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## A BILL FOR AN ACT

RELATING TO STATE BUILDING CONSTRUCTION.

**BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:**

1           SECTION 1. The legislature finds that Hawaii is committed  
2 to mitigating climate change. Act 15, Session Laws of Hawaii  
3 2018, reflects this commitment, establishing a statewide target  
4 of sequestering more atmospheric carbon and greenhouse gases  
5 than are emitted within the State.

6           The legislature also finds that concrete is the most widely  
7 used construction material in the world because of its low cost,  
8 strength, and durability.

9           The legislature finds that cement, the critical ingredient  
10 in concrete, produces more than seven per cent of the world's  
11 carbon dioxide. However, emission of carbon dioxide from cement  
12 can be halted by injecting carbon dioxide into the concrete  
13 during mixing. This process chemically transforms the carbon  
14 dioxide into mineral form, embedding it into the concrete and  
15 preventing its release as a gas.

16           The purpose of this Act is to work toward the State's  
17 emission sequestration target by requiring all state building



1 construction that uses concrete to use post-industrial carbon  
2 dioxide mineralized concrete, unless the use of these materials  
3 will increase costs or significantly delay construction.

4 SECTION 2. Chapter 107, Hawaii Revised Statutes, is  
5 amended by adding a new section to part II to be appropriately  
6 designated and to read as follows:

7 "§107- Use of carbon dioxide mineralized concrete. All  
8 state building construction that requires the use of concrete  
9 shall use post-industrial carbon dioxide mineralized concrete  
10 unless the use of these materials will:

- 11 (1) Cost more than the use of concrete; or  
12 (2) Significantly delay the completion of the state  
13 building construction.

14 As used in this section, "post-industrial carbon dioxide  
15 mineralized concrete" means concrete that has undergone active  
16 carbonation treatment during mixing, in which carbon dioxide is  
17 injected into and mineralized within the concrete."

18 SECTION 3. This Act does not affect rights and duties that  
19 matured, penalties that were incurred, and proceedings that were  
20 begun before its effective date.

21 SECTION 4. New statutory material is underscored.



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1 SECTION 5. This Act shall take effect on July 1, 2019.

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INTRODUCED BY:

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JAN 23 2019



# H.B. NO. 1282

**Report Title:**

State Building Construction; Carbon Dioxide Mineralized Concrete

**Description:**

Requires all state building construction that uses concrete to use post-industrial carbon dioxide mineralized concrete unless use of these materials will increase costs or significantly delay construction.

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

