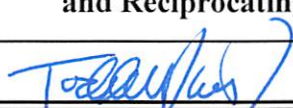


**UNIVERSITY OF TOLEDO
FACILITIES AND CONSTRUCTION**

Section:	Administrative	Procedure Number:	ADM-29
Subject:	Loss of Centrifugal Chillers, Absorbers and Reciprocating Machines	Effective Date:	August, 1990
		Revised Date:	December 2019
Facilities Officer:		Reviewed Date:	December 2019

Standard Operating Procedure

Specific procedures will be implemented when a loss of centrifugal chillers, absorbers, reciprocating machines or other essential air cooling equipment fails.

Purpose

To provide a systematic approach to restoring proper environmental conditions by outlining specific procedures which are designed to enhance communication and the safety and protection of all occupants affected by a loss of such equipment.

Procedure

The Central Control operator on duty will notify the following personnel to authorize rental equipment:

- Director of Energy Management

If all mechanical refrigerant equipment is down in the Hospital, 2-500 ton, water-cooled centrifugal chillers may be rented and placed beside the Southeast airway (intake for VU-1). The high pressure flex piping may be tied in to the condenser pump and to the tower.

The chilled water may be tied in to the supply and return chilled water by closing chilled water supply and return valves on any of the machines, unbolting the supply and return inlet and outlet, turning the assembly to accept the flexible high pressure hose.

The electric can be picked up from the chiller disconnects located for each machine.

DOWLING HALL

Rental of 260 ton machines may be placed in the loading dock. The chilled and condenser water may be tied by unbolting the piping as it enters the machine in Dowling Hall, turning the flanges to accept the high pressure flex piping from the rental machine. Electric may be either tied in at the chiller disconnect or the substation.

KOBACKER CENTER, RUPPERT, DANA CANCER CENTER

A portable unit will be delivered from main campus and piped in from emergency hook-ups located on the Dana dock.

GLENDALE MEDICAL CENTER

The AHU and cooling are in the same unit. If a compressor fails, another one may be installed by Air Quality or a contractor.

Cooling equipment located in areas not mentioned above will be repaired on site and no rental equipment will be installed.

RENTAL OF UNITS

If all mechanical refrigeration machines in the building are out of service and the down time is extended, cooling equipment may be rented from the following:

Nu Temp, Inc.
3348 South Pulaski
Chicago, Illinois 60623
(800)-323-3977

Entech, Inc.
3404 Ganden Brook Drive
Dallas, Texas 75234
(214)-241-8128

CONTRACTORS

Dimech Services, Inc.
5505 Enterprise Blvd., Toledo, OH
24/7 Service Line: 419-727-0111

Helm Associates
501 West Sophia Street
Maumee, Ohio 43537
Phone: 419-893-4369

Carrier Corp Building Sys
37695 Schoolcraft Road
Livonia, MI 48150
Phone: 734-522-5000