

City of Enumclaw – Gas Utility

Residential Gas Service Pressure Policy & Generator Guidance

This policy outlines the City of Enumclaw Gas Utility’s standards and safety requirements regarding residential gas delivery pressure and requests for 2 psig (2 pound) service. It also provides guidance for contractors designing natural gas supply lines for standby generators.

Topic	Policy / Guidance
Standard Residential Delivery Pressure	7 inches water column (nominal), ≤ ½ psig per NFPA 54.
2 psig Residential Service	Not offered by City of Enumclaw Gas Utility. Residential meter sets are limited to standard delivery pressure for consistency, appliance compatibility, and operational safety.
Exceptions	None for single family residences. Commercial accounts are eligible for 2 psig service
Customer Requests for 2 psig	Requests will not be approved for single family residences. Customers must design their piping systems to function at the standard delivery pressure.

Standby Generator Guidance

Contractors installing standby generators must design the gas supply system to meet the generator manufacturer’s required flow (CFH) and minimum inlet pressure at **standard residential delivery pressure (7 in. w.c.)**. The City will not provide a 2 psig residential meter set for the purpose of reducing pipe size or cost.

Submittal Requirements

1. Generator make/model and natural gas consumption (CFH) at full load.
2. Minimum required inlet pressure (steady state and transient/start).
3. Pipe sizing calculation based on NFPA 54 or approved equivalent, showing:
 - Total equivalent length (including fittings)
 - Design pressure drop (typically 0.3–0.5 in. w.c.)
 - Proposed pipe material and sizes
4. One line sketch from meter to generator with pressures, regulators, and labeling.
5. Pressure test documentation per NFPA 54 §8.1.3.

Acceptable Alternatives

- Upsize the low pressure line to maintain minimum generator inlet pressure.
- Relocate or reroute the generator to shorten the run.
- Use propane or alternate fuel if the distance makes low pressure supply impractical.