



CVR ENERGY, INC.
 2277 PLAZA DRIVE
 SUITE 500
 SUGAR LAND, TX 77479

VOTE BY INTERNET

Before The Annual Meeting - Go to www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 11:59 p.m. Eastern Time on June 1, 2021. Have your proxy card in hand when you access the website and follow the instructions to obtain your records and to create an electronic voting instruction form.

During The Annual Meeting - Go to www.virtualshareholdermeeting.com/CVI2021

You may attend the Annual Meeting via the Internet and vote during the Annual Meeting. Have the information that is printed in the box marked by the arrow available and follow the instructions.

If you encounter any difficulties accessing the virtual Annual Meeting, please call the number that will be posted on the virtual Annual Meeting login page.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions up until 11:59 p.m. Eastern Time on June 1, 2021. Have your proxy card in hand when you call and then follow the instructions.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

D49031-P52362

KEEP THIS PORTION FOR YOUR RECORDS
 DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

CVR ENERGY, INC.

THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE "FOR" THE ELECTION OF EACH OF THE EIGHT NOMINEES LISTED BELOW AND "FOR" PROPOSALS 2 AND 3.

For All **Withhold All** **For All Except**

To withhold authority to vote for any individual nominee(s), mark "For All Except" and write the number(s) of the nominee(s) on the line below.

1. To elect eight directors for terms of one year each, to serve until their successors have been duly elected and qualified.

Nominees:

- | | |
|--------------------------------|----------------------|
| 01) Patricia A. Agnello | 05) Hunter C. Gary |
| 02) Kapiljeet Dargan | 06) David L. Lamp |
| 03) Jaffrey (Jay) A. Firestone | 07) Stephen Mongillo |
| 04) Jonathan Frates | 08) James M. Strock |

2. To approve, by a non-binding, advisory vote, our named executive officer compensation ("Say-on-Pay").

For **Against** **Abstain**

3. To ratify the appointment of Grant Thornton LLP as CVR Energy's independent registered public accounting firm for 2021.

NOTE: Such other matters as may properly come before the meeting or any adjournments or postponements thereof will be voted on by the proxy holders in their discretion.

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name by authorized officer.

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Signature [PLEASE SIGN WITHIN BOX]

Date

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Signature (Joint Owners)

Date

IMPORTANT NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS:

Our Proxy Statement, Notice of Annual Meeting and the CVR Energy, Inc. 2020 Annual Report are available at www.proxyvote.com.

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**THIS PROXY IS SOLICITED ON BEHALF OF
THE BOARD OF DIRECTORS OF CVR ENERGY, INC.
2021 ANNUAL MEETING OF STOCKHOLDERS
JUNE 2, 2021, 10:00 AM (CENTRAL TIME)
CVR ENERGY, INC.**

The undersigned hereby appoints Tracy D. Jackson, Executive Vice President and Chief Financial Officer, and Melissa M. Buhrig, Executive Vice President, General Counsel and Secretary, and each or any of them, with full power of substitution and revocation, to vote as proxies for the undersigned as herein stated at the 2021 Annual Meeting of Stockholders of CVR Energy, Inc. (the "Company") to be held via live webcast at www.virtualshareholdermeeting.com/CVI2021 on Wednesday, June 2, 2021 at 10:00 a.m. (Central Time), and at any adjournments or postponements thereof, according to the number of votes the undersigned would be entitled to vote if personally present, on the proposals set forth on the reverse hereof and in accordance with their discretion on any other matters that may properly come before the meeting or any adjournments or postponements thereof. The undersigned hereby acknowledges receipt of the Important Notice Regarding the Availability of Proxy Materials.

IF THIS PROXY IS RETURNED WITHOUT DIRECTION BEING GIVEN, THIS PROXY WILL BE VOTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE BOARD OF DIRECTORS OF THE COMPANY.

(Continued and to be signed on reverse side)