## Oklahoma Comprehensive Water Plan - Public Water Supply Planning Guide Table 6-3: Baseline Water Demand Projections

Syster	m Name						
Year	Retail Pop	pulation	Retail per Capita	Retail Water	Other $(additional)^3$	Total Demand	Data Source(s)
	Served		Demand (GPCD) <sup>1</sup>	Demand (AFY) <sup>2</sup>	Demand (AFY)	(AFY)	
			If additional d	emand is included pr	ovide an explanation b	elow.	
			If additional d	emand is included pr	ovide an explanation b	elow.	
Year	Total De	mand <sup>4</sup>	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF)	mand⁴ Y)					Source(s)
Year	Total De (AF <sup>*</sup>	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF <sup>v</sup>	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF <sup>1</sup>	mand⁴ Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF <sup>*</sup>	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF <sup>*</sup>	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF <sup>1</sup>	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF)	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)
Year	Total De (AF <sup>*</sup>	mand <sup>4</sup> Y)	Annual Average Day	Peak Day	Peak Hour		Source(s)

<sup>1</sup> Gallons Per Capita per Day. This value should include system losses and other nonrevenue water. These figures are provided in the OCWP Regional Reports.

<sup>2</sup> Acre Feet per Year. One acre foot (AF) is about 325,850 gallons of water. These figures are provided in the OCWP Regional Reports.

<sup>3</sup> Other demand may include wholesale water sales to other providers and/or additional demand. The OCWP Regional Reports include wholesale water sales.
<sup>4</sup> From upper table.

<sup>5</sup> To convert from AFY to mgd, multiply total demand (AFY) by 0.0008921 (mgd/AFY) to get annual average day demand (mgd).

<sup>6</sup> To calculate peak day demand, multiply the annual average day demand by the peak day ratio. The peak day ratio is defined as the amount of water produced on the highest water use day (peak day demand) divided by the water use on the average day (average day demand). The peak day demand is typically used when developing infrastructure projects.

<sup>7</sup> To calculate peak hour demand, multiply the annual average day demand by the peak hour ratio. The peak hour ratio is defined as the amount of water produced during the highest water use hour divided by the water used on the average day (average day demand). The peak hour demand is typically met by using finished water storage tanks.