



Palmer City Council Meeting

H. 1.

Meeting Date: 02/13/2024
Submitted For: John Diument, Airport Superintendent
Department: City Manager's Office
Agenda Category: Resolution
Legislation Number: RES 24-010 ☒ **Approved**

Subject

A Resolution of the Palmer City Council Authorizing the City Manager to Commence Design and Environmental Work on the Lighting System at the Palmer Municipal Airport for the Purpose of Obtaining Federal Aviation Administration Grant Funding and Appropriate \$115,086 From the Unassigned General Fund Balance for this Project

Summary Statement/Background

The lighting and wiring at the Palmer Airport was last replaced in 2006 under grant Project # 3-02-0211-013-2006 funded by the FAA, though parts of the system have been operating on the airport since the 1970s. Several individual fixtures have been replaced since 2006, but the airfield lighting system is largely intact from that time. The lighting system uses a combination of halogen and incandescent light bulbs for runway and taxiway edge marking as well as for navigational aids both on the surface and from the airspace around the airport. Currently, the incandescent light bulbs needed for the system are not readily available. Testing of the cabling powering the airfield lighting indicates that the cabling and/or conduit it's housed in may be failing. Several airport signs have been updated to LED signs, but most signs remain incandescent or halogen lit. The Precision Approach Path Indicator (PAPI) lights and Runway End Indicator Lights (REILs) are aging and may not be properly functioning.

The recommendation is to replace the lighting fixtures, cabling, conduit, and regulators on the airfield. Most lighting fixtures will be updated to LED fixtures, new wiring will be run in new conduit, and regulators will be installed properly sized for the new, and possibly reduced, electrical load.

The cost of the project will total nearly \$3.2 million. With the FAA funding 93.75% of the project, the City's estimated total share will be \$202,200. In order for the project to be grant funded by the FAA, it will be necessary for the City to spend an amount not to exceed \$197,586 with HDL to progress the project with a preliminary environmental document, design work, and contractor bidding with an award recommendation. When the FAA does fund the project, this amount will be subject to a 93.75% reimbursement from the FAA. Currently, \$82,500 is allocated to airfield lighting in fund 30-30-10-6055. An additional \$115,086 is necessary to fully fund the progression of the project to a grant eligible status.

Administration's Recommendation:

It is the administration's recommendation that an additional \$115,086 be allocated to fund the airport lighting project.

Fiscal Impact

Total Amount of funds listed in this legislation: 197586
Legislation creates expenditure in the amount of: 115086
Budgeted Y/N?: n
Line Item(s): 30-30-10-6055

Line Item(s): 01-01-70-6078 Transfer to Other Funds; 30-00-00-3673 Transfer from Other Funds

Attachments

2023 Electrical Report
Lighting Cost Estimate
HDL Lighting Replacement Proposal
Failure Example - 1-17-2024
Resolution 24-010

LEGISLATIVE HISTORY

Introduced by: Manager Moosey
Date: February 13, 2024
Action: Approved
Vote: Unanimous

Yes:

No:

Mayor Carrington
Deputy Mayor Anzilotti
Alcantra
Best
Cooper
Melin
Tudor

CITY OF PALMER, ALASKA

Resolution No. 24-010

A Resolution of the Palmer City Council Authorizing the City Manager to Commence Design and Environmental Work on the Lighting System at the Palmer Municipal Airport for the Purpose of Obtaining Federal Aviation Administration Grant Funding and Appropriate \$115,086 From the Unassigned General Fund Balance for this Project.

WHEREAS, the lighting system at the Palmer Airport is nearing the end of its useful life; and

WHEREAS, a lighting system replacement would bring the airport lights to the current standard; and

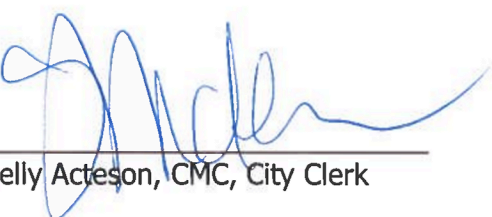
WHEREAS, a lighting replacement project at the Palmer airport can be funded through a Federal Aviation Administration Airport Improvement Project grant; and

WHEREAS, in order to progress the project to a point where it can be funded by the FAA, preliminary environmental and design work must be completed.

NOW, THEREFORE, BE IT RESOLVED by the Palmer City Council hereby Authorizing the City Manager to commence design and environmental work on the lighting system at the Palmer Airport for the purpose of obtaining Federal Aviation Administration grant funding.

Approved by the Palmer City Council this 13th day of February 2024.


Steven J Carrington, Mayor


Shelly Acteson, CMC, City Clerk