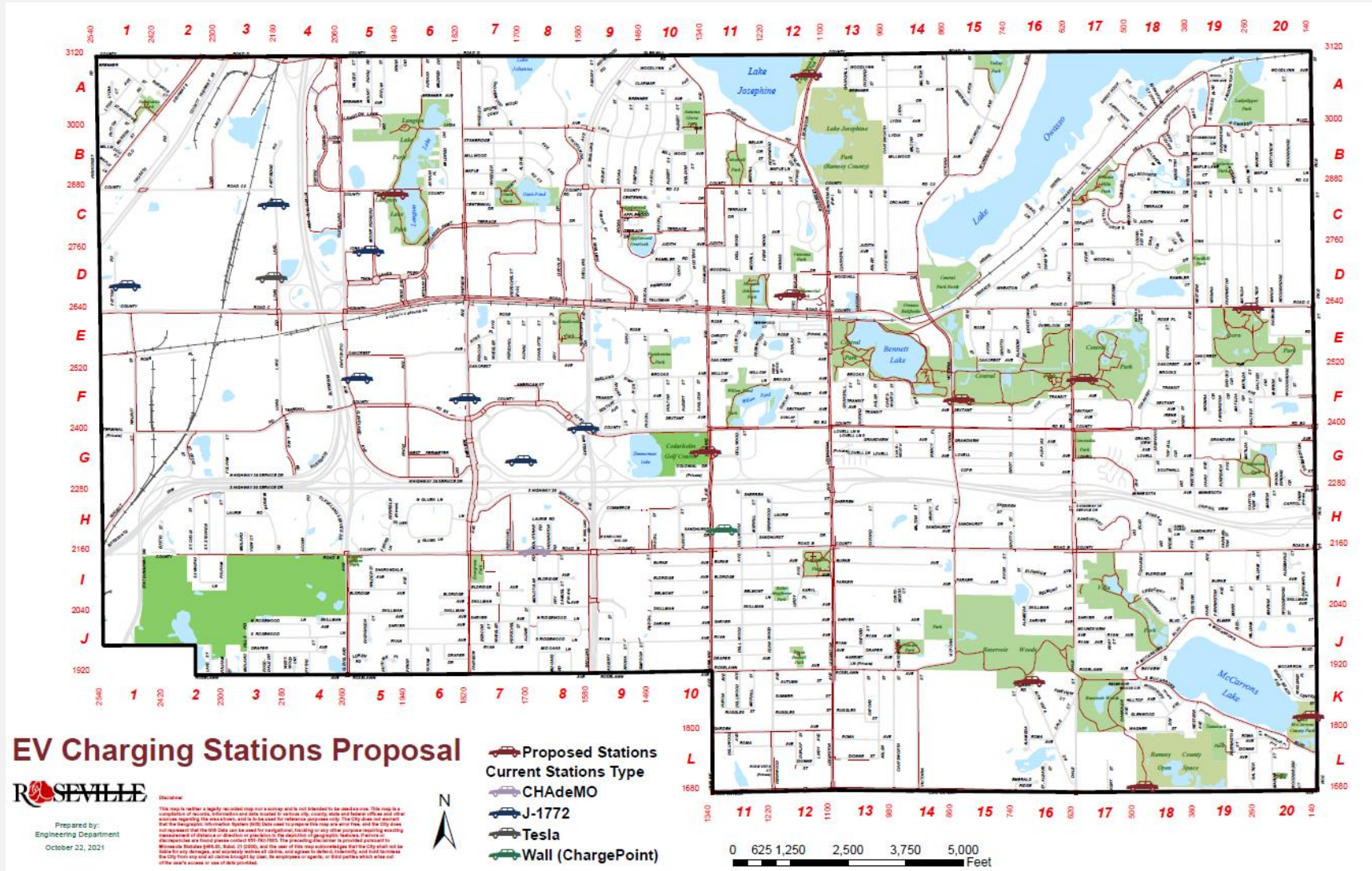
25% of City Operations produced onsite
(968,000 kWh/yr)



To meet our goal, we need to increase our onsite generation by 76% (738,000 kWh/yr)

Roseville Sustainability

EV Charging



Roseville Sustainability

EV Charging

retrofitcompanies.com

Retrofit Electric

ROSEVILLE CITY HALL EV CHARGING PROPOSAL

4/08/2022



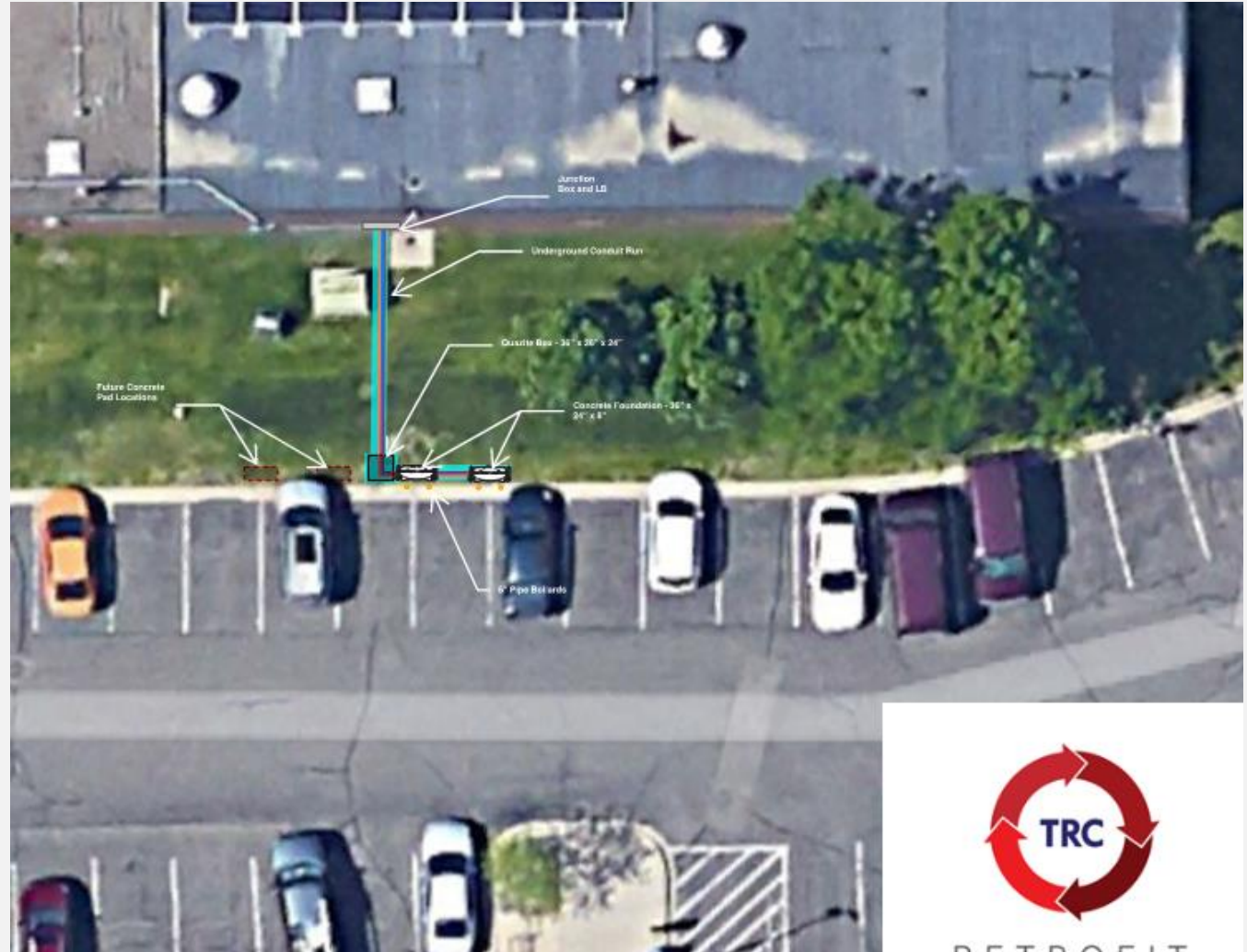
RETROFIT
ELECTRIC

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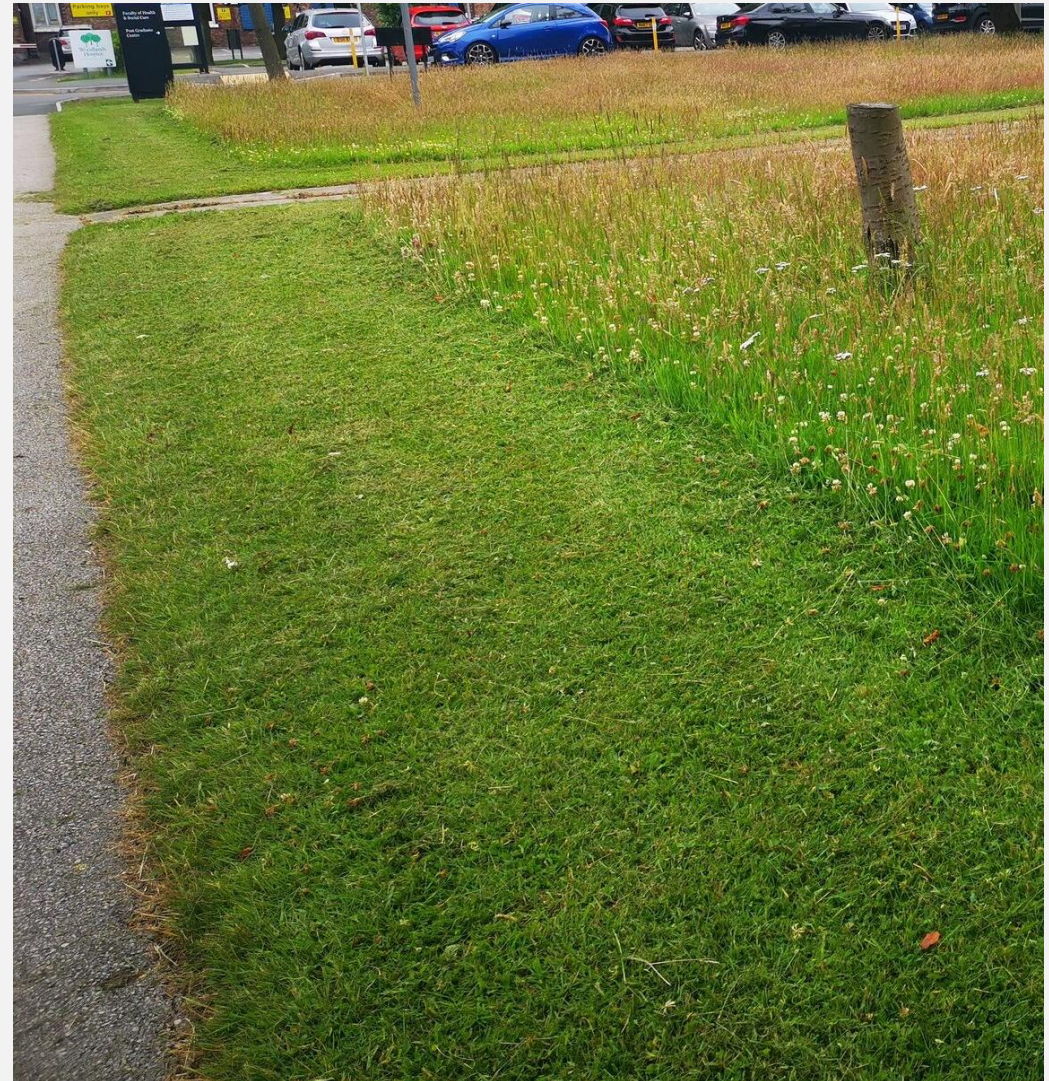


RETROFIT
ELECTRIC

Roseville Sustainability

Less Mow May

Council adopted Resolution (Jan 9, 2023)



Roseville Sustainability

2022 Accomplishments

- Created a Sustainable Steward Award Program to recognize properties that make energy efficient improvements
- Maintained GreenStep Cities Step 5
- Created a bi-monthly newsletter that focuses on Sustainability
- Created an EV resource page on the city website for residents
- Developed sustainability branding/logo for the city alongside Sustainable Steward Award Program
- Worked with Community Development and HKGI to add new sustainable land use incentive checklist to phase 2 zoning code update
- Attended several events to promote sustainability: Earth Day, Rice/Larpenteur Alliance – Community in Bloom & Summer Block Party, Taste of Rosefest, and LWV EV Fair)



Sustainability Newsletter

Public Works &
Engineering Division

JANUARY/FEBRUARY 2023



Sustainability Tip of the Month—Post-Holiday Waste



Partners in Energy Graduation



Smart Salting Tips



Renewable Energy Subscriptions

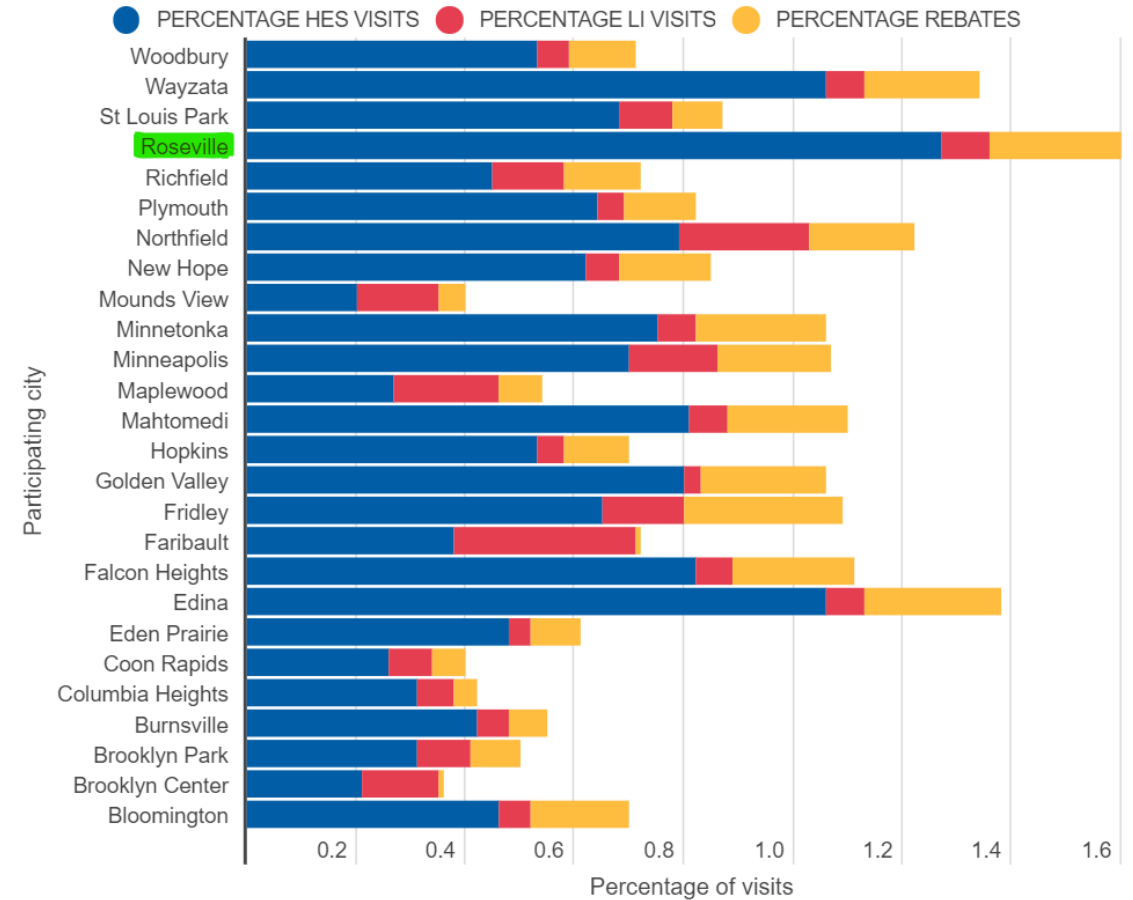
Contact Us:

Roseville Sustainability

2022 Accomplishments

- Contacted over 3,000 households, including 1,500 low-income households, with information about energy saving rebates, the Energy Assistance Program, and Home Energy Squad opportunities
- Contacted over 100 businesses and visited 60 in person to promote free energy audits for businesses
- Roseville leads cities participating in the Intercity Home Energy Squad Challenge in Home Energy Squad visits per capita as of December 2022
- Gave away over 20 free HES visits to residents (and counting) to help Xcel Energy and CEE promote Home Energy Squad
- Distributed over 500 flyers to local food shelves and food distribution events
- Worked to translate our Energy Burden flyer into Nepali for local Bhutanese immigrants

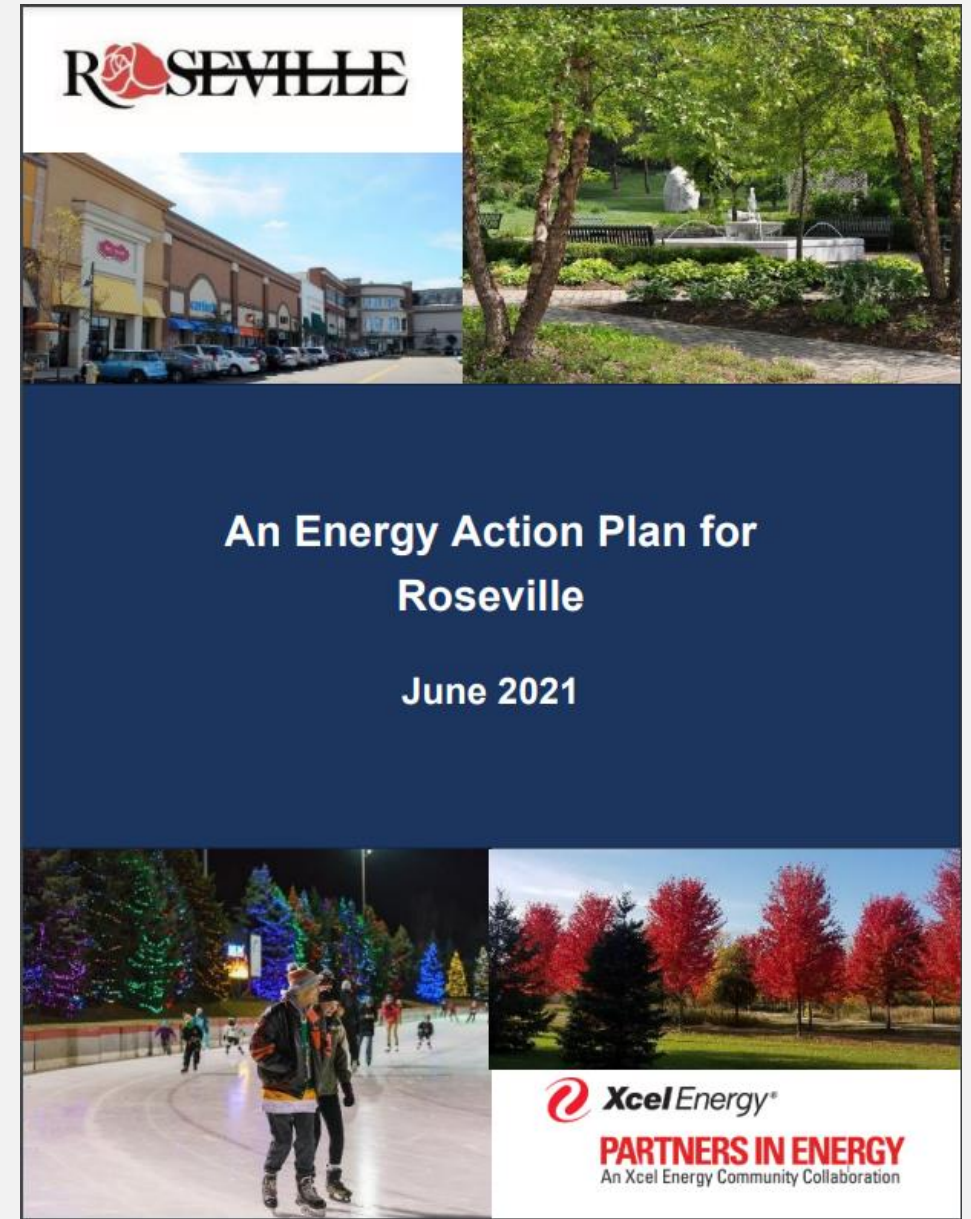
2022 Intercity Challenge Standings (Percentage)



Roseville Sustainability

Partners in Energy Update

- Ultimate planning phase outcome
- Plan for pursuing the Community's Energy Vision
- Guides implementation
- Adopted by City Council 21-Jun-21
- Timeline
 - Development: Dec 2020 – June 2021
 - Implementation: June 2021 – Dec 2022
 - Graduation: Dec. 31, 2022
 - Continued implementation: Jan 2023 - ?



Roseville Sustainability

Partners in Energy Update

2022 Implementation

- Contacted over 3,000 households, including 1,500 low-income households, with information about energy saving rebates, the Energy Assistance Program, and Home Energy Squad opportunities
- Contacted over 100 businesses and visited 60 in person to promote free energy audits for businesses
- Attended 7 local events throughout the year to promote energy efficiency & renewable energy
- Roseville leads cities participating in the Intercity Home Energy Squad Challenge in Home Energy Squad visits per capita as of December 2022
- Gave away over 20 free HES visits to residents (and counting) to help Xcel Energy and CEE promote Home Energy Squad
- Distributed over 500 flyers to local food shelves and food distribution events
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PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Implementation for 2023

- Partner with Faith Organizations
- Expand outreach to reduce energy burden
- Continue implementing Energy Action Plan (post graduation)
 - Additional presentations, webinars, etc. for our focus areas
 - Door to door handouts for small and medium business energy efficiency
 - Tabling at City events
 - Additional mailings, web updates, and social media posts to increase awareness
 - Continue to work with our current partners and create new partners to expand our reach



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Roseville Sustainability

2023 Opportunities

- Initial steps for a Climate Action Plan
 - Applied for MPCA Resiliency Grant (Jan 2023)
- Apply for MPCA EV Charging Grant (Feb 2023)
- Energy Action Plan implementation
 - Focus on Faith Organizations, Energy Burden
- Sustainability website updates
- Expand GreenStep Cities best practices and participate in the Gold Leaf Pilot Program
- Electric Vehicle planning (public charging and fleet electrification)
- Expansion of Parks Recycling, including Education and Outreach
- Environmentally Preferable Purchasing Policy (EPPP)
- Take-out containers



Roseville Sustainability

2023 Opportunities

- Less Mow May education & outreach
- Roseville Sustainable Steward Award Program
- B3 & GreenStep Cities updates and expansion
- Bi-monthly Sustainability newsletter
- Voluntary energy benchmarking program
- Sustainable land use incentives implementation with Community Development (hopefully)
- Community outreach & sustainability event planning
 - Earth Day
 - Rice/Larpenteur Alliance – Community in Bloom, Summer Block Party, Winter Warmup
 - Taste of Rosefest, Tapped & Uncorked
- Inflation Reduction Act education & outreach (residents & businesses)
- Bike planning



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Additional Topics

- Green Building Guide
 - Saint Paul Sustainable Building Policy
 - Maplewood Green Construction Code
- Determine corridors for Complete Streets
- Determine areas for pollinator friendly right-of-ways
- Urban Forestry
- Research renewable energy options within the City
 - City Buildings, Residential and Commercial districts, etc.
- Green Team Description & Tasks
- 2040 Comp Plan Chapter 9 – Resilience and Environmental Protection
- Expansion of Organics/Food Scraps recycling



Q & A

Questions?



THANK YOU

Public Works Department