

Decarbonization Plus Acquisition Corporation III  
2744 Sand Hill Road  
Menlo Park, CA 94025  
(212) 993-0076

March 19, 2021

**VIA EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549-3561

Attention: David Lin

Re: Decarbonization Plus Acquisition Corporation III  
Form S-1 Registration Statement  
File No. 333-253094

Dear Mr. Lin:

Decarbonization Plus Acquisition Corporation III (the “Company”) hereby requests that the effective date of the Company’s Registration Statement on Form S-1, as amended (File No. 333-253094), be accelerated under Rule 461 under the Securities Act of 1933, as amended, so that it will be declared effective at 4:00 pm (Eastern time) on Tuesday, March 23, 2021, or as soon thereafter as possible.

We request that we be notified of such effectiveness by a telephone call to Ramey Layne of Vinson & Elkins L.L.P. at (713) 758-4629 and that such effectiveness also be confirmed in writing.

*[Remainder of page intentionally left blank.]*

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Sincerely,

**Decarbonization Plus Acquisition Corporation III**

By: /s/ Peter Haskopoulos

Name: Peter Haskopoulos

Title: Chief Financial Officer, Chief Accounting Officer and  
Secretary

cc: Davis Polk & Wardwell LLP  
Derek J. Dostal

Vinson & Elkins L.L.P.  
E. Ramey Layne  
Brenda Lenahan

[*Signature Page to Company Acceleration Request*]