

Applicant/Project: \_\_\_\_\_

**WATER AND SEWER SYSTEM APPLICATION ADDITIONAL QUESTIONS**

**EXISTING FACILITY INVENTORY**

Complete the following information on existing and under-construction facilities which **relate to the proposed project**. Include documentation in engineering report when applicable.

Also include a statement from the utility district or city utility department on their letterhead that they have had input regarding the project.

**A. Water Source**

Type and Capacity of Source (GPD):	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
Subtotal	_____	_____	_____
Average Daily Demand (GPD)	_____	_____	_____
Peak Daily Demand (GPD)	_____	_____	_____

(Use negative numbers)

**B. Water Treatment Plant\***

Name of System _____	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
Design Capacity (GPD)	_____	_____	_____
Average Daily Demand (GPD) (July 2015 through June 2016)	_____	_____	_____
Peak Daily Demand (GPD)	_____	_____	_____
Average Daily Pumping Time (Hours)	_____	_____	_____
Average Percentage Water Loss** (July 2015 through June 2016)	_____	_____	_____
Average Daily Water Sold (GPD) (July 2015 through June 2016)	_____	_____	_____

\* For applicants without a treatment plant, report the average water pumped and average water sold for your system only.

\*\* Must show a decrease in water loss for proposed water loss projects

**C. Sewage Treatment Plant**

Name of System _____	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
Design Capacity Hydraulic (MGD)	_____	_____	_____
Organic Loading (lbs/day)	_____	_____	_____
Average Daily Demand (MGD)	_____	_____	_____
Peak Daily Demand (MGD)	_____	_____	_____

Include a copy of the NPDES permit limits for existing plants in the supporting documentation. If a new discharge permit is required, attach a copy of the planning limits provided by the Division of Water Pollution Control, Permits Section, for a proposed discharge or upgrade.

**D. Permit Violations**

Are any of the existing facilities related to the proposed project presently under citation from the Tennessee Department of Environment and Conservation or the U.S. Environmental Protection Agency due to permit violations?

Yes      No

If yes, identify facility and violation and include a copy of the citation in the supporting documentation.

**E. Major Users**

Provide the following information about the major users in the service areas:

	EXISTING SYSTEM		PROPOSED IMPROVEMENTS		TOTAL	
	No. of Hookups / People	Projected Demand / Flow (GPD)	No. of Hookups / People	Projected Demand / Flow (GPD)	No. of Hookups / People	Projected Demand / Flow (GPD)
Residential	_____	_____	_____	_____	_____	_____
Commercial	_____	_____	_____	_____	_____	_____
Industrial	_____	_____	_____	_____	_____	_____
Subtotal	_____	_____	_____	_____	_____	_____

**F. Proposed Project**

For Sewer System projects, according to the PER, what percentage of the work is I/I \_\_\_\_\_%, treatment plant work \_\_\_\_\_%, work on an interceptor \_\_\_\_\_%, or other (Describe: \_\_\_\_\_) \_\_\_\_\_%

**G. Water Storage Volume**

Total Storage Capacity \_\_\_\_\_ MG (with clearwell)

Total Distribution Storage Capacity \_\_\_\_\_ MG (without clearwell)

**H. Rate Structure**

What is the existing residential water/sewer rate structure and what is the water/sewer cost for 5,000 gallons of water/sewer consumed? If this project will raise rates, what will the new rate structure be and how much will 5,000 gallons cost? **Include** taxes and fees, in the calculation.

1. Attach existing and proposed rate structure from the provider on their **letterhead**. The letter needs to state the amount for 5,000 gallons including taxes, fees, etc. Be sure to also show the **basis** for the dollar amount charged for each area (inside city, outside city, etc.)
2. Monthly water/sewer bill based on 5,000 gallons consumed

Area: _____	\$
Area: _____	\$
Area: _____	\$

**PROJECT IMPACT**

Rate Factor Formula: (Round to 3 decimal places - .000)

$$\frac{\text{Monthly Water/Sewer Bill 5000 gals.}}{\text{Target Area Per Capita Income}} \times (100) = \underline{\hspace{2cm}}$$

$$(\$ \underline{\hspace{1cm}}) \div (\$ \underline{\hspace{1cm}}) \times (100) = \underline{\hspace{2cm}}$$

Multi-jurisdiction Rate Factor Calculation:

Area: \_\_\_\_\_

$$(\$ \underline{\hspace{1cm}}) \div (\$ \underline{\hspace{1cm}}) \times (100) = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \% = \underline{\hspace{2cm}}$$

Area: \_\_\_\_\_

$$(\$ \underline{\hspace{1cm}}) \div (\$ \underline{\hspace{1cm}}) \times (100) = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \% = \underline{\hspace{2cm}}$$

Area: \_\_\_\_\_

$$(\$ \underline{\hspace{1cm}}) \div (\$ \underline{\hspace{1cm}}) \times (100) = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \% = \underline{\hspace{2cm}}$$

TOTAL Average Rate \_\_\_\_\_

## REAL PROPERTY ACQUISITION

Property must be acquired in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (as amended).

NOTE: Plans and Specifications cannot be approved and construction activities cannot begin until all acquisition of land and right-of-ways are complete. Documentation must be submitted with the plans and specifications.

Indicate type and number of each acquisition

Fee simple title (# \_\_\_\_\_ )

Sewer line easements (# \_\_\_\_\_ )

Water line easements (# \_\_\_\_\_ )

Other (Describe: \_\_\_\_\_ )

Check here if no acquisition will be required.

## MAP/SURVEY FORM INSTRUCTIONS

The Indirect Beneficiary Map/Survey Form should be completed for all system-wide projects. The 2017 forms are on the TNECD CDBG website; those are the only forms that will be accepted.

For all houses surveyed, a number must be placed in BOTH the "Total Persons" column and "LMI Persons" column. The number in the "LMI Persons" column must either match the "Total Persons" column or be "0". Double check each row to ensure this has been done correctly. It is not necessary to include houses that are not surveyed on the forms.

A new page should be used for the start of each target area.

A Target Area and Jurisdiction Map is required to show all target area and jurisdiction boundaries (not individual homes). The randomness methodology must be thoroughly described in the application to show that the surveys were random. Additional resources on how to complete a random survey are on the TNECD CDBG website.