

## **NATURAL GAS SYSTEM**

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**U of I Distribution System:** The U of I owns, operates and maintains the underground natural gas distribution system that serves a portion of the south part of the campus. A majority of campus facilities are fed directly from the AmerenIP natural gas distribution system.

**Natural Gas Heat Content:** The heating content of the natural gas distributed by the U of I varies monthly and may be obtained directly from the Energy Service Division within F&S. It is generally in the range of 1010 to 1020 btu/cf.

**Compliance:** The design and construction of all natural gas distribution systems on campus shall be in complete compliance with all applicable Federal and State regulations. All natural gas work shall be in conformance with State of Illinois, Illinois Commerce Commission requirements, including the Illinois Pipeline Safety Act, 220 IL CS 20, and Illinois Administrative Code Title 83, Parts 520, 590, 595, and 265; and United States Department of Transportation, Pipeline and Hazardous Materials Safety Administration Office of Pipeline Safety, regulations including 49 CFR Part 191 and Part 192.

**Distribution Piping:** All distribution piping shall be sized and configured appropriately to serve the ultimate future need for natural gas in the geographical area being served. Valves shall be installed beneath grass areas and/or parkways where possible. Location beneath streets, sidewalks or other paved areas should be avoided. Branch valves should be located as near the mains as practical.

**Building Services:** Each building should be provided with natural gas service only when needed. The location of the service to the building and the meter location should be obtained from the *Utility Program Statement*. Information regarding pipe size / location / configuration and valve location / configuration should be obtained in the same manner. If fuel gas is utilized within any structure other than Abbott Power Plant, work shall conform to the International Fuel Gas Code.

**Documentation and Submittals:** The AE shall review the *Project Submittal Requirements*.