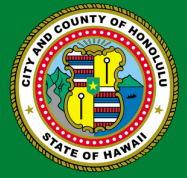


GET YOUR BUILDING READY FOR ELECTRIC VEHICLES



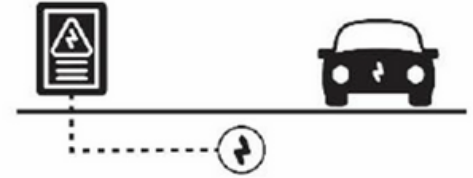
Ordinance 23-25 Compliance Guide

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Ordinance 23-25 (Bill 4 (2023)), adopted in August 2023, adopts the State Energy Conservation Code (2020) as the updated energy code for the City and County of Honolulu. It includes several local amendments to expand access to energy efficiency improvements, solar power and electric vehicles (EV) for O'ahu residents. Amendments include new requirements to **ensure a percentage of new parking stalls built for new residential and commercial construction are EV "ready" or EV-charger-ready.**

What is EV-Charger-Ready?

For construction of new parking stalls at new residential or commercial buildings to be compliant with Ordinance 20-10, the development should be designed and constructed to include **adequate electrical panel capacity and dedicated conduit for a future Level 2 EV-charger at a certain percentage of parking stalls.**



There are two ways you can comply with Ordinance 23-25: 1) **Baseline Compliance Path** or 2) **Alternative Points System.**

1. Baseline Compliance Path

Requirements for Different Building Types

Building Type	EV-Charger-Ready Requirement	Charge Method
Single Family, Duplex, Multi-Family (three stories or less)	Each enclosed attached garage needs a dedicated receptacle for an EV to charge at Level 2	208/240VAC/20-100A Minimum 16A
Commercial (with 12 or more new parking stalls)	25% or more of newly added parking stalls must be EV-ready	208/240VAC/40-100A Minimum 32A
Multi-Unit Residential (with 8 or more new parking stalls)	25% or more of newly added parking stalls must be EV-ready	208/240VAC/40-100A Minimum 32A

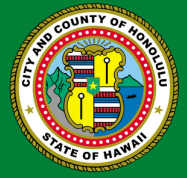
EV-Ready Requirement Exemptions for Certain Building Types

Building Type	EV-Charger-Ready Requirement	Charge Method
Retail (with 12 or more new parking stalls)	20% or more of newly added parking stalls must be EV-ready	208/240VAC/40-100A Minimum 32A
Affordable Housing for sale (with 8 or more new parking stalls)	20% or more of newly added parking stalls must be EV-ready	208/240VAC/40-100A Minimum 32A
Affordable Housing for rent	Full exemption, no EV-ready parking stalls required	N/A

Interested in installing Level 2 EV chargers?

Learn how you can reduce the upfront costs of installing charging equipment through Hawaiian Electric's Charge Up Commercial Pilot Program. Visit <https://www.hawaiianelectric.com/products-and-services/electric-vehicles/charge-up-commercial> for details.

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2. Alternative Points System

Builders of new commercial or multi-unit residential developments also have the option to meet EV-Ready requirements by using an alternative points system to offer flexibility for unique project sites to provide EV-ready access, as well as balance EV access needs for residents or customers today and tomorrow. The points system gives flexibility to install fewer EV-ready parking stalls if the EV-ready stalls built are in common area parking or if an EV charger (EVSE) is installed for customers or residents to use.

How many points do I need?

Ordinance 23-25 requires **1 point for every 4 new parking stalls provided** for residential multi-unit, commercial, retail, and affordable housing developments for sale based on the EV-charger-ready options and values listed in Table C406.8.2.

For residential multi-unit and commercial buildings: Compliance Points needed = # of new parking stalls ÷ 4

For retail and affordable housing for sale: Compliance Points needed = (# of new parking stalls ÷ 4) x 0.8

When computation of the # of required EV-ready stalls results in a fraction of 0.5 or greater, the number of required EV-ready stalls will be the next highest whole number.

What type of chargers can I install?

Building Type	EV-Charger-Ready Options					Additional Options via Points System	
	Level 2, Minimum 16A	Level 2, Minimum 32A	Level 2, 64A-80A	DCFC 50kW	Dedicated EV Ready Stalls	Common Area EV Ready Stalls	Common Area Stall w/ EVSE Installed
Single Family, Duplex, Multi-Family (less than three stories)	✓				✓		
Commercial and Multi-Unit Residential		✓	✓	✓	✓	✓	✓
Retail		✓	✓	✓	✓		✓

How do I earn points?

EV Charger Capacity Level	Table C406.8.2 Compliance Points		
	Dedicated EV Ready Stalls	Common Area EV Ready Stalls	Common Area Stall w/ EV Charging Equipment Installed
Level 2, Minimum 16A	1 (in enclosed attached garage)	N/A	N/A
Level 2, Minimum 32A	1	4	7
Level 2, 64A to 80A	1	7	14
DCFC 50 kW	1	25	50

You can also aggregate points over multiple projects, provided that for each individual project, no less than 10% of newly added parking stalls are EV-ready or there is a minimum of one EV-ready parking space per project, whichever is **greater**. For example, a developer with multiple projects could decided to allocate the 35 required points across four projects, while meeting minimums for individual projects, as follows:

Building Name	Building Type	# of Parking Stalls	EV-ready Requirement	Charge Method	Points Required Under Baseline Compliance	Type of Project Minimum Used	Points Developer Deploys Under Points System
Building A	Multi-Family	10	25%	16A Minimum	2.5	10%	1
Building B	Commercial	50	25%	32A Minimum	12.5	10%	5
Building C	Retail	50	20%	32A Minimum	10	10%	5
Building D	Affordable Housing For Sale	50	20%	32A Minimum	10	(1) EV-charger Ready Stall	24
Subtotal					35		35

While the overall intent is to provide flexibility for project designs to meet the needs of the building users, **there may be additional design considerations when choosing the Alternative Points System compliance path**, particularly when EV-ready or EVSE stalls are placed in common areas for more points. Additionally, Ordinance 23-25 requires that that equipment mounted on pedestals, lighting posts, bollards, or other devices at electric vehicle charging stations must be designed and located so as **not to impeded pedestrian, bicycle, or wheelchair movement, or create safety hazards**.

Please see [Ordinance 23-25](#) for complete requirements.

For questions, contact the Department of Planning and Permitting at (808) 768-8259 or info@honoluluodpp.org.

For more information, contact the Office of Climate Change, Sustainability and Resiliency at (808) 768-2277 or ResilientOahu@honolulu.gov.