



Aquanomix  
P.O. Box 194  
Davidson, NC 28036  
T/ 704.402.4373  
F/ 704.892.5708

## Water Reuse Design Questionnaire

Please fill out document in its entirety, and email to [technical@aquanomix.com](mailto:technical@aquanomix.com) Thank you.

Date

Name

Company

Job title

City

State  Zip

Telephone

Fax

Email

Company Website

### PROJECT OVERVIEW

Project location

Address

City

State  Zip

County

Project Description





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### PROJECT STATUS:

Conceptual  
Construction

Design/Development  
After-market

Pre-construction  
Other

Is this a LEED-targeted project?

Yes                  No

If yes, please select target certification level from below.

Certified                  Silver                  Gold                  Platinum

Alternate water source available?

Yes                  No

If yes, please select sources from list below.

Rainwater

Graywater

Air conditioning condensate

Other (please detail primary and secondary sources below)

Desired applications for alternate water sources:

Cooling tower makeup

Irrigation

Water closets

Truck washing

Other (please detail below)

Request for information:

Literature

Design/consulting

Budget quotation

Other (please detail below)





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## WATER SOURCES SECTION

### RAINWATER COLLECTION INFORMATION

Total usable roof sq. footage (rainwater able to be captured from this surface area)

Estimated annual rainfall (in inches)

What material is the roof surface?

Will rainwater be collected from a green roof?

Yes      No

If yes, please detail below:

Any water quality concerns?

Yes      No

If yes, please detail below:

### GRAYWATER COLLECTION INFORMATION

Graywater collection sources:

Bathtubs

Showers

Bathroom sinks

Washer/laundry sink(s)

Other (please detail below)

Estimated annual graywater capture (in gallons)

Peak flow rate of graywater production

Any water quality concerns?

Yes      No

If yes, please detail below:

### AIR CONDITIONING CONDENSATE RECOVERY INFORMATION

Tonnage of AC system

Estimated annual condensate production (in gallons)

Percentage of total enclosed volume of the building that is replaced by introduced outside air via mechanical ventilation, based on a daily average:

Outdoor temperature

Outdoor relative humidity

Indoor temperature

Indoor relative humidity

Peak flow rate of condensate production

Any water quality concerns?

Yes      No

If yes, please detail below:





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## WATER USES SECTION

### COOLING TOWER MAKEUP APPLICATION INFORMATION

Tower tonnage	<input type="text"/>
Year-round load average (in decimal format)	<input type="text"/>
Cycles of concentration	<input type="text"/>
Required peak flow rate	<input type="text"/>
Hours of operation	<input type="text"/>
Annual estimated cooling tower make up need (gpy)	<input type="text"/>

### IRRIGATION APPLICATION INFORMATION

Required peak flow rate	<input type="text"/>
Hours of operation	<input type="text"/>
Desired Irrigation area (in sq. feet)	<input type="text"/>
Annual estimated irrigation need (gpy)	<input type="text"/>
Irrigation schedule by month	<input type="text"/>

### WATER CLOSET APPLICATION INFORMATION

Required peak flow rate	<input type="text"/>
Hours of operation	<input type="text"/>
Number of toilets	<input type="text"/>
Number of urinals	<input type="text"/>
Annual estimated water closet need (gyp)	<input type="text"/>





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## SYSTEM DESIGN PREFILTRATION

First flush required?

Yes      No

If yes, number of downspouts (specify quantity)

Typical downspout dimension (diameter round)

Number of roof drain headers from building

## WATER STORAGE/CISTERN(S)

Status of cistern

Cistern already on site      Will require for this project

Cistern size (dimensions or gallons; please include any space limitations at your site)

Cistern material

Steel      HPDE      Fiberglass      Other (please specify below)

Cistern location

Above ground      Below ground

If below ground, will H-20 rating be required for cistern?

Yes      No

Do you have any information about the subsurface conditions of the project site?





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## SYSTEM DESIGN

### WATER DISTRIBUTION/PUMP SYSTEM(S)

Submersible pump?

Yes

No

Booster pump?

Yes

No

Flow range (GPM)

Flow range (GPM)

Pressure range (PSI)

Pressure range (PSI)

TDH

TDH

Electrical specifications

Electrical specifications

Simultaneous peak flow rate for all water outlets

Simultaneous peak flow rate for all water outlets

Any other design criteria?

Is dye required by code?

Yes

No

If yes, what color?

