



## HIGH PERFORMANCE CERTIFICATION PROGRAM

### OFFICE OF THE STATE ARCHITECT

Department of Personnel & Administration

# High Performance Certification Program (HPCP) Sustainable Priorities

The following priorities are not directly connected to any sustainable building guideline criteria but reflect priorities for Colorado. The priorities are based on state statutes that apply to all jurisdiction in Colorado, statutes that only apply to all state departments and institutions of higher education, or Governor executive orders that only apply to state departments. All priorities could be considered best practice in the design and construction of a building. The priorities are listed in a table format with the column headers indicating the justification of the criterion. The priorities identified support long-term goals that benefit Coloradoans.

Per the “Applicable Construction Projects” definition in the Sustainable Owned Asset Policy, the following are priorities that each project shall consider when choosing an appropriate sustainable building guideline to meet the third-party requirement for any High-Performance Certified Building.

## Development Area (all are considered best practices)

- Development of sites served by existing utility infrastructure
- Construct within a brownfield or remediated superfund site
- Avoid sensitive natural or wildlife, agriculture, and public recreation land
- Avoid land within a designated 100-year floodplain

## Transportation

Priority / Requirement	By statute - all buildings	By statute - state agencies	Executive Orders
Develop sites with an existing transportation network	No	No	No
Locate the building within walking distance to local transit stops, safe bike paths, and pedestrian paths	No	No	No
Install electric vehicle charging stations or the infrastructure installed for future charging stations	No	No	Yes

## Building Life Cycle Cost Analysis

A building of twenty thousand or more gross square feet with significant energy demands must take into consideration the total building life-cycle cost, including the initial construction cost, the cost over the economic life of the building, the cost of the energy consumed, the replacement costs of all building components, and the cost of operation and maintenance of the building.

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Determine the Building Life Cycle Cost (BLCC) of the energy using equipment	No	Yes	N/A

## Energy Performance

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Meet the current Office of the State Architect (OSA) or the Colorado Energy Office (CEO) approved IECC energy code	Yes	Yes	N/A

Consider the reduction or elimination of fossil fueled equipment	No	No	Yes
New construction either net-zero, near net zero GHGs, all electric, or meet the HPCP policy	No	No	Yes

## Metering, Monitoring, and Measurement

Priority / Requirement	By statute – all Buildings	By statute - state agencies	Executive Orders
Metering of all utilities by building (utilities with significant usage)	No	No	Yes (5000 SF and above)
Building level system sub-metering (systems with significant utility usage)	No	No	No
Metering of renewable energy produced onsite or purchased	No	No	Yes
Energy Benchmark requirement (above 50,000 sf.)	Yes	Yes	N/A
All HPCP buildings are required to track performance through the ENERGY STAR program or an approved utility tracking program	No	Yes	N/A
Track carbon emissions from building operations	No	No	Yes
New construction, design and operate with no on-site fossil fuel combustion (except emergency system)	No	No	No

## Renewable Sources of Energy

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Onsite renewable energy (where land or roof area is available)	No	No	Yes

## Water Consumption

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Meet the current indoor plumbing fixture, fitting, and appliances standards (EPA WaterSense Program) and codes	No	Yes	N/A
Separation of water usage (metering) between building and landscape (if significant water usage)	No	No	N/A
Metering of all large water intensive applications and components	No	No	N/A

## Light Pollution

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
All exterior lights need to adhere to the "Outdoor Lighting Fixture Statute"	No	Yes	N/A
All projects need to consider Light Trespass and Glare	No	No	N/A

## Commissioning

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Buildings, systems, enclosures, and training by a third-party consultant or an OSA approved consultant	No	No	No

## Landscaping / Irrigation

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Installation of sustainable, drought-tolerant, and ecoregion-appropriate landscaping as stated in EO.	No	Yes	Yes
Xeriscaping	No	Yes	No
Limiting the area on which frequently irrigated and mowed turf is to be maintained to functional areas	No	Yes	No
Use non-potable water, if available	No	Yes (Ten acres or more)	No
Prohibiting landscape irrigation between the hours of 11 a.m. and 3 p.m.	No	Yes	No
Leak detection as part of the system	No	Yes	No

## Construction Materials

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Adhere to the BCCO Act for all eligible construction materials	No	Yes	N/A
Reuse recycled items as appropriate	No	No	No

## Construction Waste

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
Construction Waste Plan developed and implemented	No	No	Yes

## Parking

Priority / Requirement	By statute - all Buildings	By statute - state agencies	Executive Orders
If additional parking is part of the construction project, either pre-wired for charging or changers install to match EO requirements.	No	No	Yes