

WINNEBAGO COUNTY, WISCONSIN

CAPITAL PROJECT REQUEST

Department: Facilities and Property Management

Project title: Neenah Human Services Building Air Conditioning Chiller Replacement

Department head: Mike Elder

Contact: Mike Elder

Project Description: (Attach additional sheets as needed and label as Attachment 1):

This project is to replace the two existing air conditioner chiller units. The Building was built in 1994. The air conditioning units were installed during construction. They are 28 years old. Leaks have developed in the past but were able to be repaired. This past summer a leak in one of the chillers developed in an area that is inaccessible to make a repair, rendering the unit inoperable. The Neenah Human Services building was built to provide conditioned ventilation, both heat and cooling without opening the windows. Without mechanical cooling the work environment inside the building would become uncomfortable for the summer and the later months of spring and early months of fall. Lack of proper air conditioning in the summer can lead to indoor air quality issues and affect building occupant health. The normal life expectancy of this type of equipment is 20 to 25 years. Additionally, this air conditioning system uses Refrigerant R-22 which has been discontinued. This makes these air conditioning units obsolete and repairs parts hard to obtain.

Relationship to other projects and plans: (Attach additional sheets as needed and label as Attachment 2):

This project is not related to any other project.

Justification and alternatives considered: (Attach additional sheets as needed and label as Attachment 3):

There are two alternatives. The first is to do nothing and continue to operate with a degraded air conditioning system, affecting indoor air quality and comfort. The other alternative is to replace the existing air conditioning chillers with more energy efficient ones.