



# *CITY COUNCIL AGENDA REPORT*

MEETING DATE: JANUARY 17, 2017

ITEM NUMBER: **PH-1**

**SUBJECT: 2016 CALIFORNIA RESIDENTIAL BUILDING CODE WIND SPEED REVISION**

**DATE: JANUARY 10, 2017**

**FROM: DEVELOPMENT SERVICES DEPARTMENT**

**PRESENTATION BY: RON BEEHLER, INTERIM BUILDING OFFICIAL  
SHERI VANDER DUSSEN, INTERIM ASSISTANT  
DIRECTOR  
DEVELOPMENT SERVICES DEPARTMENT**

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## **RECOMMENDATION:**

1. Introduce for first reading the attached ordinance to update the Costa Mesa Municipal Code Section 5-1.3c to reflect climatic and geographic design criteria applicable for the design of residential structures within the City.

## **BACKGROUND:**

As required by Section 17958 of the California Health and Safety Code, the City Council approved the second reading of the ordinance adopting the 2016 California Building Codes on December 6, 2016, following introduction of the ordinance on November 15, 2016. Section R301.2.1 of the 2016 California Residential Code requires each municipality to specify the Ultimate Wind Speed applicable for the design of residential structures and to identify whether there exists Special Wind Regions or Wind Borne Debris Zones within the community. Section R301.2 of the 2016 California Residential Code requires local jurisdictions to establish climatic and geographic design criteria as indicated in California Residential Code Table R301.2(1). The Ultimate Wind Speed as identified in the 2016 California Residential Code for the City of Costa Mesa is 110 mph. Specifying an Ultimate Wind Speed of 110 mph in Table R301.2(1) will result in no net increase to the loads and forces utilized for building design as compared to the previously adopted 2013 California Residential Building Code. There are no Special Wind Regions or Wind Borne Debris Zones within the City of Costa Mesa. All other information included in Table R301.2(1) is unchanged.

## **FISCAL REVIEW:**

The proposed updates to Municipal Code Section 5-1.3c, Table R301.2(1) will not have any fiscal impact on the City's budget.

**LEGAL REVIEW:**

The City Attorney has approved the attached ordinance as to form.

**ALTERNATIVES CONSIDERED:**

The recent statewide adoption of the 2016 California Residential Code requires that this table be included in the building codes adopted by each municipality.

**CONCLUSION:**

Staff recommends that the City Council adopt the proposed ordinance to be in compliance with the requirements of the 2016 California Residential Code by updating the Municipal Code to specify the correct Ultimate Wind Speed to be used for design of residential structures and to clarify that no Special Wind Regions or Wind Borne Debris Zones exist within the City of Costa Mesa.

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JAY TREVINO, AICP  
Development Services Department Consultant

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RON BEEHLER, SE, CBO  
Interim Building Official

**ATTACHMENTS:**

1. [Current and Proposed Municipal Code Section 5-1.3c, Table R301.2\(1\)](#)
2. [Ordinance updating Municipal Code Section 5-1.3c, Table R301.2\(1\)](#)