CHARGETRONIX
ENERGY INFRASTRUCTURE DELIVERY

CASE STUDY

MESA GRANDE BAND OF DIEGUEÑO MISSION INDIANS

22 Public Charging Ports

Mixed-speed EV charging for a tribal travel stop near Ramona.

Six dual-port 100 kW ChargeTronix DC fast chargers and five dual-port Flux Level 2 pedestals provide 22 public charging ports for local drivers and travelers.



6	100 kW	10	22
DC FAST CHARGERS	POWER PER DC CHARGER	AC LEVEL 2 PORTS	TOTAL CHARGING PORTS

01 CUSTOMER GOAL

The Tribe wanted convenient public charging for gas-station patrons, road-trip travelers, and local drivers.

- DC fast charging for shorter travel stops.
- Level 2 charging for longer visits.
- Expanded charging access for the Tribe and surrounding community.

02 PROJECT DELIVERY

The project team coordinated utility work, underground infrastructure, charging equipment, inspections, networking, and client onboarding.

- Tribal and utility coordination, scanning, trenching, and power/data conduit.
- New utility transformer, 1,200A switchgear, 112.5 kVA step-down transformer, and 300A subpanel.
- Six dual-port 100 kW DCFCs and five dual-port 32A Flux Level 2 pedestals.
- Installed March 30–April 29; energized July 1; commissioned July 21, 2026.

03 RESULT

The Mesa Grande site now offers public mixed-speed charging for the Tribe, travel-stop patrons, and passing drivers.

- 12 CCS1 DC ports and 10 Level 2 ports.
- Fast and longer-stay charging options.
- Charging-revenue and long-term property-value potential.

INFRASTRUCTURE DELIVERY PATH

From utility preparation through commissioning

UTILITY	→	1,200A SWITCHGEAR	→	POWER + DATA	→	6 DCFCs + 5 L2s	→	COMMISSIONING
New utility transformer		277/480V DCFC service		112.5 kVA transformer + 300A subpanel		22 charging ports		Network + onboarding

FIELD CHALLENGE SOLVED

One-month installation met the rebate deadline.

After delayed site grading, the team completed trenching and charger installation from March 30 to April 29 to meet the April rebate cutoff, then coordinated the parking-lot lighting needed for site activation.

BUILT FOR GROWTH

Future tribal energy opportunities

Potential solar, battery storage, and additional EV charging can expand the Tribe's energy infrastructure over time.

PLANNING EV CHARGING FOR A COMMERCIAL PROPERTY?

ChargeTronix coordinates utility requirements, site work, installation, networking, commissioning, and ongoing support.

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