

# Charlotte Wastewater Connection & Usage Fees

20-Sep-24

## Initial Connection Fee

### Existing System Cost Recovery

\$283,000 System Infrastructure Construction Costs  
 \$ 15,000 Design & Permitting Costs  
 \$ 298,000 (PDSC) Present Day System Cost = (OSC x IA)  
 6499 (SDF) System Design Flows in GPD  
 \$ 45.85 (DSC) Disposal System Cost Per GPD of Design Flow = (PDSC / SDF)  
**\$ 4,585.00** = Approved GDP of Design Flow for Property: **100** x \$ 45.85

## Quarterly Usage Fee

### Capacity Fee

**\$ 200** Annual Audit Cost Sharing **This is the Town's cost to read the water meter annually or quarterly**  
**\$ 4,000** Annual System Inspection **This is the Town's costs for inspecting components of the system**  
**\$ 200** Annual Billing & Management Cost Sharing Allocation **This is for the Town's time for administration**  
 \$ 4,400 Total Fixed Administration Costs  
**5** Number of System Connections **This is the total number of connections, including the Town's connections**  
 \$ 880 Cost Per Connection Allocated to Annual Administration Fee

**\$ 220 Cost Per Connection Quarterly Admin. Fee**

### (BPL) Annual Cost of Burns Property Usage/Lease

\$ 30,000 (ASV) Assessor's Sewage Added Value of Per Equivalent Unit Wastewater System Capacity  
 6499 (SDF) System Design Flow in GPD of Disposal System  
 490 (DA) Design Allocation flow in GPD to Equivalent Unit Connection  
 13.26 Number of Equivalent Units (EU) in System Capacity = (EU = SDF/DA)  
 \$ 397,898 (FMV) Fair Market Value of Property Wastewater Capacity = (ASV x EU)  
 40 (YR) Design Life  
 \$ 9,947 (AV) Annual Valuation = (FMV/YR)  
 6,499 (SDF) System Design Flow in GPD of Town Disposal System  
 \$ 1.53 (ACC) Annual Connection Cost per GPD of Design Flow for Connection = (AV/SDF)  
 \$ 0.38 (QCC) Quarterly Connection Cost per GPD of Design Flow for Connection = (ACC/4)  
**\$ 38.27** = Approved GDP of Design Flow for Property: **100** x \$ 0.38

### Sinking Fund Contribution (To be updated annually)

	Cost	Life (Yrs)	Span Pd.	Cost/30 Yrs
Pump Station Electrical Sys.	\$ 4,500	10	30	\$ 13,500
Pumps & Railing	\$ 10,000	12	30	\$ 25,000
Disposal Field Expansion	\$ 40,000	30	30	\$ 40,000
Disposal Field Renovation	\$ 30,000	30	30	\$ 30,000
Planning Costs	\$ 5,000	10	30	\$ 15,000
				<b>\$ 123,500 every 30 Years</b>

\$ 123,500 (ERC) Estimated Replacement Cost Every 30 Years  
 \$ 4,117 (AERC) Annualized Estimated Replacement Cost = (ERC/30)  
 6499 (SDF) System Design Flow in GPD of Disposal System  
 \$ 0.63 (UAERC) Unitized Annual Replacement Cost = (AERC/SDF)  
 \$ 0.16 (QERC) Quarterly Estimated Sinking Fund Replacement Costs = (UAERC/4)  
**\$ 15.84** = Approved GDP of Design Flow for Property: **100** x \$ 0.16

## Quarterly Cost Summary

\$ 220 Cost Per Connection Quarterly Admin. Fee  
 \$ 38.27 (BPL) Annual Cost of Burns Property Usage/Lease  
 \$ 15.84 Sinking Fund Contribution  
**\$ 274 Per Quarter = \$ 1,096 Per Year**