

# Suppliers of Natural Gas and Natural Gas Liquids Monitoring Checklist



## Subpart NN, Greenhouse Gas Reporting Program

*What Must Be Monitored for Each Supplier of Natural Gas and Natural Gas Liquids (NGLs)?*

### **For local distribution companies (LDCs), measure these parameters...**

- Annual volume of natural gas received at the city gate stations for redelivery on the LDC's distribution system (thousand standard cubic feet (Mscf))
- Annual volume of natural gas received that bypassed the city gate (Mscf)
- Annual volume of natural gas received that is stored on-system or liquefied and stored (Mscf)
- Annual volume of natural gas withdrawn from on-system storage for delivery on the LDC's distribution system (Mscf)
- Annual volume of vaporized liquefied natural gas produced at on-system vaporization facilities for delivery on the LDC's distribution system (not included above in the annual volume of natural gas received at its city gate for redelivery) (Mscf)
- Annual volume of natural gas delivered to downstream gas transmission pipelines and other LDCs (Mscf)
- Annual volume of natural gas delivered to each facility receiving greater than or equal to 460,000 Mscf of natural gas per year or each meter to which the LDC delivers equal to or greater than 460,000 Mscf per year.
- Annual volume of natural gas delivered to each of the following types of customers: residential, commercial, industrial, and electricity generating facilities (Mscf)
- Carbon dioxide emission factor and/or higher heating value of natural gas supplied, if developing a site-specific higher heating value and/or emission factor for Calculation Methodology 1
- Carbon dioxide emission factor of natural gas supplied, if developing a site-specific emission factor for Calculation Methodology 2

## For NGL fractionators, measure these parameters...

- Annual volume of each NGL product (ethane, propane, normal butane, isobutane, and pentanes plus) supplied (barrels, or bbl)
- Annual volume of each NGL product (ethane, propane, normal butane, isobutane, and pentanes plus) received from other NGL fractionators (bbl)
- Annual quantities of y-grade, o-grade, and other bulk NGLs received from others for fractionation (bbl)
- Annual quantity of y-grade, o-grade and other bulk NGLs supplied to downstream users that is not fractionated by the reporter (bbl)
- Annual volume of natural gas received for processing (thousand standard cubic feet)
- Carbon dioxide emission factor and/or higher heating value for each NGL product supplied (ethane, propane, normal butane, isobutane, and pentanes plus), if developing site-specific higher heating values and/or emission factors for use in equation NN-1
- Carbon dioxide emission factor for each NGL product supplied and received (ethane, propane, normal butane, isobutane, and pentanes plus), if developing site-specific emission factors for use in equations NN-2 and NN-7
- Annual quantity of propane odorized at the facility and delivered to others (bbl)

See also the information sheet for Suppliers of Natural Gas and Natural Gas Liquids at: <https://www.epa.gov/ghgreporting/subpart-nn-information-sheet>.

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