

**First Regular Session
Seventy-third General Assembly
STATE OF COLORADO**

ENGROSSED

*This Version Includes All Amendments Adopted
on Second Reading in the House of Introduction*

LLS NO. 21-0322.01 Pierce Lively x2059

HOUSE BILL 21-1303

HOUSE SPONSORSHIP

Bernett and McLachlan,

SENATE SPONSORSHIP

Hansen,

House Committees

Energy & Environment
Appropriations

Senate Committees

A BILL FOR AN ACT

101 **CONCERNING MEASURES TO LIMIT THE GLOBAL WARMING POTENTIAL**
102 **FOR CERTAIN MATERIALS USED IN PUBLIC PROJECTS, AND, IN**
103 **CONNECTION THEREWITH, MAKING AN APPROPRIATION.**

Bill Summary

(Note: This summary applies to this bill as introduced and does not reflect any amendments that may be subsequently adopted. If this bill passes third reading in the house of introduction, a bill summary that applies to the reengrossed version of this bill will be available at <http://leg.colorado.gov>.)

The department of personnel and the department of transportation are each required to establish policies regarding the global warming potential for specific categories of eligible materials used to construct certain public projects.

The department of personnel is required to establish a maximum

Shading denotes HOUSE amendment. Double underlining denotes SENATE amendment.
*Capital letters or bold & italic numbers indicate new material to be added to existing statute.
Dashes through the words indicate deletions from existing statute.*

HOUSE
Amended 2nd Reading
May 22, 2021

acceptable global warming potential for each category of eligible material used in certain public projects under its purview. The bill specifies which building materials are eligible materials. The department of personnel is required to set the maximum acceptable global warming potential at the industry average of global warming potential emissions for that material and to express it as a number that states the maximum acceptable global warming potential for each category of eligible material.

Specifications for solicitations for a public project requested by the department of personnel are required to include that the global warming potential for any eligible material that will be used in the project shall not exceed the maximum acceptable global warming potential for that material determined by the department.

The department of transportation is required to develop policies to determine, track, and record greenhouse gas emissions for each category of eligible materials used in certain public projects under its purview in a manner consistent with criteria in an environmental product declaration.

The department of personnel and the department of transportation are both are required to strive to achieve continuous reduction in greenhouse gas emissions in construction materials over time for the projects under their purview.

For solicitations for certain public projects under the purview of the department of personnel or the department of transportation issued after certain dates, the contractor that is awarded the contract is required to submit a current environmental product declaration for each eligible material proposed to be used in the public project.

A contractor that is awarded a contract for a public project is prohibited from installing any eligible material on the project until the contractor submits an environmental product declaration for that material.

The department of personnel and the department of transportation are required to annually report to the general assembly regarding the implementation of the bill.

1 *Be it enacted by the General Assembly of the State of Colorado:*

2 **SECTION 1. Legislative declaration.** (1) The general assembly
3 hereby finds and declares that:

4 (a) Climate change will have devastating global impacts;

5 (b) All scientific evidence points to the need for Colorado and the
6 world to reduce greenhouse gas emissions to avert the worst effects of
7 climate change. Climate change impacts are already apparent in Colorado,

1 where scientists have determined that annual temperature increases and
2 a long-term drought are consequences of human-induced climate change.

3 (c) The general assembly has committed to reduce greenhouse
4 gases through numerous statutes requiring regulatory and other action by
5 public agencies. Those regulations and actions do not currently encourage
6 public dollars for infrastructure projects to be spent in a way that is
7 consistent with the state's goals to reduce greenhouse gas emissions.

8 (d) Several executive orders in Colorado have highlighted the
9 importance of reducing greenhouse gas emissions in the state, supporting
10 the state's clean energy transition, maintaining progress on clean vehicles,
11 and supporting a transition to zero emission vehicles;

12 (e) Great quantities of emissions are released during the
13 manufacture and transport of products used in public construction
14 projects;

15 (f) Colorado, through its extensive purchasing power, can improve
16 environmental outcomes and accelerate necessary greenhouse gas
17 reductions to protect public health, the environment, and conserve a
18 livable climate by incorporating emissions information from throughout
19 the supply chain and product life cycle into procurement decisions, and
20 using that information to help direct expenditure; [REDACTED]

21 (g) Incorporating emissions information will acknowledge those
22 companies that have invested in emissions reduction technologies and
23 practices and will encourage other companies to take action to reduce
24 emissions to become more competitive in the Colorado bidding process;
25 and

26 (h) For measuring greenhouse gas emissions, the properties of
27 cement, concrete mixtures, asphalt, and asphalt mixtures must not be


1 double counted.


2 (2) The general assembly further finds and declares that there is
3 great potential for Colorado to reduce greenhouse gas emissions in public
4 construction projects without imposing an additional cost on those
5 projects.

6 **SECTION 2.** In Colorado Revised Statutes, **add** 24-92-116 and
7 24-92-117 as follows:

8 **24-92-116. Maximum global warming potential for materials**
9 **used in eligible projects - buildings - projects that are not roads,**
10 **highways, or bridges - environmental product declaration - short title**
11 **- report - definitions.** (1) THE SHORT TITLE OF THIS SECTION AND
12 SECTION 24-92-117 IS THE "BUY CLEAN COLORADO ACT".

13 (2) AS USED IN THIS SECTION, UNLESS THE CONTEXT OTHERWISE
14 REQUIRES:

15 
16 (a) "ELIGIBLE MATERIAL" MEANS MATERIALS USED IN THE
17 CONSTRUCTION OF A PUBLIC PROJECT, INCLUDING:

- 18 (I) ASPHALT AND ASPHALT MIXTURES;;
- 19 (II) CEMENT AND CONCRETE MIXTURES;
- 20 
- 21 (III) GLASS;
- 22 (IV) POST-TENSION STEEL;
- 23 (V) REINFORCING STEEL;
- 24 (VI) STRUCTURAL STEEL; AND
- 25 (VII) WOOD STRUCTURAL ELEMENTS.

26 (b) "ELIGIBLE PROJECT" MEANS A PUBLIC PROJECT AS DEFINED IN
27 SECTION 24-92-102, FOR WHICH AN AGENCY OF GOVERNMENT ISSUES A

1 SOLICITATION ON OR AFTER JANUARY 1, 2024; EXCEPT THAT "ELIGIBLE
2 PROJECT" DOES NOT INCLUDE ANY MAINTENANCE PROGRAM FOR THE
3 UPKEEP OF A PUBLIC PROJECT OR ANY ROAD, HIGHWAY, OR BRIDGE
4 PROJECT.

5 (c) "GREENHOUSE GAS" HAS THE SAME MEANING AS SET FORTH IN
6 SECTION 25-7-140 (6).

7 (d) "OFFICE OF THE STATE ARCHITECT" MEANS THE OFFICE OF THE
8 STATE ARCHITECT IN THE DEPARTMENT OF PERSONNEL.

9 (3) (a) BY JANUARY 1, 2024, THE OFFICE OF THE STATE ARCHITECT
10 SHALL ESTABLISH BY POLICY A MAXIMUM ACCEPTABLE GLOBAL WARMING
11 POTENTIAL FOR EACH CATEGORY OF ELIGIBLE MATERIALS USED IN AN
12 ELIGIBLE PROJECT IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

13 (I) THE OFFICE OF THE STATE ARCHITECT SHALL BASE THE
14 MAXIMUM ACCEPTABLE GLOBAL WARMING POTENTIAL ON THE INDUSTRY
15 AVERAGE OF GLOBAL WARMING POTENTIAL EMISSIONS FOR THAT
16 MATERIAL. THE OFFICE OF THE STATE ARCHITECT SHALL DETERMINE THE
17 INDUSTRY AVERAGE BY CONSULTING NATIONALLY OR INTERNATIONALLY
18 RECOGNIZED DATABASES OF ENVIRONMENTAL PRODUCT DECLARATIONS
19 AND MAY INCLUDE TRANSPORTATION-RELATED EMISSIONS AS PART OF THE
20 GLOBAL WARMING POTENTIAL EMISSIONS.

21 (II) THE OFFICE OF THE STATE ARCHITECT SHALL EXPRESS THE
22 MAXIMUM ACCEPTABLE GLOBAL WARMING POTENTIAL AS A NUMBER THAT
23 STATES THE MAXIMUM ACCEPTABLE GLOBAL WARMING POTENTIAL FOR
24 EACH CATEGORY OF ELIGIBLE MATERIALS. THE GLOBAL WARMING
25 POTENTIAL SHALL BE PROVIDED IN A MANNER THAT IS CONSISTENT WITH
26 CRITERIA IN AN ENVIRONMENTAL PRODUCT DECLARATION. THE OFFICE OF
27 THE STATE ARCHITECT MAY ESTABLISH ADDITIONAL SUBCATEGORIES

1 WITHIN EACH ELIGIBLE MATERIAL WITH DISTINCT MAXIMUM GLOBAL
2 WARMING POTENTIAL LIMITS. THE POLICY MAY PERMIT MAXIMUM
3 ACCEPTABLE GLOBAL WARMING POTENTIAL FOR EACH MATERIAL
4 CATEGORY IN THE AGGREGATE.

5 (b) IN ESTABLISHING A MAXIMUM ACCEPTABLE GLOBAL WARMING
6 POTENTIAL FOR EACH CATEGORY OF ELIGIBLE MATERIALS USED IN AN
7 ELIGIBLE PROJECT, THE OFFICE OF THE STATE ARCHITECT MAY CONSULT
8 WITH ANY OTHER RELEVANT DEPARTMENT OR DIVISION OF STATE
9 GOVERNMENT.

10 (c) BY JANUARY 1, 2026, AND EVERY FOUR YEARS THEREAFTER,
11 THE OFFICE OF THE STATE ARCHITECT SHALL REVIEW THE MAXIMUM
12 ACCEPTABLE GLOBAL WARMING POTENTIAL FOR EACH CATEGORY OF
13 ELIGIBLE MATERIALS AND MAY ADJUST THE NUMBER FOR ANY ELIGIBLE
14 MATERIAL TO REFLECT INDUSTRY CONDITIONS. THE OFFICE OF THE STATE
15 ARCHITECT SHALL NOT ADJUST THE NUMBER UPWARD FOR ANY ELIGIBLE
16 MATERIAL.

17 (4) (a) (I) FOR ANY SOLICITATION FOR A CONTRACT FOR THE
18 DESIGN OF AN ELIGIBLE PROJECT, AN AGENCY OF GOVERNMENT SHALL
19 REQUIRE THE DESIGNER WHO IS AWARDED THE CONTRACT TO INCLUDE, IN
20 PROJECT SPECIFICATIONS WHEN FINAL CONSTRUCTION DOCUMENTS ARE
21 RELEASED, A CURRENT ENVIRONMENTAL PRODUCT DECLARATION, TYPE
22 III, AS DEFINED BY THE INTERNATIONAL ORGANIZATION FOR
23 STANDARDIZATION STANDARD 14025:2006, OR SIMILARLY ROBUST LIFE
24 CYCLE ASSESSMENT METHODS THAT HAVE UNIFORM STANDARDS IN DATA
25 COLLECTION, AS SET BY POLICY BY THE OFFICE OF THE STATE ARCHITECT
26 FOR EACH ELIGIBLE MATERIAL PROPOSED TO BE USED IN THE ELIGIBLE
27 PROJECT THAT MEET THE MAXIMUM ACCEPTABLE GLOBAL WARMING

1 POTENTIAL FOR EACH CATEGORY OF ELIGIBLE MATERIALS.

2 (II) IF A PRODUCT THAT MEETS THE MAXIMUM GLOBAL WARMING
3 POTENTIAL FOR A CATEGORY OF ELIGIBLE MATERIALS IS NOT PRICED, NOT
4 REASONABLY PRICED, OR IS NOT AVAILABLE ON A REASONABLE BASIS AT
5 THE TIME OF DESIGN OR CONSTRUCTION, THE OFFICE OF THE STATE
6 ARCHITECT MAY WAIVE THE REQUIREMENTS OF THIS SECTION FOR THAT
7 PRODUCT.

8 (b) FOR ANY SOLICITATION FOR A CONTRACT FOR AN ELIGIBLE
9 PROJECT, AN AGENCY OF GOVERNMENT SHALL SPECIFY THE ELIGIBLE
10 MATERIALS THAT WILL BE USED IN THE PROJECT AND REASONABLE
11 MINIMUM USAGE THRESHOLDS BELOW WHICH THE REQUIREMENTS OF THIS
12 SECTION SHALL NOT APPLY. AN AGENCY OF GOVERNMENT MAY INCLUDE
13 IN A SPECIFICATION FOR SOLICITATIONS FOR AN ELIGIBLE PROJECT A
14 GLOBAL WARMING POTENTIAL FOR ANY ELIGIBLE MATERIAL THAT IS
15 LOWER THAN THE MAXIMUM ACCEPTABLE GLOBAL WARMING POTENTIAL
16 FOR THAT MATERIAL AS DETERMINED PURSUANT TO SUBSECTION (3) OF
17 THIS SECTION.

18 (c) A CONTRACTOR THAT IS AWARDED A CONTRACT FOR AN
19 ELIGIBLE PROJECT SHALL NOT INSTALL ANY ELIGIBLE MATERIALS ON THE
20 PROJECT UNTIL THE CONTRACTOR SUBMITS AN ENVIRONMENTAL PRODUCT
21 DECLARATION FOR THAT MATERIAL PURSUANT TO SUBSECTION (4)(a) OF
22 THIS SECTION. THE ENVIRONMENTAL PRODUCT DECLARATION SHALL BE
23 DEEMED APPROVED IF IT COMPLIES WITH THE ORIGINAL SPECIFICATION. IF
24 AN ENVIRONMENTAL PRODUCT DECLARATION IS NOT AVAILABLE FOR AN
25 ELIGIBLE MATERIAL, THE CONTRACTOR SHALL NOTIFY THE AGENCY OF
26 GOVERNMENT AND INSTALL THE ELIGIBLE MATERIAL AS ORIGINALLY
27 SPECIFIED. IF A PRODUCT MEETING THE MAXIMUM GLOBAL WARMING

1 POTENTIAL FOR A CATEGORY OF ELIGIBLE MATERIALS IS NOT PRICED, NOT
2 REASONABLY PRICED, OR IS NOT AVAILABLE TO THE CONTRACTOR ON A
3 REASONABLE BASIS, THE AGENCY OF GOVERNMENT MAY WAIVE THE
4 REQUIREMENTS OF THIS SECTION FOR THAT PRODUCT. THE AGENCY OF
5 GOVERNMENT SHALL REPORT WAIVERS TO THE OFFICE OF THE STATE
6 ARCHITECT.

7 (5) IN ADMINISTERING THIS SECTION, THE OFFICE OF THE STATE
8 ARCHITECT SHALL STRIVE TO ACHIEVE A CONTINUOUS REDUCTION OF
9 GREENHOUSE GAS EMISSIONS OVER TIME. REDUCTION OF GREENHOUSE
10 GAS EMISSIONS ACHIEVED UNDER THIS SECTION SHALL BE CREDITED
11 UNDER THE PROCESS CREATED IN SECTION 25-7-105 (1)(e).

12 (6) BEGINNING IN 2026, AND IN EACH YEAR THEREAFTER, THE
13 OFFICE OF THE STATE ARCHITECT SHALL PREPARE A REPORT FOR THE
14 GENERAL ASSEMBLY THAT INCLUDES THE FOLLOWING INFORMATION:

15 (a) FOR THE REPORT PREPARED IN 2026 ONLY, A DESCRIPTION OF
16 THE METHOD THAT THE OFFICE OF THE STATE ARCHITECT USED TO
17 DEVELOP THE MAXIMUM GLOBAL WARMING POTENTIAL FOR EACH
18 CATEGORY OF ELIGIBLE MATERIALS;

19 (b) WHAT THE OFFICE OF THE STATE ARCHITECT HAS LEARNED
20 ABOUT HOW TO IDENTIFY AND QUANTIFY EMBODIED CARBON IN BUILDING
21 MATERIALS, INCLUDING LIFE CYCLE COSTS; AND

22 (c) ANY OBSTACLES THE OFFICE OF THE STATE ARCHITECT AS WELL
23 AS BIDDING CONTRACTORS HAVE ENCOUNTERED IN IDENTIFYING AND
24 QUANTIFYING EMBODIED CARBON IN BUILDING MATERIALS.

25 **24-92-117. Maximum global warming potential for materials**
26 **used in public projects - road - highway - bridge projects -**
27 **environmental product declaration - short title - report - definitions.**

1 (1) THE SHORT TITLE OF THIS SECTION AND SECTION 24-92-116 IS THE
2 "BUY CLEAN COLORADO ACT".

3 (2) AS USED IN THIS SECTION, UNLESS THE CONTEXT OTHERWISE
4 REQUIRES:

5 (a) "DEPARTMENT" MEANS THE DEPARTMENT OF
6 TRANSPORTATION.

7 (b) "ELIGIBLE MATERIAL" MEANS MATERIALS USED IN THE
8 CONSTRUCTION OF A PUBLIC PROJECT, INCLUDING, BUT NOT LIMITED TO:

9 (I) ASPHALT AND ASPHALT MIXTURES;

10 (II) CEMENT AND CONCRETE MIXTURES; AND

11

12 (III) STEEL.

13 (c) "GREENHOUSE GAS" HAS THE SAME MEANING AS SET FORTH IN
14 SECTION 25-7-140 (6).

15 (d) "PUBLIC PROJECT" MEANS ALL PUBLICLY BID CONSTRUCTION
16 PROJECTS, PROJECTS FROM WITHIN THE ASSET MANAGEMENT, OR OTHER
17 PROJECTS AS DETERMINED BY THE DEPARTMENT.

18 (3) (a) BY JANUARY 1, 2025, THE DEPARTMENT SHALL ESTABLISH
19 A POLICY TO DETERMINE AND RECORD GREENHOUSE GAS EMISSIONS FROM
20 ELIGIBLE MATERIALS USED IN A PUBLIC PROJECT WITH THE GOAL OF
21 REDUCING GREENHOUSE GAS EMISSIONS IN ACCORDANCE WITH THE
22 FOLLOWING REQUIREMENTS:

23 (I) THE DEPARTMENT SHALL USE THE NATIONALLY OR
24 INTERNATIONALLY RECOGNIZED DATABASES OF ENVIRONMENTAL
25 PRODUCT DECLARATIONS AND MAY INCLUDE TRANSPORTATION-RELATED
26 EMISSIONS AS PART OF THE GLOBAL WARMING POTENTIAL EMISSIONS; AND

27 (II) THE DEPARTMENT SHALL DEVELOP A TRACKING AND

1 REPORTING PROCESS IN A MANNER THAT IS CONSISTENT WITH CRITERIA IN
2 AN ENVIRONMENTAL PRODUCT DECLARATION. THE DEPARTMENT MAY
3 ESTABLISH ADDITIONAL SUBCATEGORIES WITHIN EACH ELIGIBLE MATERIAL
4 WITH DISTINCT MAXIMUM GLOBAL WARMING POTENTIAL LIMITS.

5 (b) IN ESTABLISHING THE POLICY PURSUANT TO THIS SECTION, THE
6 DEPARTMENT MAY CONSULT WITH ANY OTHER RELEVANT DEPARTMENT OR
7 DIVISION OF STATE GOVERNMENT.

8 (c) BY JANUARY 1, 2027, AND EVERY FOUR YEARS THEREAFTER,
9 THE DEPARTMENT OF TRANSPORTATION SHALL REVIEW THE POLICY
10 CREATED PURSUANT TO THIS SECTION AND MAY ADJUST THE POLICY TO
11 REFLECT INDUSTRY CONDITIONS. THE DEPARTMENT SHALL NOT ADJUST
12 THE POLICY FOR ANY ELIGIBLE MATERIAL TO BE LESS STRINGENT.

13 (4) (a) FOR INVITATION FOR BIDS FOR CONTRACTS FOR PUBLIC
14 PROJECTS ISSUED ON OR AFTER JULY 1, 2022, THE DEPARTMENT SHALL
15 REQUIRE THE CONTRACTOR WHO IS AWARDED THE CONTRACT TO SUBMIT
16 A CURRENT ENVIRONMENTAL PRODUCT DECLARATION, TYPE III, AS
17 DEFINED BY THE INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
18 STANDARD 14025:2006, OR SIMILARLY ROBUST LIFE CYCLE ASSESSMENT
19 METHODS THAT HAVE UNIFORM STANDARDS IN DATA COLLECTION, FOR
20 EACH ELIGIBLE MATERIAL PROPOSED TO BE USED IN THE PUBLIC PROJECT.

21 (b) FOR INVITATION FOR BIDS FOR CONTRACTS FOR PUBLIC
22 PROJECTS ISSUED ON OR AFTER JULY 1, 2025, THE DEPARTMENT SHALL
23 REQUIRE THE CONTRACTOR WHO IS AWARDED THE CONTRACT TO SUBMIT
24 A CURRENT ENVIRONMENTAL PRODUCT DECLARATION, TYPE III, AS
25 DEFINED BY THE INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
26 STANDARD 14025:2006, OR SIMILARLY ROBUST LIFE CYCLE ASSESSMENT
27 METHODS THAT HAVE UNIFORM STANDARDS IN DATA COLLECTION, AS SET

1 BY POLICY BY THE DEPARTMENT FOR EACH ELIGIBLE MATERIAL PROPOSED
2 TO BE USED IN THE PUBLIC PROJECT.

3 (c) FOR INVITATION FOR BIDS FOR CONTRACTS FOR PUBLICLY BID
4 PUBLIC PROJECTS ISSUED ON OR AFTER JULY 1, 2025, THE DEPARTMENT OF
5 TRANSPORTATION SHALL SPECIFY THE ELIGIBLE MATERIALS THAT WILL BE
6 USED IN THE PROJECT BASED ON THE POLICY AND REASONABLE MINIMUM
7 USAGE THRESHOLDS BELOW WHICH THE REQUIREMENTS OF THIS SECTION
8 SHALL NOT APPLY.

9 (d) A CONTRACTOR THAT IS AWARDED A CONTRACT FOR A PUBLIC
10 PROJECT SHALL NOT INSTALL ANY ELIGIBLE MATERIALS ON THE PROJECT
11 UNTIL THE CONTRACTOR SUBMITS AN ENVIRONMENTAL PRODUCT
12 DECLARATION FOR THAT MATERIAL PURSUANT TO SUBSECTION (4)(a) OF
13 THIS SECTION. THE ENVIRONMENTAL PRODUCT DECLARATION SHALL BE
14 DEEMED APPROVED IF IT COMPLIES WITH THE POLICY ESTABLISHED BY THE
15 DEPARTMENT PURSUANT TO THIS SECTION. IF AN ENVIRONMENTAL
16 PRODUCT DECLARATION IS NOT AVAILABLE FOR AN ELIGIBLE MATERIAL,
17 THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT AND INSTALL THE
18 ELIGIBLE MATERIAL AS ORIGINALLY SPECIFIED. IF A PRODUCT MEETING THE
19 POLICY REQUIREMENTS FOR A CATEGORY OF ELIGIBLE MATERIALS IS NOT
20 PRICED, NOT REASONABLY PRICED, OR IS NOT AVAILABLE TO THE
21 CONTRACTOR ON A REASONABLE BASIS, THE DEPARTMENT MAY WAIVE THE
22 REQUIREMENTS OF THIS SECTION FOR THAT PRODUCT.

23 (5) IN ADMINISTERING THIS SECTION, THE DEPARTMENT SHALL
24 STRIVE TO ACHIEVE A CONTINUOUS REDUCTION OF GREENHOUSE GAS
25 EMISSIONS OVER TIME. REDUCTION OF GREENHOUSE GAS EMISSIONS
26 ACHIEVED UNDER THIS SECTION SHALL BE CREDITED UNDER THE PROCESS
27 CREATED IN SECTION 25-7-105 (1)(e).

1 (6) BEGINNING IN 2026, THE DEPARTMENT SHALL ANNUALLY
2 PRESENT THE FOLLOWING INFORMATION TO THE TRANSPORTATION
3 LEGISLATION REVIEW COMMITTEE, OR ANY SUCCESSOR COMMITTEE:

4 (a) FOR THE PRESENTATION IN 2026 ONLY, A DESCRIPTION OF THE
5 METHOD THAT THE DEPARTMENT USED TO DEVELOP THE POLICY
6 REQUIREMENTS FOR EACH CATEGORY OF ELIGIBLE MATERIALS;

7 (b) WHAT THE DEPARTMENT HAS LEARNED ABOUT HOW TO
8 IDENTIFY AND QUANTIFY EMBODIED CARBON IN BUILDING MATERIALS,
9 INCLUDING LIFE CYCLE COSTS; AND

10 (c) ANY OBSTACLES THE DEPARTMENT AS WELL AS BIDDING
11 CONTRACTORS HAVE ENCOUNTERED IN IDENTIFYING AND QUANTIFYING
12 EMBODIED CARBON IN BUILDING MATERIALS.

13 **SECTION 3. Appropriation.** For the 2021-22 state fiscal year,
14 \$75,342 is appropriated to the department of personnel for use by the
15 executive director's office. This appropriation is from the general fund
16 and is based on an assumption that the office will require an additional
17 0.9 FTE. To implement this act, the office may use this appropriation for
18 the office of the state architect.

19 **SECTION 4. Act subject to petition - effective date.** This act
20 takes effect at 12:01 a.m. on the day following the expiration of the
21 ninety-day period after final adjournment of the general assembly; except
22 that, if a referendum petition is filed pursuant to section 1 (3) of article V
23 of the state constitution against this act or an item, section, or part of this
24 act within such period, then the act, item, section, or part will not take
25 effect unless approved by the people at the general election to be held in
26 November 2022 and, in such case, will take effect on the date of the
27 official declaration of the vote thereon by the governor.