

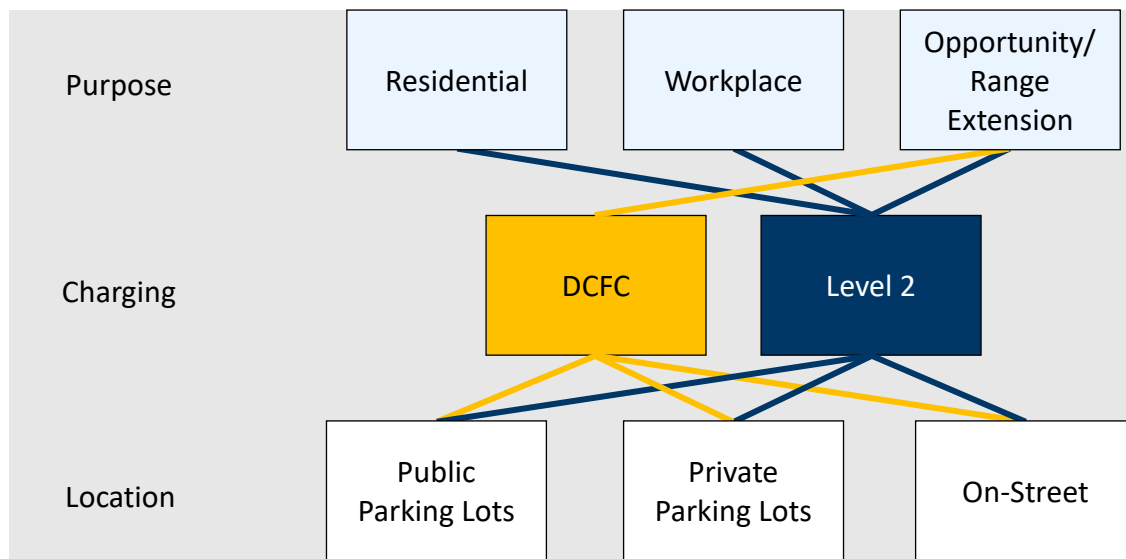
APPENDIX A

EV Charger Types

Table 1 Common EV charging infrastructure types and characteristics

	Level 1 (AC)	Level 2 (AC)	DCFC
Typical Output	1.5 kW (120 Volts)	7.2 kW (240 Volts)	50 kW – 350 kW (400 to 800 Volts)
Range Added per Hour (approximate)	8 km	40 km	300+ km
Equipment and installation costs	\$150 - \$1,500 ¹	\$2,000 - \$15,000	\$75,000 - \$250,000
Typical use locations	Some homes, workplaces, public spaces	Homes, workplaces, public spaces	Major corridors, public spaces
Used by	BEV and PHEV	BEV and PHEV	Primarily BEVs

EV charging can be grouped by charging type, and further grouped by purpose (e.g. residential, workplace, “on the go” or opportunity charging) and location (e.g. private and public parking lots and on-street). For each charging type, Figure 1 shows the most appropriate purpose and locations.



¹ While a standard 120 V AC outlet can be used, an EV driver will need to provide their own portable charging infrastructure to make the connection possible. Alternatively, Level 1 charging can refer to a permanently affixed 120 Volt charging station that can be used by EVs without requiring additional equipment.