Yahara WINS Group Meeting Summary
October 10, 2016 Meeting

Dave Taylor called the meeting to order at 1:30 PM. Copies of the attendance sign in sheet, the agenda and the PowerPoint presentation for the meeting are attached.

A motion was made by Tom Wilson and seconded by Kevin Connors to approve the August 30, 2016 meeting summary; the motion passed.

Taylor proposed adjusting the agenda by moving Item 7 (Dane County-Proposed Approach to Address Legacy Phosphorus) earlier in the meeting to allow for an introduction to the presentation by County Executive Parisi, who was in attendance. The Group agreed to adjust the agenda. County Executive Parisi described a proposed $12 million budget allocation to legacy sediment removal project by Dane County Land and Water Resources Department. County staff then provided details of the legacy sediment removal project and answered questions regarding the presentation from meeting attendees. Taylor noted that a few years ago, Yahara WINS funded a UW-Madison Water Resources Practicum that looked evaluated the occurrence of legacy sediment in the upper part of the Yahara Watershed. Taylor also noted that legacy sediment removal had to be a part of phosphorus reduction goals. Taylor recommended sending a letter of support to the County Board in favor of this project; a show of hands from the group demonstrated unanimous support.

Taylor gave a presentation regarding development of a proposed 2017 Yahara WINS budget, noting that the Intergovernmental Agreement required that the Executive Committee present a draft 2017 budget to the Group by September 30, and that the Group needed to approve a final budget by October 31st. Taylor then walked the Group through the proposed 2017 budget. Gary Huth recommended grouping items in the budget by category (e.g. phosphorus reduction items, administrative items) – Taylor noted that this would be done when sending out the final budget. A number of clarifying questions were asked by Group members. Dan Stephany then made a motion to approve the 2017 budget as proposes, which was seconded by Greg Fries. Following additional discussion, the motion was called and the 2017 budget was approved as proposed.

Taylor then gave a presentation regarding development of a proposed five years Yahara WINS budget, noting that the Intergovernmental Agreement required that the Executive Committee present a draft 2017 budget to the Group by September 30, and that the Group needed to approve a final budget by October 31st. A motion was made by Greg Fries and seconded by Dan Stephany to approve the five year budget as proposed. Following discussion, the motion was called and the give year budget was approved as proposed.

Taylor gave an overview of the creation of a Yahara WINS Designated Operating Reserve Fund. Taylor indicated that creation of a reserve fund was needed because charges to IGA members are generally flat over length of the IGA. This results in a situation where revenue is higher than expenses early in the project and less than expenses during later years. Creating an operating reserve fund will allow for adequate funding of expenditures during later years of the project. The creation of this fund requires approval by the Executive Committee, but Tom Wilson requested that the Group provide a recommendation to the Executive Committee regarding
creation of the fund. In response to a question from the Group, Taylor indicated that these funds, as well as other operating funds will need to be placed in an insured account. Taylor stated that the District staff was pursuing this as well as options regarding interest bearing accounts. A motion was made by Sara Ludtke to recommend that the Executive Committee create a designated operating reserve fund as proposed. The motion was seconded by Rodney Scheel and was passed unanimously.

Taylor described a draft service agreement between WINS and Dane County. Taylor discussed some key provisions, including establishment of phosphorus reduction goals, performance based payments, and termination language. Following discussion, Taylor stated that the Group would be given another opportunity to review and provide comments on a revised draft prior to the draft being considered for approval by the Executive Committee (note: a revised draft was sent to the Group on 11/2/2016 which included a summary of additional revisions that were made to the draft).

Nancy Sheehan gave a brief presentation on a proposal to by the Rock River Coalition to continue conducting a volunteer stream monitoring program in the Yahara River Watershed in 2017. A formal funding request for $22,091 had been submitted to WINS for this effort. Taylor stated that this effort provides good data that supplements USGS gage data. Taylor also noted that MMSD, which conducts the laboratory analysis for these samples, will be working on automating data transfer from the MMSD lab to the DNR database following implementation of a new laboratory information management system (LIMS) at MMSD.

Kathy Lake provided the Group with an update on efforts to establish a 2017 Yahara WINS Phosphorus Grant Program. A workgroup has been formed to assist with this effort. The workgroup discussed having two categories of projects that would be eligible for grant funding:

- Innovative projects that have demonstration value, but where it may be more difficult to quantify phosphorus reductions
- Proven/tested practices where it is easier to quantify phosphorus reductions.

Lake indicated that next steps involve compiling additional information and developing details associated with the grant program, which would then be brought back to the group.

There was no other business.

A motion was made by Gary Huth and seconded by Greg Fries to adjourn the meeting. The motion was approved unanimously and the meeting was adjourned at 3:02 PM.
NOTICE OF MEETING

PLEASE TAKE NOTICE that there will be meeting of the Yahara Watershed Improvement Network Group (Yahara WINS Group) at 1:30 p.m., on Monday, October 10, 2016. The meeting will be held in the Madison Metropolitan Sewerage District Maintenance Facility, located at 1610 Moorland Road, Madison, WI 53713. The Yahara WINS Executive Committee will also meet in the same location immediately following the Yahara WINS Group meeting. The Agenda for the Yahara WINS Group meeting is shown below and action may be taken on any agenda item listed.

Date: October 6, 2016

David Taylor
Executive Committee President

Any person who has a qualifying disability as defined by the Americans with Disabilities Act that requires the meeting or materials at the meeting to be in an accessible location or format must contact the Executive Committee President at 608-222-1201, 1610 Moorland Road, Madison, Wisconsin, at least twenty-four hours prior to the commencement of the meeting so that any necessary arrangements can be made to accommodate each request.

Yahara WINS Group Meeting Agenda

1. Opening
   a. Call to Order
   b. Welcome guests and visitors

2. Review and acceptance of August 30, 2016 Meeting Summary

3. 2017 annual budget discussion and potential budget approval

4. Five year budget discussion and potential five year budget approval

5. Creation of a Yahara WINS designated operating reserve fund

6. WINS Draft Service Agreement with Dane County

7. Dane County-Proposed Approach to Address Legacy Phosphorus

8. Rock River Coalition-Citizen Volunteer Water Quality Monitoring

9. Yahara WINS Phosphorus Grant Program-Workgroup Update

10. Other business

11. Adjourn
How do we describe Yahara WINS?

- Collaborative effort to improve water quality throughout the Yahara watershed
  - We are all in this together and all have a role to play
- Focus is on reducing phosphorus and sediment loads
- At the lowest cost to the watershed as a whole
- Will involve a mix of rural and urban water quality improvement projects
- Success will take time

Meeting Agenda

1. Opening
2. Call to Order
3. Welcoming guests and visitors
4. Review and approval of August 18, 2016 Meeting Summary
5. Presentation of 2016 WINS budget
6. Yahara WINS budget discussion and potential budget controls
7. Proposed amendments to the fiscal year budget (adjourned)
8. Discussion of Yahara WINS workplan and outstanding reports (adjourned)
9. Final vote of the meeting
10. Yahara WINS proposed agreement with Dane County
11. Wisconsin Cooperative Extension Volunteer Quarter 1 grant
12. Yahara WINS phosphorus grant program workflow update
13. Other business
14. Adjourn
Proposed Agenda Repair

1. Move agenda item 7 to immediately follow agenda item 2

Conservation and Legacy Sediment in Dorn Creek
Dane County Land and Water Resources Department

Barnyards
Over 60% of livestock facilities have adopted conservation practices to reduce phosphorus
Conservation Practices

6,000 acres: Cropland
5,400 acres: Conservation Plan

Conservation practices implemented on over 90% of fields

Nutrient Management Plans

State Standard: 6.0
Average: 3.0

- Over 75% of cropland acres have nutrient management plans
- Average phosphorus (P) index from agriculture fields is half the state recommended standard

Soil Loss

Tolerable: 4.0

Average soil loss from cropland fields is reduced to more than half of the tolerable soil loss standard.
Dorn Creek Water Quality Data

Target Concentration = 0.075 mg/l
~ 3X greater than Target

Conservation Practices

Legacy Phosphorus

- Reduce phosphorus load by 50%
  - Examples
    - Agriculture Practices
    - Application of Fertilizer/Manure
    - Urban Stormwater Practices
    - Drainage Ditch Sediment Removal
  - Cost: $76.8 Million

- Does reducing phosphorus load improve water quality?
  - Legacy Phosphorus?

- How long until we see water quality improvement?
  - Legacy Phosphorus?
Results

- Sediment P

Hwy M to Q (2.3 Miles)
TP ~ 75,000 lb
Legacy Phosphorus...

- P Diffusion

0.075 mg/l
= TMDL Standard

- How long can we see water quality improvement?
Sediment P / P Diffusion = 50 Years!

Yahara Clean: 50% Reduction P

- How old are these legacy P sediments?

1' = 25 years old
2' = 75 years old

2017 Budget: Legacy Sediment Removal (33 Miles)

Sediment Volume: 150,000 cy
Removal: $60/cy
Cost: $9 Million

Additional Costs:
Water and Sediment Monitoring
Engineering Plans
Permitting
Streambank and habitat restoration
Stream/floodplain reconnection

Cost = $12 Million

Yahara Clean $76.8 Million
P Load = 870,000 lb
100,000 lb
Questions

Annual Budget

- Draft budget presented to the Group by Sept 30th for review
- Final budget approval by Oct 31st
- Consistent with five year budget
- Invoices to Members sent on or before Dec 15th

Future Revenue vs. Anticipated Expenditures
2017 Proposed Annual Budget

2017 Proposed Budget (numbers rounded to nearest $100)

Unappropriated carryover from 2016 $87,000

Revenue
IGA participants $1,487,000
Contributions from non-IGA partners $17,500
Savings account interest $1,000
Total Revenue $1,485,500

2017 Proposed Annual Budget

2017 Proposed Budget (numbers rounded to nearest $100)

Expenditures
Organizational support from state $36,000
School District capital loan and reserved revenue agreement $730,000
School District capital loan and reserved revenue agreement $420,000
Nassau County capital loans/deficiency service agreement $40,000
Valhalla Pre-K (Purchase of additional rental obligations agreement) $17,000
Freeport School district - funding agreement $17,000
Inter-county water monitoring and analysis program $35,000
General Inducement to operate $130,000
Rent reduction rental assistance program $400,000
Wells Grant $60,000
Water line audit $12,000
West Hempstead water quality monitoring $22,000
Community education $32,000
Dues $3,000
Total Operations $1,491,000

Contribution to designated operating reserve fund $40,000

2017 Budget Comments

- Why is there a difference between IGA Exhibit B "revenue" and revenue used in the budget?
- $5 allocated for legal might be low
- $5 allocated to P reduction practices looks lean
Revenue Sources

- Charges to IGA members (Exhibit B and subsequent adjustments)

<table>
<thead>
<tr>
<th>Source of F</th>
<th>Revenue</th>
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<tbody>
<tr>
<td>IGA Exhibit B</td>
<td>43,870</td>
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<tr>
<td>IGA Adjusted</td>
<td>30,501</td>
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- Contributions from other sources

2017 Budget Options

- Approve as presented
- Amend and approve
- Provide direction for revisions, revise and bring back for approval

Recommendation: approve as presented

Five Year Budget

Five Year Budget (numbers rounded to nearest $100)

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
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<tbody>
<tr>
<td>Unreserved carryover</td>
<td>$1,051,148</td>
<td>$1,149,509</td>
<td>$1,049,509</td>
<td>$1,149,509</td>
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<tr>
<td>Revenue</td>
<td>$1,419,500</td>
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<td>$1,419,500</td>
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<tr>
<td>Contributions (net of participants)</td>
<td>$127,000</td>
<td>$127,000</td>
<td>$127,000</td>
<td>$127,000</td>
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<tr>
<td>Budget (school year)</td>
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<tr>
<td>Total Revenue</td>
<td>$1,596,500</td>
<td>$1,596,500</td>
<td>$1,596,500</td>
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Five Year Budget

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td>Total Revenue</td>
<td>$1,000,000</td>
<td>$900,000</td>
<td>$800,000</td>
<td>$700,000</td>
<td>$600,000</td>
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<tr>
<td>Expenditures</td>
<td>$900,000</td>
<td>$800,000</td>
<td>$700,000</td>
<td>$600,000</td>
<td>$500,000</td>
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<tr>
<td>Surplus/Deficit</td>
<td>$100,000</td>
<td>$100,000</td>
<td>$100,000</td>
<td>$100,000</td>
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Five Year Budget Comments

- Why does revenue decrease beginning in 2018?

Five Year Budget Options

- Approve as presented
- Amend and approve
- Provide direction for revisions, revise and bring back for approval

Recommendation: Approve as presented
**Designated Operating Fund Reserve**

Simplified Example - For Illustrative Purposes Only

- Ensure sufficient working capital for future expenditures
- Defines reserve funding for first 5 years
- Uses
  - Fund P reducing practices with shelf life > 5 years
  - Meeting other long term needs
- Use requires approval by majority of Ex Com.

**Draft Service Agreement With Dane County**

- Implementation assistance
- Clear annual goals - P reduction
- Provides DC with flexibility
- Payment
  - Fixed cost
  - Performance based
- Termination language
- Comments and status
Rock River Coalition Volunteer Monitoring

placeholder

Yahara WINs Grants 2017 and Beyond

- Committee formed and first meeting held
- Key Findings:
  - Innovation Grants
  - Demonstration value
  - Remove 5 barrier to testing phosphorus reduction practices
- Installation Grants
  - Partnerships
  - Phosphorus credits
- Next Steps: MMSD compiling information, developing concept for updated program and will reengage committee at least twice more by the end of 2016.

Adjourn
## Yahara WINS Group Meeting

**Date:** October 10, 2016

<table>
<thead>
<tr>
<th>Name (Please Print)</th>
<th>Title/Business</th>
<th>Reason for Attending</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom Wilson</td>
<td>Army/Westpoint</td>
<td>Rep.</td>
</tr>
<tr>
<td>Fale Kent</td>
<td>Staff/Research</td>
<td>Yahara WINS Council</td>
</tr>
<tr>
<td>Rodney Schell</td>
<td>City of Stoughton</td>
<td>Rep.</td>
</tr>
<tr>
<td>JJ Lapan</td>
<td>Village of Cottage Grove</td>
<td>Rep</td>
</tr>
<tr>
<td>Kevin Connors</td>
<td>DIM/DeForest</td>
<td>Rep.</td>
</tr>
<tr>
<td>Joellen Stinson</td>
<td>Village of DeForest</td>
<td>Rep</td>
</tr>
<tr>
<td>Rick Eilermann</td>
<td>City of Fitchburg</td>
<td>Rep.</td>
</tr>
<tr>
<td>Gary Huth</td>
<td>City of Middleton</td>
<td>Rep.</td>
</tr>
<tr>
<td>Sara Ludtke</td>
<td>Town of Middleton</td>
<td>Rep.</td>
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<tr>
<td>Mike Gender</td>
<td>Clean Lakes Alliance</td>
<td>Rep.</td>
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# YaharaWINS

**Strategic Planning Workgroup**

**Date:** October 10, 2016

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<thead>
<tr>
<th>Name (Please Print)</th>
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<tbody>
<tr>
<td>Dan Stephany</td>
<td>Maroma Olw</td>
<td>Rep.</td>
</tr>
<tr>
<td>Allan Coville</td>
<td>McFarland Ph</td>
<td>Rep.</td>
</tr>
<tr>
<td>Tom Veith</td>
<td>Sun Prairie Eng</td>
<td>Rep.</td>
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<tr>
<td>Daryl Jeckson</td>
<td>Sun Prairie Eng</td>
<td>Guest</td>
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<tr>
<td>Joseph East</td>
<td>Sand County FDN</td>
<td>Repo</td>
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<tr>
<td>James Tye</td>
<td>Clean Lakes Alliance</td>
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<tr>
<td>Paul Dearlove</td>
<td>Clean Lakes Alliance</td>
<td>Rep./partner</td>
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<tr>
<td>Dea Larson Converse</td>
<td>Clean Lakes Alliance</td>
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<tr>
<td>Nancy Sheehan</td>
<td>Rock River Coalition</td>
<td>Rep./Presenter</td>
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<tr>
<td>Mark Riedel</td>
<td>WDNR</td>
<td>Part</td>
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<tr>
<td>Kathy Lake</td>
<td>MMSD</td>
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<tr>
<td>Stephanie Galvin</td>
<td>MMSD</td>
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<tr>
<td>Dave Cavnitz</td>
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## YaharaWINS
### Strategic Planning Workgroup

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<tr>
<td>Joe Parisa</td>
<td>Co-Executive</td>
<td>Guest</td>
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<tr>
<td>Julie Klemski</td>
<td>MARPC</td>
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<tr>
<td>Amy Callis</td>
<td>Dane County</td>
<td>Guest</td>
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<tr>
<td>Sara Jones</td>
<td>Dane County</td>
<td>Guest</td>
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<tr>
<td>Emily Jones</td>
<td>MMSD</td>
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<tr>
<td>Kevin Richardson</td>
<td>Windsor</td>
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<tr>
<td>Dave Tyler</td>
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