

ANNUAL MEETING OF SHAREHOLDERS OF ENERGY FUELS INC.

May 25, 2023

GO GREEN

e-Consent makes it easy to go paperless. With e-Consent, you can quickly access your proxy material, statements and other eligible documents online, while reducing costs, clutter and paper waste. Enroll today via www.astfinancial.com to enjoy online access.

NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIALS:

The Notice of Meeting, Proxy Statement and Proxy Card are available at <http://www.astproxyportal.com/ast/23865/>

Please sign, date and mail
your proxy card in the
envelope provided as soon
as possible.

↓ Please detach along perforated line and mail in the envelope provided. ↓

052523

**THE BOARD OF DIRECTORS RECOMMENDS A VOTE "FOR" THE ELECTION OF EACH DIRECTOR, AND
"FOR" PROPOSALS 2 AND 3.**

PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE

1. Election of Directors:

	FOR	WITHHOLD
1. J. Birks Bovaird	<input type="checkbox"/>	<input type="checkbox"/>
2. Mark S. Chalmers	<input type="checkbox"/>	<input type="checkbox"/>
3. Benjamin Eshleman III	<input type="checkbox"/>	<input type="checkbox"/>
4. Ivy V. Estabrooke	<input type="checkbox"/>	<input type="checkbox"/>
5. Barbara A. Filas	<input type="checkbox"/>	<input type="checkbox"/>
6. Bruce D. Hansen	<input type="checkbox"/>	<input type="checkbox"/>
7. Jaqueline Herrera	<input type="checkbox"/>	<input type="checkbox"/>
8. Dennis L. Higgs	<input type="checkbox"/>	<input type="checkbox"/>
9. Robert W. Kirkwood	<input type="checkbox"/>	<input type="checkbox"/>
10. Alexander G. Morrison	<input type="checkbox"/>	<input type="checkbox"/>

2. Appointment of Auditors

Appointment of KPMG LLP of Denver, Colorado, an independent registered public accounting firm, as the auditors of the Company for 2023, and to authorize the directors to fix the remuneration of the auditors, as set out on page 15 of the Proxy Statement.

FOR WITHHOLD

3. Say-on-Pay Advisory Vote

Vote on a non-binding, advisory proposal to approve the Company's named executive officer compensation through an advisory resolution, commonly referred to as a "Say-on-Pay" vote, as set out on pages 15-16 of the Proxy Statement.

FOR AGAINST ABSTAIN

I/We authorize you to act in accordance with my/our instructions set out above. I/We hereby revoke any proxy previously given with respect to the Meeting. **If no voting instructions are indicated above, this Proxy will be voted "FOR" for all proposals by management's appointees or, if you appoint another proxyholder, as that other proxyholder sees fit. On any amendments or variations proposed or any new business properly submitted before the Meeting, I/We authorize you to vote as you see fit.**

To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method.

Signature of Shareholder Date: Signature of Shareholder Date:

Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.