

Natural Gas Capacity Study Results

- Objective: purpose to model existing City system and assess system capacity for growth
- Findings:
 - Normal load is ~ 2-5 Mcfh
 - Peak winter demand is 30 Mcfh (Jan 2024 & Feb 2021)
 - Modeled system at peak + 25% (37.5 Mcfh)
 - System operates at acceptable levels in peak conditions
- New Customer Assessments:
 - Town East Crossing
 - Flat Creek Subdivision
 - Both can be supported by the existing system without compromising typical operations
 - During peak load, pressures drop in immediate area of the new customers
- Recommendations (System Master Plan):
 - Support for growth to the east
 - Increase Pear Tree outlet pressure to support anticipated continued growth to the east of the City.
 - Add a DRS on the north side of US 90
 - Update model with meter coordinates to refine model accuracy
 - Update and maintain GIS mapping for natural gas system to mirror model
 - Field verify high-pressure system location, material and high-pressure services
 - Field verify locations where maps and actual field appurtenances do not match
 - Review compliance procedures to ensure latest regulations and best practices are implemented.
 - Apply for grant assistance for replacing older facilities, training and possibly for adding a new supply station
 - Research potential for second supply station to support system resiliency