

Climatic and Geographic Design Criteria Application Users Guide



APPLICATION USERS GUIDE

This application has been designed to get you the appropriate design criteria to build your building. Design Criteria (ground snow load, footing depth, climate zone, winter design temperature, etc.) are required to design a safe, comfortable and efficient building.

A Climatic and Geographic Design Criteria Report is a required part of the portal submittals for a Residential or Commercial Building Permit.

Coconino County has several different ground snow loads (GSL) and climate zones (CZ) depending on where you live. The higher in elevation that you live, the higher the ground snow loads and the colder the climate zones. This App allows you to select your parcel and generate a report that details your ground snow load, climate zone, and your other appropriate environmental design criteria. These are the loads that the Building Division will typically use to determine your buildings structural strength and safety.

Ground snow loads and climate zones are grouped into general elevational bands. These elevational bands have been modeled to create neighborhood uniformity in GSL and CZ. These elevational bands top out at 8000 feet and 75 psf GSL. Above 8000 feet in elevation, the GSL is generated from our snow load study. Buildings above 8000 feet in elevation are required to be designed according to accepted engineering practice.

A more accurate ground snow load is available for a particular parcel if an architect, engineer, or designer would like to use it, or if the parcel is above 8000 feet in elevation. This ground snow load is generated from our snow load study and has not been homogenized to keep neighborhoods at the same GSL and CZ.

GENERATING YOUR CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA REPORT

Navigate to the Coconino County Building & Safety webpage. Click the Building Codes, Ordinances, Design Criteria link on the upper left that will take you to the Design Criteria & Building Details section, where you can click on the [Climatic and Geographic Design Criteria Report](#). Accept the Welcome note to get to the Building Division Design Criteria Application.

You can enter a parcel number at the upper left corner of the page and get a quick return on your building design criteria.

To generate the required Climatic and Geographic Design Criteria Report:

- Click on the snowflake on the top right corner of the webpage.
- Enter the Assessors Parcel Number in the appropriate box.
- Click the Get Report button.
- Click on the Print button to generate the report.
- This report is required to be part of the submittal for a Building Permit.

Exception: interior remodels or other Permits related to interior work only.

Please contact Steve White, Lead Plans Examiner if you have questions about this app: 928-679-8854; swhite@coconino.az.gov, or the general number 928-679-8850.