

HB23-1233 Electric Vehicle Charging and Parking Requirements

NRDC testimony

March 29, 2023

Thank you Chair Kipp and members of the Energy & Environment Committee for reviewing this testimony.

I am writing in support of HB23-1233 to ensure that our buildings and homes are equipped for the future. Electric vehicles are an essential piece of our fight against climate change and air pollution, and they help lower household transportation costs. This bill helps ensure that more people can drive electric vehicles by having access to charging at their homes, places of work, and other destinations.

In particular, the bill accelerates when EV readiness requirements for new construction of multi-family housing will be included in the electrical code. This part is critical for three reasons: 1. We know most EV charging will happen overnight at people's home, 2. People living in multifamily housing often have greater barriers to installing EV charging, and 3. The cost of including EV readiness during construction is much more cost-effective than retrofitting later.

The Energy Code Board has been working diligently to craft strong EV readiness standards for new construction, after months of conversation among the experts on the Board and reviewing stakeholder input. Putting the multifamily requirements that the Board develops into the electrical code early next year will ensure that more homes are ready for future residents and their EVs.

We support other elements of the bill too, including making sure EV owners can park their cars, while not forcing the construction of additional parking.

Recently, multiple state agencies released an update to the State's EV plan, which includes ambitious goals for 70% of new vehicle sales to be electric by 2030, and adoption of light duty vehicles reaching 2.1 *million* vehicles by 2035. Additionally, the State is proposing legislation to expand and extend tax credits for EVs. Colorado is preparing for a future of EVs. This bill includes commonsense requirements to ensure that more people can charge and park electric vehicles without unnecessary burdens.

Alana Miller
Colorado Policy Director
Climate and Clean Energy Program
NRDC (Natural Resources Defense Council)

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Alana Miller
Colorado Policy Director
Climate and Clean Energy Program
NRDC (Natural Resources Defense Council)

March 29, 2023

Submitted electronically

Colorado House Energy & Environment Committee
200 E. Colfax Avenue
Denver, Co 80203

RE: CO HB23-1233

Dear Chair Kipp, Vice Chair Willford and House Energy & Environment Committee members:

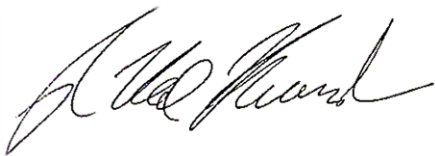
Tesla supports Colorado's efforts to address climate change and transportation related emissions by supporting the adoption of electric vehicles (EVs). My apologies for not being able to provide oral comment due to previous engagements. HB 1233 contains a host of measures important to address barriers to EV adoption. Tesla's mission is to accelerate the world's transition to sustainable energy. To accomplish our mission, Tesla manufactures battery electric vehicles, energy products including solar and stationary battery storage from residential to utility scale, and both DC-fast charging and level 2 charging options. In Colorado, our DC-fast charging network, the Tesla Supercharger, consists of 38 locations with 312 charging ports.

We urge your support for HB 1233 to help reduce the cost of future EV charging for Colorado multifamily dwelling residents and accelerate the adoption of EVs for all.

Compared to single-family homes, the cost and complexity to retrofit an existing building with EV charging can be significant for those in multiunit dwellings. Multifamily unit occupants must navigate a myriad of obstacles from coordinating with the building owner or association, to overseeing utility and electrical site work, and gaining approval to construct in shared spaces, increasing costs and creating added barriers. Planning for and providing electric vehicle infrastructure readiness in new construction is significantly less expensive than in retrofits. A study analyzing the cost implications of California's EV infrastructure building codes found that each EV capable parking space installed in a multiunit dwelling during new construction saves \$2,040 - \$4,635 over the retrofit scenario.¹ As building lifetimes can be over a hundred years or more, HB 1233 begins to address these barriers through the adoption of electrical codes requiring various levels of EV charging readiness.

Thank you for the opportunity to support HB 1233 to reduce the cost of future electric vehicle (EV) charging for Colorado residents and accelerate the adoption of EVs, particularly for those living in multifamily buildings.

Respectfully submitted,



Thad Kurowski

Public Policy & Business Development

¹ <https://caletc.aodesignsolutions.com/assets/files/CALGreen-2019-Supplement-Cost-Analysis-Final-1.pdf>



March 29, 2023

Chair Kipp and Members of the House Energy & Environment Committee,

Advanced Energy United is pleased to express our **support** for HB23-1233 (Electric Vehicle Charging and Parking Requirements). This bill provides practical, consistent planning direction and reasonable protections that build upon existing law and strengthen the state's commitment to ensuring drivers have dependable, convenient, and equitable access to electric vehicle (EV) charging wherever they reside, work, and recreate.

Advanced Energy United is a national association of businesses dedicated to transforming public policy to enable a prosperous world that runs on clean, secure, affordable energy. We are comprised of over 100 companies both large and small across the technology spectrum, including energy efficiency, solar, wind, storage, biofuels, electric vehicles of all sizes and associated charging solutions, demand response, advanced metering, and enabling software.

Advanced Energy United appreciates this bill's proactive focus on reducing roadblocks to an equitable, managed expansion of accessible charging infrastructure as consumer demand for EVs continues to surge. EVs comprise more than 10% of new vehicle sales in Colorado today, and that market share is only expected to grow exponentially over the next several years as new federal incentives, stacked with state tax credits and programs, hasten the appeal, feasibility, and affordability of these vehicles for more consumers. As EVs become the more mainstream, economic choice for more households and businesses, readily available charging infrastructure must keep pace with the expectations of the growing number of EV drivers on the road. Maintaining consumer confidence and trust among current and prospective EV drivers that their charging needs can conveniently be met at home or other frequent parking destinations will be vital to diversifying the reach of EVs as the state makes headway on its goal of nearly 2.1 million EVs by 2035.

Laudably, HB 1233 also seeks to narrow the gap on disparities in access to reliable at-home EV charging by ensuring that renters are not unfairly disincentivized or put at a disadvantage for their choice to buy or lease an EV due to scarce charging options where they reside. This bill provides additional certainty that going forward, new multi-family buildings are prepared to accommodate the anticipated parking and electricity needs of EVs owned or leased by tenants.

Finally, this bill promotes responsible planning and future-proofing to contain long-term and capital costs. It is well-documented that incorporating EV-capable parking spaces into building design and construction at the onset provides significantly more cost savings for property developers and owners than performing retrofits and rewiring after-the-fact. HB1233 has the practical foresight of getting ahead of the infrastructure needs commensurate with the anticipated ramp in mass adoption over the next 5-10 years as more Coloradans are motivated and able to drive EVs as their vehicle of choice.

For all these reasons, we respectfully request your “YES” vote on **HB22-1233**.

Sincerely,

Emilie Olson, Sr. Policy Principal
Advanced Energy United





March 22, 2023

House Energy & Environment Committee
Colorado General Assembly
200 E. Colfax Avenue
Denver, CO 80203

Re: HB23-1233 Electric vehicle charging & parking requirements

Dear Members of the House Energy & Environment Committee:

My name is Ann Sutton, living in Westminster CO. This testimony represents the position of the League of Women Voters of Colorado (LWVCO) in support of this bill to assure the availability for use of EV charging systems installed in multi-family rental properties, in common interest properties, and in parking provided on public property as regulated by municipal and county governments.

In Colorado, the transportation sector is a major source of greenhouse gas pollution (GHG).

Community members who have the resources to install individual EV (or hybrid EV) charging systems and are willing to share these charging installations with other EV drivers should be encouraged to do so and not have unreasonable limits placed on their own or others' fair use of this solution for preventing air pollution and GHG emissions.

Global warming is a problem that requires community actions. The urgency for action is more apparent each day. It is unconscionable that a rental property owner or homeowners association would seek to prevent the good-faith efforts of individual citizens to fight vehicular pollution.

Further, it is unacceptable for local and county governments to discourage installation of EV charging systems and thereby discouraging the public from driving EV because of uncertainty about available charging. We support the clarifications within this bill that will satisfy objections to EV charging system installations based on perceived loopholes in governments' obligations to provide adequate parking.

We must have confidence in our local and county governments to provide for the best interests of our communities in fighting air pollution in all its forms.

LWVCO supports this bill as enabling part of the solution for reducing global-warming GHG pollution and reducing other air pollution that results from burning of fossil-fuels for transportation.

We thank the sponsors for bringing this timely initiative to the legislature and thank the Committee for its careful consideration.

Sincerely,

A handwritten signature in blue ink that reads "Ann Sutton". The signature is written in a cursive style and is placed on a light blue rectangular background.

Ann Sutton Volunteer Lobbyist
League of Women Voters of Colorado
1410 Grant Street, Suite B-204
Denver, CO 80203



March 22, 2023

CREC Supports HB23-1233

Dear HB 1233 Sponsors Rep. Tish Mauro, Rep. Alex Valdez, Rep. Kevin Priola, Senator Faith Winter, and Committee members:

Thank you for HB23-1233 regarding EV Charging and Parking Requirements. The Colorado Renewable Energy Society (CREC) – with thousands of commercial and individual members throughout the state – is a science-based nonpartisan nonprofit. The CREC Policy Committee brings together a broad range of energy policy and technology experts who review energy bills before the Colorado state legislature to provide our perspective on proposed legislation. Our organization's Policy Committee has unanimously approved sending you this letter.

It's very important for DOLA's Electrical Board to broaden access to EV charging for *all* Coloradans, including residents who have few economic resources. This bill requires the Electrical Board to adopt rules facilitating EV charging at multifamily buildings where lower-income residents are likely to live. The bill prevents the Electrical Board from prohibiting installation of EV charging stations; from allowing private entities to frustrate EV charging chargers and parking spots; and from allowing local governments to discourage EV proliferation with local impediments. Further, the bill exempts EV chargers from business property tax, and authorizes EV charging systems along highway rights-of-ways.

We urge all members of HB 1233's assigned Committees – Energy & Environment in the House, and likely Transportation & Energy in the Senate – to vote YES on this bill that hastens the necessary transformation of our transportation system from dirty & dangerous fossil fuel power to cleaner electrical power. HB 1233 materially helps Colorado to meet the GHG targets specified in the Governor's 'Roadmap;' those targets simply cannot be met without the 1233 directives.

Thanks again to sponsors for bringing this bill forward, and to Committee members for supporting it, and thanks for all you do for Colorado!

Sincerely,

Vincent Calvano

Chair of the Colorado Renewable Energy Society Policy Committee
703-975-6085