



**Energy and Environment Committee
Regular Agenda
January 12, 2016
5:30 PM
Meeting Room 1**

- 1. Call to Order**
- 2. Roll Call**
- 3. Approval of Minutes**
 - 1. Draft December 8, 2015 Minutes**
Summary: Draft Minutes from the Energy and Environment Committee's December 8, 2015 Meeting
- 4. Unfinished Business**
 - A. Trash and Recycling*
 - B. Subcommittee Update*
 - C. Ingenuity Worldwide*
 - D. CNG*
 - E. Climate Action Plan*
- 5. New Business**
 - A. Solid Waste Grants*
- 6. Business from Members**
- 7. Business from Staff Liaison**
- 8. PACE**
- 9. Adjourn**



**Energy and Environment Committee
Regular Minutes
December 8, 2015
5:30 PM
Meeting Room 1**

1. Call to Order

2. Roll Call

Ben Lefton	Chairman	
Alexis Travers	Vice Chairman	
George Hall		(Absent)
Hal Harris		(Absent)
Joseph Martinich		
Judy Sherman		
Molly Hyland		
Samuel Marquez		(Absent)
Sheerie Green		
Andrea Muskopf	HR Asst	
Robert Kent	Councilman	(Absent)

Also present: Intern Luis Garcia

3. Approval of Minutes

Committee Member Sherman moved to approve the minutes of the October 13, 2015 meeting. Committee Member Green seconded the motion. All were in favor.

1. Draft Minutes of October 13, 2015 Meeting

4. Unfinished Business

A. Trash and Recycling

Chair Lefton asked if the Committee could receive an update from Public Works Director Jim Heines regarding the status of Republic Service's transition to CNG for the vehicles that service the City. Staff Liaison Muskopf informed the Committee that Mr. Heines reached out to Republic Services during the first week of December. Republic Services provided the following information:

- Republic currently has a commercial CNG trash truck and a commercial CNG recycle truck operating in the city.
- Republic received their residential CNG trash truck during the last week of November and will have it in place within the next 2 weeks.
- Next year (2016), Republic will be switching the residential recycle truck to CNG.

Staff Liaison Muskopf informed the Committee that the contract allows Republic Services to convert their vehicles to CNG through June 30, 2017.

Committee Member Travers asked when the new recycle toters will be delivered. Staff Liaison Muskopf said that some toters have been delivered but she will send the Committee an email with an update on the anticipated delivery.

Chair Lefton told the Committee that he received a recommendation from a citizen to include an article in an upcoming newsletter regarding how to place a toter at the curb and which items can be recycled. Staff Liaison Muskopf said that she would pass the information along to Public Information



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Officer Bess McCoy.

B. Bicycle Friendly Community

Staff Liaison Muskopf informed the Committee that she met with Committee Member Harris and Lieutenant Francis regarding bicycle safety programs in Creve Coeur. Lt. Francis said that Creve Coeur used to offer safety classes; however, there was no longer a demand for the classes. The outcome of the meeting was that for Staff Liaison Muskopf to reach out to Kirkwood to learn more about their Bicycle and Pedestrian Plan.

She reached out to Kirkwood and learned that they had received a grant which provided funding for Trailnet to conduct the research and create the plan. She followed up with Trailnet and learned that the plans were part of a federal grant; however, there may be a chance that funding could become available during 2016. Staff Liaison Muskopf met with several staff members to discuss the grant. Staff's recommendation is to complete the Comprehensive Plan and use the feedback from the Plan to determine whether or not to proceed forward with a Bicycle and Pedestrian Plan. Chair Lefton agreed and asked if the Committee was in favor of putting the bicycle plan on hold until the Comprehensive Plan was completed. All were in favor.

C. Subcommittee Update

Committee Member Martinich provided the Committee with an update. The following educational events are planned:

- Resident:
 - Free and open to public
 - Make Your Life Greener: More Money in Your Pocket, Less Impact on the Environment
 - Tuesday, January 19, 7:00 p.m.
 - Dielmann Recreation Complex, 11400 Olde Cabin Road
- Business:
 - Free and open to public
 - Make Your Business Operations Green
 - Wednesday, January 27, 8:30 a.m.
 - Dielmann Recreation Complex, 11400 Olde Cabin Road

Committee Member Martinich added that he is hoping for feedback during the January events to plan future events. He talked to Mercy and they have offered to host the March event(s) and Jean Ponzi from Missouri Botanical Gardens has agreed to give a presentation on the St. Louis Green Business Challenge for the sustainable business series.

Staff Liaison Muskopf informed the Committee that the information about the events have been published in the December and January newsletters and on the City's website. The events will also be published on the City's social media pages.

Chair Lefton asked if signs similar to those for Coffee with the Mayor could be made for the events. Staff Liaison Muskopf said she would research and let him know.

D. Enginuity Worldwide

Chair Lefton informed the Committee of Enginuity Worldwide and how the business turns yard waste into fuel. He said that it would be interesting to have them speak to the Committee about their business. Staff Liaison Muskopf will contact Public Works Director Jim Heines to obtain details about

Attachment: EEC Meeting Summary 12-08-2015 DRAFT (1715 : Draft December 8, 2015 Minutes)



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our current program. The Committee will then determine whether or not to invite Enginuity Worldwide to present to the Committee.

E. CNG

Chair Lefton informed the Committee that he and Council Member Kent talked to someone with Missouri Department of Transportation (MODOT) regarding obtaining a federal grant for CNG. The contact at MODOT worked with the City of Chesterfield to help them obtain their grant and has agreed to review the City of Creve Coeur's information to determine whether or not we would be a good candidate for the grant. He would like Staff Liaison Muskopf to obtain the following information from Public Works.

- Number of Vehicles
- Types of Fuel

Chair Lefton and Council Member Kent will take the information provided by staff to the contact at MODOT for his review.

1. Compressed Natural Gas

5. New Business

A. Climate Action Plan

Intern Luis Garcia provided the Committee with the information in Phase II of the Climate Action Plan and requested feedback from the Committee.

B. Solid Waste Grants

Chair Lefton requested the solid waste grant be placed on the January, 2016 agenda under "New Business" for the Committee to discuss. Chair Lefton asked Committee Member Martinich if he thought the education program would be a candidate for the grant. Committee Member Martinich stated that he has had experience with these grants and it is possible that the City may be a candidate with the Committee's education program.

1. Solid Waste Grant Information

6. Business from Members

Committee Member Hyland informed the Committee that she will be doing additional research of Electric Motor Vehicle (EMV) charging stations and requested that the topic be placed back on the Committee's agenda beginning in February, 2016. Committee Member Martinich moved that the Committee support Committee Member Hyland's request to research grants related to EMV charging stations. Vice-Chair Travers seconded the motion. All were in favor.

7. Business from Staff Liaison

Staff Liaison Muskopf invited the Committee to attend the December 14, 2015 City Council Work Session to be present for Intern Garcia's presentation on the Greenhouse Gas Emissions Inventory and Phase II of the Climate Action Plan. The City Council has also offered to meet with the Committee to discuss any concerns or comments the Committee may have.



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A. Capital Improvement Plan

Staff Liaison Muskopf informed the Committee that the City is currently seeking input for the Capital Improvement Program (CIP) for FY17. The city updates its five-year capital improvement program (CIP) every year. Capital improvements include projects such as the construction of sidewalks, installation of park amenities, street resurfacing, and improvements to the stormwater system. If you would like the city to consider a project, please submit your ideas by January 15, 2016 to Sharon Stott, Assistant to the City Administrator.

1. Capital Improvement Plan

8. Adjourn

Committee Member Green moved to adjourn the meeting. Committee Member Hyland seconded the motion. All were in favor.

The meeting adjourned at 6:35 PM.



Energy and Environment Committee

SCHEDULED

DRAFT MINUTES (ID # 1661)

Meeting: 12/08/15 05:30 PM
Department: Energy and Environment Committee
Category: Report
Prepared By: Andrea Muskopf
Initiator: Andrea Muskopf
Sponsors:
DOC ID: 1661

Draft Minutes of October 13, 2015 Meeting

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**Energy and Environment Committee
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1. Call to Order

Chair Lefton called the meeting to order at 5:34 PM.

2. Roll Call

Ben Lefton	Chairman	
Alexis Travers	Vice Chairman	(Absent)
George Hall		
Hal Harris		
Joseph Martinich		(Absent)
Judy Sherman		
Molly Hyland		
Samuel Marquez		(Absent)
Sheerie Green		
Robert Kent	Councilman	
Andrea Muskopf	HR Asst	

3. Approval of Minutes

1. Draft Minutes from September 13, 2015

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Sheerie Green
SECONDER:	Molly Hyland
AYES:	Lefton, Hall, Harris, Sherman, Hyland, Green
ABSENT:	Travers, Martinich, Marquez

4. Unfinished Business

A. Trash and Recycling

The Committee discussed the delayed delivery of the new recycling totes.

1. Trash and Recycling Tonnage 2010-2015

Summary: Trash and Recycling Tonnage 2010-2015

B. Bicycle Friendly Roads

Committee Member Harris provided the Committee with a handout of the "Attributes of a Bicycle Friendly Community".

He added that he would like to see the City add a staff member who would focus on the encouragement and enforcement of cycling in Creve Coeur. The Committee inquired about this process. Staff Liaison Muskopf stated that the Committee should compile a list of responsibilities and reasons for their support of the position and pass the recommendation on to the City Council for their recommendation during the Fiscal Year 2017 process. In the meantime, a meeting with the COPPS Unit of the Police Department would be beneficial to discuss their current programs or potential



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programs. She stated she would contact the Police Department and schedule a meeting with Committee Member Harris.

1. Attributes of a Bicycle Friendly Community

C. Subcommittee Update

Committee Member Hall provided the Committee with an update. He requested feedback from the Committee on the list of recycling sites. Committee Member Sherman asked whether or not there were any legal restrictions with providing a list to the public. Staff Liaison Muskopf stated that she would follow up with the City Attorney.

The following recommendations were made:

- Used household items; clothing; electronics - Red Racks and Salvation Army
- Electronics - Microcenter (Brentwood)
- Shoes - Birkenstock (Olive Boulevard)

Committee Member Hall informed the Committee of the survey which was created to receive feedback about the upcoming green education sessions. To date, there have not been any responses to the survey.

D. Comprehensive Plan

The Committee discussed several talking points for the meeting with H3 Studios on Tuesday, November 10.

- Bike Plans
- Sidewalks
- Organization of the current plan
- Compress Natural Gas (CNG)
- Recycling

Committee Member Harris and Committee Member Sherman previously emailed summaries and suggestions to the Committee. Staff Liaison Muskopf will resend these documents to the Committee.

5. New Business

Chair Lefton provided the Committee with handouts about Enginuity Worldwide. He also provided an overview of the company and requested that the Committee review and research the information to discuss at a later date.

1. Enginuity Worldwide

6. Business from Members

7. Business from Staff Liaison

Staff Liaison Muskopf informed the Committee an email she received from a resident. The resident suggested that Creve Coeur offer a way to discard items, such as printers, in an environmentally friendly way which would increase the amount of items that are recycled rather than just junked in a way that hurts the environment. He also added that another way to help the environment would be if Creve Coeur



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could serve as some sort of “middle man” in getting recyclable items that could be used by someone without it having to increase waste.

The Committee discussed the suggestions and determined that providing these resources at this time is not feasible; however, the Committee is creating a list of recycling locations for certain items. Staff Liaison will provide the resident with an update.

8. Adjourn

Committee Member Harris moved to adjourn the meeting. Committee Member Sherman seconded the motion. The meeting adjourned at 6:37 PM.



Energy and Environment Committee

Meeting: 12/08/15 05:30 PM
Department: Energy and Environment Committee
Category: Report
Prepared By: Andrea Muskopf
Department Head: Andrea Muskopf

SCHEDULED

STAFF REPORT

Compressed Natural Gas

Attachment: EEC Meeting Summary 12-08-2015 DRAFT (1715 : Draft December 8, 2015 Minutes)

Muskopf, Andrea

From: blefton <blefton@charter.net>
Sent: Tuesday, November 17, 2015 6:37 PM
To: Muskopf, Andrea
Subject: Fw: CNG info

As you are aware we have on our agenda CNG evaluation for CC vehicles.
 Bob did a fair amount of research and summarizing of the current prigrams.
 Please forward this email to committee members so all can discuss at the proper time.
 Thanks.
 Ben

Sent on a Sprint Samsung Galaxy Note® II

----- Original message -----

From: Robert Kent
Date: 11/17/2015 1:39 PM (GMT-06:00)
To: Ben Lefton
Subject: Fw: CNG info

Ben:
 See below & attachments. Should give you & the committee most of what you need to proceed.
 Discuss at your pleasure
 bob

On Tuesday, November 17, 2015 9:14 AM, Jason Lange <jason.lange@ewgateway.org> wrote:

Robert: Sorry, I thought I had sent this along. I've included more information on the CMAQ program below with its relationship to Alt Fuel Vehicles. See below.

https://www.fhwa.dot.gov/environment/air_quality/cmaq/reference/alternative_fuel/

Title 23 (Federal Highway) funds cannot be used to fund general government operations, including the acquisition of vehicles that perform such general functions, e.g. police and firefighting.

17. Alternative Fuels and Vehicles

The FHWA issued a memorandum in April 2011, covering the relationship between the required emissions reduction benefits of alternative fuel vehicles and the associated cost principles at 2 CFR Part 225.^[53] Essentially, this guidance illustrates the cost-benefit relationship between different vehicle types and functions and the air quality benefit provided as a cost basis under the CMAQ program. The memorandum, outlining the requirements in 23 U.S.C. 149, supports eligibility only for the incremental cost, limited to the marginal emissions-reducing elements of the alternative fuel vehicles that are acquired through PPPs or that are purchased by public sponsors.

Program funds may be used to support projects involving the alternative or renewable fuels defined in the Energy Policy Act of 1992^[54] or the Energy Independence and Security Act of 2007.^[55] All standard eligibility criteria apply. Aside from fuel acquisitions that are part of a transit operating support effort, stand-alone purchase of any fuel-alternative or otherwise-is not an eligible CMAQ cost.

However, the few exceptions provided by Section 1808(k) of SAFETEA-LU continue under MAP-21, subject to the limitation on operating assistance as described in Section VII.A.2.

Generally, CMAQ support for alternative fuel vehicle projects can be broken into the following areas:

Infrastructure

Except as noted below, establishing publicly owned fueling facilities and other infrastructure needed to fuel alternative-fuel vehicles is an eligible expense, unless privately-owned fueling stations are in place and reasonably accessible. Fueling facilities can dispense one or more of the alternative fuels identified in section 301 of the 1992 Energy Policy Act or biodiesel, or provide recharging for electric vehicles. Additionally, CMAQ funds may support converting a private fueling facility to support alternative fuels through a public-private partnership agreement. In accordance with 23 U.S.C. 149(c)(2), and 23 U.S.C. 111, regarding the prohibition of commercial activities in the Interstate ROW, CMAQ-funds may be used to establish or support refueling facilities within the Interstate ROW, providing these services are offered at no charge.

Non-transit Vehicles

The CMAQ funds may be used to purchase publicly-owned alternative fuel vehicles, including passenger vehicles, service trucks, street cleaners, and others. However, only publicly owned vehicles providing a dominant transportation function can be fully funded, such as paratransit vans, incident management support vehicles, refuse haulers, and others. Costs associated with converting fleets to run on alternative fuels are also eligible. When non-transit vehicles are purchased through PPPs, only the cost difference between the alternative fuel vehicles and comparable conventional fuel vehicles is eligible. Such vehicles should be fueled by one of the alternative fuels identified in section 301 of the 1992 Energy Policy Act or biodiesel.

Eligible projects also include alternatives to diesel engines and vehicles. Alternative fuel vehicle projects that are implemented as diesel retrofits and involve the replacement of an operable engine-not standard fleet turnover-would be eligible for full Federal participation, i.e. an 80 percent Federal share of the full vehicle cost.

Hybrid Vehicles

Although not defined by the Energy Policy Act of 1992 as alternative fuel vehicles, certain hybrid vehicles that have lower emissions rates than their non-hybrid counterparts may be eligible for CMAQ investment. Hybrid vehicle models that are in part the focus of State legislation addressing HOV exemptions for alternative fuel and low emissions vehicles are considered eligible for CMAQ support.^[56] Other hybrid vehicles will be assessed on a case specific basis, as there is no specific EPA regulation available to rate the lower emissions and energy efficiency advantages of the models involved.

Projects involving heavier vehicles, including refuse haulers and delivery trucks, also may be appropriate for program support. Eligibility should be based on a comparison of the emissions projections of these larger candidate vehicles and other comparable models.

Jason Lange
Transportation Planner
East-West Gateway Council of Governments
One South Memorial Dr, Suite 1600
St. Louis, MO 63102

Phone: 314-421-4220 (MO)
618-274-2750 (IL)

Fax: 314-231-6120

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Energy and Environment Committee

Meeting: 12/08/15 05:30 PM
Department: Energy and Environment Committee
Category: Report
Prepared By: Andrea Muskopf
Department Head: Andrea Muskopf

SCHEDULED

STAFF REPORT

Solid Waste Grant Information

Attachment: EEC Meeting Summary 12-08-2015 DRAFT (1715 : Draft December 8, 2015 Minutes)

The St. Louis-Jefferson Solid Waste Management District has notified local governments, businesses, and organizations located in the City of St. Louis, St. Louis County, Jefferson County and St. Charles County, of the availability of approximately \$2 million in grant funds to assist cities and other entities with increasing waste reduction and recycling efforts. The District is strongly encouraging cooperative efforts between groups. Waste reduction, recycling, composting, education, and household hazardous waste projects are eligible. In previous grant rounds, the average amount awarded has been approximately \$40,000, with a range of less than \$5,000 to well over \$100,000. The District requires a minimum 10 percent match, which may be either a cash or in-kind contribution. Eligible costs include equipment, consulting, salaries, education, and direct costs associated with a project. District applications are currently available online at www.swmd.net and must be submitted by 5 PM, Friday, December 18. For more information, contact the District office at (314) 645-6753.

Muskopf, Andrea

From: blefton <blefton@charter.net>
Sent: Sunday, November 22, 2015 2:23 PM
To: Muskopf, Andrea
Cc: Bob Kent
Subject: Fwd: Solid waste grants available
Attachments: SOLID WASTE GRANTS AVAILABLE.pdf

Please circulate Mr Kent's memo to committee members as discussion under new business. We have a formal education program in place that may just be enough to qualify Creve Coeur for a grant allowing us to further our efforts to educate and promote recycling for our citizens.

Best regards

Benjamin Lefton
 314 477 3345
 blefton@charter.net

Sent on a Sprint Samsung Galaxy Note® II

----- Original message -----

From: Robert Kent
Date: 11/22/2015 12:15 PM (GMT-06:00)
To: "blefton@charter.net" , "kentivcouncil@charter.net"
Subject: Solid waste grants available

Ben:
 see attached information from the Municipal League
 There are recycle grants available.
 Deadline is December 18
 Perhaps you and the committee and staff might want to apply for money to educate citizens to increase recycling now that the tote issue is solved. The new size requested recycling totes will all be delivered by the end of the year..
 See the attached clip scanned in from the municipal league news.
 Bob

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Energy and Environment Committee

Meeting: 12/08/15 05:30 PM
Department: Energy and Environment Committee
Category: Report
Prepared By: Andrea Muskopf
Department Head: Andrea Muskopf

SCHEDULED

STAFF REPORT

Capital Improvement Plan

Attachment: EEC Meeting Summary 12-08-2015 DRAFT (1715 : Draft December 8, 2015 Minutes)

Muskopf, Andrea

From: Stott, Sharon
Sent: Monday, November 30, 2015 12:12 PM
To: Eidman, Glenn; Ryan, Deborah; McCoy, Bess; Heines, Jim; Valvero, Jason; Muskopf, Andrea; Jaggi, Jason; Unser, Steve; Perkins, Mark C.
Subject: Suggestions - Capital Improvement Plan Fiscal Years 2017-2021
Importance: High

Staff Liaisons to City Boards, Committees and Commissions: Please share the below with your members.

City Seeks Citizen Input for Capital Improvement Projects Fiscal Years 2017-2021

The city updates its five-year capital improvement program (CIP) every year. An important part of this annual process includes gathering ideas for projects from Creve Coeur residents.

Capital improvements include projects such as the construction of sidewalks, installation of park amenities, street resurfacing, and improvements to the stormwater system. Funding for capital projects comes from the city's half-cent capital improvement sales tax, grants, and transfers from the general fund. The capital budget for this fiscal year is approximately \$3.2 million.

The Planning & Zoning Commission is expected to be presented with a draft CIP in late February/early March 2016 and will make a recommendation to the City Council. The City Council will then hold work sessions to review the proposed CIP update. A public hearing will be advertised and held by the City Council before final adoption.

If you would like the city to consider a project, please submit your ideas by January 15, 2016 to [Sharon Stott](#), Assistant to the City Administrator, c/o CIP Ideas, City of Creve Coeur, 300 N. New Ballas Rd., Creve Coeur, MO 63141, or complete the online [CIP Suggestion Form](#). To learn more about the current 5-year CIP plan (FY16-FY20), visit www.creve-coeur.org/cip.

Sharon Stott, MBA
 Assistant to the City Administrator
 City of Creve Coeur
 300 N. New Ballas Rd.
 Creve Coeur, MO 63141
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 (F) – 314-872-2539
sscott@ci.creve-coeur.mo.us

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