

Carolina Gas Transmission, LLC

Total Heating Value and Non-Hydrocarbon Gas

Total Heating Value of natural gas and level of Non-Hydrocarbon Gases in natural gas flowing in the pipeline system are determined using gas chromatographs. Carolina Gas Transmission's ("CGT") gas chromatographs are set to the following industry standards:

- Gross Heating Value: Gas Processors Association Standard GPA 2172
- Gas Compressibility correction: American Gas Association Standard AGA 8
- Standard Component Table: Gas Processors Association Standard GPA 2145-03
- Atmospheric Pressures: gas chromatographs calibrate automatically

CGT's gas chromatographs are directly connected to the CGT pipeline system and are set to sample and test at prescribed intervals throughout the gas day. A simple average of the test results for the Gas Day is posted on the "FG040 Daily Average Gas Quality Information for Mainline Flow" report. This report can be found on CGT's Informational Postings Internet Website under the Gas Quality section by selecting the Report(s) subsection and then selecting "Daily Average Gas Quality Report".

Temperature of Natural Gas

To determine the temperature of the gas flowing through the pipeline system, CGT uses temperature transmitters which are located in close proximity to the gas chromatographs. CGT calculates a simple average daily temperature of flowing natural gas which is then posted on the "FG040 Daily Average Gas

Quality Information for Mainline Flow" report. This report can be found on CGT's Informational Postings Internet Website under the Gas Quality section by selecting the Report(s) subsection and then selecting "Daily Average Gas Quality Report".

Total Sulfur, Hydrogen Sulfide, and Water Vapor

As currently configured, CGT's pipeline system receives gas from two interstate natural gas pipelines and an LNG import facility. In addition, CGT delivers natural gas to liquefaction and storage facilities owned by a third party and can receive this gas back into CGT's system when nominated by the third party to meet its requirements. The liquefaction process reduces the total sulfur, hydrogen sulfide and water vapor content in natural gas. At this time, CGT has no wells or gathering systems directly connected to its system.

The levels of total sulfur, hydrogen sulfide, and water vapor in natural gas flowing in CGT's pipeline system are monitored through weekly review of the websites of the two interstate pipelines, Southern Natural and Transco, delivering gas to CGT. This web site review also indicates that Southern Natural and Transco determine these levels through standard methods generally used in the natural gas industry.