

1 * * * Use of Sustainable Building Components * * *

2 **Sec. X. FINDINGS**

3 **The** General Assembly finds:

4 (1) With the passage of the Universal Recycling Law, the State of
5 Vermont committed to providing convenient and efficient recycling services to
6 all Vermonters.

7 (2) Efficient recycling systems save energy, conserve natural resources,
8 and reduce greenhouse gas emissions.

9 (3) Recycled glass can currently be used in the following ways:

10 (A) as an aggregate to substitute for virgin or manufactured sand;

11 (B) ground and used as a pozzolan, which can be a partial substitute
12 for Portland Cement in a concrete-mix design; or

13 (C) converted into a building component.

14 (4) Mining sand is a practice that is known to have an adverse effect
15 on the environment.

16 (5) Fly ash, which is a pozzolan, is the byproduct of the burning of coal
17 and ground granulated blast-furnace slag, which is also a pozzolan, is the
18 byproduct of steel manufacturing.

19 (6) The Agency of Transportation is already, pursuant to 2020 Acts and
20 Resolves No. 121, Sec. 21 encouraged to, wherever practicable, use pozzolans

1 and alternatives to Portland Cement as part of the concrete-mix design for all
2 transportation infrastructure projects.

3 (7) Reusing recycled glass as a substitute for virgin or manufactured
4 sand conserves natural resources by reducing the need to mine or manufacture
5 sand.

6 (8) Using materials recycled in Vermont as a partial substitute for
7 aggregate and non-aggregate components in maintenance, construction, and
8 improvement projects could reduce greenhouse gas emissions and the State’s
9 carbon footprint by eliminating the need to transport recycled glass out of State
10 for further processing.

11 (9) Using materials recycled in Vermont as a partial substitute for
12 aggregate and non-aggregate components in maintenance, construction, and
13 improvements projects could provide an economic benefit to the local
14 recycling industry.

15 (10) There will continue to be advances in the availability and use of
16 sustainable building components, such as recycled materials and
17 manufacturing byproducts, in maintenance, construction, and improvement
18 projects.

19 Sec. Y. 19 V.S.A. § 10c(m) is amended to read:

20 (m) Recycled asphalt pavement (RAP) shall be used on all Agency paving
21 projects to the extent sources of quality RAP are available consistent with

1 ~~producing quality hot mix asphalt. To that extent, the Agency shall define~~
2 ~~paving project specifications and contract bid documents to allow the use of up~~
3 ~~to 50 percent RAP. The Agency shall compare the cost benefit of the State's~~
4 ~~retaining the RAP versus the contractor's retaining the RAP, and the Agency~~
5 ~~shall report to the House and Senate Committees on Transportation on the~~
6 ~~results of the comparison in the 2009 and 2010 legislative sessions.~~

7 [Repealed.]

8 Sec. Z. 19 V.S.A. § 10m is added to read:

9 § 10m. STATEMENT OF POLICY; SUSTAINABLE BUILDING

10 COMPONENTS; ANNUAL REPORT

11 (a) Policy. It shall be the State's policy to use sustainable building
12 components, including recycled materials and manufacturing byproducts, in all
13 maintenance, construction, and improvement projects within the State's
14 Transportation Program to the extent that sources of quality sustainable
15 building components are available and the use is consistent with producing
16 transportation assets with a demonstrated evidence of long-term durability.

17 (b) Specifications. The Agency shall define its performance and related
18 specifications and contract bid documents to allow and, as practicable,
19 encourage the use of sustainable building components.

20 (c) Recycled asphalt pavement. Recycled asphalt pavement (RAP) shall be
21 used on all Agency paving projects to the extent sources of RAP of a quality

1 comparable to hot mix asphalt is available. The Agency shall define paving
2 project specifications and contract bid documents to allow for the use of up to
3 50 percent RAP.

4 (d) Research and testing. The Agency is encouraged to continue
5 researching, testing, and, wherever practicable, using sustainable building
6 components, pozzolans, and alternatives to Portland Cement as part of the
7 construction specifications for all transportation infrastructure projects.

8 (e) Annual report. The Agency, in consultation with the Recycled
9 Materials Working Group, shall, during each session of the General Assembly,
10 provide an oral report to the House and Senate Committees on Transportation
11 on the use of sustainable building components in maintenance, construction,
12 and improvement projects within the State's Transportation Program.