

**ACCEPTING US DEPARTMENT OF ENERGY FUNDS FOR WINDOWS & LIGHTING CONTROLS UPGRADE AT THE CITY-COUNTY BUILDING**

Dane County Office of Energy & Climate Change (OECC) is seeking authority to accept a \$981,998 research grant from the US Department of Energy (DOE) which will fund a joint Dane County-City of Madison-Slipstream energy efficiency effort to upgrade windows and lighting controls in the suites on the Martin Luther King, Jr., Boulevard façade of the City County Building. This is a three-year project that will measure and document the associated energy savings and related benefits as part of the DOE's Building Technologies Office.

In June 2020 Slipstream Group Inc ("Slipstream"), a local nonprofit with deep expertise in energy efficiency, convened Dane County and City of Madison staff to discuss a DOE funding opportunity. The opportunity was seeking projects at local government facilities where entities coupled multiple technologies in innovative ways to demonstrate energy savings and related benefits. The group agreed to pursue funding for a windows replacement project at the CCB that coupled windows with advanced lighting controls. (The lighting controls will make the window upgrades more cost effective by helping to reduce electric usage on sunny days.) OECC submitted a concept paper to DOE in July 2020 on behalf of the group and, some months later, DOE invited us to submit a full proposal. In January 2021 DOE announced the intent to award funding to the CCB project and now, finally, we have the DOE paperwork in hand and we are requesting authorization to accept the funding and implement the project.

Under the project we are proposing to replace windows in the suites on floors one through five on the Martin Luther King, Jr. Boulevard side of the CCB. The same suites will get lighting controls that maximize energy savings associated with the new high efficiency windows. As a requirement of the DOE funding, we will couple the project with a rigorous research methodology where Slipstream will measure energy usage and occupant comfort both before and after the project, creating a detailed technical report for DOE as well as various outreach materials. This project—focused on upgrading windows in an aging public facility—will give Dane County and the City of Madison insights that enable us to address the remaining CCB facades as well as other older facilities. The project will also give us insights that can help us address the remaining CCB windows—and windows in other older buildings—in subsequent budget cycles.

The project does require matching funds. All three partners committed to some matching funds with both Dane County and Madison committing to fund a portion of the window and lighting upgrades as part of the project. All partners are also providing some in-kind labor as match.

In total, DOE is providing \$981,998 in federal dollars, which is then matched by \$238,684 from Dane County, \$298,322 from Madison and \$18,000 from Slipstream. (The City of Madison's cost share is greater than the County's because the City has to do some lighting upgrades before installing the controls; the lighting in County suites has already been upgraded.) Relative to the windows specifically, Dane County will spend less than \$4 for every \$10 of new windows we receive in the various suites.

38 In addition, the research Slipstream is doing will showcase findings from the CCB, providing yet another  
39 example of how Dane County is leading on clean energy solutions.

40 This is a three year grant where the first year is spent in design and baseline measurements, the second  
41 in implementing the upgrades at the CCB and the third in measuring results and reporting those results  
42 to DOE and the broader public. Additionally, we will share energy usage data with DOE for an additional  
43 five years after the end of the project.

44 The DOE Cooperative Service Agreement begins June 1, 2021 and ends May 31, 2024. Total project  
45 funding is \$981,998 with a total of \$555,006 in matching dollars from Dane County, the City of Madison  
46 and Slipstream.

47 NOW, THEREFORE, BE IT RESOLVED that the County Board approves the DOE Cooperative Service  
48 Agreement for the Windows Upgrade at the CCB.

49 BE IT FURTHER RESOLVED that the County Executive and the County Clerk are hereby authorized to sign  
50 the DOE Cooperative Services Agreement and to accept the DOE funding

51 BE IT FINALLY RESOLVED that the 2021 Budget is amended as follows:

52	OECC (New) DOE Grant Revenue	203,317
53	CPFACMGT (New) DOE Grant Revenue	778,681
54	CPFACMGT (New) City Revenue –DOE Project	202,395
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56	OECC (New) Slipstream POS – DOE Grant	162,674
57	OECC (New) City of Madison POS – DOE Grant	39,049
58	OECC (New) Travel – DOE Grant	1,594
59	CPFACMGT 58302 Windows & Lighting	981,076

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61 These accounts shall carryforward until funds are expended and revenues received.