

**ENVIRONMENTAL SUSTAINABILITY COMMITTEE MEETING**  
**Tuesday, July 12 – 4:00 PM**  
**City Hall, 220 E. Deerpath**

**AGENDA**

- I. CALL TO ORDER AND ROLL CALL**
- II. INFORMATIONAL ITEMS (:05 – :15 per item)**
  - a. UPDATE ON RETHINK RECYCLING CAMPAIGN – Mike Strong, Assistant City Manager**
- III. ACTION ITEMS (:10 - :15 per item)**
  - a. APPROVAL OF JUNE 15, 2022 MEETING MINUTES**
  - b. DIRECTION ON NEW SOLAR GENERATION FACILITIES PROJECT – Mike Strong, Assistant City Manager**
- IV. DISCUSSION ITEMS (:15 - :20 per item)**
- V. ADDITIONAL ITEMS (Packet Material Only)**
  - a. STATUS REPORT ON SUSTAINABILITY INITIATIVES & PRIORITIES**
- VI. PUBLIC COMMENT**
- VII. NEXT MEETING DATE(S) – AUGUST 17, 2022**
- VIII. ADJOURNMENT**

# Summer Internship Program 2022

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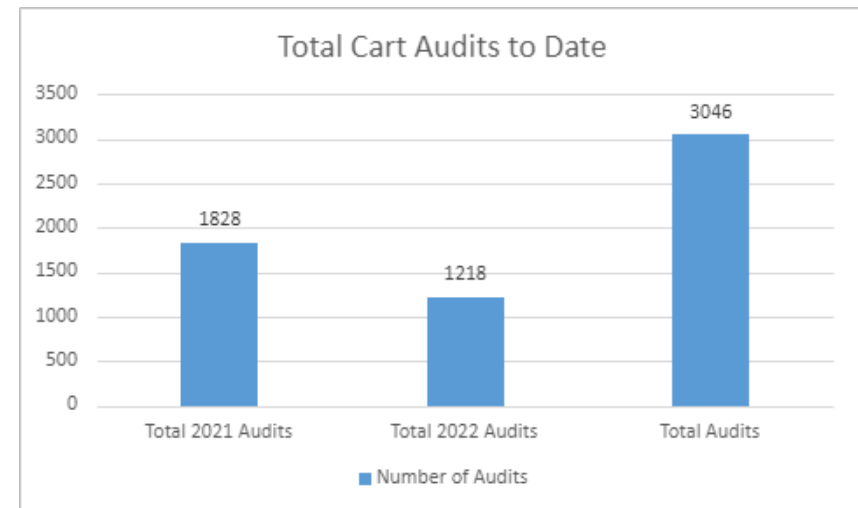
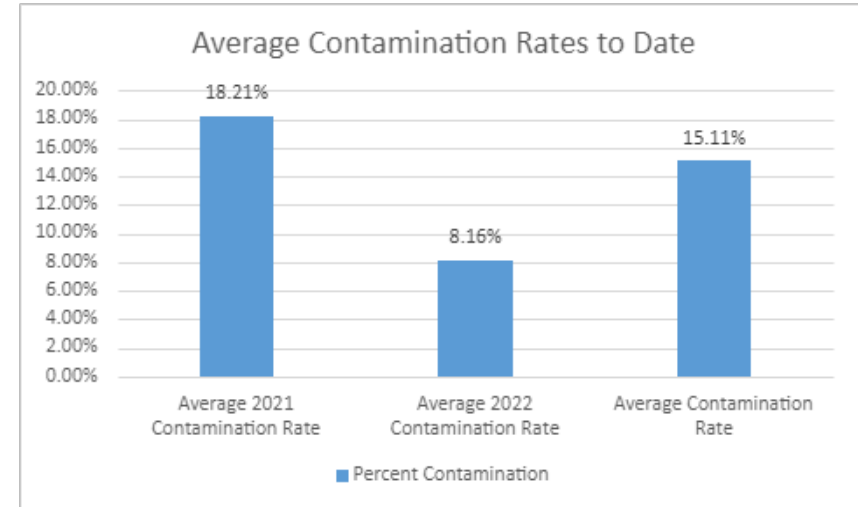
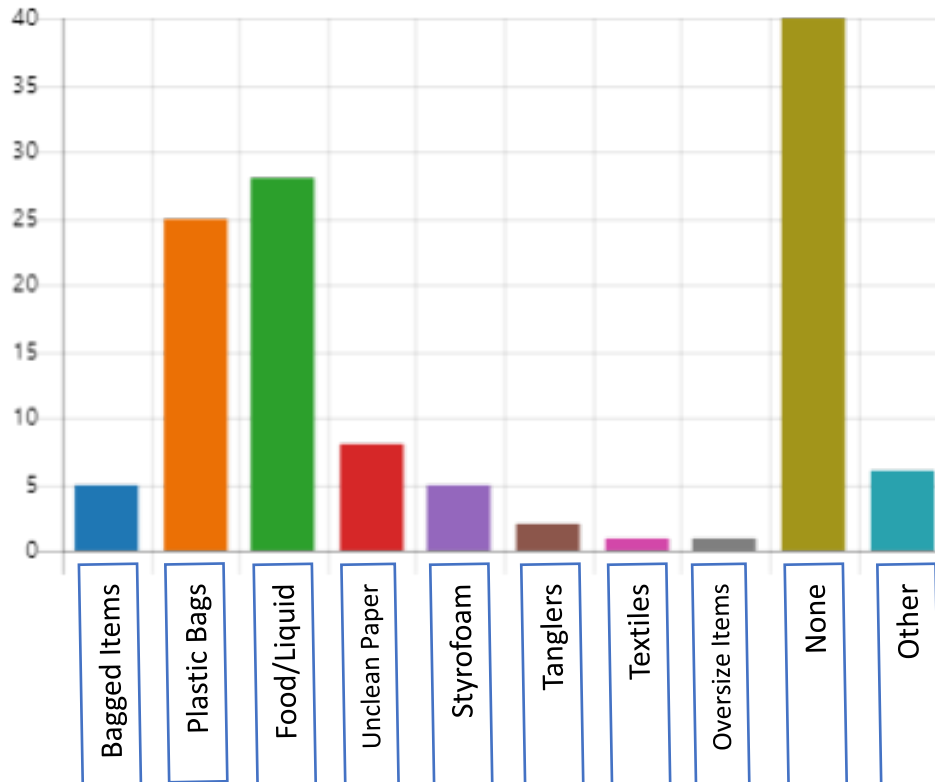
- The City hired two new interns again this year to help with the Rethink Recycling Campaign – Samantha and Alma!
  - Just like last year, the interns were funded by a grant given to the City by the Garden Club & from a private donation
- Interns spend their time doing curbside cart checks, community outreach pop-ups to educate the community, and education through social media.



# Curbside Audit Summary

- So far, Interns have collected data from over 1400 curbside residential carts. (June-Present)
- Data describes contaminants and contamination percent per cart.
- Average contamination rate this year is approximately **8.16%**

Contamination Data Found on One day (07/05/2022).



1 ENVIRONMENTAL SUSTAINABILITY COMMITTEE MEETING  
2 Wednesday, June 15, 2022 – 4:00 P.M.  
3 **REMOTE ACCESS MEETING**  
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6 **I. ROLL CALL/CALL TO ORDER**  
7

8 Chairman Melanie Rummel called the meeting to order at 5:00 P.M. Aldermen  
9 Jim Preschlack and Eileen Weber were present.

10  
11 Staff in attendance included Mike Strong, Assistant City Manager; Cathy  
12 Czerniak, Director of Community Development; Chuck Myers, Superintendent of  
13 Parks & Forestry; Dan Martin, Superintendent of Public Works; and Tom Herrod,  
14 Senior Program Officer with ICLEI.  
15

16 Chairman Rummel made the following statement as required by the Open  
17 Meetings Act. In accordance with state statute, Chairman Rummel has made a  
18 determination that it was not practical or prudent to schedule an in-person  
19 Committee meeting because of the COVID-19 pandemic, which is why the April  
20 20, 2022 Environmental Sustainability Committee meeting is being held remotely.  
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23 **II. INFORMATIONAL ITEMS**  
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25 **a. UPDATE ON LAKE COUNTY FOREST PRESERVE BUCKTHORN**  
26 **CAMPAIGN**  
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28 Catherine Czerniak, Director of Community Development, provided an  
29 update on the Lake County Forest Preserve's buckthorn campaign. She  
30 provided information on the status of the project and partnership with the  
31 Forest Preserve, and work that was being completed around the  
32 community. Ms. Czerniak outlined various feedback the City had received  
33 regarding the work and restoration efforts, and stated the City was  
34 working closely with the Forest Preserve to prepare them for a more formal  
35 presentation on the work in the fall.  
36

37 Chairman Rummel asked if there were any additional comments or  
38 questions from the Committee. The Committee discussed feedback they  
39 received from residents and asked about specific projects that were  
40 underway in the Academy Woods area.  
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42 Chairman Rummel asked if there were any additional questions or  
43 comments from members of the public.  
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45 Seeing none, she moved to the next agenda item.  
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47 **III. ACTION ITEMS**  
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**a. APPROVAL OF APRIL 20, 2022, MEETING MINUTES**

Alderman Weber moved to approve the April 20, 2022, Environmental Sustainability Committee meeting minutes. Alderman Preschlack seconded the motion. The motion carried unanimously by roll call vote.

**IV. DISCUSSION ITEMS**

**a. REVIEW OF CITY-WIDE GREENHOUSE GAS EMISSIONS INVENTORY**

Assistant City Manager Mike Strong reviewed a presentation outlining the results of the city-wide emissions inventory that had been completed. He provided an overview of emissions definitions, major emissions categories, and next steps the Committee may consider with regard to the inventory. He stated that work was going to continue on developing forecasts for emissions which would be made at a later date.

Chairman Rummel asked if there were any additional comments or questions from the Committee. The Committee had a lengthy discussion about using the data to drive future initiatives, how to prioritize high impact areas the City has control over, and how the City could help raise awareness for emissions areas to change behavior. The Committee suggested that content be developed in future communications planning, and engage local education institutions, to start building awareness for greenhouse gas emissions within the community.

Chairman Rummel asked if there were any additional questions or comments from the Committee.

Seeing none, Chairman Rummel asked if there were any questions or comments from members of the public.

Seeing none, she moved to the next agenda item.

**b. UPDATE ON ROOFTOP SOLAR PROJECT**

Assistant City Manager Mike Strong provided a brief update on the rooftop solar project at the Public Safety Building. He stated that he and the City's energy consultant were in the process of meeting with ComEd officials to learn more about how the franchise accounts might accommodate solar generating facilities so that the City could realize energy savings.

**V. ADDITIONAL ITEMS**

Assistant City Manager, Mike Strong, reviewed an update on the current projects that are underway including an update on the greenhouse gas emissions inventory and stormwater management projects. The

97 Committee held a discussion regarding projects that were planned and  
98 underway.  
99

100 **VI. PUBLIC COMMENT**

101 Chairman Rummel asked if there were any public comments on any non-  
102 agenda items.  
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104  
105 Seeing none, Chairman Rummel moved to the next agenda item.  
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107 **NEXT MEETING DATE(S)**

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109 Assistant City Manager, Mike Strong stated that the next meeting would be  
110 scheduled for the week of July 11, 2022.  
111

112 **ADJOURNMENT**

113  
114 Alderman Weber moved to adjourn the meeting of the Environmental  
115 Sustainability Committee at 5:20 P.M. seconded by Preschlack. The motion  
116 carried unanimously by voice vote.  
117

118 Respectfully Submitted,  
119

120  
121 Mike Strong  
122 Assistant City Manager

# **New Solar Generation (PV) Facilities Project**

Environmental Sustainability Committee

July 12, 2022

# Work completed since April



- Project scope narrowed to Public Safety Building
  - Updated proposals received from vendors
  - Reduced scope to southern rooftops only
- Reviewed franchise account options with ComEd
  - Franchise Account Status
  - Infrastructure Maintenance Fee Conversion



# Updated Pricing Proposals (PPA Rates)

- 100 kW system
  - Size of system is approximately **100kw** (135,000 – 160,000 kWh/year)
  - Offset potential **17-20%** of annual consumption
- Vendor Proposals (\$/kWh)
  - GRNE: \$0.0418
  - Verde Energy: \$0.0630



# Financial Value of Proposals – Year 1



Public Safety Building	Status Quo	GRNE	Verde Energy
Total Energy (kWh) Needed	775,860	775,860	775,860
Annual Solar Production (kWh)	-	136,900	161,000
Net ComEd Supply (kWh)	775,860	635,100	611,000
ComEd Energy Costs (\$/kWh)	\$61,110	\$50,327	\$48,429
Solar Energy Costs (\$/kWh)	-	\$5,722	\$10,143
Total Costs	\$61,110	\$56,049	\$58,572
Impact of PPA (Solar Project)		(\$5,060)	(\$2,538)

# Review of Project Options



1A: Rider FCA (Status Quo – Pay for solar)	1B: Rider FCA + Rider POG (Transfer solar savings to Residents)	2: Convert to Infrastructure Maintenance Fee (IMF)	3: Do Nothing (Explore alternative solar options)
<ul style="list-style-type: none"> <li>- City would not be billed for electricity</li> <li>- City would pay Vendor PPA Rate for solar generated</li> <li>- Annual Cost to City of approximately \$5,000/year</li> </ul>	<ul style="list-style-type: none"> <li>- City would not be billed for electricity</li> <li>- City would pay Vendor PPA Rate for solar generated</li> <li>- Annual Cost to City of approximately \$5,000/year</li> <li>- Deduct solar generated from City’s Franchise portfolio</li> <li>- Transfer savings costs to Residents</li> </ul>	<ul style="list-style-type: none"> <li>- Convert all accounts to IMF (~27 accounts)</li> <li>- Residents pay franchise fee and IMF Fee for 12-month period</li> <li>- Revenue collected by ComEd and remitted to City</li> <li>- City billed for all electricity usage</li> <li>- City retain savings from on site solar at PSB (~\$5,000 year 1)</li> <li>- Short term savings potential; long term risk</li> </ul>	<ul style="list-style-type: none"> <li>- Reject Proposals</li> <li>- Seek proposals for non-franchise account buildings</li> <li>- Consider ground-mount options only (avoid roof replacement challenges)</li> </ul>

# Committee Actions



## 1. Rooftop Solar at Public Safety Building

- **Reject** Bids and Reconsider Project
- **Accept** GRNE proposal (Low bid) and direct Staff to proceed with PPA Contract Review with City Attorney

## 2. Public Safety Building ComEd Account

- Maintain Rider FCA Status or
- Convert to Infrastructure Maintenance Fee

Environmental Sustainability Committee  
 Current/Future Sustainability initiatives & Priorities  
 Updated July 2022

Project/Initiative	2022				2023	
	Q1	Q2	Q3	Q4	Q1	Q2
Solar Facilities on City Facilities						
Community Gardening Discussion						
Composting Programs						
“Green Infrastructure” Incentives						
Vehicle Idling Campaign						
Single-Use Plastics Discussion						

Planning/Research  
 Presentation/Recommendation

**Current Projects/Status:**

**1. Investigation of Solar Facilities on City Facilities**

- Status: Solicitation/Vendor Selection Phase (Final Recommendation Pending)
- On Deck: Prepare Vendor recommendation to ESC, and City Council
  - Week of 6/13/2022: Meeting with ComEd to discuss Franchise Account structure and conversion to Infrastructure Maintenance Fee
  - Late June: City Attorney Review of Power Purchase Agreement with Finalist Vendor
- Target ESC Meeting for Recommendation and Final Action: **7/12/2022**
- City Council Meeting: **TBD**

**2. Develop Community Gardening Program**

- Status: Research and planning underway
  - Site Visits to Fremont Township and Libertyville Gardens completed on 7/5-7/6/2022
  - Currently working to connect with local garden clubs and other local agencies to discuss partnership opportunities
- On Deck: Establish an internal work committee to discuss options
- Target Timeline: Target initial meeting and discussion in early September, with recommendation to ESC in late fall

**3. Provide greater access to composting programs or services for residents and businesses**

- Status: Research and planning underway
- On Deck:
  - Exploring alternative options to Earth Machines
  - Demo in process for pre-treatment appliance (FoodCycler product)
- Target Timeline: Research services/options in May-August 2022, with recommendation to ESC in Summer/Fall
  - Solicitation to follow in fall for spring 2023 launch (Pending Funding)

**Future Projects/Initiatives** (As directed by Committee in April 2022)

**4. Promote the use of permeable pavers, rain gardens or other “green infrastructure” implements throughout the community**

- Proposed Scope: Marketing/communications on City projects utilizing infrastructure
- Develop “green infrastructure” permit or reduced permit fees
- Explore cost-share opportunities or grant program for residents to offset infrastructure investment through (e.g. Overhead sewer cost-share program)
- Target Timeline: Research opportunities between July-September
- Potential recommendations to ESC in October; followed by Finance Committee (Capital workshop) in November

**5. Develop strategies to further reduce the City’s use and collection of single-use plastics**

- Proposed Scope: Explore opportunities to reduce the City’s use of single-use plastics (e.g. City facilities, meetings/events, etc.)
  - Can we eliminate use of single-use plastics at our community events?
  - Can we promote/incentivize special event permit holds to not sell bottled water? What alternatives might exist?
  - May need to discuss with the City Council further – how far do they want to go with banning/incentivizing these products
- Target Timeline: First quarter of 2023 for research/further policy decisions

Additional initiatives that have been discussed:

- Discouraging vehicle idling on City Properties – Discussions have commenced with schools and Lake Forest Open Lands; campaign planning underway. Anticipated for discussion late summer
- Coal tar sealants – Awaiting monitoring report from NBWW; anticipated in fall 2022
- Conversion of Mowed Areas to Natural Areas – No update/report
- Landscape Equipment recommendations (Leaf Blowers) – No update/report