

SUSTAINABILITY WORKSHOP

**CITY OF NAPERVILLE IN PARTNERSHIP
WITH NAPERVILLE ENVIRONMENT AND
SUSTAINABILITY TASK FORCE (NEST)**

August 31, 2021

AGENDA

- ▶ Public Forum
- ▶ Overview of agenda
- ▶ Introductions
- ▶ Opening comments
- ▶ Highlight sustainability accomplishments to date
- ▶ NEST and an overview of Sustainable Naperville 2036
- ▶ Review of initiatives that are completed or currently underway
- ▶ Presentation of Immediate Plan recommendations
- ▶ Five-year Plan recommendations
- ▶ Proposed Outreach/Engagement initiative
- ▶ Decision Matrix and Council consensus
- ▶ Adjourn

INTRODUCTIONS

- ▶ Ben Mjolsness, Sustainability Coordinator
- ▶ Jodi Trendler, NEST, Founder and Outgoing Chair
- ▶ Cathy Clarkin, NEST, Incoming Chair

DECISION MATRIX

Action Item No.	Municipal Operation Strategy Category	Staff Recommendation	Council Consensus	
			Yes	No
1	Immediate Plan (7)	Concur with Immediate Plan (Current – December 2022)		
2	Five-year Plan (32)	Concur with Five-year Plan (2023 – 2028)		
3	Outreach and Engagement	Direct staff to continue working with NEST and other community partners to design and conduct outreach and engagement efforts for different audiences and groups (2022 – 2023)		

SUSTAINABILITY ACCOMPLISHMENTS TO DATE

- ▶ Solar Installation at Water Reclamation Center in 2021
 - ▶ Collaborated with IMEA and partners to install 3,348 solar panels at the City's Springbrook Water Reclamation Center
- ▶ Compressed Natural Gas Fueling Station in 2020
 - ▶ Trillium funded the \$3 million construction costs with the help of a \$300,000 Drive Clean Chicago grant secured by the City in 2016
 - ▶ The City's refuse and recycling contractor Groot Industries agreed to a long-term gas purchase agreement with Trillium
- ▶ SolSmart Silver Designation in 2019
 - ▶ Reduce barriers to solar energy growth and make it easier for homes and businesses to go solar
- ▶ Illinois Governor's Sustainability Award 2016
 - ▶ Water Leak Detection Survey, Household Hazardous Waste Facility, Recycling Cart Program, and the Emerald Ash Borer Treatment Program

WHO IS NEST?

MISSION:

The Naperville Environment & Sustainability Task Force was established to assist, inform and advise administrative and elected officials of the City in identifying and prioritizing sustainability initiatives for the community in order to ensure a high standard of livability, achieve sustainable management of natural resources, and maintain economic prosperity.



CURRENT NEST VOLUNTEER POSITIONS

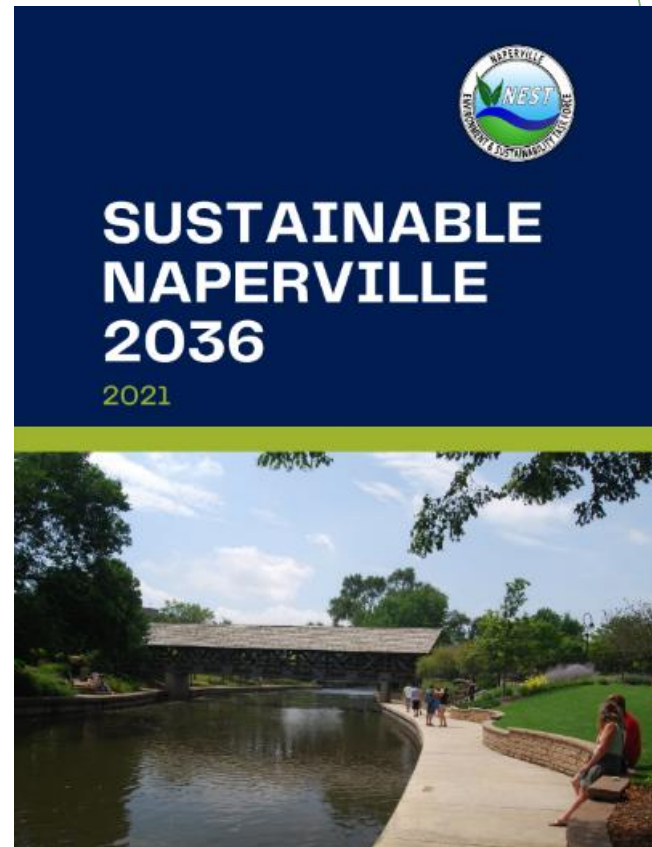
Jodi Trendler (Chair, Lead Author)		
Alexandra Moxon	Dan Knotter	Marilyn Schweitzer - Webpage
Amit Shukla	David Brau	Mark Urda
Amy Coffman Phillips* - Building & Development	Dean Olson* - Community Engagement, Waste	Marta Suarez
Andres Sussaret* - Innovation, Best Practices	Doug Deutsch	Maureen Stillman* - Energy
Ariana Cairo	Duncan Hughes	Michael Nicholas (Co-chair)
Barbara Benson* - Building & Development	Everton Waters	Michelle Ackman
Becky Simon	Greg Hubert* - Energy Contract	Mimi Cowan
Beth Schwartz* - Waste	Howard Salk	Patrick Caruso
Bill Dawe	Jason Morin	Rob Sargis* - Metrics and Measurements
Bill Simon	Jeff Gross	Ryan Lavelle
Bruce Jones* - EV Transportation	Jeff Krull (Co-chair)	Shalini Gupta
Cath Biagioli* - Communications	Joe McElroy	Stephanie Downs Hughes
Catherine Franczyk	Josh Cusack	Terry Schuster
Cathy Clarkin (Co-chair)* - Natural Resources	Lucy Chang-Evans	Thomas Coleman
Cathy Pawlowski	Kelly Andereck	Thomas Craighead
Craig Schneider	Kristina Murphy	Vikas Chandola
<i>*Committee chair</i>		Wayne Bollinger

SUSTAINABLE NAPERVILLE 2036

OBJECTIVE:

Increase community-wide sustainability and reduce greenhouse gas emissions

- ▶ Collaborative effort
 - ▶ NEST
 - ▶ City staff
 - ▶ Community organizations
- ▶ 15-year vision
- ▶ Research based
- ▶ Reference for best practices
- ▶ Community-wide application
- ▶ Living document



NEST PROPOSED STRATEGIES FOR MUNICIPAL OPERATIONS

- ▶ Municipal Leadership
 - ▶ Integrate goal of emission reduction across operations and decisions
 - ▶ Serve as coordinating body for recommendations
- ▶ Energy
 - ▶ Transition to clean, renewable energy
 - ▶ Community electricity generation of 25% by 2036
 - ▶ Increase and incentivize energy efficiency
 - ▶ Reduce natural gas consumption
 - ▶ Outreach and engagement

NEST PROPOSED STRATEGIES FOR MUNICIPAL OPERATIONS

- ▶ Transportation and Mobility
 - ▶ Develop plan for electric vehicle infrastructure
 - ▶ Increase public transportation use
 - ▶ Reduce vehicle miles - increase bikeability and walkability
 - ▶ Outreach and engagement
- ▶ Waste
 - ▶ Increase recycling
 - ▶ Develop and incentivize circular economy
 - ▶ Promote reduction of single use plastics and disposables
 - ▶ Develop reusable culture
 - ▶ Promote and incentivize Zero Waste measures and create a community-wide Zero Waste plan
 - ▶ Assess transition of Springbrook WWT to anaerobic
 - ▶ Outreach and engagement

NEST PROPOSED STRATEGIES FOR MUNICIPAL OPERATIONS

- ▶ Natural Resources
 - ▶ Maintain urban forest
 - ▶ Increase urban forest
 - ▶ Replace high maintenance lawn with deep-rooted vegetation
 - ▶ Transition to electric lawn equipment
 - ▶ Encourage green roofs
 - ▶ Encourage water conservation
 - ▶ Assess, maintain, restore, and conserve ecosystem services
 - ▶ Outreach and engagement
- ▶ Building and Development
 - ▶ Reduce GHG through regulated energy efficiency and increased responsible construction practices
 - ▶ Outreach and engagement

COMPLETED OR CURRENTLY UNDERWAY

- ▶ Municipal Leadership
 - ▶ Create and hire Sustainability Coordinator position (June 14, 2021)
 - ▶ Re-establish interdepartmental Sustainability Team (July 7, 2021)
- ▶ Energy
 - ▶ Promote Nicor efficiency programs
- ▶ Transportation and Mobility
 - ▶ Use of “Complete Streets” codes on appropriate projects
 - ▶ Assess/promote safe routes to school
 - ▶ Transition 60% of municipal light-duty vehicle fleet to alternative fuel/hybrid electric by 2030
- ▶ Waste
 - ▶ Establish free e-recycling (nominal charge for some screen items)
 - ▶ Continue Household Hazardous Waste facility collection
 - ▶ Develop/implement/incentivize composting
 - ▶ Update Commercial Scavenger permit, Special Events, and SECA Grant Fund applications to capture waste/recycling data and sustainability efforts

COMPLETED OR CURRENTLY UNDERWAY

- ▶ Natural Resources
 - ▶ Continue Arbor Day Tree sale and expand outreach
 - ▶ Continue to encourage use of deep-rooted and low-growing vegetation
- ▶ Building and Development
 - ▶ Coordinated permit review and field inspections
 - ▶ As-built energy efficiency standards are applicable for new construction projects and staff is determining feasibility for minor remodels in accordance with International Code Council (ICC)
 - ▶ Letter drafted by NEST inviting developers to contact them to learn about sustainable practices is now being distributed at TED concept meetings
 - ▶ Rebates for rain barrels and the Conservation Foundation has Rain Garden Education Program

IMMEDIATE PLAN (CURRENT - DECEMBER 2022)

- ▶ Municipal Leadership
 - ▶ Create a process for multi-stakeholder collaboration including City staff, NEST, residents, and businesses to regularly evaluate and address progress
 - ▶ Develop and implement a Green Purchasing Program
 - ▶ Develop appropriate metrics and reimplement publishing the Sustainability Report on a biannual basis
- ▶ Energy
 - ▶ Statement from the City supporting IMEA's continued efforts to replace fossil fuels with renewables
 - ▶ Determine feasibility of Demand Response and Time-of-Use fee structure
- ▶ Natural Resources
 - ▶ Develop Electric Lawn Equipment Incentive Program
- ▶ Transportation and Mobility
 - ▶ NEST to conduct walkability and bikeability assessments

FIVE-YEAR PLAN (2023 - 2028)

- ▶ City staff and NEST have aligned on a Five-year Plan encompassing 32 initiatives across all six municipal operation strategy categories
 - ▶ Municipal Leadership (9)
 - ▶ Energy (7)
 - ▶ Transportation and Mobility (5)
 - ▶ Waste (4)
 - ▶ Natural Resources (3)
 - ▶ Building and Development (4)
- ▶ Staff will continue to work with NEST and local and regional partners to implement strategies designed to combat climate change by reducing emissions as well as providing for a sustainable and resilient Naperville

OUTREACH AND ENGAGEMENT (2022 - 2023)

- ▶ Initiatives, as proposed, are outside the scope and authority of municipal government
- ▶ Combined initiatives from across municipal operation strategy categories that have an outreach/engagement component
- ▶ Envisioned as a multi-jurisdictional partnership
 - ▶ NEST
 - ▶ Naperville Park District
 - ▶ D203 and D204
 - ▶ Library
 - ▶ Naper Settlement
 - ▶ Chamber of Commerce
- ▶ Components introduced as completed with all components in place by mid-2023

DECISION MATRIX

Action Item No.	Municipal Operation Strategy Category	Staff Recommendation	Council Consensus	
			Yes	No
1	Immediate Plan (7)	Concur with Immediate Plan (Current – December 2022)		
2	Five-year Plan (32)	Concur with Five-year Plan (2023 – 2028)		
3	Outreach and Engagement	Direct staff to continue working with NEST and other community partners to design and conduct outreach and engagement efforts for different audiences and groups (2022 – 2023)		

Thank you!

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light to dark. These shapes are primarily located on the right side of the frame, creating a modern, layered effect. The rest of the background is plain white.