



Dane County

Minutes - Final Unless Amended by Committee

Public Works Sustainability Subcommittee

Tuesday, March 7, 2017

12:00 PM

City-County Building room 357

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A. Call To Order

The meeting was called to order at 12:00 p.m. Also present: John Welch, Amanda DePagter, Sarah Close, Todd Draper, Ira Simpson, Jeff Teuscher, Jan Tetzlaff, Lisa MacKinnon.

Present 7 - KEVIN CONNORS, CHUCK ERICKSON, JERRY MANDLI, ROBIN SCHMIDT, DAVE MERRITT, CARLOS PABELLON, and DAVE RIPP

Excused 1 - JOHN HENDRICK

B. Consideration of Minutes

1. [2016 MIN-562](#) MINUTES OF THE 10-20-16 MEETING OF THE PUBLIC WORKS SUSTAINABILITY SUBCOMMITTEE

Sponsors: Executive Committee

Attachments: [MINUTES OF THE 10-20-16 MEETING OF THE PUBLIC WORKS SUSTAINABILITY SUBCOMMITTEE](#)

A motion was made by RIPP, seconded by ERICKSON, that the minutes be approved. The motion carried by a voice vote.

C. Action Items

1. [2016
ACT-579](#) ROUND 1 2017 FACILITIES MANAGEMENT: WATER BOTTLE
FILLING STATIONS

Sponsors: Executive Committee

Attachments: [2017 Round 1 Facilities-Water stations_Smart Fund Application for
Submittal-Revised](#)

Schmidt amended the motion for approval to include a requirement that Facilities Management report back on the outcomes of this project in one year (e.g., gallons of water, water bottles avoided, filters used, any other relevant measures or outcomes). The subcommittee had several questions regarding:

- *the ongoing costs of filters (which are slated to be replaced every 3000 gallons)*
- *whether there is available evidence of an increase in use of tap water and reusable bottles due to switching to bottle filling stations (Amanda DePagter indicated she would look into this--Suggested conversation with DC Airport and UW Madison, which both have systems in place)*
- *whether these will go into the Medical Examiner/East highway garage facilities: these facilities are not in the proposal but they built in a 10% contingency, so Amanda DePagter said Facilities could look into it.*
- *Can you not use filters in the filter-ready units? DePagter did not know the answer to this but would research.*
- *Are they replacing all the drinking fountains? no, just adding a filler unit to them (except for in DCSO, where standalone, vandal-proof units are required). By just adding a top mount to existing units they will save money and prevent materials from going to the landfill.*

A motion was made by RIPP, seconded by CONNORS, that the Action Item be approved as amended. The motion carried by a voice vote.

2. [2016
ACT-580](#) ROUND 1 2017 FACILITIES MANAGEMENT: INCREASED WATER
SOFTENER EFFICIENCY

Sponsors: Executive Committee

Attachments: [Draper_Salt Project 2 specs](#)
[Revised_Draper 2017 SMART softener project](#)

Draper and various subcommittee members noted that this project sets a good example for all users of water softeners in the county. The current water softeners being used at these facilities are oversized and inefficient. In addition to reducing chloride use, the new units should also reduce energy consumption.

- *Mandli indicated that references to road salt do not belong in an application focused on water softener salt and chloride load related more specifically to impact on the water utility. Subcommittee agreed that the application language should be amended so that the narrative reflects the proposal only. (Draper amended).*

A motion was made by ERICKSON, seconded by RIPP, that the Action Item be approved. The motion carried by a voice vote.

3. [2016
ACT-581](#) ROUND 1 2017_AEC: COOLING TOWER WATER TREATMENT

Sponsors: Executive Committee

Attachments: [AEC Alliant 3D Proposal](#)
[Round 1 2017_AEC_Cooling tower water treatment](#)

Schmidt had a question as to why the water in the cooling tower would need "treatment." Franz explained that our water is hard and that without treatment mineral scaling will occur on the elements of the cooling tower and reduce its efficiency and lifespan.

A motion was made by RIPP, seconded by CONNORS, that the Action Item be approved. The motion carried by a voice vote.

4. [2016
ACT-582](#) ROUND 1 2017_DCSO: DISHWASHER REPLACEMENT

Sponsors: Executive Committee

Attachments: [Round 1 2017_DCSO_Dishwasher replacement](#)
[DCSO dishwasher_CL44EN](#)

Discussion was brief but focused on the fact that a very similar project had been approved for SMART Funding at Consolidated Food Service to improve energy efficiency, reduce water consumption, reduce chemicals, and reduce maintenance.

A motion was made by ERICKSON, seconded by PABELLON, that the Action Item be approved. The motion carried by a voice vote.

5. [2016
ACT-583](#) ROUND 1 2017_DCSO: TRUCK AND TRAILER REPLACEMENT

Sponsors: Executive Committee

Attachments: [Round 1 2017_DCSO_truck and trailer replacement](#)

The subcommittee indicated that it was in favor of supporting Dane County Sheriff's Office in its continuing efforts to convert its fleet to alternative, lower fossil-fuel vehicles such as CNG. It also indicated that vehicle purchases were reviewed on a case-by-case basis and that award of full purchase price for a vehicle is viewed as an exception and that the DCSO should not expect full coverage of vehicle costs as the rule. In many cases the subcommittee will choose to fund only the incremental cost increase of applying a more costly technology to get the increased sustainability benefit (e.g., cover the difference between a standard gas vehicle and the same vehicle that uses CNG). However, the committee is funding the full vehicle in this case because of its use (extensive idling time due to the nature of its function) and because of its visibility.

A motion was made by RIPP, seconded by CONNORS, that the Action Item be approved. The motion carried by a voice vote.

6. [2016
ACT-584](#) ROUND 1 2017_PARKS: LED LIGHTING AT LUSSIER CENTER

Sponsors: Executive Committee

Attachments: [Round 1 2017 Parks LED Lighting at Lussier](#)

Sarah Close presented for Parks. She indicated that the payback/ROI period is longer than might normally be expected with LED upgrades because: (1) They are adding more lights after having areas identified that were lacking appropriate lighting; and (2) a retrofit did not work for the existing units so they have to replace units as well as bulbs.

Subcommittee indicated that they would like Parks to get a few more bids with some of our vendors to see if they can get the price down further. Close indicated that was possible.

A motion was made by ERICKSON, seconded by MERRITT, that the Action Item be approved. The motion carried by a voice vote.

7. [2016
ACT-585](#) ROUND 1 2017_PARKS: POROUS PAVING LAKE FARM PARK

Sponsors: Executive Committee

Attachments: [Round 1 2017 Parks Porous Paving Lake Farm park](#)

Subcommittee asked whether park users would know they were parking on permeable paving. Close indicated that the project includes an informational kiosk at the lot that will include signage about the permeable paving. Mandli asked about maintenance concerns and Connors indicated it should be minimal given that the lot will not be plowed or salted in winter and that they would do only occasional vaccuming of the lot to keep permable paving material clear.

A motion was made by RIPP, seconded by ERICKSON, that the Action Item be approved. The motion carried by a voice vote.

8. [2016
ACT-594](#) ROUND 1 2017_SUPPLEMENTAL PROPOSAL_LWR: SILVERWOOD PARK SOLAR PANELS

Sponsors: Executive Committee

Connors noted that this project has special value becuase the park and the barn facility are dedicated to education and outreach and they will be able to provide visible educational materials on the solar installation, among other facility features. The solar should be able to provide approx 35% of the facility's electrical needs. Question re: why not more capacity? Because the calculation is based on maximized use given daylight hours, sunny days, etc., and is sized so as not to overproduce energy and have to sell back to the utility for a very low buyback price.

A motion was made by ERICKSON, seconded by RIPP, that the Action Item be approved. The motion carried by a voice vote.

9. DISCUSSION AND POSSIBLE ACTION ON REPORTING PROGRESS THE COUNTY HAS MADE ON ITS SUSTAINABILITY EFFORTS

Deferred to future meeting in interest of time.

D. Presentations

NONE

E. Reports to Committee

[2016 RPT-716](#) OUTCOMES UPDATE--SMART FUND 2012 THROUGH 2016

Sponsors: Executive Committee

Attachments: [Outcomes Update Abridged List of SMART Fund Projects Funded updated through 2016 Round 3](#)

Sustainability and Program Evaluation Coordinator MacKinnon gave an update on the following:

- 1) Remaining unencumbered and unawarded funds currently in SMART Fund line: \$1,489,153 (before these Round 1 awards of \$326,030.*
- 2) 54 SMART Fund projects funded from 2012 through 2016*
- 3) Total of \$3,149,597 awarded from 2012 through 2016*
- 4) Conservative estimate of annual operational cost savings based on project estimates from 2012 through 2016: \$637,900 annually*
- 5) Conservative estimate of greenhouse gas / CO2e emissions avoided based on project estimates from 2012 through 2016: 2,850 metric tons CO2 equivalent.*

F. Future Meeting Items and Dates

Solicitations for Round 2 proposals will go out in early June, with an early July deadline. Next meeting will be in mid- to late-July. Welch suggested when the next solicitation goes out that we mention to departments that they should be thinking about winter projects that can be implemented in advance of the heating season.

G. Public Comment on Items not on the Agenda

NONE

H. Such Other Business as Allowed by Law

NONE

I. Adjourn

A motion was made by ERICKSON, seconded by PABELLON, that the meeting be adjourned. The motion carried by a voice vote.

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