



Board of Commissioners of Cook County

118 North Clark Street
Chicago, IL

Legislation Text

File #: 15-0591, **Version:** 1

PROPOSED GRANT AWARD

Department: Office of Capital Planning & Policy

Grantee: County of Cook

Grantor: Illinois Clean Energy Community Foundation

Request: Authorization to accept grant

Purpose: Solar Thermal Installation

Grant Amount: \$295,000.00

Grant Period: 11/1/2014 - 10/31/2015

Fiscal Impact: N/A

Accounts: N/A

Concurrences:

The Budget Department has received all requisite documents and determined the fiscal impact on Cook County, if any.

Summary: The solar walls will be installed at four (4) Cook County Highway facilities (Des Plaines, Orland Park, Schaumburg, and Riverdale). The solar walls will be built vertically and affixed to existing building walls with southern orientations to maximize energy harvest. The solar walls will offset the natural gas used to heat these facilities that are responsible for the maintenance of 1,474 lane miles of pavement, 130 bridges, 332 traffic signals & 5 pumping stations within Cook County. The solar wall systems convert solar energy to heat with up to 80% efficiency and will reduce gas fired unit heaters natural gas usage by 2.04 therms/sqft of solar wall eliminating dependency on natural gas fired heat for much of the heating season.

One primary goal of this installation is to help the County approach its goal of reducing greenhouse gas (GHG) emissions 80% by 2050. When paired with other energy efficiency and renewable energy measures, we may be able to achieve our 2050 GHG goals ahead of schedule.