

WHEREAS, the City of Austin has long been at the forefront of combating climate crisis by creating policies that reduce carbon emissions, and improve the environment and quality of life for residents; and

WHEREAS, the Austin Climate Equity Plan includes goals of equitably reaching net-zero community-wide greenhouse gas emissions by 2040; and

WHEREAS, Austin Energy’s Green Building Program has encouraged the use of Environmental Product Declarations to increase understanding of the environmental impact of the products and materials used by the City; and

WHEREAS, concrete plays a vital role in our daily lives in shaping the built environment around us, from schools, hospitals, and housing, to roads, bridges, tunnels, runways, and sewage systems; and

WHEREAS, concrete is a complex recipe of materials with a diverse set of uses and applications; and

25 **WHEREAS**, cement, the key ingredient that gives concrete its strength is
26 produced by baking limestone in kilns, a process that typically uses coal or natural
27 gas as fuel and consumes a large amount of energy while releasing carbon dioxide
28 (CO₂) from the combustion; and

29 **WHEREAS**, cement production accounts for seven percent of all global
30 carbon emissions, more than three times the emissions produced by aviation; and

31 **WHEREAS**, technology exists to enhance the sustainability of concrete
32 mixtures that will enable concrete producers to effectively reduce GHG emissions
33 resulting in economic and climate benefits; and

34 **WHEREAS**, the transition to more sustainable concrete has already begun
35 in Austin with more than 1,000,000 cubic yards of lower carbon concrete used
36 since 2019 with no net additional cost to the marketplace and reducing the carbon
37 footprint of these materials by thousands of tons of CO₂; **NOW, THEREFORE,**

38 **BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:**
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40 The City Manager is directed to explore a plan to transition all future City
41 contracts and projects to low-embodied-carbon concrete. The plan should address
42 the following:

- 43 1. Create procedures for tracking concrete that:
- 44 ○ Identify how much concrete is used on City projects, and projects that
 - 45 will be owned and maintained by the City to better understand
 - 46 Austin's environmental footprint and influence our future designs,
 - 47 specifications, and decisions;

