

# Emergency Backup Water System Sizing and Design Questionnaire

Client Name and Firm: \_\_\_\_\_

Client Contact Information: \_\_\_\_\_

## System Information

Building type: \_\_\_\_\_

NPC-5 facility?  Yes  No

If yes, number of beds: \_\_\_\_\_

Building condition:  New  ExistingWater supply:  Well  City

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.):

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Do you 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  No

Should WCC help select a tank?  Yes  No

List existing or desired storage tank capacity (Gal): \_\_\_\_\_

Type of existing or desired storage tank:  Above grade  Buried

Type 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](mailto:engineering@watercontrolinc.com)