



## Local Code Adoption of the Latest Edition of the California Building Standards Code

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## OVERVIEW

### ACCESS TO INFORMATION

- Copy of the proposed amendments, reasons for the changes, and the findings can be found on the Department of Development Services' website at:

<http://www.longbeach.gov/lbds/building/plan-review-services-dev/code/>

## OVERVIEW

### TOPICS OF DISCUSSION

- Background of EV Requirements
- Comparison of EV Ownership Rates
- Proposed EV Amendments
- Next Steps

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## BACKGROUND OF EV REQUIREMENTS

### 2013 Edition CA Green Building Standards (CALGreen) Code

- First introduced EV requirements
- Applicable only to new construction
- 1 EV Capable for new one- and two-family dwellings
- 3% EV Capable for new multifamily dwelling – 17 units
- 3% EV Capable for new nonresidential buildings

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## BACKGROUND OF EV REQUIREMENTS

### 2016 Edition CA Green Building Standards (CALGreen) Code

- Continued EV requirement of the 2013 Edition CALGreen Code
- No change for one-, two-, and multifamily dwellings
- Increases EV requirements for hotels, motels and nonresidential buildings
- 6% EV Capable for new hotels and motels
- 6% EV Capable for new nonresidential buildings

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## BACKGROUND OF EV REQUIREMENTS

### 2016 LB Amendments to the CALGreen Code

- Sustainable City Commission's recommendation 3/24/16
- City Council adopted EV recommendation 11/15/16
- 100% EV Capable for each new multifamily dwelling unit
- 25% EV Capable and 5% EVCS for guest parking
- 30% EV Capable and 10% EVCS for new hotels and motels
- 25% EV Capable and 5% EVCS for new nonresidential buildings

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## BACKGROUND OF EV REQUIREMENTS

### 2019 Edition CA Green Building Standards (CALGreen) Code

- Continued EV requirement of the 2016 Edition CALGreen Code
- First introduce the use of a load management system
- No change for one- and two-family dwellings, hotels and motels, and nonresidential buildings
- Increases EV requirements for multifamily dwellings
- 10% EV Capable for new multifamily dwellings

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## BACKGROUND OF EV REQUIREMENTS

### Considerations for 2019 LB Amendments to the CALGreen Code

- Working with jurisdictions in the greater Los Angeles basin to develop uniform EV requirements
- Proposed recommendations on EV requirements consistent with the LARUCP
- Developers have expressed concerns and challenges each time a new project is developed in the City
- Proposed recommendations must continue effort of sustainability while providing reasonable and practical solutions in achieving that goal

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## COMPARISON OF EV OWNERSHIP RATES

### Number of Electric Vehicle by Location and Year

LOCATION	2015	2016	2019
LONG BEACH	156 (0.45%)	1,172 (0.29%)	2,475 (0.67%)
LOS ANGELES COUNTY	22,822 (0.24%)	30,528 (0.31%)	71,522 (0.84%)
ORANGE COUNTY	9,824 (0.35%)	13,578 (0.47%)	35,411 (1.31%)
SANTA MONICA	824 (0.86%)	1,043 (1.08%)	2,225 (2.61%)
PALO ALTO	1,147 (1.76%)	1,780 (2.67%)	3,697 (5.5%)
CALIFORNIA	98,841 (0.28%)	135,667 (0.35%)	316,585 (0.90%)

Source: CA Dept of Motor Vehicles Bi-Annual Motive Report 7/10/19

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## COMPARISON OF EV OWNERSHIP RATES

### 2016-2019 % Increase of Electric Vehicle

LOCATION	% OF INCREASE
LONG BEACH	111%
LOS ANGELES COUNTY	134%
ORANGE COUNTY	161%
SANTA MONICA	133%
PALO ALTO	107%
CALIFORNIA	133%

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## PROPOSED AMENDMENTS

### CONDITIONS FOR LOCAL AMENDMENT

- Local government amendments under the California Building Standards Law permits local amendments that are reasonably necessary because of local climatic, geological, or topographical conditions provided it is a more restrictive building standards
- Local government amendments under the State Housing Law permits local amendments that are necessary because of local climatic, geological, or topographical conditions provided it is equivalent or a more restrictive building standards

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## PROPOSED AMENDMENTS

### FORMAT OF CODE CHANGE PROPOSAL

- Proposed Amendment
- Rationale
- Findings

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## PROPOSED AMENDMENTS

### LBMC SECTION 18.47.030 AMEND CALGREEN SECTION 4.106.4.2

- Technical change to revise and update % of EV Capable space and EVCS required for new multifamily dwellings
- CALGreen min. 10% EV Capable provided for affordable housing and smaller multifamily dwelling projects

EXISTING	PROPOSED
1 EV Capable space for each unit	25% of total parking to be EV Capable
25% of guest parking to be EV Capable	5% of total parking to be EVCS
5% of guest parking to be EVCS	10% of total parking to be EV Capable for affordable housing and dwelling 17-units

(see attachment document pg. 11)

2019
2,475 (0.67%)

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## PROPOSED AMENDMENTS

### LBMC SECTION 18.47.030 AMEND CALGREEN SECTION 4.106.4.2

- Example: New 50-unit multifamily dwelling, 90 residential parking and 10 guess parking

EXISTING	PROPOSED
50 EV Capable space for residence	25 EV Capable space
3 EV Capable space for guest	5 EVCS
1 EVCS for guess	

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## PROPOSED AMENDMENTS

### **LBMC SECTION 18.47.040 AMEND CALGREEN SECTION 4.106.4.3**

- Technical change to revise and update % of EV space and EVCS required for new hotels and motels
- Parking lots with 9 or fewer spaces are exempt

EXISTING	PROPOSED
30% of total parking to be EV Capable	30% of total parking to be EV Capable
10% of total parking to be EVCS	10% of total parking to be EVCS
	Exempt if < 10 parking spaces

(see attachment document pg. 13)

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## PROPOSED AMENDMENTS

### **LBMC SECTION 18.47.060 AMEND CALGREEN SECTION 5.106.5.3.3**

- Technical change to revise and update % of EV space and EVCS required for new nonresidential buildings
- Parking lots with 9 or fewer spaces are exempt

EXISTING	PROPOSED
25% of total parking to be EV Capable	25% of total parking to be EV Capable
5% of total parking to be EVCS	5% of total parking to be EVCS
	Exempt if < 10 parking spaces

(see attachment document pg. 15)

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## NEXT STEPS

### SUSTAINABLE CITY COMMISSION (SCC)

- Respond to and/or incorporate comments by the SCC and members of the public
- Request SCC to support recommendation to the City Council to adopt and amend the latest EV requirements

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## NEXT STEPS

### BOARD OF EXAMINERS, APPEALS AND CONDEMNATIONS (BEAC)

- Respond to and/or incorporate comments by BEAC and members of the public
- Continue public hearings at the next August 19<sup>th</sup> meeting to discuss proposed code amendments
- Request BEAC to support recommendation to the City Council to adopt and amend the latest edition of the California Building Standards Code and Uniform Housing Code

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## NEXT STEPS

### CITY ATTORNEY'S OFFICE (CAO)

- Submit a draft code adoption package consisting of an ordinance, a resolution and a staff report to the CAO during the month of August/September 2019
- The CAO will prepare the official ordinance and resolution, including any necessary CEQA Negative Declaration or Categorical Exemption, as appropriate

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## NEXT STEPS

### CITY COUNCIL (CC)

- Schedule hearing with the CC for 1st and 2nd reading during the month of October/November 2019
- Submit CC approved ordinance and resolution to the California Building Standards Commission for final approval during the month of December 2019
- Implement the adopted codes starting January 1, 2020

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## CONCLUSION

- Open for question/discussion from the SCC members
- Open for question/discussion from the public members

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# Thank you

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