

**CITY OF EDINA MINNESOTA
ENERGY & ENVIRONMENT COMMISSION
EDINA CITY HALL COMMUNITY ROOM
Thursday September 11, 2014
7:00 PM**

I. CALL TO ORDER

II. ROLL CALL

- A. Welcome new Student Members – Sunaya Padmanabhan and Reilly Anderson

III. APPROVAL OF MEETING AGENDA

IV. ADOPTION OF CONSENT AGENDA

- A. Minutes
- B. Attendance report and roster
- C. Workgroup list and minutes

V. COMMUNITY COMMENT

*During "Community Comment," the Energy & Environment Commission will invite residents to share new issues or concerns that haven't been considered in the past 30 days by the Commission, or which aren't slated for future consideration. Individuals must limit their testimony to **three minutes**. The Chair may limit the number of speakers on the same issue in the interest of time and topic. Generally speaking, items that are elsewhere on tonight's agenda may not be addressed during Community Comment. Individuals should not expect the Chair or Commission Members to respond to their comments tonight. Instead the Commission might refer the matter to staff or to an EEC Working Group for consideration at a future meeting.*

VI. REPORTS AND RECOMMENDATIONS

- A. Energy Fit Homes – Center for Energy and the Environment
- B. EEC Work Plan

VII. CORRESPONDENCE & PETITIONS

VIII. CHAIR AND COMMISSION MEMBER COMMENTS

- A. Building Energy Efficiency Subcommittee
- B. Business Recycling Working Group
- C. City Environmental Considerations Subcommittee
- D. Community Solar Subcommittee
- E. Education Outreach Working Group
- F. Home Energy Squad Subcommittee
- G. Local Food Working Group
- H. Recycling and Solid Waste Working Group
- I. Student Subcommittee
- J. Water Quality Working Group
- K. 2014 EEC Summary and Schedule

IX. STAFF COMMENTS

- A. City Project Updates

UPCOMING EVENTS AND MEETINGS: <http://www.edinamn.gov/> <click calendar>

The City of Edina wants all residents to be comfortable being part of the public process. If you need assistance in the way of hearing amplification, an interpreter, large-print documents or something else, please call 952-927-8861 72 hours in advance of the meeting.

**DRAFT MINUTES
CITY OF EDINA MINNESOTA
ENERGY & ENVIRONMENT COMMISSION
EDINA CITY HALL COMMUNITY ROOM
Thursday August 14, 2014
7:05 PM**

- I. CALL TO ORDER** 7:05p.m.
- II. ROLL CALL** Answering Roll Call was Glahn, Howard, Kostuch, Rudnicki, Thompson, Waddick, Zarrin, and Chair Heer
- Absent: Bale, Gubrud, Latham, Sokol
- Late Arrival: Sierks
- Staff Present: Ross Bintner and Rebecca Foster

III. APPROVAL OF MEETING AGENDA

Motion made by Member Glahn and seconded by Member Zarrin to approve the Meeting Agenda. Motion carried unanimously.

IV. ADOPTION OF CONSENT AGENDA

- A. Minutes. Member Waddick requested Item VIII J. change “illegal items” to “organic materials”. Mrs. Foster will ask Member Sierks what attachments need to be included with the motion amendment to Item VI A.

Motion made by Member Kostuch and seconded by Member Thompson to approve the amended Minutes. Motion carried unanimously.

- B. Attendance report and roster
- C. Workgroup list and minutes

Motion made by Member Zarrin and seconded by Member Glahn to approve the remaining Consent Agenda. Motion carried unanimously.

Member Sierks arrived at 7:10p.m.

- V. COMMUNITY COMMENT.** Drew Beson and Christian Clapp, 5844 Oaklawn Ave, expressed concern over the Pamela Park improvements impact it would have on the wetland. They were disappointed that they didn't receive a letter from the City explaining the improvements too.

VI. REPORTS AND RECOMMENDATIONS

- A. Workplan. Edina (both the City entity and the community overall) will fail to meet the existing 2008 Comprehensive Plan Chapter 10 GHG reduction commitment for 2015 (a 15% reduction from 2007 baseline). This means the City is also failing to meet numerous other commitments it has made.

The EEC believes that the lack of a comprehensive City plan on energy/GHG reduction activities will doom Edina to failure with its 2025 and 2050 reduction targets. Since the City has claimed it will take a leadership role in its own operations, the EEC will focus its 2015 efforts on working with Council and Staff to create detailed and properly resourced action plans for energy/GHG reductions.

Given the EEC is an advisory body, any improvement in the City's performance will require leadership from the City Council and resources and management by the City Staff. If the City is unwilling to undertake serious action in its own operations, it is doubtful that it can lead (or mandate) actions for local residents and businesses.

WP1 – Reduce energy consumption/GHG emissions in City of Edina operations per the City's existing goals and commitments

1. Measurement – city staff create and refine metrics and analyses by March 2015
 - a. B3 database for all City Buildings
 - b. Create metrics for City vehicle fleets(gallons of fuel) and Utility operations (energy usage)
 - c. Regional Indicators for City as a whole
2. City Building Energy Efficiency initiative
 - a. EEC Commissioners to work with City Manager and City Building manager to create a detailed approved plan for energy retrofiting existing buildings within 5 years by March 31st.
 - b. At least one building will be retrofitted in 2015 either under the City's own effort or under the State Guarantee Energy Savings program

Member Rudnicki excused himself from the meeting at 8:00p.m.

3. City Capital Process Environmental considerations initiative
 - a. EEC to review results of having an environmental considerations section in 2014 CIP process. EEC commissioners will work with City staff to refine and expand so that all capital decisions (i.e., new buildings, major building renovations and fleet purchases) have explicitly environmental analysis on how they will affect City GHG commitments

WP2 – Reduce energy consumption/GHG emissions in City of Edina limits per the City's existing goals and commitments

1. Community solar project
 - a. City will allocate staff time to scope, bid and execute a community solar project on a city building in 2015. Public Works roof is initial target site
 - b. EEC commissioners will work with the City staff on this effort
 - c. The City will determine will own a portion in this project for itself
 - d. The April 2015 EEC community event will be used to announce Community Solar to residents

2. EEC coordination with Park Board, Planning and Transportation commissions to achieve Chapter 10 commitments
 - a. EEC commissioners will be assigned to attend these commission meetings to comment and recommend actions per the City's commitments
3. Expand City subsidized Home Energy Squad installs for low-income residents
 - a. The City will fund x installs at a cost of \$x (a dramatic increase over the current funding of \$y)

WP3 – EEC will hold a 2 hour working session with City Council and City Manager to discuss existing Edina City environmental commitments and to align EEC charter, expectations, resources and timetables for results

- 1) To be held after the November elections to insure continuity as new Council begins its work

VII. CORRESPONDENCE & PETITIONS. No Comment.

VIII. CHAIR AND COMMISSION MEMBER COMMENTS

- A. Building Energy Efficiency Subcommittee. No Report.
- B. Business Recycling Working Group. Member Zarrin said they are promoting the businesses who are recycling with Hennepin County stickers. Hennepin County will have another grant to help start recycling in October.
- C. City Environmental Considerations Subcommittee. No Report.
- D. Community Solar Subcommittee. No Report.
- E. Education Outreach Working Group. Member Howard said the September movie will be "Green House Gas Reduction".
- F. Home Energy Squad Subcommittee. No Report.
- G. Local Food Working Group. No Report.
- H. Recycling and Solid Waste Working Group. No Report.
- I. Student Subcommittee. No Report.
- J. Water Quality Working Group. Member Waddick said they've had two Boy Scout groups help stencil drains. She is looking for more volunteers. Stenciling will stop in October when the cool weather starts. She would like to start a Rain Barrel program in the spring.

Pamela Park Improvements. Chair Heer said the Pamela Park improvements were tied to the building of the Sports Dome. The plans were submitted to the Minnehaha Creek Watershed, so the improvements have to follow clean water guidelines.

Motion made by Member Glahn and seconded by Member Thompson to request City staff with process knowledge of environmental aspect of renovation to Pamela Park and Park Board processing of approving plans. Motion carried unanimously.

- K. 2014 EEC Summary and Schedule. No Report.

IX. STAFF COMMENTS

- A. Vision Edina Workshop. Mr. Bintner asked for three members to participate in the first phase of Vision Edina. *Vision Edina* is our community process to update the long-term (20 or more years) vision for the City of Edina.

The selected members will contribute to:

- An exercise to determine of how “future ready” and successful Edina is now, in line with national and international comparisons,
- A review of important global, national and local trends relevant to Edina,
- Identification and clustering of the key “drivers” shaping the future of Edina,
- Formation of four plausible scenarios for the future of Edina, and
- Identification of the preferred future and potential action steps to realize this future.

Members Kostuch and Howard volunteered.

- B. Reallice Purchase. Mr. Bintner gave an update on the City’s purchase of a Reallice Ice Water Treatment System for Braemar Arena. The system will remove impurities and dissolved air from the water which will allow water to freeze at a higher temperature and saving energy.

Motion made by Member Sierks and seconded by Member Zarrin the EEC thanks and recognizes staff seeking out opportunities to protect environment. Motion carried unanimously.

There being no further business on the Commission Agenda, Chair Heer declared the meeting adjourned at 9:07p.m.

Motion made by Member Glahn and seconded by Member Kostuch to adjourn meeting. Motion carried unanimously.

Respectfully submitted,

Rebecca Foster
GIS Administrator

ENERGY & ENVIRONMENT COMMISSION																	
NAME	TERM	J	F	M	A	M	J	J	A	S	O	N	D	Work Session	Work Session	# of Mtgs.	Attendance %
Meetings/Work Sessions		1	0	0	0	0	1		9								
														6/3/2014	<i>(enter date)</i>		
Glahn, William	2/1/2017			1	1	1	1	1	1					1		7	100%
Gubrud, Bob	2/1/2016		1	1	1	1	1	1						1		7	78%
Heer, John	2/1/2015	1	1	1	1	1	1	1	1					1		9	100%
Howard, John	2/1/2016		1	1	1		1	1	1					1		7	78%
Kostuch, Keith	2/1/2016	1	1	1	1	1	1	1	1							8	89%
Latham, Dianne Plunkett	2/1/2015	1		1	1	1	1							1		6	67%
Rudnicki, Tim	2/1/2015		1		1	1	1	1	1							6	67%
Sierks, Bill	2/1/2016	1	1	1	1	1	1	1	1					1		9	100%
Thompson, Paul	2/1/2016	1	1	1	1	1	1		1					1		8	89%
Waddick, Louise	2/1/2017			1	1	1	1	1	1							6	86%
Zarrin, Sarah	2/1/2015	1	1	1		1	1	1	1					1		8	89%
Bale, Sarah	student	1		1	1	1	1							1		6	67%
Sokol, Elana	student	1	1	1	1	1	1	1						1		8	89%

Liaisons: Report attendance monthly and attach this report to the Commission minutes for the packet.

Do not enter numbers into the last two columns. Meeting numbers & attendance percentages will calculate automatically.

<u>INSTRUCTIONS:</u>	<u>Counted as Meeting Held (ON MEETINGS' LINE)</u>	<u>Attendance Recorded (ON MEMBER'S LINE)</u>
Regular Meeting w/Quorum	Type "1" under the month on the meetings' line.	Type "1" under the month for each attending member.
Regular Meeting w/o Quorum	Type "1" under the month on the meetings' line.	Type "1" under the month for each attending member.
Joint Work Session	Type "1" under "Work Session" on the meetings' line.	Type "1" under "Work Session" for each attending member.
Rescheduled Meeting*	Type "1" under the month on the meetings' line.	Type "1" under the month for each attending member.
Cancelled Meeting	Type "1" under the month on the meetings' line.	Type "1" under the month for ALL members.
Special Meeting	There is no number typed on the meetings' line.	There is no number typed on the members' lines.

*A rescheduled meeting occurs when members are notified of a new meeting date/time at a prior meeting. If shorter notice is given, the previously-scheduled meeting is considered to have been cancelled and replaced with a special meeting.

Edina Energy & Environment Commission
Working Groups and Subcommittees
 Draft of 5-8-14

Building Energy Efficiency Subcommittee - Chair Sierks, Members: Bill Glahn, Keith Kostuch, Tim Rudnicki

Objective: This subcommittee will work with City staff to recommend to Council a comprehensive approach for achieving deeper energy efficiency actions for the city's buildings that maximizes greenhouse gas reductions, maximizes energy saved and dollars saved, and maximizes effective use of city dollars.

City Environmental Considerations Subcommittee – Chair Keith Kostuch, Members: John Heer, Tim Rudnicki

Objective: This sub-committee of the EEC will work with City staff to find a way to embed the 2008 Comprehensive Plan Chapter 10 environmental commitments into the City's capital budget process. New buildings, major building renovations and fleet purchases have large and long-term environmental implications. Consequently, environmental considerations need to be made more explicit at the inception of all capital projects and in the approval process up to City Council final approval.

Time frame: This process will be collaborative with City staff in terms of conceptualization and implementation so it will take most or all of 2014.

Community Solar Subcommittee - Chair Bill Sierks, Members: Paul Thompson, Bob Gubrud

Objective: Work with City Staff to evaluate whether the City can host a Community Solar site. If so, the group will assist as appropriate in completing the steps necessary to apply for, develop, and market this program, and involve interested members of the public through a working group if the project moves forward to construction

Edina Business Recycling Working Group– 3rd Wednesday - Chair Sarah Zarrin – Members: Lori Syverson (Chamber of Commerce), Ben Knudson (Hennepin County Environmental Services), Andre Xiong (HCES), Aileen Foley

Education Outreach Working Group (EO WG) – 1st Tuesday at 7:00 pm - Co-Chairs Paul Thompson and Bob Gubrud – Members: John Howard (EEC), Andrew Harmon, Chuck Pretice and Mindy Ahler.

Objective: The mission of the Education and Outreach Working Group is to support the charter of the Edina Energy and Environment Commission by creating awareness and engaging residents, schools, churches, business' and community organizations to take action to conserve and increase energy efficiency, to reuse and recycle, and to preserve and enhance our environment

Home Energy Squad Subcommittee (HES) – Meets as needed - Chair Bill Sierks – Commissioners - Paul Thompson, Bob Gubrud

Objective: This subcommittee works with City staff, Xcel Energy, Centerpoint Energy, and the Center for Energy and the Environment to implement the Home Energy Squad program for Edina's residents. The city's gas and electric utilities have hired CEE to implement to implement the Home Energy Squad program across their service area. Our subcommittee is helping to promote the program and maximize its impact in Edina.

Local Food Working Group – Chair Dianne Plunkett Latham, Arlene Forrest, Louise Segreto, David Chin, Flora Delaney, Joeffrey Bodeau, Virginia Kearney, and Jamie Bodeau

Objective: Facilitate creation of home/community gardens, chicken & bee keeping, and incorporation of food growing areas/access in multifamily residential developments

Recycling & Solid Waste Working Group (RSW WG) – 1st Thursday at 7:00 pm - Chair DP Latham, Commissioners Sara Zarrin and Tim Rudnicki - Members Michelle Horan, Melissa Seeley – City Staff Solvei Wilmot

Objective: Evaluate and monitor the provision of a residential recycling program. Evaluate and monitor the provision of a privately provided solid waste program, as well as a reduction in municipal solid waste produced by city residents and businesses. Educate the public about recycling

Student Working Group – EEC Chair, Members: Paul Thompson, Student Members, and open to students attending secondary schools in Edina.

Objective: To facilitate, coordinate and share information between the EEC and the School Environmental groups and to work on common energy and environmental objectives as appropriate. To assist in developing environmental leaders of tomorrow.

Water Quality Working Group (WQ WG) – 1st Thursday at 6:30pm - Chair Lou Ann Waddick – Members: David B. VanDongen , Michelle Jordan, Jon Moon, Steve Wielock, Katherine Winston

Objective: To facilitate communication between citizens and city government and champion efforts to improve water quality within Edina.

Edina WQWG

September 4 2014

Attendance

John

LouAnn

Catherine

Steve

John Concerns about City policy with public space mowing- lawn care improvement - city recommendations haven't kept up with the times (About Town - official magazine summer)and are inconsistent (2 to 3 inches v. 3 inches).

Policy promulgating and enforcement - how do we get things changed and monitored in the city.

Cutting on a schedule instead of when the need arises. Training issue?

City is setting the example to citizens to cut in a certain way (i.e. The wrong way).

Consistency in communication where else the specifics (website, magazine, grounds keeping manual)

Communicate with the mowing services

Citizens should ask and ensure that lawn services are in compliance with the City policy.

Citizens seem to be more conscientious with grass clippings.

Bring these concerns to the EEC.

LouAnn - send out to your 'hood' to bring citizens attention to fall storm sewer drains.

LouAnn - City reached out for stenciling campaign - 6 responded - Bill Benson did 12 storm drains, Amy Olson has the kit right now (lake Cornelia)

LouAnn - needs help with following up on who's made requests and who's opted to use the stenciling kit

Ena Hayes - Catherine will follow-up. (Catherine wrote down Ena's contact information)

Molly Erbansky - John will follow-up (John wrote down Molly's contact information)

Julie Bascom - Steve will follow-up (952-848-3957) Edina School Service Learning Coordinator

Steve - Boy Scout stenciled 21 storm drains

Check with Laura Adler to make sure that the stencil is the correct one for the neighborhood. Show how to use the kit: the door hangers, the cones/safety/cardboard/how to spray the paint, etc.

Public works closes @ 3:30 on Metro Blvd. - so head's up on when to get the stenciling kits.

Asked for a second kit and Laura said that we need to work with the one.

Avoid storm drains that are in a driveway.

Certificates? Laura said that she would get certificates (signed by the mayor).

Thank Lane Christensen who's with Minneapolis Public Works for helping us get the stenciling project started.

Keep track of your work sheet from Lane Christensen.

Educating people is the really important part.

Call a t.v. Station to get publicity for the storm drain stenciling campaign.

Call the 'Patch' (Edina newsletter - e-mail) to get the stenciling campaign covered

Need people to volunteer to reach out to the media.

Jennifer Bennerotte - communication director for Edina - or Laura Adler should be a person to reach.

Also ask Julie Bascom about the potential for getting covered by the media if Julie has a group that use the kit.

MOVIE:

Environmental movie - Friday September 19th @ **7:00 p.m.** "Troubled Water" - movie - City Hall. Edina needs help to facilitate a post-movie discussion - e-mail blast and in the SunCurrent.

Ask Michelle & David if they're willing to help / facilitate the discussion after the movie.

Literature to hand out that has to do with the stenciling campaign.

1 pound of Phosphorus supports 500 pounds of algae. Approximately 5 yard waste bags (which is approximately 1 pound of Phosphorus) will support 500 pounds of algae.

Michelle e-mail for the [*Do It Green! Minnesota*](#)

. The event has local green businesses and artists, and also educational booths and activities. [Sat, Nov 22, 10am - 5pm
920 E Lake St, Minneapolis, MN 55407
(612) 345-7973

Rain Barrel purchase program
Get the City of Edina to buy rain barrels

\$80/ \$90 for some fancy rain barrels, but most are about \$40 to \$50.

Determine if there's a budget first.

What's a ballpark for a rain barrel purchase program?

Budget for what the WQWG will be doing next year will be submitted in October.

Choose a style, paint them

Different types of rain barrels (cheap and higher value).

Issues with maintaining water barrels.

How to actually run the program (barrel distribution, promotion, etc.).

We'll have to decide as a group (WQWG) to commit to the idea of moving forward with getting a Rain Barrel purchase program - 200

Hopkins Lyons club makes and sells them for \$50.

When people are contacted, then e-mail the group to coordinate dates for who's getting the stenciling kits when.

Next meeting is October 2nd 2014 @ 6:30 p.m. **Upstairs** in the Community Room.

Edina Community Solar Subcommittee-Staff meeting summary
April 16, 2014

Attendees: Tim Barnes, Ross Bintner, Ken Bradley (MN Community Solar), Scott Neal,
Josh Sprague, Bill Sierks, Paul Thompson

Invited but Absent: Jim Hovland

Background: In its 2014 Work Plan, the EEC identified Xcel's new "Community Solar" program as one of the Commission's priorities. The details of Xcel's program are not yet final, and the program is currently subject to review and comment before the Minnesota Public Utilities Commission, Docket No. E002/M-13-867.

The subcommittee had its kickoff meeting on April 16, 2014. Ken Bradley of Minnesota Community Solar attended at the invitation of the subcommittee and provided an overview of the basic workings of a community solar project as proposed by Xcel before the PUC. The meeting attendees asked questions about how a community solar program operates and what the City's role in such a program could be. Ken Bradley then left the meeting so the City and EEC participants could discuss their thoughts on the City's possible role here. The consensus of the group after that discussion was that the subcommittee should continue to examine whether the City has a suitable location for a community solar project and identify what steps the City needs to take to further evaluate whether its participation in Xcel's community solar program is viable.

Edina Community Solar Subcommittee-Staff meeting summary
May 9, 2014

Attendees: Ross Bintner, Nathan Franzen, Bill Sierks, Paul Thompson
Invited but Absent: Scott Neal, Jim Hovland, Josh Sprague.

Background: In its 2014 Work Plan, the EEC identified Xcel's new "Community Solar" program as one of the Commission's priorities. The details of Xcel's program are not yet final, and the program is currently subject to review and comment before the Minnesota Public Utilities Commission, Docket No. E002/M-13-867. The subcommittee had its kickoff meeting on April 16, 2014. The outcome of that meeting was an agreement to continue evaluating whether the City had a viable location for a community solar project; what steps the City needs to take to decide on an appropriate role for the City (i.e. host, owner, customer); and what steps the City needs to take to actually host a community solar project for its residents.

At the May 9 meeting, the team discussed the specific action steps for the City to continue looking into a community solar project and issues to evaluate. A summary of the topics and issues follows.

Possible sites for review:

- Cold Storage Hillside Site (169 and 494)– security is needed for ground mounted system; south exposure is good; can be done on hill.
- Braemar Arena – arch roof requires more engineering review, but can work, penetrations needed to be secure. The arching metal seam roof is not a problem. Flat roof section is ideal, but a bit small.
- Public Works Facility – newly refurbished roof can be ideal; old building code leaves 5lb/sf for ballasted systems, and roof is new so it will last as long as the solar. Can get letter from architect if recently reviewed. Make sure roof membrane warranty is not compromised.
- 50th and France Roof of Parking Lot– Parking lot mounted is expensive, and would have to be justified with other cost savings. (No snow removal)

Ground mounted is cheapest, followed by rooftop at around \$0.5-1.0/W installed premium. PV system mounted on roof of parking lot is much more expensive. Can bundle multiple sites for efficiencies of scale.

Economics

City of Edina can negotiate payment for lease, or take solar credits in-lieu of lease. Be sure to understand liability and insurance for both system and rooftop. RFP/Bid process is highly recommended to get the most competitive deal. GESP/ESCO contract method possible too, but if an open bid process is not required, costs could

be hidden and markup applied. Lease could be up to 20 years. City needs to make sure roof will last that long as it's not cost effective to have to repair or replace a roof with PV system installed. The City can own up to 40% of the system. City can use Met Council established energy inflation rate (approx 4%) to calculate long term energy cost savings.

Developer-- lease ownership needed to monetize tax benefits. Production tax credit and accelerated depreciation apply to system and reduce cost. The more system ownership committed to, the more tempting for a developer, as they have less work community shares to disburse.

Example system (very approximate costs): 250kW at about \$3/W installed = \$750,000 total cost, \$450,000 after tax benefits.
System generates around (1250kWh/W installed) for total 312,500 kWh/year.
Priced @ \$0.12/kWh = \$37,500/year for a 12 year simple payback.

Next Steps in Project Development

1. City needs \$10-20K to hire an engineering firm to do site analysis and put together specifications and needed improvements. City can specify roof attachments, and liability coverage.
 - a. Erickson Road (sp) of St. Paul is a roofing engineer capable of evaluating the Braemar roof.)
 - b. Also need to work with the company currently warranting the roof.
2. Council commitment needed after preliminary analysis for a range of system ownership (\$200K range for 100kW owned, as 40% of 250kW)
3. After Council commitment is made, work with legal and engineer to develop and administer RFP.

Project Evaluation Steps Include:

- Site Evaluation
- Interconnection to Grid
- Conduit Routing
- Attachments to Structure

Issues

The City needs at least a 20 year roof. Also the contract must allocate the risk of roof repairs, and the City must make sure the existing roof warranty stays intact. After selecting a vendor the City should require the contractor to assure the warranty stays intact as well.

IF the City is willing to buy up to 40% of the system, this will reduce the cost to the developer and is attractive.

The City should have professional assistance if considering a solar leaseback.

Examples and further resources

Maplewood has a unique solar ownership structure, not community solar though. Woodbury has done some review of the RFP process, but has not yet moved forward. Westwood (Jack Hayes) does engineering in solar arena, and is the only local player. Otherwise the City can solicit nationally.

Motion to EEC by Community Solar subcommittee:

Recommend that City Council and City Manager take these actions to advance Community Solar in Edina:

1. Hire an engineering firm to do site analysis and prepare specifications for bidding a city-hosted community solar project. The estimated cost range is \$10 K to \$20 K. As part of this process, the City needs to work with the company currently warranting the roof of the host site.
2. The City should assume ownership of up to 40% of the Community Solar project. (40% is the maximum any subscriber may own under state law). The estimated cost of 40% ownership of a 250kW system is approximately \$200K.
3. The City should also work with the City attorney and engineering staff to develop and administer the community solar RFP. Issues that need to be addressed include but are not limited to Site Evaluation; Interconnection to Grid; Conduit Routing; Attachments to Structure; Insurance; and Liability Coverage.

2015 EEC Workplan preface

Edina (both the City entity and the community overall) will fail to meet the existing 2008 Comprehensive Plan Chapter 10 Greenhouse Gas (GHG) reduction commitment for 2015 (a 15% reduction from 2007 baseline). This means the City is also failing to meet numerous other commitments it has made (please see March 14, 2013 memo attached).

The EEC believes that the lack of a comprehensive City plan on energy/GHG reduction activities will doom Edina to failure with its 2025 and 2050 reduction targets. Since the City has claimed it will take a leadership role in its own operations, the EEC will focus its 2015 efforts on working with Council and Staff to create detailed and properly resourced action plans for energy/GHG reductions.

Given the EEC is an advisory body, any improvement in the City's performance will require leadership from the City Council and resources and management by the City Staff. If the City is unwilling to undertake serious action in its own operations, it is doubtful that it can lead (or mandate) actions for local residents and businesses.



**(BOARD/COMMISSION)
2015 Annual Work Plan**

Complete each section with a white background. Add or delete tables as needed. Return to the Assistant City Manager by September 19.

2015 New Initiative Workplan Item 1 (WP1)	Target Completion Date	Budget Required	Staff Support Required	Council Approval
<p>Reduce Energy Consumption and Greenhouse Gas Emissions (GHG) in City of Edina Operations to meet Comprehensive Plan Chapter 10 Goals.</p> <p>1) Measurement – continue to use and refine metrics and analyses</p> <ul style="list-style-type: none"> a. B3 database for all City Buildings b. Create metrics for City vehicle fleets(gallons of fuel) c. Create metrics for Utility operations (energy usage) d. Regional Indicators for City as a whole <p>2) City Building Energy Efficiency initiative</p> <ul style="list-style-type: none"> a. EEC Commissioners to work with City Manager and City Building manager to create a detailed plan for retrofitting existing buildings within 5 years b. At least one building will be retrofitted in 2015 either under the City’s own effort or under the State GESP program <p>3) City Capital Process Environmental Considerations Initiative</p> <ul style="list-style-type: none"> a. EEC to review results of having an environmental considerations section in 2014 CIP process. EEC commissioners will work with City staff to refine and expand so that all capital decisions (i.e., new buildings, major building renovations and fleet purchases) have explicitly environmental analysis on how they will affect City GHG commitments 	<p>April 1, 2015 July 1, 2015 July 1, 2015 April 1, 2015</p> <p>October 1, 2015</p> <p>December 31, 2015</p> <p>April 1, 2015</p>	<p>Staff Time Staff Time Staff Time \$500 (Consultant)</p> <p>Staff + \$1,000 (Consultant)</p> <p>Staff + \$10,000 (Consultant)</p> <p>Staff Time</p>	<p>Tim Barnes (12hrs) Gunnar Kaasa (20hrs) Dave Goergen (20hrs)</p> <p>Scott Neal (8hrs) Tim Barnes (80hrs)</p> <p>Tim Barnes (200hrs)</p> <p>Eric Roggeman (20hrs)</p>	

Progress Report:				
2015 New Initiative Workplan Item 2 (WP2)	Target Completion Date	Budget Required	Staff Support Required	Council Approval
Promote the Reduction of Energy Consumption and Greenhouse Gas Emissions (GHG) in the City of Edina at large to meet Comprehensive Plan Chapter 10 Goals.				
1) Community solar project				
a. City will allocate staff time to scope, bid and execute a community solar project on a city building in 2015 once PUC finalizes community solar details. Public Works roof is initial target site.	December 31, 2015	Staff + \$10,000 (Consultant)	Ross Bintner (100hrs)	
b. EEC commissioners will work with the City staff on this effort				
c. The City will determine whether it wishes to purchase a share in this project for itself				
d. The April 2015 EEC community event will be used to roll out Community Solar to residents	April 1, 2015	Staff Time	Krystal Caron (80hrs)	
2) EEC coordination with Planning, Transportation and Parks commissions to achieve Chapter 10 commitments				
a. EEC commissioners will be assigned to attend these commission meetings to comment and recommend actions per the City's commitments	December 31, 2015	None	None	
3) Expand City subsidized Home Energy Squad (HES) installs for residents				
a. The City will fund 150 HES installs at a cost of \$10500, prioritize for lower income (a dramatic increase over the current funding of \$4000)	December 31, 2015	\$10,500 (Consultant)	Minor	
Progress Report:				

2015 New Initiative Workplan Item 3 (WP3)	Target Completion Date	Budget Required	Staff Support Required	Council Approval
<p>EEC will hold a 2 hour working session with City Council and City Manager to discuss existing Edina City environmental commitments and to align EEC charter, expectations, resources and timetables for results</p> <p>1) To be held after November elections to ensure continuity as new Council begins work</p>	January 31, 2015	None	Minor	
Progress Report:				

Ongoing Responsibilities
Green Step Cities Reporting – review ongoing activities in GreenSteps program.
Urban Forestry – track progress through Parks and Planning Commissions, review final product.
Solid Waste and Recycling – track MPCA compost rulemaking and emerald ash borer quarantine changes.
Annual Purchasing Policy Report – review ongoing purchasing activities.

Other Work Plan Ideas Considered for Current Year or Future Years	

Proposed Month for Joint Work Session:	January, August
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Staff Comments:	
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Council Comments:	
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