

Emergency Backup Water System Sizing and Design Questionnaire

Project Name: _____

Project Location: _____

Engineer/Rep/Contractor/Rep Name: _____

System Information

Building type: _____ Building condition: ☐ New ☐ Existing

NPC-5 facility? ☐ Yes ☐ No

Water supply: ☐ Well ☐ City

If yes, number of beds: _____

Water quality (if unknown, please send us a water sample for testing)

Iron (PPM): _____ Manganese (PPM): _____ pH: _____

Tannins (PPM): _____ Hardness (GPG): _____ TDS (PPM): _____

City-supplied disinfectant (if applicable): ☐ Chlorine ☐ Monochloramine

Other (include any details): _____

Incoming pressure for tank fill (PSI): _____

GPM required for makeup fill to tank (if known) (GPM): _____ Incoming water main size (in): _____

Quantity: _____

Existing pressure booster to be used? ☐ Yes ☐ No ☐ Unsure

If yes, list existing pressure booster details (GPM, head/PSI, number of pumps, HP, make, model, etc.):

Do want WCC to size/select a booster system? ☐ Yes ☐ No

If yes, list minimum required discharge GPM and PSI: _____

Daily water usage (if known) (Gal): _____

Existing storage tank? ☐ Yes ☐ NoShould WCC help select a tank? ☐ Yes ☐ No

List existing or desired storage tank capacity (Gal): _____

Type of existing or desired storage tank: ☐ Above grade ☐ BuriedType of existing or desired storage tank: ☐ Atmospheric ☐ Pressurized

Distance from tank to mechanical space (ft): Vertical: _____ Horizontal: _____

Equipment must be protected from moisture and freezing temperatures. Describe space available for equipment (include dimensions): _____

Power supply (voltage/phase): _____

BAS protocol (if available): ☐ Modbus ☐ BACnet MS/TP ☐ BACnet IP☐ Other: _____Special seismic certification (SSC) required? ☐ Yes ☐ No

Which of the following describe the project priorities? (Select any that apply):

- ☐ Client wants extra redundancy designed into the system
- ☐ Client wants maximum health protection possible designed into the system
- ☐ Client wants advanced communication and monitoring built into the system
- ☐ Low budget: client only wants the bare minimum to meet code requirements

Other comments or requests:

Submitting this Questionnaire

Thank you for working with Water Control. We value your business. Please fax, email, or mail this questionnaire to us (or your local representative) for processing and system selection.

Email: engineering@watercontrolinc.com