**Specific Single-Family Residential Connection Criteria** (*Measured or estimated demands.*)

Average Day Demand (ADD):       gpd/ERU.

Maximum Day Demand (MDD)       gpd/ERU.

|  |  |  |  |
| --- | --- | --- | --- |
| **Water System Connections Correlated to ERUs** | | | |
| **Service Classification** | **Total MDD for the classification, gpd** | **Total # Connections in the classification** | **ERUs** |
| **Residential** |  | | |
| Single-family |  | | |
| Multifamily |  | | |
| **Nonresidential** |  | | |
| Industrial |  |  |  |
| Commercial |  |  |  |
| Governmental |  |  |  |
| Agricultural |  |  |  |
| Recreational |  |  |  |
| Other (specify) |  |  |  |
| **DSL** |  | N/A |  |
| **Other (identify)** |  |  |  |
| **Total existing ERUs (Residential + Nonresidential + DSL + Other)** = | | | |

|  |  |  |
| --- | --- | --- |
| **Service Capacity as ERUs and Gallons Per Day** | | |
| **Water System Component (Facility)** | **ERU Capacity for Each Component** | **GPD Capacity for Each Component** |
| Source(s) |  |  |
| Treatment |  |  |
| Equalizing Storage |  |  |
| Standby Storage |  |  |
| Transmission |  |  |
| Water Rights (Qa and Qi) |  |  |
| Other (specify) |  |  |
| **Water System Service Capacity (ERUs)** =  *(Based on the limiting water system component shown above.)* | | |

***Note: F****or the purposes of capacity analyses and water system plans, this form needs to be accompanied by the calculations that were used to come up with the ERU capacity figures.*

***Notes***

* *Capacity determinations are only for existing facilities that are operational for the water system.*
* *Not shown above are distribution system limitations (Section 4.5.4) on ERUs because these are location-specific within the distribution system. These limits are not expected to limit the ERU capacity of the entire water system.*

**Attachment A: Documenting Capacity Evaluation (Example)**

This example shows how to document the results of a water system's service capacity evaluation. See Section 3.12 for examples that show how to derive these values.

Average Day Demand Maximum Day Demand

ERUADD 425 gpd/ERU

ERUMDD 725 gpd/ERU

|  |  |  |  |
| --- | --- | --- | --- |
| **Water System Connections Correlated to ERUs** | | | |
| **Service Classification** | **Total for the**  **classification, gpd** | **Total # Connections in**  **the classification** | **ERUs** |
| **Residential** |  | | |
| Single-family | 101,000 (MDD) | 139 | 139 |
| Multifamily | 5,000 (MDD) | 10 | 7 |
| **Nonresidential** |  | | |
| Industrial | 150,000 (MDD) |  | 207 |
| Commercial | 20,000 (MDD) | 3 | 28 |
| Governmental | 10,000 (MDD) | 1 | 14 |
| Agricultural | N/A | N/A |  |
| Recreational | 5,000 (MDD) | 2 | 7 |
| Other (specify) | N/A |  |  |
| **DSL** | 35,000 gpd | N/A | 48 |
| **Totals** | 326,000 gpd | 156 connections | 450 ERUs |

|  |  |  |
| --- | --- | --- |
| **Service Capacity as ERUs and Gallons Per Day** | | |
| **Water System Component (Facility)** | **ERU Capacity for Each Component** | **Gallons/GPD Capacity for Each Component** |
| Source(s) | 496 | 360,000 gpd |
| Treatment | No treatment provided | No treatment provided |
| Equalizing Storage | 501 | 53,000 gallons |
| Standby Storage | 600  Local standard = 300 gal/ERU | 180,000 gallons |
| Transmission | >600 | Determined ample |
| Water Rights (Qa and Qi) | 705 for Qa  496 for Qi | 330 ac-ft. per year (0.3 MGD)  250 gpm (0.36 MGD) |
| **Water System Service Capacity (ERUs) = 496**  *(Based on the limiting water system component shown above.)* | | |

In this example, the water system demonstrates an excess capacity of 46 ERUs (496 - 450 = 46). We assume each future connection will use water consistent with an ERU. The example assumes that the addition of new connections will not result in an increase in the system's current DSL (i.e., build-out rather than expansion of the distribution system).