U.S. Department of Energy
Categorical Exclusion Determination Form

Program or Field Office: EERE-RW/EECBG

Project Title: LED Conversion/Retrofit

Location: Pennsylvania Township of Manheim

Proposed Action or Project Description: American Recovery and Reinvestment Act: ☒

Project Activity #3 is a continuation of the Township's multi-year four phase effort to replace old traffic control signal lighting with more energy efficient light emitting diodes (LED) bulbs or other technology of equal or greater energy efficiency.

The Township of Manheim intends to bid and complete the LED traffic signal retrofit project in 2010, which will reduce energy costs by a minimum of 75% for approximately 11 separate traffic control devices and conclude the complete retrofit of all traffic signals in the community. The estimate is based on current bids for other lighting replacement work. The estimate covers lighting purchases and installation costs spread over about 2 quarters in 2010. This project will be publicly bid and awarded to the low qualified bidder for construction in 2010.

Hours and Jobs - Through recent LED conversion projects conducted in the Township, contractors are devoting approximately 15 minutes per LED module replacement. This project will generate and estimated total of 69.25 man hours of work which would be the equivalent of 0.03 jobs.

Categorical Exclusion(s) Applied:

X - B1.32 Traffic flow adjustments, existing roads

X - B2.2 Installation of/improvements to building/equipment instrumentation (remote controls, emergency warning systems, monitors)

X - B5.1 Actions to conserve energy

X- A1 - Routine administrative/financial/personnel actions

*-For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, see Subpart D of 10 CFR10 21 Click Here

This action would not: threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive Orders; require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities; disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; or adversely affect environmentally sensitive resources (including but not limited to those listed in paragraph B.(4)) of Appendix B to Subpart D of 10 CFR 1021). Furthermore, there are no extraordinary circumstances related to this action that may affect the significance of the environmental effects of the action; this action is not "connected" to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer: Othalene J. Lawrence Date Determined: May 18, 2010

Comments: Webmaster: Lawrence Wiggins Digitally signed by Lawrence Wiggins DN: cn=Lawrence Wiggins, o=EES, ou, email=Lawrence.Wiggins@hq.doe.gov, c=US Date: 2010.05.26 11:32:00 -04'00'

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