City Council Meeting

Potential EV Parking

Presented by:

Nana Appiah – Development Services Director

John Sheffer – Building Official

ELECTRIC VEHICLE (EV) CHARGERS

Single-Family Residential

EV Capable = 1 per dwelling unit

Multi-Family Residential

EV Installed = 5% of Units

EV Capable = 15% of Units

Current EV Chargers

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

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

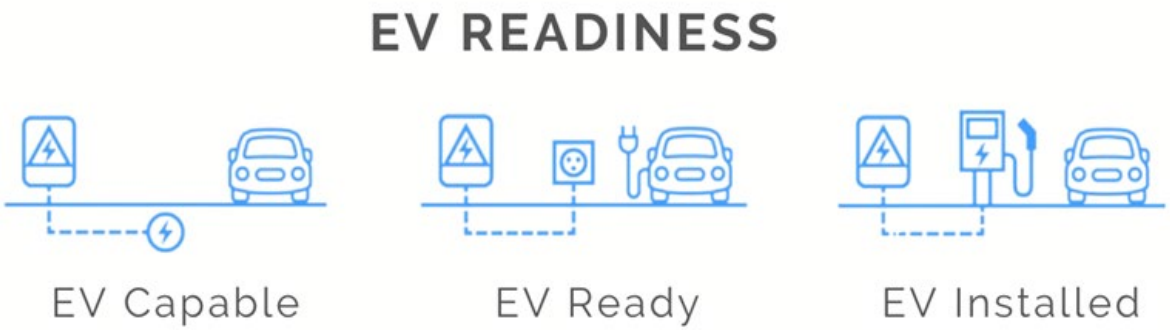
Level 3 - 480V (20 miles/min)

Definitions

EV-Capable
Infrastructure to add outlets for chargers

EV-Ready
Outlet ready to plug in a charger

EV-Installed
Full charger installation



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