

GHG EMISSION COMPLIANCE CHECKLIST

The City of Pleasanton has adopted the Climate Action Plan (CAP) 2.0 that establishes 2030 and 2045 greenhouse gas (GHG) emissions targets. The CAP 2.0 includes specific strategies and actions to reduce emissions to 4.11 MTCO_{2e} per capita by 2030 (70 percent below 1990 levels) and provide substantial progress towards carbon neutrality by 2045. This is consistent with and exceeds California's goal of reducing GHG emissions to 40 percent below 1990 levels (per Senate Bill 32) by 2030 and neutrality (per Executive Order B-55-18) by 2045.

Pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15183.5, a lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if it complies a previously adopted plan. The CAP 2.0 is considered a "qualified" GHG reduction strategy and provides CEQA streamlining for future development that are subject to discretionary review and trigger environmental review pursuant to the CEQA. The purpose of the following GHG Emission Compliance Checklist (herein referred to as "Checklist") is to assist with determining CAP 2.0 consistency for a future development project or plan (herein referred to as the "Project").

The CAP 2.0 includes actions that are both mandatory and voluntary actions, both contained in this Checklist. While mandatory actions that are required, voluntary actions are encouraged. Funding may be available for certain efforts as noted in the Checklist. Projects that are consistent with the CAP 2.0, as determined using this Checklist, may rely on the programmatic CAP 2.0 Initial Study-Negative Declaration GHG emissions analysis for the respective project- and cumulative-level GHG emissions impacts analysis. Inconsistency with any of the applicable mandatory actions in this Checklist would make a Project inconsistent with the overall Checklist. **Projects that are identified as inconsistent with the CAP 2.0 through the use of this Checklist must prepare a project-specific analysis of GHG emissions, including quantification of existing and projected GHG emissions compared to the [City's approved GHG thresholds](#). Said projects must still incorporate CAP 2.0 actions in this Checklist to the extent feasible.**

This Checklist may be periodically updated to incorporate new GHG reduction techniques, to comply with later amendments to the CAP, or to reflect changes in other sustainability-focused local, State, or federal laws, regulations, ordinances, and programs.

Checklist Applicability

The Checklist includes a column with the applicable regulation, project type, requirements, Project compliance, and explanation. The **Project Type** column of the Checklist indicates regulation applicability based on project type. Project types include:

- Renovations and additions
- New construction (which includes any new buildings irrespective of existing development on a lot as well as any development on a vacant lot)
- A development plan/planning document

- Covered Projects which includes:
 1. Construction of any City-Sponsored project
 2. Construction of any new commercial/industrial building
 3. Construction of any new residential unit(s) or mixed-use project
 4. Renovation/Additions of any commercial or City-sponsored project that adds 20,000 gross square-feet or greater (but not including a renovation to a project that consists solely of interior improvements to existing buildings)
 5. Additions to any residential project that are 2,000 gross square-feet or greater
 6. Addition to any residential project of any size if it has been less than five years from the date of certificate of occupancy for original structure.
- All projects (which includes all the above listed project types)

It is possible for a project to fit multiple project types and all applicable regulations must be met.

All Project applicants should complete the **Compliance** column for each regulation (i.e., indicate yes, no, or N/A). The **Explanation** column should note the plan sheets where the action is shown in plan set, if applicable. It should also provide an explanation if it will not be achieved.

Submittal Requirements

This Checklist is required to accompany discretionary applications submittals as detailed in submittal requirement handouts. The Checklist is designed to assist the applicant in identifying the minimum CAP 2.0 and other applicable climate-focused requirements specific to a Project. However, it may be necessary to supplement the completed Checklist with supporting materials, calculations, or certifications to demonstrate compliance with CAP 2.0 and other requirements. If the minimum CAP 2.0 and other applicable climate-focused requirements are not already clearly committed to as part of the Project, the mandatory actions will be included as respective project conditions of approval.

Please note, cumulative GHG emissions associated with construction from a land use development project are generally orders of magnitude lower than the operational emissions from a project because construction emissions are generally short in duration compared to the project's overall lifetime, and thus can be assessed qualitatively as part of related CEQA GHG emissions analysis. However, some projects may have long construction periods or entail large quantities of cut and fill that could result in construction related GHG emissions that may be considered significant. Thus, the City retains the discretion on a project-by-project basis to consider whether a project's construction-related GHG emissions could be cumulatively considerable and require more detailed quantitative CEQA GHG emissions analysis and respective mitigation. The City also retains discretion to require additional analysis of GHG emissions on a case-by-case basis and require additional climate mitigations.

Regulation	Project Type	Requirements	Compliance	Required Explanation
Land Use				
Green Building Standards				
CALGreen Code	New Construction and Additions	3. Green Building. Will the Project comply with the latest version of mandatory measures in the CALGreen Code (non-residential and residential)? The CALGreen checklist is required at Building Permit submittal.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
Municipal Code	Covered Projects ¹	4. Green Building. Will the Project comply with the Pleasanton Municipal Code Chapter 17.50 including achieving LEED certification or achieving a “green home” rating with Build It Green as detailed in 17.50?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
CAP 2.0 (P11)	New Construction	5. LEED Neighborhood. If the project is neighborhood scale, does it incorporate elements of LEED ND ? Provide the LEED ND checklist indicating which elements of Smart Location & Linkage, Neighborhood Pattern & Design, Green Infrastructure & Building, and Innovation & Design Process are achieved.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____

¹ Covered Projects include: 1) Construction of any City-Sponsored project; 2) Construction of any new commercial/industrial building; 3) Construction of any new residential unit(s) or mixed use project; 4) Renovation/Additions of any commercial or City-sponsored project that adds 20,000 gross square-foot or greater (but not including a renovation to a project that consists solely of interior improvements to existing buildings); 5) Additions to any residential project that is 2,000 gross square-foot or greater; and 6) Addition to any residential project of any size, if it has been less than five years from the date of certificate of occupancy for original structure.

Energy

Energy Efficiency

CAP 2.0 (S2)	Additions and Renovations	<p>6. Energy Efficiency Upgrades. Will the Project install energy efficient window upgrades, LED lighting, and other efficiency upgrades. Rebates and financing may be available. <i>Voluntary</i></p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
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Renewable Energy

CAP 2.0 (P4)	Covered Projects	<p>7. Solar. Will the Project include installation of a solar PV system at time of new construction that meets the power needs of the new building? Indicate the plan sheet(s) where solar information is provided.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
CAP 2.0 (P4)	Covered Projects	<p>8. Energy Storage System. When solar is being installed, will the Project include a battery storage back-up system? Indicate the plan sheet(s) where battery storage information is provided.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
CAP 2.0 (P4)	All Projects	<p>9. Water Heater. If a new water heater is being installed, will the Project include installation of a solar water heater? <i>Voluntary</i></p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____

Building Electrification

CALGreen Code	New Construction	10. All-Electric. Will the Project be all-electric (i.e., does not include any new gas infrastructure), including lighting, heating, cooking, and water heating? ²	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
CAP 2.0 (P2)	Additions and Renovations	11. All-Electric Existing Buildings. Will the Project upgrade existing residential and commercial buildings to be all-electric (e.g., air source heat pumps, heat pump water heaters, electric dryers, and induction stoves)? Rebates may be available. <i>Voluntary</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
CAP 2.0 (S1)	All Projects	12. Refrigerant Management. If new heating, ventilation, and air conditioning (HVAC) systems are being installed, does the project incorporate the lowest global warming potential (GWP) refrigerants for HVAC systems? <i>Voluntary</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____

² The Building Code includes limited exceptions including to commercial kitchens with a business-related need to cook with combustion equipment; industrial processes for labs, research, or educational related needs; and/or if the applicant establishes that there is not an all-electric prescriptive compliance pathway for the building under the California Building Energy Efficiency Standards and that the building is not able to achieve the performance compliance standard applicable to the building under the Energy Efficiency Standards.

Vehicle Electrification

CALGreen Code	New Construction	<p>13. EV Charging. Will the Project install electric vehicle charging infrastructure as follows:</p> <ul style="list-style-type: none"> • <u>SFR</u>: Two Level 2 EV Ready³ spaces per unit • <u>ADU</u>: One Level 1 EV Ready space per unit (where parking is provided). • <u>Multi-family</u>: 15-percent of dwelling units shall provide one Level 2 EVCS⁴ space, and 85-percent of dwelling units shall provide one Level 2 EV Ready⁵. • <u>Offices</u>: 20-percent of required parking spaces shall be Level 2 EVCS, and 30-percent shall be Level 2 EV Capable⁶. • <u>Hotels</u>: 5-percent of required parking spaces shall be Level 2 EVCS, 25-percent shall be Level 2 EV Ready, and 10-percent shall be Level 2 Capable. • <u>All other non-residential</u>: 10-percent of parking spaces shall be Level 2 EVCS, and 10-percent shall be Level 2 EV Capable. <p>Indicate the plan sheet(s) where EV Charging information is provided.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
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³ EV Ready includes: Installation of raceway, adequate panel capacity, dedicated branch circuit, circuit breaker, and electrical components (e.g., 240-volt outlet). Level 2 must be capable of 8.3 kVa (208/240 volt, 40 amp), Low Level 2 must be capable of 4.1 kVa (208/240 volt, 20 amp), and Level 1 must a minimum of 2.2 kVa (110/120 volt, 20-amp).

⁴ EVCS includes: Installation of raceway, adequate panel capacity, dedicated branch circuit, circuit breaker, and electrical components (e.g., 240-volt outlet). and vehicle supply equipment.

⁵ Five Level 2 and/or Level 1 spaces can be substituted for each direct current fast charging (DCFC) station provided (i.e., a DCFC is a minimum of 48 kVA- 480 volt, 100-amp).

⁶ EV Capable includes: Conduit installed and adequate panel capacity installed to accommodate future installation of a dedicated circuit and charging station.

Transportation

Alternative Transportation

CAP 2.0 (P10) and Municipal Code (17.26)	New Construction (Commercial and Multifamily)	<p>14. Transit Connections. Will the project provide transit incentives as follows:</p> <ul style="list-style-type: none"> • <u>Multi-family</u>: Comply with Municipal Code Chapter 17.26. <i>Mandatory</i> • <u>Non-residential</u>: If not proximate to transit stops, connect to transit via shuttle service, bike share, or other provided amenity to increase transit ridership. <i>Voluntary</i> 	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
Municipal Code (18.88)	All Projects (Commercial and Multi- family)	<p>15. Alternative Vehicle Parking. Will the Project comply with Pleasanton Municipal Code Chapter 18.88 related to parking spaces designed to accommodate carpool, vanpool, and car-share vehicles? Indicate the plan sheet(s) where alternative vehicle parking information is provided.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____

Active Transportation

CAP 2.0 (P8)	New Construction (Commercial and Multi- family)	<p>18. Bicycle Amenities. Will the Project include bicycle parking and/or protected bicycle storage as follows:</p> <ul style="list-style-type: none"> • <u>Multi-family</u>: One short term bicycle parking space for every 3 units (minimum of two spaces); and one long-term space (e.g., lockers, shared/locked cages, etc.) for every 3 units. • <u>Non-residential</u>: Two short term bicycle parking spaces (e.g., bicycle racks) for each 9,000 square-feet of gross floor area (minimum of two spaces); and one long-term bicycle parking space (i.e., bicycle locker, enclosed storage, or racks within building) for each 9,000 square-feet of gross floor area 	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
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		<p>Additionally, for <u>offices</u>- will the Project include showers and changing areas as follows:</p> <ul style="list-style-type: none"> • One shower facility for projects between 10,000 and 24,999 square-feet, two shower facilities for projects between 25,000 and 124,999, and four shower facilities for projects over 125,000 square feet. • One dressing area per shower facility <p>Indicate the plan sheet(s) where bicycle amenities information is provided.</p>		
Waste				
<i>Materials Recycling & Composting</i>				
Municipal Code (9.21)	New Construction and Additions/Alterations ⁷	<p>19. Landfill Diversion. Will the Project comply with Municipal Code Chapter 9.21 and achieve recycling or reuse of at least 90 percent of Portland cement concrete and asphalt concrete and at least 75 percent of the remaining construction and demolition debris, or the percentage established by the compliance official for a project pursuant to an exemption, of the total construction and demolition debris?</p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<hr/> <hr/> <hr/> <hr/>
Pleasanton CAP 2.0 (Strategy MC-1) and Municipal Code (9.20)	New Construction	<p>20. Waste Requirements. Will the Project provide adequate recycling, compost, and landfill containers to meet SB 1383 and comply with Municipal Code Chapter 9.20? Indicate the plan sheet(s) where waste container information is provided.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<hr/> <hr/> <hr/> <hr/>

⁷ All residential additions that create an increase in conditioned area, non-residential additions greater than 1,000 square-feet, demolition with a total value of \$25,000 or greater, and/or non-residential alternations/renovations with a total value of \$125,000 or greater.

Green Materials

CAP 2.0 (S6)	All Projects	21. Embodied Carbon. Will the Project include low carbon building materials (e.g., recycled concrete and metals) as part of construction? <i>Voluntary</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<hr/> <hr/> <hr/> <hr/>
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Water

Water Use Efficiency

CAP 2.0 (P15)	All Projects	22. Water Conservation. Will the Project incorporate water-efficiency measures, including efficient water fixtures and climate adapted plantings? Rebates may be available. <i>Voluntary</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<hr/> <hr/> <hr/> <hr/>
Municipal Code (17.14) and State WELO	All Projects	23. Water Efficient Landscape. If the project includes new landscape areas of greater than 500 square-feet or rehabilitated landscape areas of greater than 2,500 square-feet, will the Project comply with Municipal Code Chapter 17.14 and implement the City's Water Efficient Landscape Ordinance (WELO)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<hr/> <hr/> <hr/> <hr/>

Water Recycling

CAP 2.0 (S8)	All Projects	24. Green Stormwater Infrastructure. Will the Project incorporate green roofs, rainwater catchment, permeable pavement, bioretention areas, and/or other green stormwater infrastructure? <i>Voluntary</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<hr/> <hr/> <hr/> <hr/>
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SF Bay Region Requirements	All Projects	25. Stormwater Management. For projects creating and/or replacing more than 2,500 square-feet of impervious surface, will the Project incorporate on-site stormwater management consistent with the NPDES permit and City stormwater management requirements?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
Overall Sustainability				
Urban Forest				
CAP 2.0 (P13)	All Projects	26. Tree Planting. If planting is proposed, will the Project include climate-adapted plantings? If trees are removed, will the Project include replacement climate-adapted trees? Indicate the plan sheet(s) where tree information is provided.	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____
Wildfire Prevention				
CAP 2.0 (S9)	All Projects	27. Wildfire Prevention and Preparation. Will the Project incorporate a wildfire-defensible space , fire hardening retrofits , and commit to fire prevention through site maintenance (e.g., regularly cleaning out rain gutters) and preparation? <i>Voluntary</i>	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	_____ _____ _____