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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**Form S-8**  
**Post-Effective Amendment No. 1 to**  
Registration Statement on Form S-8 (Registration No. 333-198799) and  
Registration Statement on Form S-8 (Registration No. 333-265231)  
**Under the Securities Act of 1933**

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**COREENERGY INFRASTRUCTURE TRUST, INC.**  
(Exact Name of Registrant as Specified in Its Charter)

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**Maryland**  
(State or Other Jurisdiction of  
Incorporation or Organization)

**20-3431375**  
(I.R.S. Employer  
Identification No.)

**1100 Walnut Street, Suite 3350**  
**Kansas City, Missouri**  
(Address of Principal Executive Offices)

**64106**  
(Zip Code)

**CorEnergy Infrastructure Trust, Inc. Director Compensation Plan**  
**CorEnergy Infrastructure Trust, Inc. Omnibus Equity Incentive Plan**  
(Full Title of the Plans)

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**David J. Schulte**  
**Chairman and Chief Executive Officer**  
**1100 Walnut Street, Suite 3350**  
**Kansas City, Missouri 64106**  
(Name and address of agent for service)

**(816) 875-3705**  
(Telephone number, including area code, of agent for service)

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*Copies to:*  
B. Scott Gootee  
Stinson LLP  
1201 Walnut Street, Suite 2900  
Kansas City, MO 64106  
(816) 842-8600

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act:

Large accelerated filer  
Non-accelerated filer

Accelerated filer  
Smaller reporting company   
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

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#### EXPLANATORY NOTE

#### DEREGISTRATION OF SECURITIES

CorEnergy Infrastructure Trust, Inc. (the "Registrant") is filing this Post-Effective Amendment No. 1 (this "Post-Effective Amendment") to amend the following registration statements (the "Registration Statements") and deregister any and all common stock, par value \$0.001 ("Common Stock") registered but unsold or otherwise unissued under each such Registration Statement:

- (i) Registration Statement on Form S-8 (File No. 333-198799), which was filed on September 17, 2014, relating to the registration by the Registrant of 100,000 shares of Common Stock of the Registrant, issuable pursuant to the CorEnergy Infrastructure Trust, Inc. Director Compensation Plan; and
- (ii) Registration Statement on Form S-8 (File No. 333-265231), which was filed on May 26, 2022, relating to the registration by the Registrant of 3,000,000 shares of Common Stock of the Registrant, issuable pursuant to the CorEnergy Infrastructure Trust, Inc. Omnibus Equity Incentive Plan.

As previously disclosed, on February 25, 2024, the Registrant filed a voluntary petition (the "Chapter 11 Case") under Chapter 11 of Title 11 of the United States Code in the United States Bankruptcy Court for the Western District of Missouri. As a result of the Chapter 11 Case, the Registrant has terminated all offerings of securities pursuant to the Registration Statements. The Registrant is filing this Post-Effective Amendment to terminate the effectiveness of the Registration Statements and, in accordance with the undertakings made by the Registrant in the Registration Statements, to remove from registration any and all securities registered for sale under the Registration Statements that remain unsold as of the date hereof.

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