# 01 5000 –
# Temporary Facilities and Controls



Last Update: December 8, 2015

A. General:

1. This guideline is primarily to assist the specifier with writing or editing the specification as it relates to temporary electricity, heating and cooling and other utilities. These requirements are found in BSU Guide Specification section 015000.

B. Manufacturers:

1. N/A.

C. Temporary Electricity

1. BSU generally allows unmetered usage of the campus electrical supply for construction activities including general temporary power and construction temporary lighting. We do NOT typically allow unmetered usage of our electrical supply for temporary heating or cooling equipment other than for blower fans. This is especially true on new construction and major renovations where the potential for large openings in the building enclosure to the outside is great.
2. It is the responsibility of the contractor to furnish and install all temporary feeders and equipment and remove the same prior to substantial completion. The consultant shall show on the contract documents the source for temporary power and its capacity. Coordinate this with BSU Engineering during design.
3. In instances where a new permanent service is being provided within the scope of the project including installation of a new exterior pad mounted transformer close coordination with BSU Engineering is required. Refrain from counting on using this service as a source of temporary power if there is any question as to when it will become available (BSU typically performs the 15kV primary work separately from the building contract). Identify an alternative source of temporary power instead.

D. Temporary Water and Sanitary

1. It is the responsibility of the contractor to furnish and install any required or desired equipment for temporary water and sanitary. On new construction and major renovation projects, BSU typically does not allow the use of the permanent plumbing fixtures and equipment for temporary use during construction due to the lack of a clean environment and lack of proper maintenance of the equipment and fixtures during construction. Portable toilet facilities shall be furnished, installed and maintained by the contractor. Coordinate with BSU Engineering for small project requirements.
2. The contractor may use the permanent water supply for construction activities and is allowed unmetered usage. The consultant shall identify the source of the water supply designated for temporary use on the construction documents.

E. Temporary Heating

1. It is the responsibility of the contractor to furnish and install any required or desired equipment for temporary heating. BSU typically does not allow the use of the permanent heating and air handling equipment for temporary use during construction due to the lack of a clean environment and lack of proper maintenance of the equipment during construction. BSU may allow use of the permanent HVAC equipment for temporary heating once all dust making activities are completed, the building is permanently enclosed and the systems are ready for commissioning activities to

begin.

2. The contractor shall provide and pay for the energy or fuel source for temporary heating, except for the use of the Owner's geothermal heating hot water system. Unmetered use of the geothermal hot water source when available is typically allowed as we generally have excess heating capacity on this system. The use of the Owner's electricity and steam supplies for temporary heating (other than blower fans) is NOT allowed due to capacity, cost and the typical lack of energy conservation practices by the contractors. Natural and LP gas fired heaters are allowed as long as the burners are outside of the building and no CO or fire hazard inside the building is created. Open flame gas fired heaters inside the building are not allowed.

F. Temporary Cooling

1. It is the responsibility of the contractor to furnish and install any required or desired equipment for temporary cooling and dehumidification. BSU typically does not allow the use of the permanent cooling and air handling equipment for temporary use during construction due to the lack of a clean environment and lack of proper maintenance of the equipment during construction. BSU may allow use of the permanent HVAC equipment for temporary cooling once all dust making activities are completed, the building is permanently enclosed and the systems are ready for commissioning activities to begin.

2. Where available, the contractor may use the Owner's central chilled water supply and return for temporary cooling and dehumidification provided all openings are temporarily or permanently sealed to the satisfaction of the Owner prior to connection to the chilled water system. Building enclosures shall be maintained to the satisfaction of the Owner at all times while the Owner's chilled water system is in use. Chilled water use shall be under control either manually or automatically to conserve use. The system shall not be left to "run wild".