

## El Dorado County Park & Ride Demand

### 2017 El Dorado Transit Authority's - Park & Ride Master Plan

		Total	Maximum Usage
A)	Number of Park & Ride Spaces* (*From Table 1 - Summary of Existing Park & Ride Facilities)	943 sp.	501 sp.
B)	U.S. Census Bureau, 2019 El Dorado County Population	192,843	
	2019 South Lake Tahoe Population	<u>(22,036)</u>	
	West Slope Population	170,807	People
C)	Usage Rate	$170,807 \text{ people} / 501 \text{ spaces} = 340 \text{ people/space}$	
D)	U.S. Census Bureau, # of Households in El Dorado County	74,216	Households
E)	El Dorado County Population per household	$192,843 \text{ people} / 74,216 \text{ households} = 2.6 \text{ people/household}$	
F)	# of Housing Units per Park & Ride Space	$340 \text{ people/space} / 2.6 \text{ people/household} = 130 \text{ households/space}$	
G)	BLHSP Park & Ride Demand	$1,458 \text{ housing units} / 130 \text{ housing units/per space} = 11 \text{ Park \& Ride Spaces}$	
H)	Current Demand in BLHSP	$470 \text{ Units} / 1458 \text{ Total Units} \times 11 \text{ Spaces} = \mathbf{3.5 \text{ Park \& Ride Spaces}}$	