

Environmental Committee
January 20, 2020
7:00 p.m. – City Hall Conference Room

1. Call to Order
2. Public Comment
3. Introduction
4. Committee Items
 - a. Electric Aggregation/Renewable Energy NIMEC
5. New Business/Old Business
 - a. Results of Electronics Recycling Event
6. Next Meeting
7. Adjournment



January 16, 2020

TO: Environmental Committee Members

FROM: Lisa A Klemm, Liaison

RE: Electric Aggregation/Renewable Energy

Attached find the memo from Mayor Marchese addressed to the City Council regarding electric aggregation/renewable energy. David A. Hoover, Executive Director, Northern Illinois Electric Collaborative (NIMEC) will attend the Environmental Committee Meeting on Monday, January 20, 2020. The power point presentation is also included.

The Mayor has requested the presence of the Environmental Committee to attend and listen to the discussions at the Council Meeting regarding NIMEC.

From: [Joe Marchese](#)
To: [JoAnne E. Ragona](#); [Michael J. Coren](#); [Ted schauer](#); [Lester Vaughan](#); [Joseph Kenny](#); [Thomas Chlystek](#); [Mary Sullivan](#); [Eric Gustafson](#); [Forward For T Belczak](#)
Cc: [Bryon Vana](#); [Dan Gombac](#); [Lisa Klemm](#)
Subject: Electric Aggregation/Renewable Energy
Date: Monday, December 30, 2019 1:16:46 PM
Attachments: [Electric AggregationMemo.docx](#)

Council and Staff:

We will soon be working with NIMEC to determine our energy supplier over the next several years, and in our preliminary discussion with David Hoover NIMEC's Executive Director, we have an opportunity join a Municipal Aggregation (MA) program featuring 100% Renewable Energy. The attached statement explains this program in greater detail, and I will be including it in my Mayor's Report during our January 6 Council Meeting.

As noted in my attached memo, Mr. Hoover will be attending our January 20 meeting to provide more details regarding this program. I will also invite members of our Environmental Committee to our January 20 meeting. I see this as a great opportunity to highlight our city as an energy conscious living community.

In the meantime, I wish all of you a very Happy and Safe New Year!

Joseph A. Marchese

Mayor, City of Darien
630-353-8108
Celebrating "50" Years!

To receive important information from the City of Darien sign up for our electronic newsletter:

DARIEN DIRECT CONNECT

Follow the link and subscribing is simple!

<http://www.darien.il.us/Reference-Desk/DirectConnect.aspx>



December 23, 2019

TO: JoAnne Ragona Joseph Kenny
Michael Coren Thomas Chlystek
Ted Schauer Mary Coyle Sullivan
Lester Vaughn Eric Gustafson
Byron Vana Thomas Belczak

FROM: Joseph A. Marchese
Mayor – City of Darien

RE: Electric Aggregation/Renewable Energy

A number of years ago, the City of Darien employed the **Northern Illinois Electric Collaborative** (NIMEC), in an effort to provide electric rates to our Darien residents at the lowest possible rates. NIMEC assisted us, as they do with other municipalities to find energy suppliers who provided rates that in many cases were lower than ComEd. In addition to bidding out for electric aggregation, we also use NIMEC for joint bids for our water system pumps and our street lighting. This Municipal Aggregation has led to Darien and other northern Illinois residents saving tens of millions of dollars on their home electric bills.

As the program progressed, it became more difficult for communities to receive bid pricing below the ComEd rate; they suspended their programs, and residents have moved back to ComEd. While we have not suspended our program, we have found it difficult over the last several bidding processes to obtain a rate lower than ComEd. When we last bid out electric supplier costs, ComEd provided the lowest rates so we currently utilize them as our energy supplier.

This spring, we will again be working with NIMEC to seek the best pricing for our residents. Recently, David Hoover, NIMEC's Executive Director met with me and shared a new proposal that fits my objective of providing energy to Darien residents that is 100% Renewable. Under this plan, every Darien resident is charged the ComEd rate, guaranteed, including the monthly Purchased Electricity Adjustment.

In addition to receiving electricity from 100% renewable sources, suppliers are providing Civic Contributions to municipalities using this program. These funds (up to \$25,000) can be used by the municipality for other renewable projects, such as electric charging stations in Darien.

Under this program, Darien receives the benefit of Renewable Energy Certificates (RECs) representing green energy generated by wind farms in the Midwest. The program enables Darien to be designated an **EPA Green Power Partner Community**, with street signage that we can post within Darien and the ability to promote certification on our website. It also achieves an objective of the Metropolitan Mayors Caucus (we are members), **Greenest Region Compact**.

As in the past, any resident and small business may choose to opt out at any time. There are no fees to residents or to the community. The stability of this community-managed program enables residents to avoid solicitors with less favorable pricing and fees. Communities such as Arlington Heights, Aurora, Clarendon Hills and others have chosen to join the Renewable Energy program, and I believe that this program fits our overall vision for Darien, as a sustainable energy community. Such a designation is appealing to families seeking to find a home in our community, as it promotes our vision as an environmentally conscious community.

Mr. David Hoover will be meeting further with me to discuss this program and I have asked him to attend our January 20, 2020 council meeting to provide an overview of the program while also preparing us for making a decision regarding our future electric aggregation choices.

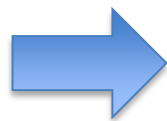
When I ran for Mayor in April, I stated my desire to have Darien project an image as a community moving toward energy sustainability. In my speech several weeks ago at our gala, I noted that in the future, it was my hope to have Darien invest in renewable energy sources, and now, we have an opportunity to move toward fulfilling each of these goals.

Proposal

Restart Residential Aggregation

100% Renewable Energy

Price: matches **ComEd**® rate



No Rate Risk



Civic Grant

100% Renewable Energy

PLUS

Annual Civic Grants
\$50,000

Renewable Aggregation

- Some residents moved to new supplier
- Some residents remain at ComEd
- All charged same rate
- Renewable energy purchased for all



Arlington Heights

Aurora

Clarendon Hills

Elmhurst

Franklin Park

Gurnee

La Grange Park

Oak Lawn

Oak Park

Oswego

Orland Park

Palos Park

Round Lake Beach

South Barrington

South Elgin

Tinley Park

Wood Dale



Carbon Reduction

Estimated Annual CO₂ reduction equivalents



110,442,000 auto
miles not driven
annually



49,000,000
pounds of coal
burned annually

EPA Designation



EPA Green Power Partner Community

Two signs shipped to Village from EPA



EPA Rankings

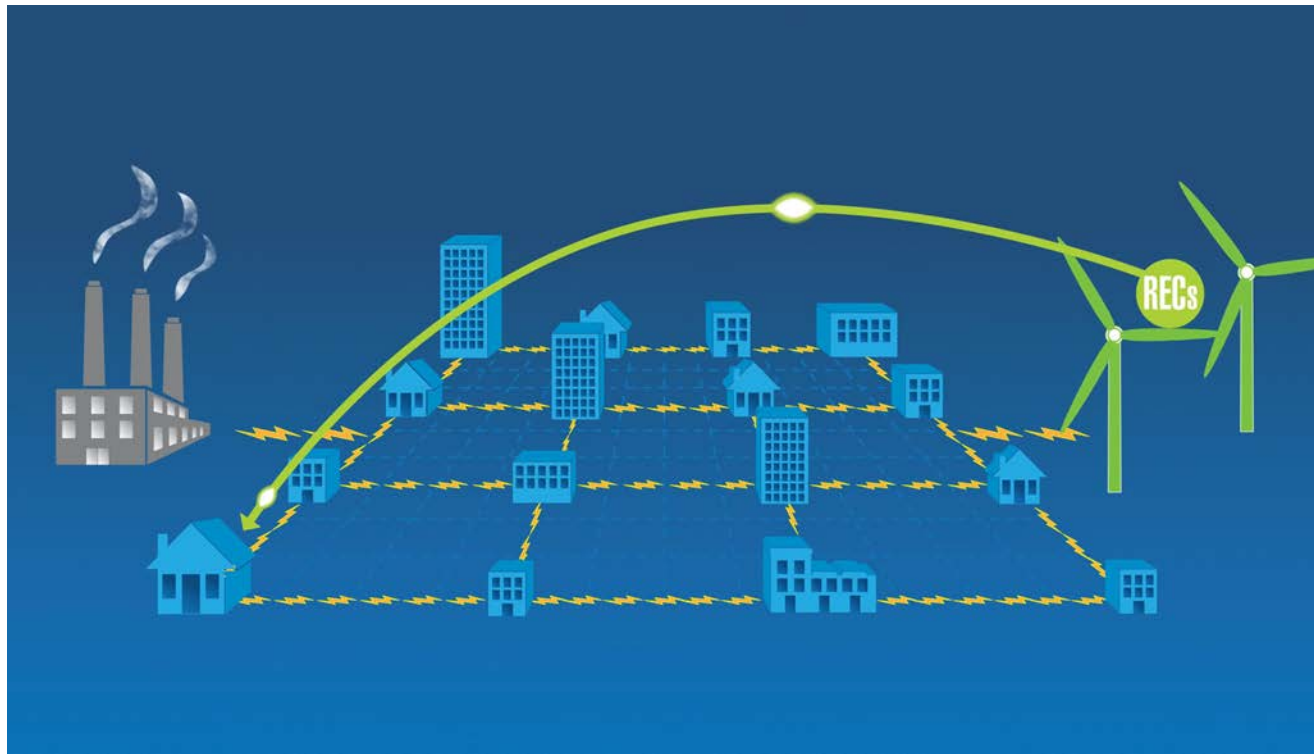
Top 10 by percentage Green Power used*

- | | |
|--------------------------------|------------------------------|
| 1. La Grange Park IL - 85.1% | 6. Oswego IL - 74.4% |
| 2. Palos Park IL - 84.6% | 7. Portola Valley CA - 73.0% |
| 3. South Barrington IL - 81.5% | 8. Brisbane CA - 71.0% |
| 4. Clarendon Hills IL - 80.9% | 9. Hillsborough CA - 69.3% |
| 5. Tinley Park IL - 78.3% | 10. Atherton CA - 69.2% |

*<https://www.epa.gov/greenpower/green-power-communities>

RECs

EPA: “When you buy the REC, you own the power.”



<https://www.youtube.com/watch?v=12VYXms6-c>

From: [Jade Lee](#)
To: [Lisa Klemm](#)
Subject: City of Darien Recycling Event Weight Information
Date: Tuesday, November 5, 2019 1:23:35 AM
Attachments: [image001.wmz](#)
[image002.png](#)
[Darien Recycling Event Report \(Lot#24033\).pdf](#)

Hi, Lisa:

I have received the City of Darien event reports from our Accounting/Report Department. Attached, please find the Weight Analysis Report (Our database system refers it as "Lot Mass Balance Report").

This event was very successful. In the short 2 hours, 19,681.00 lbs of electronics were collected. This is a remarkable achievement as it exceeds many other municipalities that had much longer collection hours (usually range 4-5 hours). It is certainly worth of congratulation and celebration. Definitely, the key of the success is management's leadership and the hard work of both management and committee team members.

Among the 19,681 lbs collected, 75% were TV's (12,433 lb) and monitors (2,314 lb). This is higher than some of the other events which usually range from 65-70%.

I will submit the invoice and our Settlement Report to our direct customer Advanced Disposal. I contacted Saul Corral's office last week and found out that he was on vacation and will come back sometime this week. I will provide a detailed explanation of our reports to Saul for him to forward it to you later.

I would like to take this opportunity to express our gratitude for the privilege of working with such an outstanding team at the City of Darien. Please do not hesitate to contact me via phone (M) 630-675-9544 or email with any questions regarding the Lot Mass Balance Report. Upon my return back to Chicago after completing the certification audit at our Texas facility, I will also coordinate with you for a tour at SSI.

Best Regards,
Jade Lee, MBA
President & CEO
Supply-Chain Services, Inc. (SSI)

HQ Address:
250 W. North Ave.
Lombard, IL 60148 HQ Address:

Texas Facility Address:
2525 S. Shiloh Road
Garland, TX 75041
Phone: (630) 629-9344, x22
Cell: (630) 675-9544
Email: jadelee@supply-chainservices.com

LOT MASS BALANCE REPORT

Advanced Disposal
Darien Recycling Event



Lot #: 24033

PO #:

Ref #:

Received: October 05, 2019

SHIPPED FROM	SHIPPED TO	BILLED TO
Advanced Disposal Saul Corral 1702 Plainfield Road Darien, IL 60561 BOL: ILEW-20191005	SSI - IL 250 W. North Ave Lombard, IL 60148 Acct Mngr: Jade Lee Phone: (630) 629-9344 x.22	Advanced Disposal 2230 Ernie Krueger Circle Waukegan, IL 60085 ATT: Cris Manley

Weight Received: 19,681.00 lb

MATERIAL	COUNT	WEIGHT
Battery-Lead Acid	0	546.00 lb
Battery-Lithium/Li-Ion	0	5.00 lb
Battery-Ni-Cad	0	22.00 lb
ILCED-Computer	0	2,156.00 lb
ILCED-Monitor	0	2,314.00 lb
ILCED-Printer	0	1,091.00 lb
ILCED-Remaining	0	1,078.00 lb
ILCED-TV	0	12,433.00 lb
ILEED	0	36.00 lb

TOTAL = 19,681.00 lb



Certificate of Recovery/Recycling/Data Destruction

This document certifies that all equipment was received and processed based on contract requirements for Asset Recovery and/or Recycling in compliance with applicable Federal and State EPA regulations. All the electronic data in the applicable equipment was destroyed either by shredding or by data sanitization in accordance to Department of Defense (DoD) 5220.22-M and National Institute of Standards and Technology (NIST) 800-88 specifications.

Issued to:

Advanced Disposal
Darien Recycling Event
LOT #24033
Received: October 5, 2019

SHIPPED FROM

SHIPPED TO

Advanced Disposal
Saul Corral
1702 Plainfield Road
Darien, IL 60561
BOL: ILEW-20191005

SSI - IL
250 W. North Ave
Lombard, IL 60148

Issued by: SSI

SSI - REPRESENTATIVE

Signed: _____

Position: Operation Management

Date: 10/31/2019

250 W. North Avenue, Lombard, IL 60148 Tel: (630) 629-9344 Fax: (630) 629-9345

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**Minutes
City of Darien
Environmental Committee Meeting
Monday, June 24, 2019**

PRESENT: Allan Jackimek, Robert Erck, Kris Sant, Sylvia Mclvor, Deb Hardtke, and Lisa Klemm – Liaison. Additional guests present: Emily Glasberg (Clarke Mosquito) and Mayor Joe Marchese.

ABSENT: Jane Harmon, Arleta Peknik

Chairman Jackimek called the meeting to order at 7:02 p.m. in the conference room at City Hall.

PUBLIC COMMENT

As of 12/31/19, the City's three-year agreement with Clarke Mosquito will expire. Emily Glasberg from Clarke Mosquito gave an update on how the weather has caused an increase in mosquito breeding – the combination of heat and water is considered a mosquito 'cocktail'. The larvicide tablets used in the City's storm sewers are good for up to 180 days. The City of Darien has contracted with Clarke to use EarthRight products, made from naturally-derived active ingredients – along with inventive and earth-friendly application methods including bicycles and all-electric sprayers.

Committee member Mclvor brought up the rear yard drainage projects. Is Clarke aware of these new catch basins, located on private properties? Emily to send a list of the areas currently being treated. Clarke offered to provide training to Public Works employees to treat new areas. TBD. Clarke to provide cost of administering themselves along with pricing for material.

How do other, neighboring municipalities treat mosquitos? County? Do they have similar programs?

OLD BUSINESS

Liaison Klemm will check to see if the recycling center is back to conducting tours.

Liaison Klemm working through Advanced Disposal to schedule an electronics recycling event. Since Advanced Disposal is no longer able to host, a third party needs to collect. Will check dates for availability in early/mid-October.

NEW BUSINESS

Mayor Marchese provided an update on Governor Pritzker imposing the nation's strictest limits on ethylene oxide emissions, naming it the *Matt Haller Act*. Under this new law, ethylene oxide sterilization facilities would be prohibited from operating in Illinois unless: 1) Facility captures 100% of all fugitive ethylene oxide emissions within the facility and 2) Facility reduces ethylene oxide emissions to the atmosphere from each exhaust point by at least 99.9% or to 0.2 parts per million.

Allan Jackimek was re-elected as Chairman.

NEXT MEETING – September 23, 2019 – City Hall Conference Room

Meeting adjourned at 7:59 p.m.