

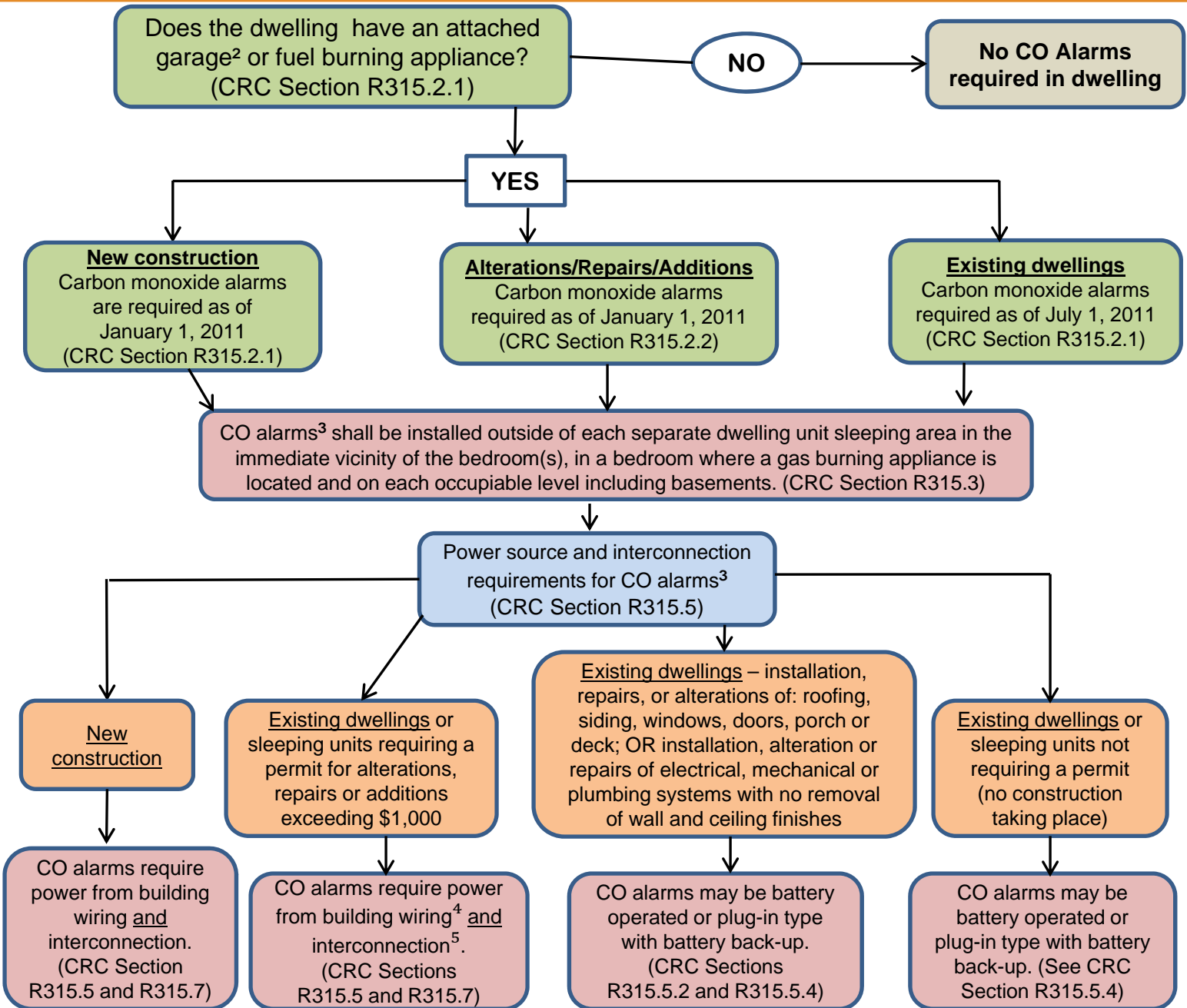
Planning & Development  
Building & Safety Division

**GUIDELINE: Carbon Monoxide Alarm Requirements in Single Family Dwellings<sup>1</sup>**

**ISSUE DATE:** July 01, 2012

**REVISION DATE:** April 17, 2019

**NOTE:** This guideline is intended to enhance local consistency in application and enforcement of the 2016 California Residential Code (CRC). Application of this guideline is project specific and does not authorize any violation of local or state code, ordinance or law in conjunction with the proposed work



1. Buildings that contain one or two dwelling units, townhouses, congregate residences with 16 or fewer persons.
2. Carports open on at least two sides are not considered attached garages.
3. Single station carbon monoxide alarms compliant with UL 2034, or carbon monoxide detectors used in detection systems compliant with UL 2075 must be approved and listed by the State Fire Marshal.
4. Since knob-and-tube wiring does not have an equipment grounding conductor and has a much lower insulation heat range than newer wiring types, existing buildings equipped with knob-and-tube wiring may have solely battery powered CO alarms..
5. Per CRC Section R315.5.4 and R315.7 Hardwiring and interconnection is not required in existing dwelling units where:
  - A. No construction is taking place
  - B. Repairs do not result in the removal of wall and ceiling finished and no previous method of interconnection existed
  - C. Repairs or alterations are limited to exterior surfaces
  - D. Work is limited to the installation, alteration or repair of plumbing, mechanical, or electrical systems, which do not result in the removal of interior wall or ceiling finishes exposing the structure.