

ENROLLED ORDINANCE 165-20

AMEND WAUKESHA COUNTY 2010 BUDGET TO DISCONTINUE THE ENERGY EFFICIENCY REVOLVING LOAN PROGRAM AND TRANSFER THE 2010 APPROPRIATED FUNDING OF \$440,000 TO INCREASE CAPITAL PROJECT 200918 ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT IMPLEMENTATION FOR ADDITIONAL PROJECT EXPENDITURES

WHEREAS the federal American Recovery and Reinvestment Act of 2009, Public Law 111-5, appropriates funding for the Department of Energy (DOE) to issue formula-based grants to states, U.S. territories, units of local government, and Indian tribes under the Energy Efficiency and Conservation Block Grant (EECBG) Program, and

WHEREAS the EECBG Program provides grants to U.S. local governments, states, territories, and Indian tribes, to fund projects that reduce energy use, fossil fuel emissions, and improve energy efficiency, and

WHEREAS Waukesha County was identified as an entitlement community under the EECBG Program and received an allocation of \$2,217,900, and

WHEREAS the Waukesha County 2010 budget appropriated the allocation through capital project 200918 (\$1,651,900), the Energy Efficiency Revolving Loan Fund (\$440,000) and the general fund budgets of the Departments of Parks and Land Use and Public Works, and

WHEREAS Waukesha County initially set aside a portion of its grant allocation for a revolving loan fund to assist the many small businesses in the County that could use help in this economic climate reducing operating costs through energy conservation, and

WHEREAS the terms and conditions established for the EECBG concerning the revolving loan concept is laden with conditions and restrictions that will make it frustrating for business users and diminish the effectiveness of the effort, and

WHEREAS Waukesha County notified the Department of Energy of the issues associated with the revolving loan fund concept and requested the appropriation be shifted to other county energy conservation and efficiency projects.

THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA ORDAINS that the Energy Efficiency Revolving Loan Program created in the 2010 Adopted Budget is discontinued.

BE IT FURTHER ORDAINED that revenue and expenditure authority in the 2010 Adopted Energy Efficiency Revolving Loan Fund of \$440,000 be transferred to Capital Project 200918 Energy Efficiency and Conservation Block Grant Implementation to increase 2010 capital project and expenditures by \$440,000.

BE IT FURTHER ORDAINED that Capital Project 200918 Energy Efficiency and Conservation Block Grant Implementation be modified to include the purchase and installation of solar hot water systems for the Law Enforcement Center and Jail.

FISCAL NOTE

AMEND WAUKESHA COUNTY 2010 BUDGET TO DISCONTINUE THE ENERGY EFFICIENCY REVOLVING LOAN PROGRAM AND TRANSFER THE 2010 APPROPRIATED FUNDING OF \$440,000 TO INCREASE CAPITAL PROJECT 200918 ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT IMPLEMENTATION FOR ADDITIONAL PROJECT EXPENDITURES

This ordinance modifies the 2010 adopted budget to terminate the Energy Efficiency Revolving Loan program included in the Non-Departmental operating budget for \$440,000. According to the Parks and Land Use Director, the program's federal restrictions and requirements will diminish the effectiveness of the Revolving Loan Program as previously planned.

The ordinance modifies the 2010 Capital Project 200918 Energy Efficiency and Conservation Block Grant Implementation to increase expenditures and revenues by the \$440,000 to \$2,091,900 to include the installation of a solar thermal system for the water supply for the Waukesha County Jail and Law Enforcement Center. The ordinance transfers expenditure and revenues to the capital project from the Special Revenue fund operating budget set up for the revolving loan program, which is discontinued, resulting in no direct tax levy impact.


Keith K. Swartz
Budget Manager
5/5/2010

LGW

N:\PRCH-FIN\DOA\WPDATA\ORDIN\Energy capital project revision.doc

| | | | |
|--------------------|-----------------------------------|-----------------------|--|
| Project # | 200918 | Project Title: | Energy Efficiency and Conservation Block Grant Implementation |
| Department: | Parks and Land Use / Public Works | Sponsor: | Mark Keckeisen Duane Grimm |
| Phase: | Construction | Manager: | Dale Shaver, Parks and Land Use Director Allison Bussler, Public Works Director |
| Date: | June 1, 2010 | | |

REVISED BY ORDINANCE

| CAPITAL BUDGET SUMMARY | | | | |
|-------------------------------|-----------------|--|--------------|-------------|
| Year | 2009 | 2010 | 2011 | Total |
| Project Phase | In House Design | Construction | Construction | Project |
| Expenditure Budget | \$0 | \$1,931,900 | \$160,000 | \$2,091,900 |
| Revenue Budget | \$0 | \$1,931,900 | \$160,000 | \$2,091,900 |
| Net County Cost | \$0 | \$0 | \$0 | \$0 |
| COST DOCUMENTATION | | REVENUE | | |
| Design | \$0 | Energy Efficiency & Conservation Block Grant (EECBG) | | \$2,091,900 |
| Construction | \$2,091,900 | | | |
| Contingency | \$0 | | | |
| Total Project Cost | \$2,091,900 | Total Revenue | | \$2,091,900 |
| EXPENDITURE BUDGET | \$2,091,900 | REVENUE BUDGET | | \$2,091,900 |

Project Scope & Description

The American Recovery and Reinvestment Act of 2009, Public Law 111-5, appropriates funding for the Department of Energy (DOE) to issue/award formula-based grants to states, U.S. territories, units of local government, and Indian tribes under the Energy Efficiency and Conservation Block Grant (EECBG) Program. Funding was provided to cities with populations of at least 35,000 or that are one of the top ten highest populated cities and counties with a population of over 200,000 or counties of any size population that are one of the ten highest-populated cities or counties of the State in which they are located.

The Departments of Parks and Land Use, Public Works and Administration cooperatively submitted a series of projects under the EECBG to assist in implementing the Waukesha County Sustainability Plan completed in March 2008 and consistent with the Waukesha County Sustainability Policy adopted through Resolution 163-R-006 by the County Board on December 16, 2008.

Projects under this capital project include replacing interior and exterior lighting fixtures at designated facilities; incorporating a geo-exchange heat pump system to offset conventional heating and air conditioning at the Retzer Nature Center and Planetarium; installation of a dehumidification system that utilizes "waste" heat from the chiller refrigeration system to dehumidify the Nagawaukee Ice Arena in lieu of a natural gas desiccant dehumidifier; upgrade/replace HVAC equipment and controls, and replacement of desiccant system, potential use of waste heat for interior heat or dehumidification at the Eble Ice Arena; replace County Highway's luminaries to LED's associated with signalized intersections; **Installation of a Solar Thermal System for hot water supply for the Waukesha County Jail and Law Enforcement Center** and installing spread spectrum radio technology to interconnect traffic signals to reduce vehicle delay, thereby reducing emissions and fuel use.

| | | | |
|--------------------|-----------------------------------|-----------------------|--|
| Project # | 200918 | Project Title: | Energy Efficiency and Conservation Block Grant Implementation |
| Department: | Parks and Land Use / Public Works | Sponsor: | Mark Keckeisen Duane Grimm |
| Phase: | Construction | Manager: | Dale Shaver, Parks and Land Use Director Allison Bussler, Interim Public Works Director |
| Date: | June 1, 2010 | | |

Location

Administration Center; Courthouse; Highway Operations Center; Communications Center; Juvenile Center; Law Enforcement Center; Public Health Building; Retzer Nature Center; Eble and Nagawaukee Ice Arenas.

Analysis of Need

With improvements in lighting and mechanical equipment technology and the increasing cost of energy and water, it is in Waukesha County's best interest to continually evaluate opportunities to conserve and reduce utility cost and water usage as well as implement those projects that have reasonable return on investment.

The projects submitted under the EECBG and therefore included in this capital project were chosen because of the short return on investment (6 years and under); use alternative energy systems (waste heat capture and geo-thermal); and demonstrate a broad implementation of the Waukesha County Sustainability Plan (traffic signal interconnection).

| Project | Design / Construction Year | Estimated Cost | Estimated ROI * Years |
|--|-----------------------------------|-----------------------|------------------------------|
| Expo (interior / exterior) Lighting Upgrades | 2009 / 2010 | \$378,400 | 2-4 years |
| Government Center Exterior Lighting | 2009 / 2010 | \$326,500 | 2-4 years |
| Law Center Solar Thermal system | 2010/ 2011 | \$440,000 | |
| Highway Operations and Communications Center Exterior Lighting | 2009 / 2010 | \$167,000 | 2-4 years |
| County Facilities Interior Lighting | 2010 / 2010 | \$200,000 | 2-4 years |
| Waste Heat Recovery Nagawaukee Ice Arena | 2009 / 2010 | \$260,000 | 6 years |
| HVAC Upgrade Eble Ice Arena | 2010 / 2011 | \$140,000 | TBD |
| Retzer Renewable Energy (geo-thermal) Project | 2009 / 2010 | \$120,000 | 6 years |
| Street Lighting Luminaries Retrofit | 2010 / 2011 | \$20,000 | 2-4 years |
| Traffic Signal Interconnection | 2010 / 2010 | \$40,000 | N/A |

*Based on manufacturer's anticipated return on investment, potential rebates and maintenance savings

Alternatives

Do not accept the EECBG funding or take advantage of opportunities to reduce utility cost and water usage.

Ongoing Operating Costs

Initiation of these projects should result in a reduction in energy consumption of 20% for interior lighting and up to 65% for exterior lighting, geothermal and waste heat collection. The Departments of Parks and Land Use and Public Works will reduce utilities budgets in 2011 based on actual utility rates and reduced consumption.

Previous Action

New project in 2010-2014 Plan

AMEND WAUKESHA COUNTY 2010 BUDGET TO DISCONTINUE THE ENERGY EFFICIENCY REVOLVING LOAN PROGRAM AND TRANSFER THE 2010 APPROPRIATED FUNDING OF \$440,000 TO INCREASE CAPITAL PROJECT 200918 ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT IMPLEMENTATION FOR ADDITIONAL PROJECT EXPENDITURES

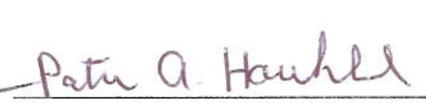
Presented by:
Executive Committee

Approved by:
Public Works Committee

Approved by:
Finance Committee


James T. Dwyer, Chair


David W. Swan, Chair


Patricia A. Haukoehl, Chair


Janel Brandtjen

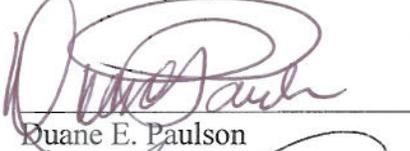

Kathy A. Chiaverotti

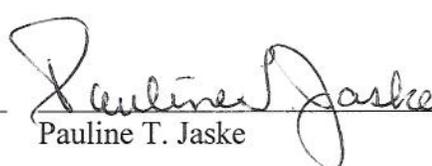

Dave Falstad

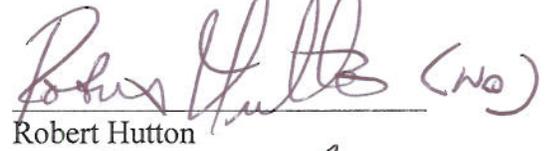

Patricia A. Haukoehl

ABSENT
Peter Gundrum

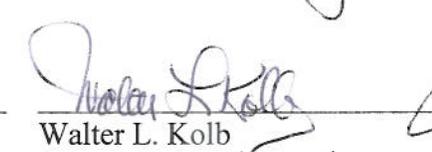
absent
James A. Heinrich

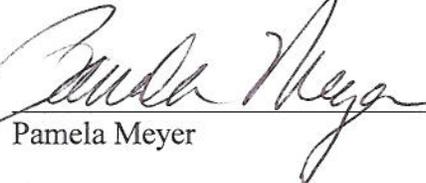

Quane E. Paulson


Pauline T. Jaske

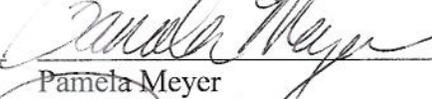
 (No)
Robert Hutton


Fritz Ruf

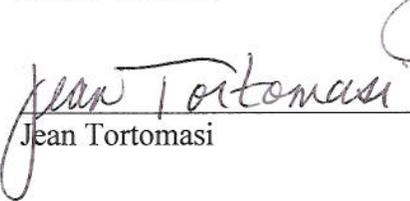

Walter L. Kolb

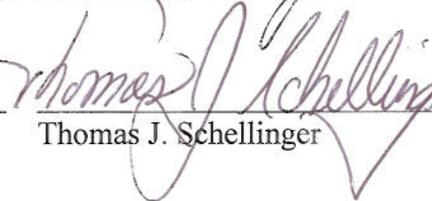

Pamela Meyer

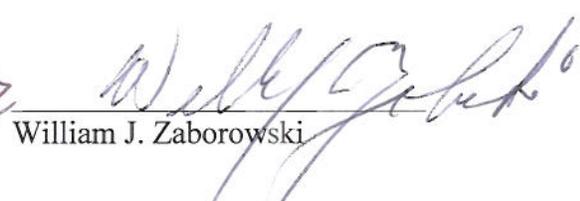
ABSENT
David W. Swan


Pamela Meyer

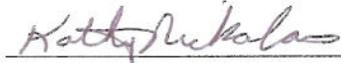
absent
Ted Rolfs


Jean Tortomasi


Thomas J. Schellinger


William J. Zaborowski

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: June 25 2010, 
Kathy Nickolaus, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:

Approved: X
Vetoed: _____

Date: 6-25-10, 
Daniel P. Vrakas, County Executive

WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-06/23/10

(ORD) NUMBER-1650022

1 D. FALSTAD.....AYE
3 R. HUTTON.....NAY
5 J. JESKEWITZ.....AYE
7 P. HAUKOHL.....AYE
9 J. HEINRICH.....AYE
11 F. RUF.....AYE
13 P. DECKER.....AYE
15 P. MEYERS.....AYE
17 J. TORTOMASI.....AYE
19 S. WIMMER.....AYE
21 W. ZABOROWSKI.....AYE
23 K. CHIAVEROTTI.....AYE
25 G. YERKE.....AYE

2 T. ROLFS.....AYE
4 J. DWYER.....AYE
6 J. BRANDTJEN.....AYE
8 T. SCHELLINGER.....AYE
10 D. SWAN.....AYE
12 P. WOLFF.....AYE
14 M. INDA.....AYE
16 D. PAULSON.....AYE
18 K. CUMMINGS.....AYE
20 P. JASKE.....AYE
22 P. GUNDRUM.....NAY
24 W. KOLB.....AYE

TOTAL AYES-23

TOTAL NAYS-02

CARRIED X

DEFEATED _____

UNANIMOUS _____

TOTAL VOTES-25