



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

September 27, 2022

Jeffrey Kirt  
Chief Executive Officer  
Greenidge Generation Holdings Inc.  
135 Rennell Drive, 3rd Floor  
Fairfield, CT 06890

**Re: Greenidge Generation Holdings Inc.  
Registration Statement on Form S-3  
Filed September 19, 2022  
File No. 333-267506**

Dear Mr. Kirt:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Kyle Wiley, Staff Attorney, at 202-344-5791 or Jan Woo, Legal Branch Chief, at 202-551-3453 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Technology

cc: Taylor Landry