

CLIMATE ACTION PLAN CONSISTENCY CHECKLIST P-30



PURPOSE

In September 2015, the City of Carlsbad adopted a Climate Action Plan (CAP) that outlines actions that the city will undertake to achieve its proportional share of state greenhouse gas (GHG) emissions reductions. This checklist contains measures that are required to be implemented on a project-by-project basis to ensure that the specified emissions targets identified in the Climate Action Plan (CAP) are achieved. Implementation of these measures will ensure that new development is consistent with the CAP's assumption for relevant CAP strategies toward achieving the identified greenhouse gas (GHG) reduction targets. In this manner, a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the CAP, in accordance with CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b).*

*City staff are currently not assessing the greenhouse gas impacts of California Environmental Quality Act projects by using the Climate Action Plan as a qualified GHG reduction plan under CEQA section 15183.5(b). Please consult with the Planning Department for further guidance. Additional information may be found on the Climate Action Plan Update and Vehicle Miles Traveled calculations [staff report](#).

This checklist is intended to assist project applicants in identifying CAP ordinance requirements and demonstrate how their project fulfills those requirements. This checklist is to be completed and included in applications for new development projects that require discretionary review. The specific applicable requirements outlined in the checklist shall be required as conditions of project approval for CAP compliant projects with streamlined GHG emissions assessments. This checklist (i.e. Form P-30) is complementary to the checklist provided in Form B-50, which is specific to building permits and required for building permit applications.

APPLICATION SUBMITTAL REQUIREMENTS

- The completed checklist must be included in the project submittal package or building permit application. Application submittal procedures can be found on the City of Carlsbad [website](#). This checklist is designed to assist the applicant in identifying the minimum CAP-related requirements specific to their project. However, it may be necessary to supplement the completed checklist with supporting materials, calculations or certifications, to demonstrate full compliance with CAP requirements. For example, projects that propose or require a performance approach to comply with energy-related measures will need to attach to this checklist separate calculations and documentation as specified by the ordinances.
- If an item in the checklist is deemed to be not applicable to a project, or is less than the minimum required by ordinance, an explanation must be provided to the satisfaction of the Planning Division or building official.
- The requirements in the checklist will be included in the project's conditions of approval or issuance of building permit.
- Details on CAP ordinance requirements are available on the city's [website](#).

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STEP 1: LAND USE CONSISTENCY

The first step in determining CAP consistency for discretionary development is to assess the project’s consistency with the growth projections used in the development of the CAP. This section allows the city to determine a project’s consistency with the land use assumptions used in the CAP. Projects found not to be consistent with the CAP’s land use assumptions and that are projected to emit at or above the CAP screening threshold of 900 metric tons of CO₂ equivalent (MTCO_{2e}) GHG will be subject to a project-specific analysis of GHG emissions’ impact on the environment in accordance with the requirements of the California Environmental Quality Act (CEQA). This may result in GHG-reducing mitigation measures applied as a condition of project approval in addition to compliance with the CAP ordinance requirements identified in Step 2 of this checklist.

STEP 1	Land Use Consistency	
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Checklist Item (Check the appropriate box and provide an explanation and supporting documentation for your answer)	Yes	No
<p>A. Is the proposed project consistent with the existing General Plan land use and specific/master plan or zoning designations?</p> <p style="padding-left: 20px;">OR,</p> <p>If the proposed project is not consistent with the existing land use plan and zoning designations, does the project include a land use plan and/or specific plan, master plan or zoning designation amendment that would result in an equivalent or less GHG-intensive project when compared to the existing designations?</p>	<input type="checkbox"/>	<input type="checkbox"/>

If “Yes”, proceed to [Step 2](#) of the checklist. For the second option under Question A above, provide estimated project-related GHG emissions under both existing and proposed designation(s) for comparison. GHG emissions must be estimated in accordance with the City of Carlsbad [Guidance to Demonstrating Consistency with the Climate Action Plan](#).

If “No”, proceed to Question B.

<p>B. The CAP established a screening threshold of 900 MTCO_{2e}/year for new development projects to assist in determining consistency with the CAP. The types and sizes of typical projects listed below have been determined to correspond to the CAP screening threshold. Will the proposed <u>land use change</u> result in the construction of less than any one of the following?</p> <ul style="list-style-type: none"> • <u>Single-Family Housing</u>: 50 dwelling units • <u>Multi-Family Housing</u>: 70 dwelling units • <u>Office</u>: 35,000 square feet • <u>Retail Store</u>: 11,000 square feet • <u>Grocery Store</u>: 6,300 square feet • <u>Other</u>: If the proposed project is not one of the above types, provide a project-specific GHG emissions analysis to determine whether it is below the 900 MTCO_{2e}/year screening threshold. 	<input type="checkbox"/>	<input type="checkbox"/>
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If “Yes”, proceed to [Step 2](#) of the checklist.

If “No”, the project’s GHG impact is potentially significant and must be analyzed in accordance with CEQA. Applicant must prepare a Self-developed GHG emissions reduction program in accordance with the City of Carlsbad [Guidance to Demonstrating Consistency with the Climate Action Plan](#) to demonstrate how it would offset the increase in emissions over the existing designations. The project must incorporate each of the applicable measures identified in [Step 2](#) to mitigate cumulative GHG emissions impacts unless the decision maker finds that a measure is infeasible in accordance with California Environmental Quality Act Guidelines Section 15091. Mitigation in lieu of or in addition to the measures in [Step 2](#) may be required, depending on the results of the project-specific GHG impact analysis. Proceed and complete a project-specific Self-developed GHG emissions reduction program and [Step 2](#) of the Checklist.

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STEP 2: CAP ORDINANCE COMPLIANCE REQUIREMENTS

Completion of this checklist will document a project’s compliance with CAP ordinances, and in turn, demonstrate consistency with the applicable measures and actions of the CAP. The compliance requirements in this Step 2 apply to development projects that require a building permit. All other development projects shall implement all emissions-related mitigation measures from the [General Plan Update EIR](#).

Application Information

Project No./Name: _____

Property Address/APN: _____

Applicant Name/Co.: _____

Applicant Address: _____

Contact Phone: _____ Contact Email: _____

Contact information of person completing this checklist (if different than above):

Name: _____ Contact Phone: _____

Company name/address: _____ Contact Email: _____

Use the table below to determine which sections of the Ordinance Compliance checklist are applicable to your project. If your project includes alterations or additions to an existing building, please contact the Carlsbad Building Division for assistance in estimating building permit valuation, by phone at 760-602-2719 or by email at building@carlsbadca.gov.

Estimated Building Permit Valuation (BPV): \$ _____

Construction Type	Complete Section(s)	Notes:
<input type="checkbox"/> Residential		
<input type="checkbox"/> New construction	2A, 3A and 4A	
<input type="checkbox"/> Alterations:		
<input type="checkbox"/> BPV < \$60,000	N/A	All residential alterations
<input type="checkbox"/> BPV ≥ \$60,000	1A and 4A	1-2 family dwellings and townhouses with attached garages only
<input type="checkbox"/> Electrical service panel upgrade	4A	
<input type="checkbox"/> BPV ≥ \$200,000	1A and 4A	Multi-family dwellings only where interior finishes are removed and significant site work and upgrades to structural and mechanical, electrical, and/or plumbing systems are proposed
BPV ≥ \$1,000,000	2B	Multi-family dwellings only where ≥\$1,000,000 BPV AND affecting ≥75% existing floor area
<input type="checkbox"/> Nonresidential		
<input type="checkbox"/> New construction	1B, 2B, 3B, 4B and 5	

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Alterations:

<input type="checkbox"/> BPV ≥ \$200,000 or additions ≥ 1,000 square feet	1B, 5	
<input type="checkbox"/> BPV ≥ \$1,000,000	1B, 2B and 5	Building alterations of ≥ 75% existing gross floor area
<input type="checkbox"/> ≥ 2,000 sq. ft. new roof addition	2B and 5	1B also applies if BPV ≥ \$200,000

CAP Ordinance Compliance

Checklist Item

Check the appropriate boxes, explain all not applicable and exception items, and provide supporting calculations and documentation as necessary.

1. Energy Efficiency

Please refer to Carlsbad Ordinance No. CS-437 for more information when completing this section.

- A. Residential addition or alteration ≥ \$60,000 building permit valuation. See Ord. CS-437. N/A _____
 Exception: Home energy score ≥ 7 (attach certification)

Year Built	Single-family Requirements	Multi-family Requirements
<input type="checkbox"/> Before 1978	Select one: <input type="checkbox"/> Duct sealing <input type="checkbox"/> Attic insulation <input type="checkbox"/> Cool roof	<input type="checkbox"/> Attic insulation
<input type="checkbox"/> 1978 and later	Select one: <input type="checkbox"/> Lighting package <input type="checkbox"/> Water heating package	
<input type="checkbox"/> Between 1978 and 1990		Select one: <input type="checkbox"/> Attic insulation <input type="checkbox"/> Duct Sealing <input type="checkbox"/> Cool roof
<input type="checkbox"/> 1991 and later		Select one: <input type="checkbox"/> Lighting package <input type="checkbox"/> Water heating package

- B. Nonresidential* new construction or alterations ≥ \$200,000 building permit valuation, or additions ≥ 1,000 square feet. See CALGreen Appendix A5, as amended in CS-437. N/A _____

A5.203.1.1.1 <input type="checkbox"/> Outdoor lighting: .90 Allowed Outdoor Lighting Power	<input type="checkbox"/> N/A _____
A5.203.1.1.2 <input type="checkbox"/> Restaurant service water heating (comply with California Energy Code Section 140.5, as amended)	<input type="checkbox"/> N/A _____
A5.203.1.2.1 Choose one as applicable: <input type="checkbox"/> .95 Energy budget <input type="checkbox"/> .90 Energy budget	<input type="checkbox"/> N/A _____
A5.211.1.** <input type="checkbox"/> On-site renewable energy	<input type="checkbox"/> N/A _____
A5.211.3** <input type="checkbox"/> Green power (if offered by local utility provider, 50% minimum renewable sources)	<input type="checkbox"/> N/A _____
A5.212.1 <input type="checkbox"/> Elevators and escalators	<input type="checkbox"/> N/A _____

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A5.213.1

Steel framing

N/A _____

* Includes hotels/motels and high-rise residential buildings

** For alterations \geq \$1,000,000 BPV and affecting > 75% existing gross floor area, or alterations that add 2,000 square feet of new roof addition: comply with California Energy Code section 120.10 instead.

2. Photovoltaic Systems

- A. Residential new construction. Refer to Carlsbad Ordinance No. CS-437 for requirements, which amends Section 150.1(c) of the CEC for single-family residential; and Section 170.2(d) of the CEC for multi-family requirements. Note: if project includes installation of an electric heat pump water heater pursuant to Carlsbad ordinance CS-447, increase system size by .3kWdc if PV offset option is selected.

Floor Plan ID (use additional sheets if necessary)	CFA	#d.u.	Calculated kWdc*	Exception
				<input type="checkbox"/> _____
				<input type="checkbox"/> _____
				<input type="checkbox"/> _____
				<input type="checkbox"/> _____
Total System Size:			_____ kWdc	

$$\text{kWdc} = (\text{CFA} \times .572) / 1,000 + (1.15 \times \#d.u.)$$

*Formula calculation where CFA = conditional floor area, #du = number of dwellings per plan type
If proposed system size is less than calculated size, please explain.

- B. Nonresidential and hotel/motel new construction; or major alterations to nonresidential, hotel/motels, and multi-family residential \geq \$1,000,000 BPV and affecting \geq 75% existing floor area, or addition that increases roof area by \geq 2,000 square feet. Please refer to Carlsbad Ordinance CS-437 when completing this section.*

Choose one of the following methods:

Gross Floor Area (GFA) Method

GFA: _____ Min. System Size: _____ kWdc

If < 10,000s.f. Enter: 5 kWdc

If \geq 10,000s.f. calculate: 15 kWdc x (GFA/10,000) **

**Round building size factor to nearest tenth, and round system size to nearest whole number.

Time- Dependent Valuation Method

Annual TDV Energy use:*** _____ x .80= Min. system size: _____ kWdc

***Attach calculation documentation using modeling software approved by the California Energy Commission.

* New CEC standards also require battery storage systems meeting the requirements if Reference Joint Appendix JA12 of the CEC.

3. Water Heating

A. Residential new construction

Please refer to Carlsbad Ordinance CS-437 when completing this section.

For systems serving **individual dwelling units** and achieving 60% of energy needed from on-site solar or recovered energy, choose one:

- Single 240-volt heat pump water heater AND compact hot water distribution AND Drain water heat recovery (low-rise residential only)
- Single 240-volt heat pump water heater AND PV system .3 kWdc larger than required.
- Heat pump water heater meeting NEEA Advanced Water Heating Specification Tier 3 or higher.
- Solar water heating system with electric backup that is either .60 solar savings fraction of 40 s.f. solar collectors.
- Gas or propane system with a solar water heating system and recirculation system

Exception: _____

For systems serving **multiple dwelling units** and achieving 60% of energy needed from on-site solar or recovered energy, install a central water-heating system with all of the following:

- Recirculation system
- Solar water heating system that is either:
 - .20 solar savings fraction
 - .15 solar savings fraction, plus drain water heat recovery

Exception: _____

B. Nonresidential new construction

Please refer to Carlsbad Ordinance CS-437 when completing this section.

Water heating system derives at least 40% of its energy from one of the following (attach documentation):

- Solar-thermal
- Photovoltaics
- Recovered energy

Water heating system is (choose one):

- Heat pump water heater
- Electric resistance water heater(s)
- Solar water heating system with .40 solar savings fraction

Exception: _____

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4. Electric Vehicle Charging

A. Residential - New construction and major alterations*

Please refer to Carlsbad Ordinance CS-437 when completing this section.

- One and two-family residential dwelling alterations with no electrical panel upgrade (No EV space required)
- ADU (no EV space required when no additional parking facilities are added)
- One and two-family residential dwelling or townhouse with attached garage:
 - One EVSE ready parking space required Exception : _____

Multi-family residential:

Exception : _____

Total Parking Spaces Proposed for New Construction	EVSE Spaces			
	Capable (10% of proposed)	Ready (25% of proposed)	Installed (5% of proposed)	Total
Total Proposed or Altered Spaces (Major Alterations)**	Capable (10% of proposed)	---	---	Total

Calculations: Total EVSE spaces = .10 x Total parking (rounded up to nearest whole number)
 EVSE Installed = Total EVSE Spaces x .50 (rounded up to nearest whole number)
 EVSE other= Total EVSE spaces – EVSE Installed
 (EVSE other may be “Capable,” “Ready” or “Installed.”)

*Major alterations are: (1) for one and two-family dwellings and townhouses with attached garages, alterations have a building permit valuation ≥ \$60,000 or include an electrical service panel upgrade; (2) for multifamily dwellings (three units or more without attached garages), alterations have a building permit valuation ≥ \$200,000, interior finishes are removed and significant site work and upgrades to structural and mechanical, electrical, and/or plumbing systems are proposed.

**When new parking facilities are added, or electrical systems or lighting to existing parking facilities are added or altered and the work requires a building permit, 10% of the total number of parking spaces or altered shall be EV Capable. This is NOT a CAP checklist requirement, but is included to coordinate CEC compliance early in the planning process

B. Nonresidential new construction (includes hotels/motels)

Exception : _____

Total Parking Spaces Proposed	EVSE Spaces			
	Capable	Ready	Installed	Total

Calculation: Refer to the table below:

Total Number of Parking Spaces provided	Number of required EV Spaces (Capable)	Number of required EVSE Installed Spaces
<input type="checkbox"/> 0-9	1	1
<input type="checkbox"/> 10-25	4	1
<input type="checkbox"/> 26-50	8	2
<input type="checkbox"/> 51-75	13	3
<input type="checkbox"/> 76-100	17	5
<input type="checkbox"/> 101-150	25	6
<input type="checkbox"/> 151-200	35	9
<input type="checkbox"/> 201 and over	20 percent of total	25 percent of EV Capable

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5. Transportation Demand Management (TDM)

- A. List each proposed nonresidential use and gross floor area (GFA) allocated to each use.
- B. Employee ADT/1,000 square feet is selected from the City of Carlsbad Employee ADT Table.

Use	GFA	Employee ADT/1,000 S.F.	Total Employee ADT
Total			

If total employee ADT is greater than or equal to 110 employee ADT, a TDM plan is required.

***NOTE:** Notwithstanding the 110 employee ADT threshold above, General Plan Mobility Element Policy 3-P.11 requires new development that adds vehicle traffic to vehicle LOS-exempt street facilities to implement TDM and transportation system management strategies. Please consult with City of Carlsbad Land Development Engineering (LDE) staff to determine whether this policy applies to your project.

TDM plan required: Yes No

LDE Staff Verification: _____ (staff initials)