

City Council Study Session

Potential EV Parking

Presented by:

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Current EV Chargers

Level 1 - 120V (3-5 miles/hr)

Level 2 - 240V (10-20 miles/hr)

Level 3 - 480V (20 miles/min)

Definitions

EV-Capable

Infrastructure to add outlets for chargers

EV-Ready

Outlet ready to plug in a charger

EV-Installed

Full charger installation

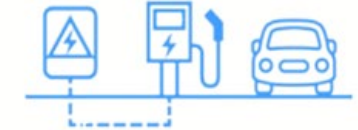
EV READINESS



EV Capable



EV Ready



EV Installed

Single-family residential as required by other cities

City	EV Installed	EV Capable	EV Ready
Scottsdale	-	1 space per dwelling unit	-
Flagstaff	-	-	1 space per dwelling unit

Multi-family residential as required by other cities

City	EV Installed	EV Capable	EV Ready
Scottsdale	4% of min. parking	20% of min. parking	-
Avondale	4% of resident parking + 1% of visitor parking	16% of resident parking + 3% of visitor parking	-
Flagstaff	-	3% of min. parking	-
Tucson	-	20% of min. parking	10% of min. parking

Builders - current installation

Single-Family Builders

Blandford = EV-Ready (Varies)

Taylor Morrison = EV-Ready (Varies)

Toll Brothers = EV-Ready (Varies)

Lennar = EV-Ready

Multi-Family Builders

5-10% EV – Installed

5-10% EV – Capable

Applies to most apartments and condos due to market demand, not city requirements



Recommendations

Single-Family Residential

EV-Capable = 1 per dwelling unit

Multi-Family Residential

EV-Installed = 5% of required parking

EV-Capable = 10% of required parking

Commercial

Continue conducting research for future amendments





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