



MEMORANDUM

Date: September 14, 2022
To: Deadwood City Commission
From: Kevin Kuchenbecker, Historic Preservation Officer
Re: Permission to Purchase Wireless Color Changeable Bulbs

For many years, the Streets Department has changed the color of the globes on the historic streetlights for the holidays. This is a very time-consuming process involving several staff members along with the necessary equipment to complete the process. Also, there is the issue of having to restore the replacement globes in the off season.

Due to the vast number of visitors, Deadwood has been attempting to address the issues of public WiFi access points. Staff and the Chamber has chosen to pursue other options after consulting with BluePeak about upgrading the system at a cost of \$90,000.00.

Staff explored options for light bulbs available to not only change color via WiFi but also provide a public WiFi hotspot for high traffic areas. These bulbs could also serve as a mesh WiFi network throughout the bulb's vicinity. Staff feels the new technology would suit the city well as a tighter network and would be another offering to our visitors and residents to be able to have WiFi throughout our main corridors. In addition, the bulbs would be sequenced electronically so changing the colors would be a quicker, safer, and more cost-effective process for the Christmas season, St. Patrick's Day, Valentine's Day, the Fourth of July and other holidays.

The cost to switch to the compatible bulbs and set up a wireless color changeable system is \$19,800.00. Staff is recommending purchasing this system from Eagle Enterprises, LLC. The upgrade to the WiFi capability in the amount of \$6,000.00 along with the annual service will be paid from BID revenues of BID 7 & BID 8.

Recommend Motion: *Move to purchase wireless color changeable bulbs for streetlights from Eagle Enterprises, LLC in the amount of \$19,800.00 to be paid out of Bid 7, Bid 8, Street Department supply budget, and HP Capital Assets line item.*