

Email form to [busdev@carotek.com](mailto:busdev@carotek.com)

## Basic Surge Investigation Input Data

### Project Data

Project Name:  Location:   
Engineering Firm:  Contact Name:   
Email:  Phone:

### Pipe Data

Nominal Diameter:  Material:   
Pressure Class:  Length of Pipeline:

### Flow and Pressure Data (Per Pump Station)

Fluid Type:  Static Head at Check Valve:   
Minimum Flow:  Normal Flow:  Maximum   
Flow: Maximum Allowable System Pressure:   
Positive Pump Suction Head (if applicable):

### Pump Data (Per Each Pump)

Number of Pumps:  Pump Discharge Diameter:  Pump Type:   
Rated Head:  Shut Off Head:  Rated Flow:   
Flow at No Head Condition:   
Drive Type (Constant Speed, Variable Speed, Soft Start/Stop):

### Additional Information

- Provide a description of the pump duty cycle (ie. 24/7, 365 days per year; infrequent use during storm; 1 pump will run continuously, 1 will run 30% of the time, 1 is a standby, etc.)
- Provide pipeline profile drawing if available.
- If pipeline consists of different sections of different diameter or material, provide data for all sections.
- If different pump sizes are used, provide above data for all sizes.
- Provide drawings of pump station if available.
- Provide pump curves if available