



COLLIER COUNTY GOVERNMENT
GROWTH MANAGEMENT DEPARTMENT
www.colliergov.net

2800 NORTH HORSESHOE DRIVE
NAPLES, FLORIDA 34104
(239) 252-2400 FAX: (239) 252-6358

**STATEMENT OF UTILITY PROVISIONS
FOR PUD REZONE REQUEST**

APPLICANT CONTACT INFORMATION

Name of Applicant(s): _____

Address: _____ City: _____ State: _____ ZIP: _____

Telephone: _____ Cell: _____ Fax: _____

E-Mail Address: _____

Address of Subject Property (If available): _____

City: _____ State: _____ ZIP: _____

PROPERTY INFORMATION

Section/Township/Range: ____/____/____

Lot: ____ Block: ____ Subdivision: _____

Metes & Bounds Description: _____

Plat Book: ____ Page #: ____ Property I.D. Number: _____

TYPE OF SEWAGE DISPOSAL TO BE PROVIDED

Check applicable system:

- a. County Utility System
- b. City Utility System
- c. Franchised Utility System
- d. Package Treatment Plant
- e. Septic System

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Provide Name: _____
(GPD Capacity): _____

TYPE OF WATER SERVICE TO BE PROVIDED

Check applicable system:

- a. County Utility System
- b. City Utility System
- c. Franchised Utility System
- d. Private System (Well)

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Provide Name: _____

Total Population to be Served: _____

Peak and Average Daily Demands:

- A. Water-Peak: _____ Average Daily: _____
- B. Sewer-Peak: _____ Average Daily: _____

If proposing to be connected to Collier County Regional Water System, please provide the date service is expected to be required: _____



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Narrative statement: Provide a brief and concise narrative statement and schematic drawing of sewage treatment process to be used as well as a specific statement regarding the method of affluent and sludge disposal. If percolation ponds are to be used, then percolation data and soil involved shall be provided from tests prepared and certified by a professional engineer.

Collier County Utility Dedication Statement: If the project is located within the service boundaries of Collier County's utility service system, a notarized statement shall be provided agreeing to dedicate the water distribution and sewage collection facilities within the project area to the Collier County Utilities. This shall occur upon completion of the construction of these facilities in accordance with all applicable County ordinances in effect at that time. This statement shall also include an agreement that the applicable system development charges and connection fees will be paid to the County Utilities Division prior to the issuance of building permits by the County. If applicable, the statement shall contain an agreement to dedicate the appropriate utility easements for serving the water and sewer systems.

Statement of Availability Capacity from other Providers: Unless waived or otherwise provided for at the pre-application meeting, if the project is to receive sewer or potable water services from any provider other than the County, a statement from that provider indicating adequate capacity to serve the project shall be provided.

- 460 Dwelling Units
- 69 ksf Shopping Center
- 11 ksf sit down restaurant (high turnover)
- 10.5 ksf Mini-Warehouse

Calculate Peak Water Demand from Residential Uses

Residential Average Daily Flow = $\frac{460 \text{ Units}}{1 \text{ Unit}} \times 350 \text{ GPD}$

Residential Average Daily Flow = 161,000 GPD

Residential Peak Day Demand = $\frac{161,000 \text{ Gal}}{1 \text{ Day}} \times \frac{1 \text{ Day}}{1440 \text{ Minutes}} \times 1.35 \text{ Peak Day Factor}$

Residential Peak Day Demand = 150.9 gpm

Calculate Peak Water Demand from Non-Residential Uses

Shopping Center Flows

Retail Average Daily Flow = $\frac{69,000 \text{ sf}}{1 \text{ sf}} \times 0.1 \text{ GPD Wastewater} \times 1.4 \text{ GPD Water}$

Retail Average Daily Flow = 9,660 GPD

Retail Peak Day Demand = $\frac{9,660 \text{ Gal}}{1 \text{ Day}} \times \frac{1 \text{ Day}}{1440 \text{ Minutes}} \times 1.35 \text{ Peak Day Factor}$

Retail Peak Day Demand = 9.1 gpm

Sit Down Restaurant Flows

Assume Restaurant Density = 45 sf / restaurant seat

Assumed Number of Restaurant Seats = $\frac{11,000 \text{ sf restaurant area}}{45 \text{ sf / restaurant seat}}$

Assumed Number of Restaurant Seats = 244 restaurant seats

Calculate potable water demands from restaurant use:

Restaurant Average Daily Flow =	244 seats	40 GPD Wastewater seat	1.4 GPD Water GPD WW
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Restaurant Average Daily Flow = 13,689 GPD

Restaurant Peak Day Demand =	13,689 Gal Day	1 Day 1440 Minutes	1.35 Peak Day Factor
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Restaurant Peak Day Demand = 12.8 gpm

Mini Warehouse / Self Storage Flows

Assume 800 self storage units and two employees per shift and 24 hour operation

Self Storage Average Daily Flow =	200 Units	1 GPD Wastewater Unit	1.4 GPD Water GPD WW
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Self Storage ADF (first 200 units) = 280 GPD

Self Storage ADF (units above 200) =	600 Units	0.5 GPD Wastewater Unit	1.4 GPD Water GPD WW
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Self Storage ADF (units above 200) = 420 GPD

Self Storage Employee Average Daily Flow =

2 employees

shift

3 shifts

day

15 GPD WW

employee

1.4 GPD Water

GPD WW

Self Storage Employee Average Daily Flow =

126 GPD

Mini Warehouse Average Daily Flow =

826 GPD

Mini Warehouse Peak Day Demand =

826 Gal

Day

1 Day

1440 Minutes

1.35 Peak Day Factor

Restaurant Peak Day Demand =

0.8 gpm

Summary

Proposed Land Use	Potable Water		Sanitary Sewer	
	ADF (GPD)	Peak Day (gpm)	ADF* (GPD)	Peak Day (gpm)
Residential	161,000	150.9	115,000	107.8
Retail	9,660	9.1	6,900	6.5
High Turnover Restaurant	13,689	12.8	9,778	9.2
Self Storage (Mini Warehouse)	826	0.8	590	0.6
Total for Scenario	185,175	173.6	132,268	124.0

* Sanitary sewer ADF calculated as Water ADF divided by 1.4