

**Decarbonization Plus Acquisition Corporation III**  
2744 Sand Hill Road, Suite 100  
Menlo Park, CA 94025

November 8, 2021

**VIA EDGAR**

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
Office of Manufacturing  
100 F Street, NE  
Washington, D.C. 20549  
Attn: Sergio Chinos

Re: Decarbonization Plus Acquisition Corporation III  
Registration Statement on Form S-4, as amended  
Filed August 10, 2021  
File No. 333-258681

Dear Mr. Chinos:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Decarbonization Plus Acquisition Corporation III (the "Company") hereby requests acceleration of effectiveness of the above referenced Registration Statement so that it will become effective at 4:00 p.m. Eastern Time on November 10, 2021, or as soon as thereafter practicable.

Very truly yours,

**Decarbonization Plus Acquisition Corporation III**

/s/ Peter Haskopoulos

Peter Haskopoulos

Chief Financial Officer, Chief Accounting Officer and  
Secretary

cc: E. Ramey Layne, Vinson & Elkins L.L.P.  
Douglas Campbell, Solid Power, Inc.  
Robert O'Connor, Wilson Sonsini Goodrich & Rosati, P.C.  
Mark B. Baudler, Wilson Sonsini Goodrich & Rosati, P.C.