

1. 6:30 P.M. RCC 09/21/2015 Agenda

Documents: [RCC\\_20150921\\_AG.PDF](#)

2. 6:30 P.M. RCC 09/21/2015 Packet

Documents: [RCC\\_20150921\\_PK.PDF](#)



City of Fitchburg  
5520 Lacy Road  
Fitchburg, WI 53711-5318  
Phone: (608) 270-4260  
Fax: (608) 270-4275  
[www.fitchburgwi.gov](http://www.fitchburgwi.gov)

**AGENDA**  
**Resource Conservation Commission**  
**Monday, September 21, 2015**  
**6:30 P.M.**  
**Meeting Room**

**NOTICE IS HEREBY GIVEN** that the Fitchburg Resource Conservation Commission will meet at **6:30 P.M. in the Meeting Room** at City Hall, 5520 Lacy Road to consider and act on the following:

(Note: Full coverage of this meeting is available through FACTv and Streaming Video, accessible on the city web site at <http://www.fitchburgwi.gov/677/Government-Channel>)

1. Call to Order
2. Appointment of Timekeeper
3. Public Appearances on Non-Agenda Items
4. Approval of Minutes from July 20, 2015 RCC Meeting (6:32pm\*)
5. New Business
  - a. **Resolution R-96-15** – A Resolution to Set the 2016 Solid Waste Collection Rates (6:35pm\*)
  - b. Discussion/Approval of Yard Waste Collection Pilot to encourage reusable bags/containers (6:50pm\*)
  - c. Introduction to Wisconsin Distributed Resources Collaborative – Tony (7:10pm\*)
6. Unfinished Business
  - a. MG&E's Charge to Fitchburg for Street Lamps Electricity – LED Lights - Erika (7:30pm\*)
  - b. Focus on Energy – Solar Grants - Erika (7:40pm\*)
  - c. Sustainability Management System Update - Chris (7:50pm\*)
  - d. Update on 2016 RCC Operating Budget Requests – Diane/Erika (8:00pm\*)
  - e. Retrocommissioning Update - Samuel/Erika (8:10pm\*)
  - f. Community Outreach Subcommittee – Chris/Erika (8:20pm\*)
7. Council Update (8:35pm\*)
8. Staff Update (8:45pm\*)
  - a. Solid Waste Update
  - b. Stormwater Update – Yahara WINS, etc.
  - c. Sustainability Update
9. Announcements (8:55pm\*)
  - a. Next Meeting – tentatively scheduled for November 16, 2015 at 6:30pm in the Meeting Room
10. Adjournment (9:00pm\*)

\*Times Tentative

---

*Note: It is possible that members of and possibly a quorum of members of other government bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Please note that, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact Fitchburg City Hall, 5520 Lacy Road, Fitchburg WI 53711, (608) 270-4200*



City of Fitchburg  
5520 Lacy Road  
Fitchburg, WI 53711-5318  
Phone: (608) 270-4260  
Fax: (608) 270-4275  
[www.fitchburgwi.gov](http://www.fitchburgwi.gov)

**AGENDA**  
**Resource Conservation Commission**  
**Monday, September 21, 2015**  
**6:30 P.M.**  
**Meeting Room**

**NOTICE IS HEREBY GIVEN** that the Fitchburg Resource Conservation Commission will meet at **6:30 P.M. in the Meeting Room** at City Hall, 5520 Lacy Road to consider and act on the following:

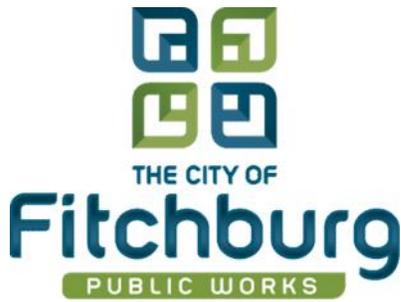
(Note: Full coverage of this meeting is available through FACTv and Streaming Video, accessible on the city web site at <http://www.fitchburgwi.gov/677/Government-Channel>)

1. Call to Order
2. Appointment of Timekeeper
3. Public Appearances on Non-Agenda Items
4. Approval of Minutes from July 20, 2015 RCC Meeting (6:32pm\*)
5. New Business
  - a. **Resolution R-96-15** – A Resolution to Set the 2016 Solid Waste Collection Rates (6:35pm\*)
  - b. Discussion/Approval of Yard Waste Collection Pilot to encourage reusable bags/containers (6:50pm\*)
  - c. Introduction to Wisconsin Distributed Resources Collaborative – Tony (7:10pm\*)
6. Unfinished Business
  - a. MG&E's Charge to Fitchburg for Street Lamps Electricity – LED Lights - Erika (7:30pm\*)
  - b. Focus on Energy – Solar Grants - Erika (7:40pm\*)
  - c. Sustainability Management System Update - Chris (7:50pm\*)
  - d. Update on 2016 RCC Operating Budget Requests – Diane/Erika (8:00pm\*)
  - e. Retrocommissioning Update - Samuel/Erika (8:10pm\*)
  - f. Community Outreach Subcommittee – Chris/Erika (8:20pm\*)
7. Council Update (8:35pm\*)
8. Staff Update (8:45pm\*)
  - a. Solid Waste Update
  - b. Stormwater Update – Yahara WINS, etc.
  - c. Sustainability Update
9. Announcements (8:55pm\*)
  - a. Next Meeting – tentatively scheduled for November 16, 2015 at 6:30pm in the Meeting Room
10. Adjournment (9:00pm\*)

\*Times Tentative

---

*Note: It is possible that members of and possibly a quorum of members of other government bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Please note that, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact Fitchburg City Hall, 5520 Lacy Road, Fitchburg WI 53711, (608) 270-4200*



## Staff Memo

City of Fitchburg  
 5520 Lacy Road  
 Fitchburg, WI 53711  
 608-270-4264  
[www.fitchburgwi.gov](http://www.fitchburgwi.gov)

<b>To:</b>	Resource Conservation Commission
<b>From:</b>	Rick Eilertson, Environmental Engineer Erika Kluetmeier, Sustainability Specialist Felipe Avila, Engineering/GIS Specialist
<b>Date:</b>	September 18, 2015
<b>Subject:</b>	Staff Memo for the September 21, 2015 RCC Meeting

This memo is being written to provide background on the following agenda items for the September 21, 2015 RCC Meeting.

### 2. Appointment of Timekeeper –

Below is the upcoming tentative schedule for Timekeeper:

Meeting Date	Timekeeper
September 21, 2015	Tony Hartmann
November 16, 2015	Sam Cooke
January 25, 2016	Kia Stearn
February 15, 2016	Kim Warkentin
March 21, 2016	Jan Kucher
May 16, 2016	Diane Streck

4. **Approval of Minutes from July 20, 2015 RCC Meeting** – Draft minutes are included in the packet.

### 5. New Business

5.a. **Resolution R-96-15 – A Resolution to Set the 2016 Solid Waste Collection Rates** – The following documents are included for RCC’s review and recommendation:

- Referral Sheet for Resolution R-96-15,
- Spreadsheets, and
- Resolution R-96-15

5.b. **Discussion/Approval of Yard Waste Collection Pilot to encourage reusable bags/containers** – Please refer to the attached Yard Waste Collection Pilot Staff Memo in the packet.

5.c. **Introduction to Wisconsin Distributed Resources Collaborative** – Tony will provide a brief overview of the Wisconsin Distributed Resources Collaborative (WIDRC). WIDRC is offering funding to donate toward distributed energy resource related activities. Relevant activities include commercial distributed energy projects

or studies, distributed energy events, and distributed energy related conference sponsorships.

Applications will be considered on a case-by-case basis by the Collaborative under the terms of this Request for Applications. WIRDC intends to award a maximum of \$10,000 for projects starting in 2016.

Applications must be received no later than Tuesday, December 1, 2015. The Request for Applications is posted at <http://wisconsinindr.org>.

## **6. Unfinished Business**

**6.a. MG&E's Charge to Fitchburg for Street Lamps Electricity – LED Lights** – Focus on Energy provides incentives for any fixtures on their approved list. There is no minimum quantity, so testing a variety of LED street light fixtures could be covered under their regular incentives. There are no special incentives for testing LED street lights. The State Energy Office has not responded to requests for information on bulk purchasing, but the City has worked with Madison and Middleton in the past on bulk purchasing for other supplies.

**6.b. Focus on Energy – Solar Grants** – Please see the Sustainability Update for information on the Library solar project. Erika is in regular communications with Sherrie Gruder on the Library solar project.

**6.c. Sustainability Management System Update** – Chris will lead a discussion on this topic.

**6.d. Update on 2016 RCC Operating Budget Requests** – Diane and Erika will provide on budget requests submitted.

**6.e. Retrocommissioning Update – Samuel/Erika** – A new proposal to fund the remaining retrocommissioning recommendations was submitted for the 2016 operating budget.

**6.f. Community Outreach Subcommittee** – Chris and Erika will provide an update during the meeting and seek feedback from RCC members.

**7. Council Update** – Tony Hartmann will provide an update on this topic.

## **8. Staff Update**

**8.a. Solid Waste Update** – The Organics Collection Subcommittee (Jan, Tony, and Rick) met with Tim Bolhuis and David Pellitteri on September 2<sup>nd</sup> to discuss Dynamic Group's interest in working with Madison, Fitchburg, and other local municipalities to set up an anaerobic digester in the Dane County area that could process source separated organics. Discussion revolved around logistics and costs for resuming Curbside Organics Collection. One important consideration is how to either remove contaminants (plastic film, etc.) on the front end or the back end of the process. Madison is running their Organics through their large horizontal grinder once every

2+ weeks and hauling the material to the Middleton/Springfield Anaerobic Digester as a feedstock as a pilot.

To minimize cost increases associated with curbside organics collection, it's anticipated that Refuse/Trash Collection would change to every other week (alternate from the Recycling Collection weeks) and Organics Collection would happen weekly. The Pilot showed that ~70-80% of the households accepted the Organics carts, but a smaller percentage of households actually used the carts regularly. Residents were asked to voluntarily set out refuse carts every other week alternate from Recycling Collection weeks; however, there was very little compliance with this request, so this is something that will likely take a considerable effort if this initiative moves forward.

### **Summary of RCC 2015 Summer Event on Recycling at Boys & Girls Club**

On July 30, Mayor Steve Arnold, Alder Tony Hartmann, members of the RCC and City of Fitchburg Staff gave a presentation to the Boys and Girls Club in Fitchburg. The topic was recycling and reducing your garbage footprint. There were approximately 30 children participating. The presentation was broken into four parts: an introduction and video with the whole group, followed by three stations for groups of 10 children at each station. The three stations included a white tornado trash sort, a poster making station, and a reusable bag decorating station.

For the first station, the white tornado trash sort, about 14 pounds of solid waste was brought in to demonstrate how much waste an average individual creates in one day. The waste was presorted to show the breakdown of recyclables, food waste, and material that had to go to the landfill. The emphasis was on taking a little extra effort to separate the recyclables and to see what can be recycled. The second part of the presentation showed recyclables and what they could be turned into. For example, a plastic soda bottle can be recycled and turned into fleece for a jacket and milk containers can be turned into composite wood for decks and tables.

The second station was a poster creation station. The children were provided with poster board markers and colored pencils to make posters that encourage recycling and reducing plastic bag use. The kids came up with some great ideas and made some very nice posters. In the future, posters may be posted at Boys & Girls Club, and we may approach local stores to post them as well.

The third station was a bag decorating station. Each child received a plain white reusable canvas bag, as well as decorations like fabric paint, colored glue, and rhinestones to decorate the bags. The kids came up with some great designs and the bags looked great. Each child got to take home their bag and hopefully they will use them while grocery shopping with their families. Handouts on apartment recycling guidelines were also distributed in the bags for kids and families.

Overall it was a very successful presentation; the children seemed to enjoy it and the presenters had a good time as well. The Boys & Girls Club appreciated the opportunity to host the RCC Summer Event and expressed interest in working with the City in the future to boost recycling at their Fitchburg facility. A photo of the

Mayor and a camper with a decorated bag ran in the August 2015 edition of *Fitchburg Star*.

**8.b. Stormwater Update** – The City received notice that the Lacy Heights Bioretention Pond Construction will likely be awarded an Urban Non Point Source and Stormwater Management Grant from DNR (in addition to the grants already noted in the July 2015 RCC Staff Memo).

**8.c. Sustainability Update – Library Solar Committee Update** – A Library Solar Team began meeting in late June 2015 to evaluate funding options to install solar photovoltaic arrays on the Fitchburg Public Library roof. The Team evaluated financing the project through a third-party investor who is eligible for a 30% federal tax credit that is set to expire at the end of 2016, similar to City of Monona.

Under this model, a solar broker is hired to find an investor who pays all the upfront costs of design and construction as well as operation and maintenance costs. The investor owns the system, but the City may also negotiate to purchase the system after the tax credits are realized in five to six years. The City saves 40-50% in energy costs from energy generated.

Mayor Arnold, Cory Horton, Kevin Richmond, Wendy Rawson, Erika Kluetmeier toured the City of Monona's solar installation on one of their well houses on August 25, 2015. They also viewed an educational kiosk at the Monona Public Library (<http://www.mymonona.com/729/Live-Monitoring>) and toured the Badger Rock Center's building and rooftop solar system. Pat Marsh and Shannon Haydin with City of Monona led the tour. Sherrie Gruder, UW-Extension Sustainable Design Specialist and Kurt Reinhold, Managing Director of Legacy Solar Co-Op, also joined the tour as well.

The Fire Oversight Committee is evaluating geothermal and solar thermal systems for the West Fire Station. The Committee determined that the fire station will be built solar PV ready, but funding for solar PV arrays would be separate from the fire station budget. The City's Solar Team will evaluate funding opportunities in the future. Mayor Arnold, Tom Hovel, and Erika Kluetmeier toured Madison's Fire Station #12 on Sept. 9<sup>th</sup> with to view their geothermal and solar thermal systems as well as other green features. Jon Evans of Sustainable Engineering Group led the tour.

## **9. Announcements**

**9.a. Next Meeting** – tentatively scheduled for **November 16, 2015 at 6:30 pm in the Meeting Room**

## **10. Adjournment**

# DRAFT MINUTES

Resource Conservation Commission  
Monday, July 20, 2015

**RCC and Staff Members Present:** Diane Streck, Chris Jimieson, Tony Hartmann (arrived at 6:40pm), Kia Stearn, Kim Warkentin, Rick Eilertson, Erika Kluetmeier

**Others Present:** Scott Endl, City of Fitchburg Parks, Recreation & Forestry Director

**Absent:** Samuel Cooke, excused; Jan Kucher, excused

## 1. Call to Order

- Chris called the meeting to order at 6:31 p.m.

## 2. Appointment of Timekeeper

- Diane Streck was appointed Timekeeper.

## 3. Public Appearances on Non-Agenda Items

- None

## 4. Approval of Minutes from June 15, 2015 RCC Meeting

- *Diane moved to approve the Minutes, Kia seconded. Minutes were approved with two changes: 1) Strike third bullet under item 5.d. and 2) include "attendance at a related conference" under item 5.b. Action item #1.*

## 5. New Business

### 5.a. Updates to Fitchburg's Park & Open Space Plan

- Scott Endl (Parks, Rec & Forestry Dept.) and Wade Thompson (Planning Dept.) are soliciting input to update Fitchburg's Park & Open Space Plan for 2015-2020. The five-year plan provides direction and guides improvements for park amenities, facilities and programs.
- A focus of this plan will be on active play and providing new attractions like food carts and beer gardens to encourage people to use the parks. Partnerships with private vendors will be evaluated to expand the use of public property. The plan may include a new focus on detention ponds as educational and recreational spaces.
- The 2010-2015 Comprehensive Park, Open Space, and Recreation Plan is available on the City's website at:  
<http://wi-fitchburg.civicplus.com/736/Comprehensive-Park-Open-Space-Recreation>.
- An online and print community survey will be distributed shortly to gauge community interest and priorities.
- RCC members recommended incorporating reminders about recycling and information about zero waste into permit applications.
- Tony mentioned a lack of recycling containers at the recent Boys & Girls Club cycling fundraiser and encouraged adding more recycling containers when large events are scheduled.

# DRAFT MINUTES

## 6.a. MG&E's Charge to Fitchburg for Street Lamps Electricity – LED Lights

- Erika reported that MGE determines unmetered monthly costs based on type of light, wattage/amp, hours of operation, and a flat maintenance fee.
- Holly Powell, Fitchburg Engineering Technician, plans to have an inventory of street lights completed by the end of 2016.
- LED fixtures will be evaluated in preparation for LED conversion on McKee Rd. and Fish Hatchery.
- **Action item:**
  - **Erika will continue to look for incentives and cost savings from bulk purchasing through State Energy Office.**
  - **Erika will evaluate an FOE incentives or other grants for LED fixture testing**

## 6.b. Focus on Energy – Solar Grants

- Erika and Tony met with Focus on Energy Rep Neil Howard last week. They discussed incentives for solar pv, design assistance for new building projects, street lighting/LED conversion and retro-commissioning projects.
- **Action items:**
  - **Erika will schedule a meeting with the internal solar planning group to review solar models/funding options and discuss next steps.**
  - **Erika will contact Sherrie Gruder with a status update on solar planning.**

## 6.c. Eco-Municipality Discussion

- Chris summarized a meeting with Sherrie Gruder, Mayor Arnold, Rick & Erika to discuss the creation of an ad hoc Sustainability Task Force, facilitation of community study circles, and training of city staff and elected officials on The Natural Step (TNS) process.
- Mayor Arnold is evaluating funding options to begin the ad hoc committee/task force in 2015.
- **Action items:**
  - **Tony will ask Dan Carpenter about adding a TNS presentation to the August 26<sup>th</sup> Committee of the Whole agenda.**
  - **Erika will contact Sherrie Gruder to see if she is available to present an overview of The Natural Step process on August 26<sup>th</sup>.**

## 6.d. Review/Provide Recommendations for 2016 RCC Operating Budget Requests

- Diane reminded members that RCC does not have its own operating budget. RCC lists its requests so they can be included in the appropriate department and line item in Fitchburg's Operating Budget. For example, the Retrocommissioning and TNS budget are just reminders that these numbers need to be included somewhere in the 2016 Operating Budget.

## DRAFT MINUTES

- Battery recycling has been very popular. The City does not have a good year-to-date cost estimate because none of the collected batteries have been picked up and weighed for recycling yet.
- TNS Monona is discontinuing the Green Tuesday/Thursday films. Film attendance at all sites dropped dramatically over the past year.
- Chris suggested RCC hold a Green Thursday event quarterly to replace the monthly films and coordinate the topic with library staff.
- Diane mentioned RCC may need to purchase space in Fitchburg Star to ensure RCC articles are printed and suggested 6 articles/year.
- \$7,500 will be added to the chart for the remaining retro-commissioning recommendations.
- **Action item:**
  - **Rick will check on battery recycling weight estimates and update the budget as needed for 2016.**
  - **Diane will obtain an estimate of the cost for space in Fitchburg Star to print 6 RCC articles of 400-500 words.**
  - **Erika will check with Kevin and Cory on the budget process for retro-commissioning items.**

### 6.e. Retrocommissioning Update

- Samuel Cooke met with Kevin Richmond and Erika on June 23<sup>rd</sup> and provided clarification on remaining Retrocommissioning Report recommendations. With this additional information, Kevin will be able to implement all of the remaining recommendations.
- Erika reported that FOE funds are available for the Community Center project that will be completed this year.
- **Action item:**
  - **Erika will contact Kevin Richmond to discuss retro-commissioning incentives for 2016.**
  - **Erika will check with Cory/Kevin to evaluate funding options to complete the remaining recommendations.**

### 6.f. Community Outreach Subcommittee – Boys & Girls Club Summer Event Summer Event

- The RCC Summer Event will be held at the Boys & Girls Club on Thursday, July 30<sup>th</sup> from 1:00-2:30 p.m. A group of 60 campers, ages 9-13, will participate.
- Chris provided a summary of the program:
  - Session 1: Recycling Overview for entire group of students including landfill video.
  - Students will break into three groups of 20 and rotate through the following breakout sessions:
    - Session 2 – White tornado/waste sort
    - Session 3 – Cotton Bag decorating

# DRAFT MINUTES

- Session 4 – Poster-making to discourage the use of plastic bags and bottles. (Posters will be considered for possible placement in grocery stores to discourage the use of plastic bags).
- Members noted that these same activities can be tailored for school programs and community recycling events.
- **Action items:**
  - **Erika will check with Boys & Girls Club on news media attendance.**
  - **Erika will remind FACTv about event time change.**

## 7. Council Update

- Pat Marsh will begin work as Fitchburg's new City Administrator on Sept. 1.
- A bike safety course for adults (ages 16 and up) is being offered by Fitchburg Bicycling Advocates through the Rec Dept. on Sat., August 22 at Stoner Prairie Middle School from 9 a.m.- 4 p.m. at a cost of \$50.

## 8. Staff Update

### 8.a. Solid Waste Update

- Rick provided an update on discussions to set up an anaerobic digester in the Dane County area. He, Jan, and Tony will continue to stay on top of new information on this topic.

### 8.b. Stormwater Update

- Rick received notice that the Yahara WINs Executive Committee authorized stormwater grants for the Lacy Heights Bioretention Facility (\$10,500) and Schumann Greenway Restoration/McKee Farms Northwest Pond Enlargement (\$15,000). The National Fish & Wildlife Foundation grant was rejected. DNR will announce grant awards in September or October for Lacy Heights project.
- New Natural Resource Conservation Service (NRCS) rainfall depths and distributions requirements took effect in Wisconsin on April 1, 2015. The City started requiring all Erosion Control and Stormwater Management (ECSWM) permit applications submitted since April use the updated rainfall depths and distributions. Rick anticipates updating the ordinance to reflect these changes once the state and county complete their performance standards.

### 8.c. Sustainability Update

- Erika provided an overview of the MGE Community Conversations process and opportunities to provide input to MGE on their energy portfolio, programs and services that will guide MGE decision-making over the next 10-15 years.
- RCC members can forward any comments to Erika on Rick regarding municipal or community energy issues.

## 9. Next Meeting

- RCC will meet on Monday, September 21, 2015 from 6:30-9:00 p.m. in the Meeting Room.

## 10. Adjournment – 9:05 p.m.

# City of Fitchburg

## Committee or Commission Referral

---

Direct Referral Initiated by:  
 Direct Referral Approved by:

Date Referred: **September 8, 2015**  
 Date to Report Back: **Sept. 22, 2015**

Ordinance Number:  
 Resolution Number: **R-96-15**

Sponsored by: Mayor

Drafted by: Public Works

**TITLE: A RESOLUTION TO SET THE 2016 SOLID WASTE COLLECTION RATES**

**Background:** This resolution sets the 2016 Residential Unit Solid Waste (Refuse, Recycling, Yardwaste, and Brush) Collection Charge and the 2016 Apartment/Condominium Unit Brush Collection Charge. A spreadsheet analysis on the effect of the proposed rate is attached.

1. Attachment 1 includes the projected contractor costs for 2015 and 2016,
2. Attachment 2 includes the historic and projected status quo revenue and expenses for 2016, and
3. Attachment 3 includes an analysis that various unit charges would have on remaining fund balance projected at the end of 2016.

The level of service is proposed to be the same for 2016 as it has been for the last several years (weekly refuse collections, every other week recycling collections, 4 yardwaste collections and 14 brush collections).

The status quo collection fee of \$142/ household would result in a reduction of fund balance of \$38,198. In order to not deplete fund balance, Staff recommends increasing the collection fee to \$150/household which would slightly increase our fund balance by \$4,042. This would leave ~\$241k in projected fund balance reserve at the end of 2016 (approximately 27% Reserve of Annual Budget).

Order	Referred To	Staff Contact	Place on Agenda For	Action Taken On Referral
1	Resource Conservation Commission	Eilertson	September 21, 2015	
2	Board of Public Works	Horton	September 21, 2015	
3	Finance	Marsh	September 22, 2015	

Amendments:

**CONTRACTOR COSTS  
FOR CURBSIDE SOLID WASTE COLLECTION**  
(REFUSE, RECYCLING, BRUSH, & YARDWASTE)

**2015 Estimated Solid Waste Contract Costs**

Item	Unit cost	Units 1/1/15 - 6/30/15	Sub Total 1/1/15 - 6/30/15	Units 7/1/15 - 12/31/15	Sub Total 7/1/15 - 12/31/15
Refuse 52 total	\$6.70	5280	\$212,256.00	5300	\$213,060.00
Recycling 26 total	\$1.42	5280	\$44,985.60	5300	\$45,156.00
Yardwaste 4 total	\$2.55	5280	\$26,928.00	5300	\$27,030.00
Brush 14 total	\$1.49	5280	\$47,203.20	5300	\$63,176.00
Recycling Cart	\$15.00	5	\$75.00	5	\$75.00
Sub Total			\$331,447.80		\$348,497.00

12.29% Decrease in Collection Contract Costs (2014 to 2015)

<b>Total Pell. End Year Estimate</b>	\$679,944.80
<b>Brush, Yardwaste, Sharps, MedDrop, Battery</b>	\$39,000.00
<b>Total</b>	<b>\$718,944.80</b>

**2016 Estimated Solid Waste Contract Costs**

Item	Unit cost	Units 1/1/16 - 6/30/16	Sub Total 1/1/16 - 6/30/16	Units 7/1/16 - 12/31/16	Sub Total 7/1/16 - 12/31/16
Refuse 52 total	\$6.85	5300	\$217,830.00	5320	\$218,652.00
Recycling 26 total	\$1.52	5300	\$48,336.00	5320	\$48,518.40
Yardwaste 4 total	\$2.60	5300	\$27,560.00	5320	\$27,664.00
Brush 14 total	\$1.54	5300	\$48,972.00	5320	\$65,542.40
Recycling Cart	\$15.00	5	\$75.00	5	\$75.00
Sub Total			\$342,773.00		\$360,451.80

4.40% Increase in Collection Contract Costs (2015 to 2016)

<b>Total Pell. End Year Estimate</b>	\$703,224.80
<b>Brush, Yardwaste, Sharps, MedDrop, Battery</b>	\$47,335.00
<b>Total</b>	<b>\$750,559.80</b>

City of Fitchburg  
 Refuse & Recycle Collection Fund #213  
 2016 Operating Budget

Acct #	Account Name	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	5 Year Average	2015 Budget	06/2015 YTD Actual	2015 Estimate	2016 Budget	Budget Change
213-4354-213	RECYCLING GRANT - ST OF WISC	\$ 149,344	\$ 96,507	\$ 103,331	\$ 103,365	\$ 103,355	\$ 111,181	\$ 103,355	\$ 103,524	\$ 103,524	\$ 81,650	\$ (21,705)
213-4642-000	REFUSE & RECYCLE COLLECTION	\$ 705,331	\$ 708,969	\$ 762,064	\$ 764,147	\$ 820,893	\$ 752,281	\$ 771,442	\$ 770,201	\$ 770,201	\$ 774,522	\$ 3,080
213-4800-000	MISCELLANEOUS REVENUES	\$ 3,261	\$ 2,272	\$ 1,336	\$ 2,232	\$ 5,919	\$ 3,004	\$ 2,000	\$ 2,782	\$ 3,000	\$ 3,000	\$ 1,000
213-4800-001	C&D REUSE/RECYCLE DEPOSIT FEES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-4810-000	INTEREST ON TEMP INVESTMENTS	\$ -	\$ -	\$ -	\$ -	\$ 1,015	\$ 203	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 1,000
213-4830-100	YARDWASTE POLYBAG SALES	\$ -	\$ -	\$ 178	\$ 96	\$ 42	\$ 63	\$ -	\$ 7	\$ 40	\$ 100	\$ 100
213-4830-200	SALE OF RECYCLED MATERIALS	\$ 1,020	\$ 1,737	\$ 3,811	\$ 3,828	\$ 3,493	\$ 2,778	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ -
213-4850-000	EDUCATION FUND	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-4860-000	PCARD REBATE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000	\$ 6,000
213-4922-215	TRANSFER FROM CDBG FUND	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-4930-213	FUND BALANCE APPLIED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,334	\$ -	\$ (21,106)	\$ 38,198	\$ 33,864
<b>Total Revenues</b>		<b>\$ 858,956</b>	<b>\$ 809,485</b>	<b>\$ 870,721</b>	<b>\$ 873,668</b>	<b>\$ 934,717</b>	<b>\$ 869,509</b>	<b>\$ 884,131</b>	<b>\$ 876,515</b>	<b>\$ 859,659</b>	<b>\$ 907,470</b>	<b>\$ 23,339</b>

Acct #	Account Name	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	5 Year Average	2015 Budget	06/2015 YTD Actual	2015 Estimate	2016 Budget	Budget Change
213-5362-110	SALARIES & WAGES - RECYCLING	\$ 49,941	\$ 51,987	\$ 53,376	\$ 53,717	\$ 57,338	\$ 53,272	\$ 54,740	\$ 29,518	\$ 64,911	\$ 71,049	\$ 16,309
213-5362-115	OVERTIME WAGES	\$ 270	\$ 270	\$ 468	\$ 168	\$ 320	\$ 299	\$ 38	\$ 18	\$ 482	\$ 686	\$ 648
213-5362-120	PT/LTE/SEASONAL WAGES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,190	\$ -	\$ -	\$ -	\$ (5,190)
213-5362-130	DIRECT FRINGE BENEFITS	\$ 9,396	\$ 9,240	\$ 8,269	\$ 7,625	\$ 8,380	\$ 8,582	\$ 8,700	\$ 4,510	\$ 9,484	\$ -	\$ (8,700)
213-5362-131	FICA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,473	\$ 5,473
213-5362-132	WRS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,722	\$ 4,722
213-5362-135	LONGEVITY	\$ 79	\$ 99	\$ 180	\$ 216	\$ 270	\$ 169	\$ 241	\$ 242	\$ 242	\$ 311	\$ 70
213-5362-140	PER DIEMS - RCC	\$ 1,495	\$ 1,245	\$ 995	\$ 1,015	\$ 1,040	\$ 1,158	\$ 1,480	\$ 515	\$ -	\$ -	\$ (1,480)
213-5362-160	HEALTH INS	\$ 12,452	\$ 13,129	\$ 12,582	\$ 13,301	\$ 13,371	\$ 12,967	\$ 15,224	\$ 6,348	\$ 12,695	\$ 14,103	\$ (1,121)
213-5362-161	LIFE INS	\$ 34	\$ 35	\$ 36	\$ 64	\$ 75	\$ 49	\$ 62	\$ 54	\$ 91	\$ 110	\$ 48
213-5362-162	DISABILITY INS	\$ 296	\$ 302	\$ 50	\$ -	\$ -	\$ 130	\$ 311	\$ -	\$ -	\$ 406	\$ 95
213-5362-163	DENTAL INS	\$ 837	\$ 837	\$ 837	\$ 837	\$ 764	\$ 822	\$ 837	\$ 343	\$ 692	\$ 692	\$ (145)
213-5362-185	ALLOCATED BENEFIT-TAXABLE BOND	\$ 4	\$ -	\$ -	\$ -	\$ -	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -
213-5362-195	OTHER GROUP BENEFITS-EMPLOYEES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Personnel Costs</b>		<b>\$ 74,803</b>	<b>\$ 77,143</b>	<b>\$ 76,792</b>	<b>\$ 76,943</b>	<b>\$ 81,557</b>	<b>\$ 77,448</b>	<b>\$ 86,823</b>	<b>\$ 41,546</b>	<b>\$ 88,597</b>	<b>\$ 97,552</b>	<b>\$ 10,729</b>

213-5362-210	PROFESSIONAL SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-5362-240	REPAIRS & MAINT - BY OTHERS	\$ -	\$ 2,538	\$ -	\$ -	\$ -	\$ 508	\$ -	\$ -	\$ -	\$ -	\$ -
213-5362-245	COMPUTER RELATED REP & MAINT	\$ 972	\$ 156	\$ 527	\$ 2,000	\$ 1,135	\$ 958	\$ 1,000	\$ 662	\$ 1,000	\$ -	\$ (1,000)
213-5362-290	OTHER CONTRACTUAL SERVICES	\$ 671,716	\$ 705,855	\$ 775,436	\$ 815,043	\$ 822,100	\$ 758,030	\$ 724,945	\$ 359,431	\$ 718,993	\$ 750,560	\$ 25,615
213-5362-291	OTHER CONTRACTUAL - LEGAL ETC	\$ -	\$ -	\$ 1,000	\$ -	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Contractual Services</b>		<b>\$ 672,688</b>	<b>\$ 708,548</b>	<b>\$ 776,964</b>	<b>\$ 817,043</b>	<b>\$ 823,234</b>	<b>\$ 759,696</b>	<b>\$ 725,945</b>	<b>\$ 360,092</b>	<b>\$ 719,993</b>	<b>\$ 750,560</b>	<b>\$ 24,615</b>

213-5362-310	OFFICE SUPPLIES & POSTAGE	\$ 405	\$ 425	\$ 931	\$ 994	\$ 214	\$ 594	\$ 400	\$ 5	\$ 400	\$ 400	\$ -
213-5362-320	PUBLICATIONS, DUES & SUBSCRIPT	\$ 1,000	\$ 850	\$ 1,005	\$ 1,000	\$ 900	\$ 951	\$ 1,000	\$ 900	\$ 1,000	\$ 1,000	\$ -
213-5362-325	TRAINING & STAFF DEVELOPMENT	\$ 219	\$ 205	\$ 700	\$ 474	\$ 128	\$ 345	\$ 550	\$ 459	\$ 550	\$ 550	\$ -
213-5362-330	VEHICLE USE REIMBURSEMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ 100	\$ 100
213-5362-340	OPERATING MATERIALS & SUPPLIES	\$ 29	\$ 156	\$ 159	\$ 250	\$ 135	\$ 146	\$ 250	\$ 15	\$ 250	\$ 250	\$ -
213-5362-345	PUBLIC INFORMATION & EDUCATION	\$ 13,871	\$ 10,615	\$ 7,275	\$ 7,118	\$ 8,057	\$ 9,387	\$ 21,200	\$ 2,780	\$ 10,500	\$ 12,500	\$ (8,700)
213-5362-355	EQUIPMENT EXPENSE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-5362-363	COMMUNICATIONS EXPENSE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-5362-365	UTILITIES & TELEPHONE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-5362-380	YARDWASTE POLYBAGS	\$ -	\$ -	\$ 445	\$ 450	\$ 591	\$ 297	\$ 450	\$ 378	\$ 756	\$ 800	\$ 350
213-5362-381	RECYCLING DROP OFF SITE MAINT	\$ 1,702	\$ 1,803	\$ -	\$ 10,319	\$ 2,005	\$ 3,166	\$ 25,000	\$ 697	\$ 15,000	\$ 15,000	\$ (10,000)
213-5362-382	C&D DEPOSIT FEE REFUNDS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Operating Expenditures</b>		<b>\$ 17,227</b>	<b>\$ 14,054</b>	<b>\$ 10,515</b>	<b>\$ 20,606</b>	<b>\$ 12,030</b>	<b>\$ 14,886</b>	<b>\$ 48,850</b>	<b>\$ 5,235</b>	<b>\$ 28,556</b>	<b>\$ 30,600</b>	<b>\$ (18,250)</b>

213-5362-570	TECHNOLOGY ISF ALLOCATION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,245	\$ 6,245
<b>Total Allocated Costs</b>		<b>\$ -</b>	<b>\$ 6,245</b>	<b>\$ 6,245</b>								

City of Fitchburg  
 Refuse & Recycle Collection Fund #213  
 2016 Operating Budget

Acct #	Account Name	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	5 Year Average	2015 Budget	06/2015 YTD Actual	2015 Estimate	2016 Budget	Budget Change
213-5920-100	TRANSFER TO GENERAL FUND	\$ 18,000	\$ 18,000	\$ 18,000	\$ 18,000	\$ 19,643	\$ 18,329	\$ 20,000	\$ -	\$ 20,000	\$ 20,000	\$ -
213-5920-300	TRANS TO DEBT SERVICE-RENT	\$ 2,513	\$ 2,513	\$ 2,513	\$ 2,513	\$ 2,513	\$ 2,513	\$ 2,513	\$ -	\$ 2,513	\$ 2,513	\$ -
213-5921-100	TRANSFER TO GENERAL FUND	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
213-5922-213	FUND BALANCE ADDED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Transfers &amp; Other Financing Sources</b>	\$ 20,513	\$ 20,513	\$ 20,513	\$ 20,513	\$ 22,156	\$ 20,842	\$ 22,513	\$ -	\$ 22,513	\$ 22,513	\$ -
	<b>Total Expenditures</b>	\$ 785,231	\$ 820,259	\$ 884,784	\$ 935,104	\$ 938,977	\$ 872,871	\$ 884,131	\$ 406,873	\$ 859,659	\$ 907,470	\$ 23,339
	<b>Net Surplus/(Deficit)</b>	\$ 73,725	\$ (10,773)	\$ (14,063)	\$ (61,436)	\$ (4,260)	\$ (3,362)	\$ -	\$ 469,641	\$ -	\$ -	\$ -

### Analysis of Various Charges on Fund Balance Remaining at End of 2016

2008 Unit Charge \$145.00	2009 Unit Charge \$135.00	2010 Unit Charge \$133.00	2011 Unit Charge \$133.00	2012 Unit Charge \$142.00	2013 Unit Charge \$142.00	2014 Unit Charge \$152.00	2015 Unit Charge \$142.00	2016 Unit Charge \$150.00	2016 Apartment Unit Charge \$6.00
	-6.90%	-1.48%	0.00%	6.77%	0.00%	7.04%	-6.58%	5.63%	0.00%

\* Everything below is automatically entered based on the Current Charge (above) and the House Count for Revenue (below table).

New Charge	% Increase	2016 Fee Revenue	2016 Other Revenue	Subtotal	2016 Budget**	Applied Fund Balance	Remaining Fund Balance	% Reserve of Annual Budget
\$135.00	-4.93%	\$737,562.00	\$94,750.45	\$832,312.45	\$907,470.00	\$75,157.55	\$162,119.45	18.0%
\$136.00	-4.23%	\$742,842.00	\$94,750.45	\$837,592.45	\$907,470.00	\$69,877.55	\$167,399.45	18.6%
\$137.00	-3.52%	\$748,122.00	\$94,750.45	\$842,872.45	\$907,470.00	\$64,597.55	\$172,679.45	19.2%
\$138.00	-2.82%	\$753,402.00	\$94,750.45	\$848,152.45	\$907,470.00	\$59,317.55	\$177,959.45	19.8%
\$139.00	-2.11%	\$758,682.00	\$94,750.45	\$853,432.45	\$907,470.00	\$54,037.55	\$183,239.45	20.3%
\$140.00	-1.41%	\$763,962.00	\$94,750.45	\$858,712.45	\$907,470.00	\$48,757.55	\$188,519.45	20.9%
\$141.00	-0.70%	\$769,242.00	\$94,750.45	\$863,992.45	\$907,470.00	\$43,477.55	\$193,799.45	21.5%
\$142.00	0.00%	\$774,522.00	\$94,750.45	\$869,272.45	\$907,470.00	\$38,197.55	\$199,079.45	22.1%
\$143.00	0.70%	\$779,802.00	\$94,750.45	\$874,552.45	\$907,470.00	\$32,917.55	\$204,359.45	22.7%
\$144.00	1.41%	\$785,082.00	\$94,750.45	\$879,832.45	\$907,470.00	\$27,637.55	\$209,639.45	23.3%
\$145.00	2.11%	\$790,362.00	\$94,750.45	\$885,112.45	\$907,470.00	\$22,357.55	\$214,919.45	23.9%
\$146.00	2.82%	\$795,642.00	\$94,750.45	\$890,392.45	\$907,470.00	\$17,077.55	\$220,199.45	24.5%
\$147.00	3.52%	\$800,922.00	\$94,750.45	\$895,672.45	\$907,470.00	\$11,797.55	\$225,479.45	25.0%
\$148.00	4.23%	\$806,202.00	\$94,750.45	\$900,952.45	\$907,470.00	\$6,517.55	\$230,759.45	25.6%
\$149.00	4.93%	\$811,482.00	\$94,750.45	\$906,232.45	\$907,470.00	\$1,237.55	\$236,039.45	26.2%
<b>\$150.00</b>	<b>5.63%</b>	<b>\$816,762.00</b>	<b>\$94,750.45</b>	<b>\$911,512.45</b>	<b>\$907,470.00</b>	<b>-\$4,042.45</b>	<b>\$241,319.45</b>	<b>26.8%</b>
\$151.00	6.34%	\$822,042.00	\$94,750.45	\$916,792.45	\$907,470.00	-\$9,322.45	\$246,599.45	27.4%
\$152.00	7.04%	\$827,322.00	\$94,750.45	\$922,072.45	\$907,470.00	-\$14,602.45	\$251,879.45	28.0%
\$153.00	7.75%	\$832,602.00	\$94,750.45	\$927,352.45	\$907,470.00	-\$19,882.45	\$257,159.45	28.6%
\$154.00	8.45%	\$837,882.00	\$94,750.45	\$932,632.45	\$907,470.00	-\$25,162.45	\$262,439.45	29.1%
\$155.00	9.15%	\$843,162.00	\$94,750.45	\$937,912.45	\$907,470.00	-\$30,442.45	\$267,719.45	29.7%
\$156.00	9.86%	\$848,442.00	\$94,750.45	\$943,192.45	\$907,470.00	-\$35,722.45	\$272,999.45	30.3%
\$157.00	10.56%	\$853,722.00	\$94,750.45	\$948,472.45	\$907,470.00	-\$41,002.45	\$278,279.45	30.9%
\$158.00	11.27%	\$859,002.00	\$94,750.45	\$953,752.45	\$907,470.00	-\$46,282.45	\$283,559.45	31.5%
\$159.00	11.97%	\$864,282.00	\$94,750.45	\$959,032.45	\$907,470.00	-\$51,562.45	\$288,839.45	32.1%
\$160.00	12.68%	\$869,562.00	\$94,750.45	\$964,312.45	\$907,470.00	-\$56,842.45	\$294,119.45	32.7%
Fund Balance - End of 2009					\$275,190.00			
Fund Balance - End of 2010					\$348,916.00			
Fund Balance - End of 2011					\$338,143.00			
Fund Balance - End of 2012					\$324,079.00			
Fund Balance - End of 2013					\$262,643.00			
Fund Balance - End of 2014					\$258,383.00			
Fund Balance Applied to 2015					\$21,106.00			
Fund Balance - End of 2015					\$237,277.00			
						<= Approximately 28%		
							Reserve of Annual Budget	
<b>Staff Recommended Unit Charge for 2016</b>					<b>Fund Balance Applied to 2016</b>	<b>-\$4,042.45</b>		
					Fund Balance - End of 2016	\$241,319.45		
						<= Approximately 27%		
							Reserve of Annual Budget	
House Count for Revenue					5,280			
Apt Unit Count for Brush Revenue					4,127			

Steve Arnold, Mayor  
Introduced By

Public Works  
Drafted By

RCC, BPW & Finance  
Committees

September 8, 2015  
Date

## RESOLUTION R-96-15

### A RESOLUTION TO SET THE 2016 SOLID WASTE COLLECTION RATES

WHEREAS, the City of Fitchburg provides residential collection for solid waste (refuse, recycling, yardwaste, and brush) through a contract with Pellitteri Waste Systems, LLC; and

WHEREAS, the City of Fitchburg also provides holiday tree collection and brush collection for apartment and condominium units not on private streets which are not served by the city's contract; and

WHEREAS, the City will provide these services at a cost of approximately **\$907,470** for the year 2016; and

WHEREAS, approximately **5280** homes will be charged for weekly curbside refuse collection, recycling collection every other week, **4** yardwaste collections, and **14** brush collections for 2016; and

WHEREAS, approximately **4127** apartment and condominium units will be charged for brush and holiday tree collection services for 2016; and

NOW BE IT HEREBY RESOLVED, that the Fitchburg City Council does agree to impose a city wide special charge on all residential and apartment units as follows:

- 1) All units presently served by the City's solid waste collection contract shall be charged the amount of **\$150** per unit, to include collection of refuse, recycling, yardwaste, and brush in 2016.
- 2) All apartment and condominium units not on private streets which are not served by the City's contract shall be charged the amount of **\$6** per unit, to pay for the 2016 brush and holiday tree collection costs.

Adopted this \_\_\_\_\_ day of September, 2015

Approved By: \_\_\_\_\_  
Stephen L. Arnold, Mayor

Attested By: \_\_\_\_\_  
Patti Anderson, City Clerk



## Staff Memo

City of Fitchburg  
5520 Lacy Road  
Fitchburg, WI 53711  
608-270-4264  
[www.fitchburgwi.gov](http://www.fitchburgwi.gov)

<b>To:</b>	Board of Public Works, Resource Conservation Commission
<b>From:</b>	Rick Eilertson, Environmental Engineer
<b>Date:</b>	September 18, 2015
<b>Subject:</b>	Yard Waste Collection Pilot Ideas

**Discussion/Approval of Yard Waste Collection Pilot to encourage reusable bags/containers** – A Fitchburg resident had contacted staff and the Resource Conservation Commission’s Community Outreach Subcommittee with a proposal (Idea A) for the city to provide “Digger’s Hotline”-type flags with a yard waste note to Pellitteri crews. Idea A is that the crews would use the flags to spear the plastic bags into the lawn to keep the bags from blowing around and this would reduce the number of bags Pellitteri needs to pick up and landfill. Rick discussed this idea with Pellitteri and both parties concluded this would be problematic for the following reasons: 1) spearing flags through the bags would render the bags non-reusable, 2) there was a concern that residents might be so angry about the flag note and speared bags that they may take out their frustrations on Pellitteri and/or Fitchburg staff and possibly elected officials.

An alternate idea (Idea B) was considered of providing Pellitteri crews with Fitchburg’s brown reusable yardwaste polybags and a note on the polybag to reinforce sustainable yardwaste management practices. If there are plastic bags of yardwaste at the curb and no apparent container or method for leaving the bags behind without blowing away, Pellitteri’s crews would pack the bags into the brown reusable yardwaste polybag provided by Fitchburg staff and ensure that the note was readily apparent to the customer. We currently only have 65 polybags, so if we want to pursue Idea B, we’d likely need to purchase more bags.

The Fall 2015 yardwaste collections are the weeks of October 26 and November 16, so we have a little time to plan out details. Staff is interested in getting feedback from both the Board of Public Works and Resource Conservation Commission at their meetings on September 21<sup>st</sup>:

- Should this idea be considered?
- Possible note wording: *"Hello, this is a Free reusable yard waste polybag for you to use as an encouragement to minimize sending single-use plastic bags to the landfill. Please visit: <http://www.fitchburgwi.gov/220/Yard-Waste-Collection> for additional suggestions associated with handling yard waste. Thank You!"* Are there any suggested revisions for what the note should say?

- Should we do the entire City, or just a Pilot area, perhaps picking neighborhoods with the most trees, etc.?
- Should we do this for both the Oct. and Nov. yardwaste collections?

## Allowable Options For Curbside Placement of Yard Waste



1. No Yard Waste	2. Reusable Containers /Bags	3. Compostable	4. Thin Plastic Bags
------------------	------------------------------	----------------	----------------------

Most Sustainable



Least Sustainable

Watershed adaptive management (AM) is a new, innovative and collaborative compliance approach designed to meet regulatory requirements for phosphorus throughout a watershed in a cost-effective manner. The Yahara Watershed Improvement Network, Yahara WINS, is made up of thirty partners testing adaptive management in the Yahara River Basin through a pilot project. Currently, the pilot project is in its fourth and final year.

Since its inception in 2012, the Yahara WINS effort has made remarkable progress gathering community support and putting phosphorus reducing practices in place that will help improve water quality within the Yahara watershed. This report complements other Yahara WINS documents and takes time to recognize what is going on within the watershed. Additional information on Yahara WINS can be found at: <http://www.madsewer.org/Programs-Initiatives/Yahara-WINS>

Based on the success of the pilot project, Madison Metropolitan Sewerage District (MMSD) is now working to develop a full scale adaptive management (AM) project in the Yahara watershed in a collaborative effort with current partners in the pilot project. MMSD believes that adaptive management is a fiscally and environmentally responsible approach to meeting phosphorus reduction goals in the watershed. MMSD has been and will continue reaching out to pilot project participants in the coming months to share information and obtain input on this important effort!

## Yahara WINS Highlights for the first half of 2015

- The *Yahara WINS* Pilot Project entered its final year and began the necessary steps to transition into a **full scale** adaptive management (AM) program.
- **Five mini grants** have been awarded for phosphorus removal in the watershed. They are expected to reduce phosphorus loading by **483 pounds per year**.
- The Harvestable buffer initiative has been expanded and **five agreements** have been signed. They will buffer over 500 acres of cropland and reduce phosphorus runoff by approximately **1,000 pounds per year** to the Yahara.
- A Regional Conservation Partnership Program agreement was signed with USDA/NRCS. It awards **\$1.3 million** of federal funding for phosphorus reducing practices and ancillary efforts in the watershed.
- **New staff** have been hired at the County to aide in full scale AM planning and implementation.
- Dane County finalized a phosphorus reduction number for 2014. In total, **3,552 pounds of phosphorus** was reduced in the Yahara Watershed due to the Yahara WINS effort.
- MMSD has reached out to all pilot project participants and/or their consultants to aid in transition to a full scale adaptive management program in the Yahara.
- **200 USGS water quality samples** have been collected and analyzed in 2015.
- **Expanded water quality monitoring** efforts have been made through the Rock River Coalition-Citizen Stream Monitoring program. **47 unique sampling sites** have been added and **69 nutrient samples** have been collected and analyzed.

## Upcoming in 2015

- Yahara WINS, Clean Lakes Alliance and Dane County are partnering to fund a grant program to assist producers in purchasing low disturbance manure injection equipment to help improve water quality with respect to phosphorus.
- Dane County LWRD and partners are evaluating strategies to mitigate **legacy sediments** in the watershed.
- Yahara WINS authorized funds to develop an **intergovernmental agreement** that will be needed to support the full scale adaptive management project. The IGA is expected to be finalized later this year.



Example sediment core for phosphorus analysis.  
*Photo: Dane County LWRD*

## Adaptive Management Plan

Per Wis. Admin Code § NR 217.18, Yahara WINS must submit an adaptive management plan for DNR authorization. MMSD is taking the lead in this effort and will provide opportunity for input by all pilot project participants. The DNR does not require individual plans from each permitted facility, therefore; this plan will serve as the **one adaptive management plan** for the entire Yahara watershed.

Significant progress has already been made in the plan's development, due in large part to information generated as part of the *Yahara WINS* pilot program. Upon completion, the adaptive management plan will be consistent with the requirements in Wis. Admin Code § NR 217.18, and will be informed by both the "Adaptive Management Technical Handbook-A Guidance Document for Stakeholders" (DNR, 2013) and the USEPA "Handbook for Developing Watershed Plans to Restore and Protect our Waters" (EPA, 2008). The plan will address:

- Geographic scope and land use
- Phosphorus reduction goals by stream reach
- Phosphorus reduction practices anticipated to be used in the Yahara Watershed
- Practice cost and associated staff cost
- Water quality monitoring and associated cost
- Communication

MMSD has and will continue to meet with WDNR representatives throughout the plan development phase to ensure that the plan is developed consistent with DNR guidance.

## Intergovernmental Agreement for Yahara WINS

Yahara WINS is working with Attorney Paul Kent from Stafford Rosenbaum LLC to develop an Intergovernmental agreement (IGA) between agencies that will participate in the full scale adaptive management project. An IGA will be necessary due to the increased complexity of scale, funding, and the number of partners associated with program the size of the Yahara WINS full scale adaptive management. The IGA will replace the Memorandum of Understanding (MOU) currently in place for the pilot program.

Creation of the IGA is funded by Yahara WINS and the first draft has been shared with partners for review and comment. This document will lay out specific requirements of signatories and establish a framework for cooperation and collaboration between partners as the full scale adaptive management project moves forward. The goal is to finalize the IGA by the end of 2015.

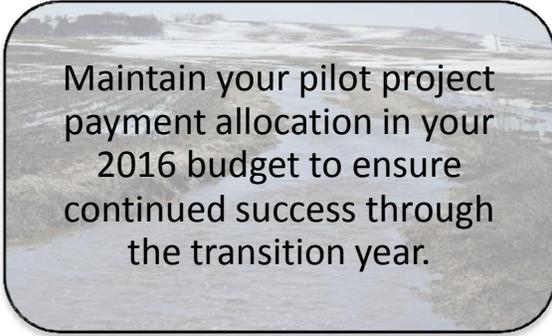
## Meeting with Pilot Partners

MMSD continues to meet with partners from the pilot project and their consultants as the pilot enters its last year and the transition into full scale adaptive management begins. These meetings allow MMSD and partners to review the necessary steps needed to move to full scale implementation. MMSD asks that all partners take the steps towards full scale adaptive management as noted below:

### What is needed from Yahara WINS Partners in 2015?



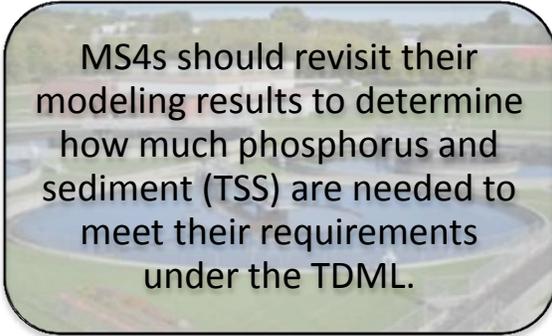
Inform your decision leaders, boards, consultants, etc. of the advancement of a full-scale management program.



Maintain your pilot project payment allocation in your 2016 budget to ensure continued success through the transition year.



Partners with TDML allocations should review all possible compliance options to determine adaptive management is best.



MS4s should revisit their modeling results to determine how much phosphorus and sediment (TSS) are needed to meet their requirements under the TDML.

## RCPP Approval and Agreement

Dane County's Regional Conservation Partnership Program (RCPP) application was submitted to and approved by the USDA/NRCS. A final agreement was signed May 2015. This five year program will provide crucial funding via cost share for agricultural conservation practices in the Yahara watershed to reduce phosphorus loading to the watershed. Through the RCPP, NRCS will provide an additional **\$1.3 million** towards the Yahara WINS adaptive management effort. This substantial financial aid will help foster the success of full scale adaptive management.

## Yahara WINS Grants 2015

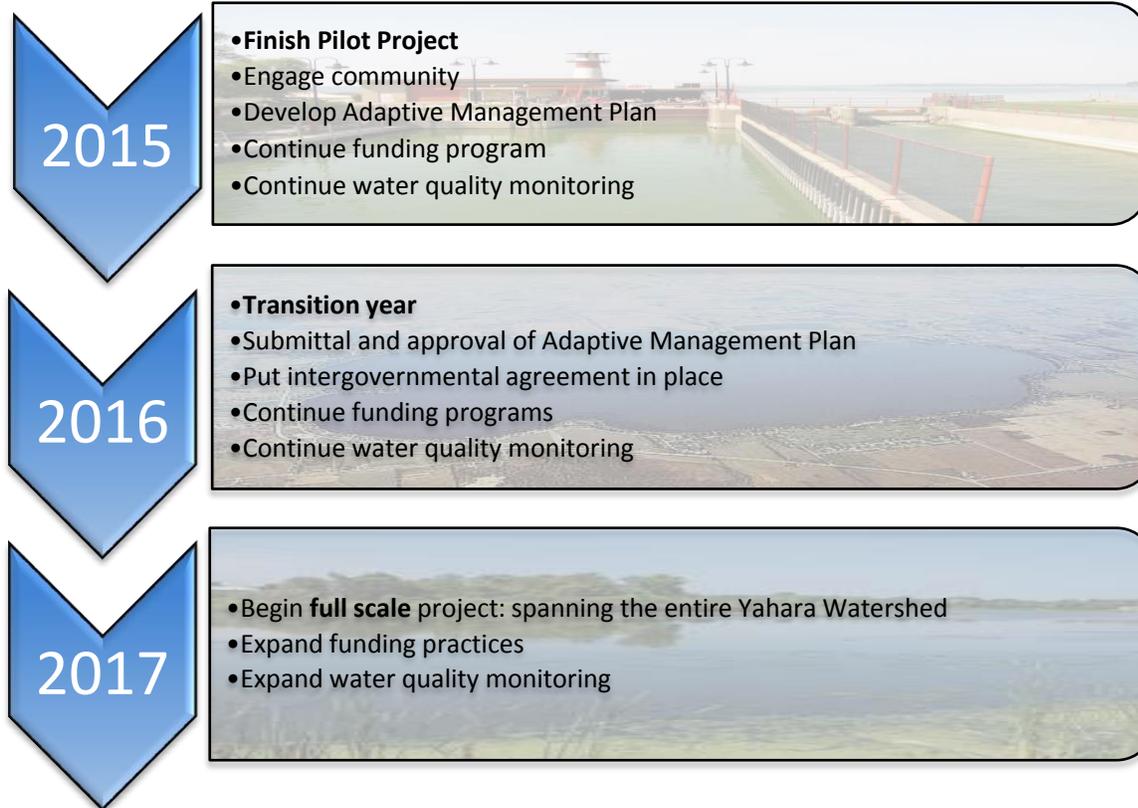
The *Yahara WINS* Grant program, an initiative that began in 2103, allows pilot project MOU signatories to apply for funding for low-cost individual phosphorus reduction programs in the Yahara watershed. In 2015, *Yahara WINS* budgeted for \$60,000 to be allocated to the grant program and fully funded the following five projects:

- **Clean Lakes Alliance, \$4,000 for the Rake the Lake Challenge Days**
- **Dane County Extension, \$15,000 for the Daily Heifer Grazing Initiative**
- **City of Fitchburg, \$15,000 for the Schumann Greenway and McKee Farms Northwest Pond Enlargement Project**
- **City of Fitchburg, \$10,500 for the Lacy Heights Bioretention Facility**
- **City of Madison, \$15,000 for the Acewood Pond Enhanced Sand Filter**



These projects are examples of low-cost phosphorus reducing practices which are helping to improve water quality throughout the watershed. In total, the grant recipients are estimated to reduce phosphorus by **483 pounds per year** in the Yahara Watershed.

## Adaptive Management Timeline



## Yahara Pride Farms

In 2014, Yahara Pride Farms received an \$80,000 grant from Yahara WINS to fund strip tillage, vertical manure injection and cover crop practices throughout the Yahara River watershed. Table 1 summarizes the results of this effort.

**Table 1. Yahara Pride funded conservation practices, acres covered and the corresponding estimated P reduction in 2014**

P reducing practice	Total Acres	Estimated 2014 P reduction (lbs)
Strip Tillage	52.5	47*
Vertical manure injection	273	164*
Cover crop	1329	3786*

\* Calculated from lbs P reduced/acre averages in Yahara Pride Farms 2014 Phosphorus Reduction Report

In 2015, Yahara WINS will again provide cost share funding to Yahara Pride for phosphorus runoff reducing practices. A total of \$80,000 will be provided and findings will be available in 2016.

## Dane County Land and Water Resources 2015

Dane County Land and Water Resources has **fully committed** to implementation of a full scale AM plan. In 2015 they hired two new soil conservation specialists dedicated to adaptive management. Additionally, the County has expanded efforts in the Door Creek Watershed, expanded the harvestable buffer initiative, and is moving forward with a grant program to help expand the use of low disturbance manure injection equipment in the Yahara Watershed.

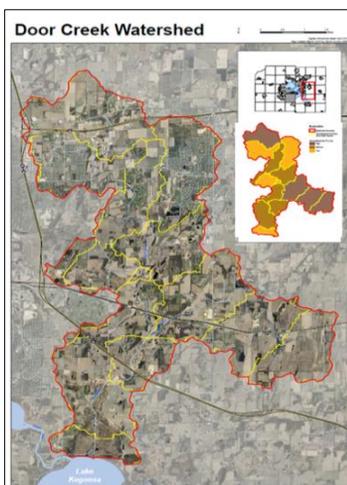


### Harvestable Buffer Initiative

The Harvestable Buffer Initiative has gained much popularity in 2015. Five agreements between Dane County and local farmers were made. In total, they will cover 44.3 acres, provide a buffer for over 500 acres of crop land and will reduce approximately **1,000 pounds of P/year**. This year producers were given the option of either 5 or 10 year program lengths, differing from previous programs that only spanned 5 years. Each cost share participant chose the longer ten year period, further showing the harvestable buffer initiative's popularity among producers. Extended agreements like these will do much to aid in the long term implementation and success of adaptive management in the Yahara.

### Low Disturbance Manure Injection

Dane County, Yahara WINS and Clean Lake Alliance partnered to create the Low Disturbance Manure Injection Program of 2015. In 2015 Dane County finalized the Low Disturbance Manure Injection cost share program and application. A total of \$220,000 is available for equipment purchase and the deadline for the first round of applications is set for **August 3<sup>rd</sup>** of this year. This program will be crucial to phosphorus runoff reduction to the watershed and help farmers retain key nutrients in their soil.



### Door Creek Watershed Plan

A rough draft of Door Creek watershed plan was completed in accordance to the EPA/WDNR 9-Key Elements of a Watershed Plan in June of this year. The County will submit a final plan to EPA in September, 2015. This plan will serve as a guide for the development and structure of Yahara WINS full scale adaptive management plan. The lessons learned in Door Creek combined with the pilot in Nine Springs will be crucial to full scale adaptive management implementation throughout the larger Yahara watershed.

## Expanded Water Quality Monitoring in 2015

### Rock River Coalition Volunteer Citizen Stream Monitoring

In 2015, *Yahara WINS* provided funding to the Rock River Coalition (RRC) to expand the citizen stream monitoring network in the Yahara River watershed to augment existing monitoring established by the WDNR, the District and USGS, and to lay the groundwork for a full-scale adaptive management project. A robust monitoring effort is crucial to full scale adaptive management. This expansion will fill gaps in Yahara monitoring that were discovered during the pilot project and further prepare Yahara WINS partners for a successful adaptive management program. The RRC follows a nested approach to monitoring and their volunteers are trained in three different levels of data collection. The 2015 expanded project adds:

- 1 new *Level 1* site monitored for dissolved oxygen, water temperature, water velocity and Biotic Index once a month for a total of 20 sites,
- 6 new *Level 2* sites monitored once a month for dissolved oxygen and water clarity with water temperature measured continuously with data loggers for a total of 28 sites and,
- 5 new *Level 3* sites where volunteers collect nutrient samples for analysis at MMSD lab for a total of 31 sites

This spring, RRC staff facilitated three training workshops. With new and continuing volunteers, RRC has established a total of **47 unique sites** for the adaptive management effort—one more than what was proposed in the RRC grant submitted to Yahara WINS.

Since the start of the monitoring season, *Level 3* volunteers have collected **69 nutrient samples** as part of the citizen stream monitoring effort.



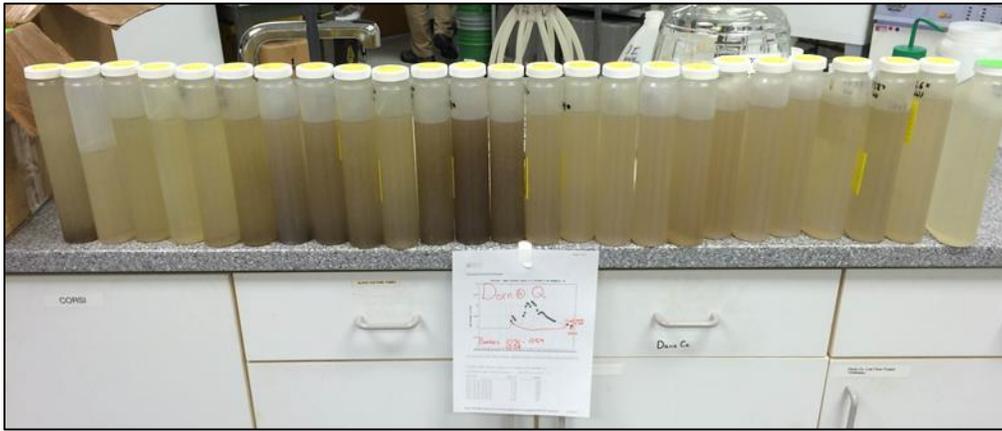
RCC volunteers from left to right: Lloyd Eagan checking water clarity in Pheasant Branch Creek, a group of 2015 trainees in Rock County, and Barb Bauer and Sherry Buechner monitoring and collection water samples at sites near Tolken Creek.

Photos: Nancy Sheehan, RRC

## USGS Monitoring Stations

Yahara WINS also monitors water quality at five USGS monitoring stations: Dorn Creek at Hwy Q and Hwy M, Six Mile at Hwy 19 and Hwy M, and the gaging station at Fulton. To date, 200 samples have been collected. USGS will use this data to determine annual loads for the water year (ending on September 30<sup>th</sup>).

A new 2015 sample site at USGS's gage at Spring Harbor will be used to monitor the total phosphorus (TP) level in municipal stormwater runoff. Data from the urbanized contributing area will lead to increased understanding of urban phosphorus loads.



USGS 2015 samples from station Dorn Creek at Highway Q. Photo: Todd Stuntebeck, USGS

## New Faces in Adaptive Management

The Yahara WINS effort welcomed four new employees dedicated to the full scale adaptive management transition:

- **Amy Callis:** County Conservationist for Dane County Land and Water Resources Department
- **Eric Krueger:** Soil Conservation Specialist for Dane County Land and Water Resources Department
- **Shawn Esser:** Soil Conservation Specialist for Dane County Land and Water Resources Department
- **Kaitly Taylor:** Yahara WINS Intern

## Upcoming 2015 Meeting Dates

The *Yahara WINS* Strategic Planning Workgroup and Executive Committee meet quarterly and each meeting covers a variety of topics relating to the *Yahara WINS* Adaptive Management Pilot Project as well as the transition to full-scale adaptive management. The dates and times of the Strategic Planning Workgroup Meetings, which are followed by the Executive Committee Meetings, are listed below. The *Yahara WINS* meetings will be held the Lussier Family Heritage Center. All *Yahara WINS* meetings are open to everyone.

- **Thursday, September 10, 2015 at 1 pm**
- **Thursday, December 10, 2015 at 1 pm**



Aerial view of the Yahara Chain of lakes: Mendota, Monona, Waubesa, Kegonsa, and Wingra

Photo: [http://limnology.wisc.edu/lake\\_information/mendota\\_&\\_other\\_Y.html](http://limnology.wisc.edu/lake_information/mendota_&_other_Y.html)

## Questions?

Additional information can be found at Yahara WINS website: <http://www.madsewer.org/Programs-Initiatives/Yahara-WINS> or contact Kathy Lake at (608)222-1202 ext. 278 or [kathyl@madsewer.org](mailto:kathyl@madsewer.org)