

SHB 1282 - H AMD 376

By Representative Duerr

ADOPTED 03/08/2023

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. Integrating manufacturing working  
2 conditions into the procurement process reaffirms and is consistent  
3 with the state's commitment to a fair transition.

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

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

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

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

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

35 (11) Providing financial assistance to small manufacturers to  
36 support the production of environmental product declarations will  
37 help small manufacturers offset costs they might incur when pursuing  
38 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 To the extent feasible, the environmental product declaration must be  
18 supply 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, 2024, 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 (i) Product quantity;

38 (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, 2026, 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, 2024, 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:

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, 2026, 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, 2024, 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 and maintain the publicly accessible database funded by the  
3 2021-2023 omnibus operating appropriations act and created by the  
4 department in conjunction with the University of Washington college  
5 of built environments for selected firms for contracts for covered  
6 projects to submit the data required in section 3 of this act to the  
7 department and to promote transparency.

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

11        (3) By July 1, 2024, the department must:

12        (a) Further elaborate covered product definitions using  
13 applicable material industry standards;

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

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

19        (d) Produce an educational brief that:

20        (i) Provides an overview of embodied carbon;

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

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

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

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

30        (vi) Lists applicable product category rules for covered  
31 products.

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

35        NEW SECTION.     **Sec. 6.**     (1) By December 1, 2023, the department  
36 must convene a technical work group that includes the following  
37 representatives:

38        (a) One industry professional in design, one industry  
39 professional in structural design, one industry professional in



1 specification, and one industry professional in construction who are  
2 recommended by leading associations of Washington business;

3 (b) One representative each from Washington manufacturers of:

4 (i) Steel;

5 (ii) Wood; and

6 (iii) Concrete;

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

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

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

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

12 (g) A representative from a labor union that represents  
13 manufacturing workers;

14 (h) A representative from the minority and women-owned business  
15 community;

16 (i) A representative from the University of Washington college of  
17 built environments; and

18 (j) Representatives of other agencies and independent experts as  
19 necessary to meet the objectives of the work group as described in  
20 this section.

21 (2) The purpose of the technical work group is to identify  
22 opportunities for and barriers to growth of the use and production of  
23 low carbon materials, promote high labor standards in manufacturing,  
24 and preserve and expand low carbon materials manufacturing in  
25 Washington.

26 (3) By September 1, 2024, the technical work group must submit a  
27 report to the legislature and the governor that includes:

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

32 (i) Examine barriers and opportunities to maintain and grow a  
33 robust in-state supply of low carbon building materials including,  
34 but not limited to, state and domestic supply of raw materials and  
35 other supply chain challenges, regulatory barriers, competitiveness  
36 of local and domestic manufacturers, cost, and data availability from  
37 local, state, national, and foreign product suppliers; and

38 (ii) Identify opportunities to encourage the continued conversion  
39 to lower carbon cements, including the use of performance-based

1 specifications and allowing Type 1-L cement in specifications for  
2 public projects;

3 (b) Recommendations for consistent treatment in the reporting for  
4 covered products; and

5 (c) Consideration of how product life-cycle assessments conducted  
6 by project designers could be incorporated into future reporting.

7 (4) (a) By September 1, 2025, the technical work group must submit  
8 a report on policy recommendations, including any statutory changes  
9 needed, to the legislature and the governor. The report must consider  
10 policies to expand the use and production of low carbon materials and  
11 to preserve and expand low carbon materials manufacturing in  
12 Washington, including opportunities to encourage continued conversion  
13 to lower carbon blended cements in public projects.

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

15 (i) Summarize data collected pursuant to section 3 of this act,  
16 the case study analysis funded by the 2021-2023 omnibus operating  
17 appropriations act, and the pilot projects funded by the 2021-2023  
18 omnibus capital appropriations act. The summary must include product  
19 quantities, global warming potential, health product declarations,  
20 supplier codes of conduct, and any obstacles to the implementation of  
21 this chapter;

22 (ii) Evaluate options for collecting reported working condition  
23 information from product suppliers, including hourly wages, employee  
24 benefits, and total case incident rates;

25 (iii) Make recommendations for improving environmental production  
26 declaration data quality including, but not limited to, integrating  
27 reporting on variability in facility, product, and upstream data for  
28 key processes;

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

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

35 (vi) Identify emerging and foreseeable trends in local, state,  
36 federal, and private policy on embodied carbon and the procurement  
37 and use of low carbon materials and opportunities to promote  
38 consistency across public and private embodied carbon and low carbon  
39 materials policies, rules, and regulations; and

1 (vii) Recommend approaches to designing lower embodied carbon  
2 state building projects.

3 (5) This section expires January 1, 2027.

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

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

13 (a) For proposed capital projects identified in this subsection  
14 that are located in or serving city or county planning under RCW  
15 36.70A.040:

16 (i) Whether the proposed capital project is identified in the  
17 host city or county comprehensive plan, including the capital  
18 facility plan, and implementing rules adopted under chapter 36.70A  
19 RCW;

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

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

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

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

30 (i) Whether there was regional coordination during project  
31 development;

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

33 (iii) Whether environmental outcomes and the reduction of adverse  
34 environmental impacts were examined.

35 (2) For projects subject to subsection (1) of this section, the  
36 office of financial management shall request the required information  
37 be provided during the predesign process of major capital  
38 construction projects to reduce long-term costs and increase process  
39 efficiency.

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

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

13 (5) The office of financial management must include in its  
14 capital budget instructions, beginning with the instructions for the  
15 2025-2027 biennium, information informing awarding authorities, as  
16 defined in section 2 of this act, of the requirements of chapter  
17 39.--- RCW (the new chapter created in section 9 of this act),  
18 including the data and information requirements in section 3 of this  
19 act.

20 NEW SECTION. Sec. 8. This act may be known and cited as the buy  
21 clean and buy fair Washington act.

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

24 NEW SECTION. Sec. 10. If any provision of this act or its  
25 application to any person or circumstance is held invalid, the  
26 remainder of the act or the application of the provision to other  
27 persons or circumstances is not affected."

28 Correct the title.

EFFECT: (1) Modifies the definition of Environmental Product  
Declaration (EPD) to require that the EPD be supply chain specific to  
the extent feasible.

(2) Allows the reporting of a Product and facility specific  
report if a supply chain specific EPD is not available.

(3) Removes the requirement to report wood sourcing information.

(4) Renames the Buy Clean and Buy Fair Work Group as a technical  
work group and modifies work group membership.

(5) Modifies the reports required from the work group to include  
recommendations for consistent treatment in the reporting of covered

products, consideration of how life cycle assessments conducted by project designers could be incorporated into future reporting, options for collecting working condition information from product suppliers, and recommended approaches to designing lower embodied carbon state building projects.

(6) Adds definitions for ANSI, ASTM, product and facility specific report, and product standard.

(7) Removes the provision permitting the Department of Commerce to consult with the University of Washington College of Built Environments on the development and maintenance of a publicly accessible database.

(8) Amends the definitions of engineered wood products and working conditions.

(9) Makes changes to legislative findings and declaration.

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