




Rapid City-Pennington County  
Emergency Management  
130 Kansas City St., Ste. 130, Rapid City, SD 57701  
Office: 605-394-2185 Fax: 605-394-2180

## **MEMORANDUM**

**DATE:** April 8, 2016  
**TO:** Fire Chief, Mike Maltaverne  
**FROM:** Dustin Willett   
**SUBJECT:** CIP Funding Request for **Outdoor Public Warning Siren Upgrade and Standardization Project**

Public alert and warning during times of disaster or impending disaster is one of the core missions of my office. One of the foundational technologies we rely on to alert people who are outside is the outdoor public warning siren constellation. My office has been working diligently over the past 4 years to improve the functioning and reliability of the siren constellation and in continuation of those efforts, I am requesting to come before the CIP Committee and speak to the next phase of this ongoing project and request a portion of the funding through the CIP process.

The constellation of 32 sirens we currently maintain (37 total, but we only maintain 32) are comprised of 11 different models from 3 different manufactures representing 3 fundamentally different design types and ranging in manufacture from the 1950's to around 2006. As you can imagine, maintaining technical proficiency regarding the repair of these sirens along with the challenge of finding, ordering, and at times fabricating needed parts is becoming prohibitively costly both in terms of dollars and time. In order to improve the functioning and reliability of the siren constellation while reducing the maintenance costs we have been moving towards a single system/manufacture solution with modern warning technology enhancements.

The first phase of this project included the investment of approximately \$40k in the head-end command and control hardware/software for the siren constellation. Currently, we are in the second phase of the project which requires the replacement of the individual siren control & telemetry system. There are 21 sirens located within Rapid City and each one requires a total hardware investment of \$4300.00 for a total of \$90,300.00. My office currently has \$24,108.00 available for the Rapid City sirens, so I am requesting \$66,192.00 through the CIP process.

I plan on attending the 4/15/2016 CIP meeting and will be happy to stand for any questions. If there is any information you will be specifically asking for, please let me know ahead of time so that I can source the requisite data.