

APPENDIX G
Climate Action Plan Consistency Checklist

**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 are subject to discretionary review or require a building permit.

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

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>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 checked="" 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:	3 ON GARFIELD CONDOMINIUMS.
Property Address/APN:	2685, 2687, 2689 GARFIELD AVE APN. 20-147-01, 02,
Applicant Name/Co.:	JOHN DEERT / DEERT GROUP INC ARCHITECTURE.
Applicant Address:	2272 PARADISE AVE #100, CARLSBAD CA 92008
Contact Phone:	760-438-2963
Contact Email:	JOHN@DEERTARCHITECT.CO.

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

Name:	SAME	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): \$ 1.5M

Construction Type	Complete Section(s)	Notes:
<input checked="" type="checkbox"/> Residential		
<input checked="" type="checkbox"/> New construction	2A, 3A and 4A	
<input type="checkbox"/> Alterations:		
<input type="checkbox"/> BPV ≥ \$60,000	1A	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
<input type="checkbox"/> Nonresidential		
<input type="checkbox"/> New construction	1B, 2B, 3B, 4B and 5	
<input type="checkbox"/> Alterations:		

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<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-347 and the California Green Building Standards Code (CALGreen) for more information when completing this section.

A. Residential addition or alteration ≥ \$60,000 building permit valuation.
See Ord. CS-347, Section 8.

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	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 checked="" type="checkbox"/> 1991 and later		Select one: <input type="checkbox"/> Lighting package <input checked="" 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, Discussion A5.2, as amended in CS-347, Section 3.

N/A _____

- A5.203.1.1.1
 Outdoor lighting: .90 Allowed Outdoor Lighting Power N/A _____
- A5.203.1.1.2
 Restaurant service water heating (comply with California Energy Code Section 140.5, as amended) N/A _____
- A5.203.1.2.1
Choose one as applicable: .95 Energy budget .90 Energy budget N/A _____
- A5.211.1.**
 On-site renewable energy N/A _____
- A5.211.3**
 Green power (if offered by local utility provider, 50% minimum renewable sources) N/A _____
- A5.212.1
 Elevators and escalators N/A _____
- A5.213.1
 Steel framing

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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 (for building permit applications submitted after 1/1/20). Refer to 2019 California Energy Code section 150.1(c) 14 for requirements. Note: if project includes installation of an electric heat pump water heater pursuant to Carlsbad ordinance CS-348, 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
UNIT # 2685	1,700	ONE	2.1224	<input type="checkbox"/> _____
UNIT # 2687	1,700	ONE	2.1224	<input type="checkbox"/> _____
UNIT # 2689	1,700	ONE	2.1224	<input type="checkbox"/> _____
Total System Size:			6.3672 kWdc	

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

*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 new construction or alterations \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-347, Section 6 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: $15 \text{ kWdc} \times (\text{GFA}/10,000)$ **

**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.

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3. Water Heating

A. Residential and hotel/motel new construction

Please refer to Carlsbad Ordinance CS-347 and CS-348 when completing this section.

For systems serving **individual dwelling units** choose one:

Heat pump water heater AND compact hot water distribution AND drain water heat recovery (low-rise residential only)

Heat pump water heater AND PV system .3 kWdc larger than required in CA Energy Code Section 120.10 (for high rise residential hotel/motel) or 150.1(c) 14 (for low-rise residential)

Heat pump water heater meeting Tier 3 or higher NEEA Advanced Water Heating Specification

Solar water heating system that is either .60 solar savings fraction or 40 s.f. solar collectors

Exception: _____

For systems serving **multiple dwelling** units, install a central water-heating system with all of the following:

Gas or propane water heating system

Recirculation system per CS-347 (high-rise residential, hotel/motel) or CS-348 (low-rise residential)

Solar water heating system that is either:

.60 solar savings fraction or 40 s.f. solar collectors

.40 solar savings fraction, plus drain water heat recovery

Exception: _____

B. Nonresidential new construction

Please refer to Carlsbad Ordinance CS-347 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: _____

4. Electric Vehicle Charging

A. Residential New construction and major alterations*

Please refer to Carlsbad Ordinance CS-349 when completing this section.

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	EVSE Spaces			Total
	Capable	Ready	Installed	
6		3 - 1/UNIT		3

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.")

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*Major alterations are: (1) for one and two-family dwellings and townhouses with attached garages, alterations have a building permit valuation \geq \$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 \geq \$200,000, interior finishes are removed and significant site work and upgrades to structural and mechanical, electrical, and/or plumbing systems are proposed.

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	Number of required EVSE Installed Spaces
<input type="checkbox"/> 0-9	1	1
<input type="checkbox"/> 10-25	2	1
<input type="checkbox"/> 26-50	4	2
<input type="checkbox"/> 51-75	6	3
<input type="checkbox"/> 76-100	9	5
<input type="checkbox"/> 101-150	12	6
<input type="checkbox"/> 151-200	17	9
<input type="checkbox"/> 201 and over	10 percent of total	50 percent of Required EV Spaces

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)