

**ESHB 1282 - H AMD 1066**

By Representative Duerr

**ADOPTED AS AMENDED 02/13/2024**

1 Strike everything after the enacting clause and insert the  
2 following:

3 "NEW SECTION. **Sec. 1.** The legislature finds and declares that:

4 (1) Washington state, through its extensive purchasing power, can  
5 reduce embodied carbon in the built environment, improve human and  
6 environmental health, grow economic competitiveness, and promote high  
7 labor standards in manufacturing by incorporating climate and other  
8 types of pollution impacts and the quality of working conditions into  
9 the procurement process.

10 (2) Washington state is home to multiple world-class  
11 manufacturers that are investing heavily in reducing the carbon  
12 intensity of their products and that provide family-wage jobs that  
13 are the foundation for a fair and robust economy. Washington's  
14 procurement practices should encourage manufacturers and others to  
15 meet high environmental and labor standards and reduce their  
16 environmental footprint.

17 (3) The private sector is increasingly demanding low carbon  
18 building materials that support good jobs in manufacturing. This  
19 market demand has rapidly accelerated innovation and led to increased  
20 production of low carbon building materials. As one of the largest  
21 consumers of building materials, Washington state has an opportunity  
22 to leverage its purchasing power to do even more to send a clear  
23 signal to the market of the growing demand for low carbon building  
24 materials.

25 (4) With its low carbon electric grid and highly skilled  
26 workforce, Washington state is well-positioned to capture the growing  
27 demand for low carbon building materials and create and sustain a new  
28 generation of good, high-wage clean manufacturing jobs.

29 (5) Washington has demonstrated a deep commitment to ensuring  
30 that the transition to a low carbon economy is fair and creates  
31 family-wage jobs. Both the clean energy transformation act and the  
32 climate commitment act tie public investments in infrastructure to

1 reducing greenhouse gas emissions and to high road construction labor  
2 standards. Integrating manufacturing working conditions into the  
3 procurement process reaffirms and is consistent with the state's  
4 commitment to a fair transition.

5 (6) A robust state and domestic supply of low carbon materials is  
6 critical for building a fair economy and meeting the needs of the low  
7 carbon transition, including securing the clean energy supply chain.

8 (7) Environmental product declarations are the best available  
9 tool for reporting product-specific environmental impacts using a  
10 life-cycle assessment and informing the procurement of low carbon  
11 building materials. Environmental product declarations cannot be used  
12 to compare products across different product categories or different  
13 functional units.

14 (8) The buy clean and buy fair policies established in this act  
15 are critical to reduce embodied carbon in the built environment, a  
16 goal identified by the Washington state 2021 energy strategy to meet  
17 the state's greenhouse gas emission limits, governor Inslee's  
18 Executive Order 20-01 on state efficiency and environmental  
19 performance, and the Pacific coast collaborative's pathbreaking low  
20 carbon construction task force.

21 (9) Reducing embodied carbon in the built environment requires a  
22 holistic, comprehensive approach that includes designing buildings  
23 with a lower-embodied carbon footprint and making lower carbon  
24 products. Policies like the buy clean and buy fair policies  
25 established in this act are an important tool for increasing the  
26 manufacture of lower carbon products.

27 (10) The 2021-2023 biennium budgets made critical progress on the  
28 buy clean and buy fair policies in this act by funding the creation  
29 of a publicly accessible database to facilitate reporting and promote  
30 transparency on building materials purchased for state-funded  
31 infrastructure projects and two large buy clean and buy fair pilot  
32 projects. This ongoing work to create a database to facilitate  
33 reporting of environmental impacts and labor conditions from pilot  
34 projects has provided a strong foundation to inform future work on  
35 buy clean and buy fair policies.

36 (11) Providing financial assistance to small manufacturers to  
37 support the production of environmental product declarations will  
38 help small manufacturers offset costs they might incur when pursuing  
39 state contracting as a result of the requirements of this act.

1        NEW SECTION.        **Sec. 2.**        The definitions in this section apply  
2 throughout this chapter unless the context clearly requires  
3 otherwise.

4        (1) "Actual production facilities" means the final manufacturing  
5 facility and the facilities at which production processes occur that  
6 contribute to 70 percent or more of the product's cradle-to-gate  
7 global warming potential, as reflected in the environmental product  
8 declaration.

9        (2) "Awarding authority" means:

10        (a) Institutions of higher education as defined in RCW  
11 28B.92.030;

12        (b) The department of enterprise services, the department of  
13 natural resources, the state parks and recreation commission, the  
14 department of fish and wildlife, and the department of  
15 transportation; and

16        (c) Any other state government agency that receives funding from  
17 the omnibus capital appropriations act for a public works project  
18 contracted directly by the state agency.

19        (3) "Covered product" includes:

20        (a) Structural concrete products, including ready mix, shotcrete,  
21 precast, and concrete masonry units;

22        (b) Reinforcing steel products, specifically rebar and  
23 posttensioning tendons;

24        (c) Structural steel products, specifically hot rolled sections,  
25 hollow sections, metal deck, and plate; and

26        (d)(i) Engineered wood products, such as cross-laminated timber  
27 per ANSI form no. PRG 320, glulam beams, laminated veneer lumber,  
28 parallel strand lumber, dowel laminated timber, nail laminated  
29 timber, glulam laminated timber, prefabricated wood joists per ASTM  
30 D5055, wood structural panel per product standard 1 or product  
31 standard 2, solid sawn lumber per product standard 20, structural  
32 composite lumber per ASTM D5456, and structural sawn lumber.

33        (ii) For the purposes of this subsection (3)(d):

34        (A) "ANSI" means the American national standards institute.

35        (B) "ASTM" means the American society for testing and materials.

36        (C) "Product standard" means a voluntary product standard  
37 published by the United States department of commerce national  
38 institute of standards and technology.

39        (4) "Covered project" means:

1 (a) A construction project larger than 50,000 gross square feet  
2 as defined in the Washington state building code, chapter 51-50 WAC;  
3 or

4 (b) A building renovation project where the cost is greater than  
5 50 percent of the assessed value and the project is larger than  
6 50,000 gross square feet of occupied or conditioned space as defined  
7 in the Washington state building code, chapter 51-50 WAC.

8 (5) "Department" means the department of commerce.

9 (6) "Employee" means any individual who is in an employment  
10 relationship with the organization.

11 (7)(a) "Environmental product declaration" means a type III  
12 environmental product declaration, as defined by the international  
13 organization for standardization standard 14025 or similarly robust  
14 life-cycle assessment methods that have uniform standards in data  
15 collection consistent with the international organization for  
16 standardization standard 14025, industry acceptance, and integrity.  
17 When available, the environmental product declaration must be supply  
18 chain specific.

19 (b) For the purposes of this subsection, "supply chain specific"  
20 means an environmental product declaration that includes supply chain  
21 specific data for production processes that contribute 70 percent or  
22 more of a product's cradle-to-gate global warming potential, as  
23 defined in international organization for standardization standard  
24 21930, and reports the overall percentage of supply chain specific  
25 data included.

26 (8) "Full time" means an employee in a position that:

27 (a) The employer intends to be filled for at least 52 consecutive  
28 weeks or 12 consecutive months, excluding any leaves of absence; and

29 (b) Requires the employee to work, excluding overtime hours, 35  
30 hours per week for 52 consecutive weeks, 455 hours a quarter, or  
31 1,820 hours during a period of 12 consecutive months.

32 (9) "Health product declaration" means a supply chain specific  
33 health product declaration, as defined by the health product  
34 declaration open standard maintained by the health product  
35 declaration collaborative, that has robust methods for product  
36 manufacturers and their ingredient suppliers to uniformly report and  
37 disclose information about product contents and associated health  
38 information.

39 (10) "Part time" means an employee in a position that:

1 (a) The employer intends to be filled for at least 52 consecutive  
2 weeks or 12 consecutive months, excluding any leaves of absence; and

3 (b) Working hours are less than those required for a full-time  
4 employee, as defined in this section.

5 (11) "Product and facility specific report" means an  
6 environmental product declaration whereby the environmental impacts  
7 can be attributed to a single manufacturer and a specific  
8 manufacturing or production facility.

9 (12)(a) "Scope 2 greenhouse gas emissions" are indirect  
10 greenhouse gas emissions associated with the purchase of electricity,  
11 steam, heat, or cooling.

12 (b) For purposes of this section, "greenhouse gas" has the same  
13 meaning as in RCW 70A.45.010.

14 (13) "Supplier code of conduct" means a policy created by a  
15 manufacturer that outlines steps taken to ensure that its suppliers  
16 adhere to ethical practices, such as compliance with child and forced  
17 labor laws, antidiscrimination practices, freedom of association, and  
18 safe workplace conditions.

19 (14) "Temporary" means an employee in a position that is intended  
20 to be filled for a period of less than 52 consecutive weeks or 12  
21 consecutive months. Positions in seasonal employment are temporary  
22 positions.

23 (15) "Total case incident rate" means the number of work-related  
24 injuries per 100 full-time workers during a one-year period, as  
25 defined by the occupational safety and health administration. Total  
26 case incident rate is calculated by multiplying the number of  
27 occupational safety and health administration recordable injuries and  
28 illnesses by 200,000 and dividing by number of hours worked by all  
29 employees.

30 (16) "Working conditions" means the average number of employees  
31 by employment type: Full time, part time, and temporary.

32 NEW SECTION. **Sec. 3.** (1)(a) Beginning July 1, 2025, an awarding  
33 authority must require in all newly executed construction contracts  
34 that the selected firm for a construction contract for a covered  
35 project larger than 100,000 gross square feet submit the following  
36 data for each covered product used before substantial completion,  
37 including at a minimum:

38 (i) Product quantity;

39 (ii) A current environmental product declaration;

1 (iii) Health product declaration, if any, completed for the  
2 product;

3 (iv) Manufacturer name and location, including state or province  
4 and country;

5 (v) Supplier code of conduct, if any; and

6 (vi) Office of minority and women-owned business enterprises  
7 certification, if any.

8 (b) Beginning July 1, 2027, an awarding authority must require in  
9 all newly executed construction contracts that the selected firm for  
10 a construction contract for a covered project submit the data  
11 required by (a) of this subsection for each covered product used  
12 before substantial completion.

13 (c) The selected firm for a contract for a covered project shall  
14 provide the data required by this subsection for at least 90 percent  
15 of the cost of each of the covered products used in the project.

16 (2) The selected firm for a contract for a covered project is  
17 required to collect and submit from product suppliers the information  
18 required in subsection (1)(a)(ii) through (vi) of this section. The  
19 selected firm is not required to verify the information received from  
20 product suppliers.

21 (3)(a) Beginning July 1, 2025, an awarding authority must require  
22 in all newly executed construction contracts that the selected firm  
23 for a construction contract for a covered project larger than 100,000  
24 gross square feet to ask their suppliers to report for each covered  
25 product used before substantial completion, including at a minimum:

26 (i) Names and locations, including state or province and country,  
27 of the actual production facilities; and

28 (ii) Working conditions at the actual production facilities for  
29 all employees, full-time employees, part-time employees, and  
30 temporary employees. In cases in which the supplier does not have  
31 this information, the selected firm for a contract for a covered  
32 project must ask suppliers to provide a report on steps taken to  
33 reasonably obtain the data and provide suppliers' self-reports to the  
34 awarding authority.

35 (b) Beginning July 1, 2027, an awarding authority must require in  
36 all newly executed construction contracts that the successful bidder  
37 for a construction contract for a covered project to meet the  
38 requirements of (a) of this subsection for each covered product used  
39 before substantial completion.

1 (c) The selected firm is not required to verify the information  
2 reported by product suppliers pursuant to this subsection.

3 (d) The selected firm for a contract for a covered project shall  
4 meet the requirement in (a) of this subsection for at least 90  
5 percent of the cost of each of the covered products used in the  
6 project.

7 (4) If a supply chain specific environmental product declaration  
8 is not available, a product and facility specific report may be  
9 submitted.

10 (5) This section does not apply to a covered product for a  
11 particular covered project if the awarding authority determines, upon  
12 written justification provided to the department, that the  
13 requirements in this section would cause a significant delay in  
14 completion, significant increase in overall project cost, or result  
15 in only one product supplier being able to provide the covered  
16 product.

17 (6) An awarding authority must include the information and  
18 reporting requirements in this section in a specification for bids  
19 for a covered project.

20 (7) Subject to funds appropriated for this specific purpose, the  
21 department may provide financial assistance to small businesses, as  
22 defined in RCW 19.85.020, to help offset the costs to the small  
23 business of producing an environmental product declaration required  
24 under this section. Such financial assistance supports the production  
25 of environmental product declarations and achievement of reductions  
26 of embodied carbon in the built environment while ensuring that small  
27 manufacturers are not put at a competitive disadvantage in state  
28 contracting as a result of the requirements of this chapter.

29 (8) Compliance with the requirements in this section may not be  
30 used as a basis for a waiver from apprenticeship utilization  
31 requirements in any other statute, rule, regulation, or law.

32 NEW SECTION. **Sec. 4.** By July 1, 2025, and to the extent  
33 practicable, specifications for a bid or proposal for a project  
34 contract by an awarding authority may only include performance-based  
35 specifications for concrete used as a structural material. Awarding  
36 authorities may continue to use prescriptive specifications on  
37 structural elements to support special designs and emerging  
38 technology implementation.

1        NEW SECTION.     **Sec. 5.**     (1) The department must continue to  
2 develop, maintain, and refine the publicly accessible database funded  
3 by the 2021-2023 omnibus operating appropriations act and created by  
4 the department in conjunction with the University of Washington  
5 college of built environments for selected firms for contracts for  
6 covered projects to submit the data required in section 3 of this act  
7 to the department and to promote transparency. The department may  
8 consult with the University of Washington college of built  
9 environments.

10        (2) The database maintained pursuant to subsection (1) of this  
11 section must publish global warming potential as reported in the  
12 environmental product declarations.

13        (3) By July 1, 2025, the department must:

14        (a) Further elaborate covered product definitions using  
15 applicable material industry standards;

16        (b) Develop measurement and reporting standards to ensure that  
17 data is consistent and comparable, including standards for reporting  
18 product quantities;

19        (c) Create model language for specifications, bid documents, and  
20 contracts to support the implementation of section 3 of this act; and

21        (d) Produce an educational brief that:

22        (i) Provides an overview of embodied carbon;

23        (ii) Describes the appropriate use of environmental product  
24 declarations, including the necessary preconditions for environmental  
25 product declarations to be comparable;

26        (iii) Outlines reporting standards, including covered product  
27 definitions, standards for reporting product quantities, and working  
28 conditions;

29        (iv) Describes the data collection and reporting process for all  
30 information required in section 3 (1)(a) and (3)(a) of this act;

31        (v) Provides instructions for the use of the database; and

32        (vi) Lists applicable product category rules for covered  
33 products.

34        (4) The department may contract for the use of nationally or  
35 internationally recognized databases of environmental product  
36 declarations for purposes of implementing this section.

37        NEW SECTION.     **Sec. 6.**     (1) By December 1, 2024, the department  
38 must convene a technical work group that includes the following  
39 representatives:



1 (a) One industry professional in design, one industry  
2 professional in structural design, one industry professional in  
3 specification, and one industry professional in construction who are  
4 recommended by leading associations of Washington business;

5 (b) Two representatives each from Washington manufacturers of:

6 (i) Steel;

7 (ii) Wood; and

8 (iii) Concrete;

9 (c) A representative from the department of enterprise services;

10 (d) A representative from the department of transportation;

11 (e) A representative from the department of ecology;

12 (f) One representative each from three environmental groups that  
13 focus on embodied carbon and climate change;

14 (g) Three representatives from labor unions, including two from  
15 unions that represent manufacturing workers and one representative  
16 from the building and construction trades;

17 (h) A representative from the minority and women-owned business  
18 community;

19 (i) A representative from the University of Washington college of  
20 built environments; and

21 (j) Representatives of other agencies and independent experts as  
22 necessary to meet the objectives of the technical work group as  
23 described in this section.

24 (2) The department may form subgroups with members who have  
25 subject matter expertise or industry experience to develop technical  
26 information, recommendations, and analysis specific to individual  
27 material types, and the feasibility of supply chain specific  
28 environmental product declarations. The recommendations must, where  
29 possible, align with state and national principles and laws for  
30 environmental product declaration development.

31 (3) The department may contract with the University of Washington  
32 college of built environments in convening the technical work group.

33 (4) The purpose of the technical work group is to identify  
34 opportunities for and barriers to growth of the use and production of  
35 low carbon materials, promote high labor standards in manufacturing,  
36 and preserve and expand low carbon materials manufacturing in  
37 Washington.

38 (5) By September 1, 2025, the technical work group must submit a  
39 report to the legislature and the governor that includes:

1 (a) A low carbon materials manufacturing plan that recommends  
2 policies to preserve and grow the in-state manufacturing of low  
3 carbon materials and accelerate industrial decarbonization. For this  
4 plan, the technical work group must:

5 (i) Examine barriers and opportunities to maintain and grow a  
6 robust in-state supply of low carbon building materials including,  
7 but not limited to, state and domestic supply of raw materials and  
8 other supply chain challenges, regulatory barriers, competitiveness  
9 of local and domestic manufacturers, cost, and data availability from  
10 local, state, national, and foreign product suppliers; and

11 (ii) Identify opportunities to encourage the continued conversion  
12 to lower carbon cements, including the use of performance-based  
13 specifications and allowing Type 1-L cement in specifications for  
14 public projects;

15 (b) Recommendations for consistent treatment in the reporting for  
16 covered products; and

17 (c) Consideration of how additional information relevant to  
18 reducing embodied carbon through strategies including, but not  
19 limited to, product life-cycle assessments could be incorporated into  
20 future reporting.

21 (6) (a) By September 1, 2026, the technical work group must submit  
22 a report on policy recommendations, including any statutory changes  
23 needed, to the legislature and the governor. The report must consider  
24 policies to expand the use and production of low carbon materials,  
25 preserve and expand low carbon materials manufacturing in Washington,  
26 including opportunities to encourage continued conversion to lower  
27 carbon blended cements in public projects, and support living wage  
28 manufacturing jobs.

29 (b) For this report, the technical work group must:

30 (i) Summarize data collected pursuant to section 3 of this act,  
31 the case study analysis funded by the 2021-2023 omnibus operating  
32 appropriations act, and the pilot projects funded by the 2021-2023  
33 omnibus capital appropriations act. The summary must include product  
34 quantities, global warming potential, health product declarations,  
35 supplier codes of conduct, and any obstacles to the implementation of  
36 this chapter;

37 (ii) Evaluate options for collecting reported working condition  
38 information from product suppliers, including hourly wages, employee  
39 benefits, and total case incident rates, and for aligning these

1 reporting requirements with existing reporting requirements for  
2 preferential tax rates, credits, exemptions, and deferrals;

3 (iii) Make recommendations for improving environmental production  
4 declaration data quality including, but not limited to, integrating  
5 reporting on variability in facility, product, and upstream data for  
6 key processes;

7 (iv) Make recommendations for consideration of scope 2 greenhouse  
8 gas emissions mitigation through green power purchases, such as  
9 energy attribute certificates and power purchase agreements;

10 (v) Identify barriers and opportunities to the effective use of  
11 the database maintained under section 5 of this act and the data  
12 collected pursuant to this chapter;

13 (vi) Identify emerging and foreseeable trends in local, state,  
14 federal, and private policy on embodied carbon and the procurement  
15 and use of low carbon materials and opportunities to promote  
16 consistency across public and private embodied carbon and low carbon  
17 materials policies, rules, and regulations; and

18 (vii) Recommend approaches to designing lower embodied carbon  
19 state building projects.

20 (7) (a) The department may update reporting standards and  
21 requirements based on input from the technical work group.

22 (b) The department must provide updated guidance on reporting  
23 standards by January 1, 2027.

24 (8) This section expires January 1, 2028.

25 **Sec. 7.** RCW 43.88.0301 and 2021 c 54 s 4 are each amended to  
26 read as follows:

27 (1) The office of financial management must include in its  
28 capital budget instructions (~~(, beginning with its instructions for~~  
29 ~~the 2003-05 capital budget,~~) a request for "yes" or "no" answers for  
30 the following additional informational questions from capital budget  
31 applicants for all proposed major capital construction projects  
32 valued over (~~(10 million dollars)~~) \$10,000,000 and required to  
33 complete a predesign:

34 (a) For proposed capital projects identified in this subsection  
35 that are located in or serving city or county planning under RCW  
36 36.70A.040:

37 (i) Whether the proposed capital project is identified in the  
38 host city or county comprehensive plan, including the capital

1 facility plan, and implementing rules adopted under chapter 36.70A  
2 RCW;

3 (ii) Whether the proposed capital project is located within an  
4 adopted urban growth area:

5 (A) If at all located within an adopted urban growth area  
6 boundary, whether a project facilitates, accommodates, or attracts  
7 planned population and employment growth;

8 (B) If at all located outside an urban growth area boundary,  
9 whether the proposed capital project may create pressures for  
10 additional development;

11 (b) For proposed capital projects identified in this subsection  
12 that are requesting state funding:

13 (i) Whether there was regional coordination during project  
14 development;

15 (ii) Whether local and additional funds were leveraged;

16 (iii) Whether environmental outcomes and the reduction of adverse  
17 environmental impacts were examined.

18 (2) For projects subject to subsection (1) of this section, the  
19 office of financial management shall request the required information  
20 be provided during the predesign process of major capital  
21 construction projects to reduce long-term costs and increase process  
22 efficiency.

23 (3) The office of financial management, in fulfilling its duties  
24 under RCW 43.88.030(6) to create a capital budget document, must take  
25 into account information gathered under subsections (1) and (2) of  
26 this section in an effort to promote state capital facility  
27 expenditures that minimize unplanned or uncoordinated infrastructure  
28 and development costs, support economic and quality of life benefits  
29 for existing communities, and support local government planning  
30 efforts.

31 (4) The office of community development must provide staff  
32 support to the office of financial management and affected capital  
33 budget applicants to help collect data required by subsections (1)  
34 and (2) of this section.

35 (5) The office of financial management must include in its  
36 capital budget instructions, beginning with the instructions for the  
37 2025-2027 biennium, information informing awarding authorities, as  
38 defined in section 2 of this act, of the requirements of chapter  
39 39.--- RCW (the new chapter created in section 9 of this act),

1 including the data and information requirements in section 3 of this  
2 act.

3 NEW SECTION. **Sec. 8.** This act may be known and cited as the buy  
4 clean and buy fair Washington act.

5 NEW SECTION. **Sec. 9.** Sections 2 through 6 of this act  
6 constitute a new chapter in Title 39 RCW.

7 NEW SECTION. **Sec. 10.** If any provision of this act or its  
8 application to any person or circumstance is held invalid, the  
9 remainder of the act or the application of the provision to other  
10 persons or circumstances is not affected."

11 Correct the title.

EFFECT: • Extends by one year the dates for: The start of  
required data reporting for covered projects; implementation of  
additional contractual requirements for awarding authorities; and the  
convening, reporting, and expiration of the technical work group.

• Clarifies that environmental product declarations must be  
supply chain specific when available rather than to the extent  
feasible.

• Specifies that the data submitted for covered projects are the  
minimum requirements.

• Requires the Department of Commerce (Commerce) to refine, in  
addition to develop and maintain, the publicly accessible database  
funded by the legislature.

• Requires Commerce to consult with the University of Washington  
college of built environments when developing, maintaining, and  
refining the publicly available database.

• Changes the number of representatives from Washington  
manufacturers on the technical work group from a total of three to a  
total of six.

• Changes the number of representatives from labor unions on the  
work group from one to three.

• Allows Commerce to form subgroups for the technical work group  
with members who have subject matter expertise or industry  
experience.

• Allows Commerce to contract with the University of Washington  
college of built environments in convening the work group.

• Modifies the work group's first report by also requiring the  
consideration of how additional information relevant to reducing  
embodied carbon through strategies including, but not limited to,  
product life-cycle adjustments could be incorporated into future  
reporting.

• Modifies the work group's second report by also requiring the  
consideration of policies to support living wage manufacturing jobs  
and the evaluation of options for aligning these reporting  
requirements with existing reporting requirements for preferential  
tax rates, credits, exemptions, and deferrals.

- Authorizes Commerce to update reporting standards and requirements based on input from the work group and requires Commerce to provide updated guidance on reporting standards by January 1, 2027.

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