



320 Bay Street, 14th Floor
 Toronto, ON M5H 4A6
 www.computershare.com

Security Class

Holder Account Number

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Form of Proxy - Annual General and Special Meeting to be held on June 4, 2026

This Form of Proxy is solicited by and on behalf of Management of Ur-Energy Inc.

Notes to proxy

1. Every holder has the right to appoint some other person or company of their choice, who need not be a holder, to attend and act on their behalf at the meeting or any adjournment or postponement thereof. If you wish to appoint a person or company other than the persons whose names are printed herein, please insert the name of your chosen proxyholder in the space provided (see reverse).
2. If the securities are registered in the name of more than one owner (for example, joint ownership, trustees, executors, etc.), then all those registered should sign this proxy. If you are voting on behalf of a corporation or another individual you must sign this proxy with signing capacity stated, and you may be required to provide documentation evidencing your power to sign this proxy. If you are voting on behalf of a corporation you are required to provide your name and designation of office, e.g., ABC Inc. per John Smith, President.
3. This proxy should be signed in the exact manner as the name(s) appear(s) on the proxy.
4. If this proxy is not dated, it will be deemed to bear the date on which it is mailed by Management to the holder.
5. **The securities represented by this proxy will be voted as directed by the holder, however, if such a direction is not made in respect of any matter, this proxy will be voted as recommended by the Board of Directors.**
6. The securities represented by this proxy will be voted in favor or withheld from voting or voted against each of the matters described herein, as applicable, in accordance with the instructions of the holder, on any ballot that may be called for and, if the holder has specified a choice with respect to any matter to be acted on, the securities will be voted accordingly.
7. This proxy confers discretionary authority in respect of amendments or variations to matters identified in the Notice of Meeting or other matters that may properly come before the meeting or any adjournment or postponement thereof.
8. This proxy should be read in conjunction with the accompanying documentation provided by Management and the Board of Directors.
9. If the meeting is adjourned or postponed, your proxy must be received by 1:00 p.m. (Mountain Time) on the last business day preceding the day of the reconvened meeting.

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Proxies submitted must be received by 11:59 p.m. ET, on June 1, 2026.

VOTE USING THE TELEPHONE OR INTERNET 24 HOURS A DAY 7 DAYS A WEEK!



To Vote Using the Telephone

- Call the number listed BELOW from a touch tone telephone.

1-866-732-VOTE (8683) Toll Free



To Vote Using the Internet

- Go to the following web site:
www.investorvote.com
- **Smartphone?**
Scan the QR code to vote now.



To Receive Documents Electronically

- You can enroll to receive future securityholder communications electronically by visiting www.investorcentre.com.

If you vote by telephone or the Internet, DO NOT mail back this proxy.

Voting by mail may be the only method for securities held in the name of a corporation or securities being voted on behalf of another individual.

Voting by mail or by Internet are the only methods by which a holder may appoint a person as proxyholder other than the Management nominees named on the reverse of this proxy. Instead of mailing this proxy, you may choose one of the two voting methods outlined above to vote this proxy.

To vote by telephone or the Internet, you will need to provide your CONTROL NUMBER listed below.

CONTROL NUMBER



Appointment of Proxyholder

I/We being holder(s) of Ur-Energy Inc. common shares hereby appoint: John W. Cash, Chairman or, failing him, David A. Ritchie, Corporate Secretary

OR

Print the name of the person you are appointing if this person is someone other than the Management Nominees listed herein.

as my/our proxyholder with full power of substitution and to attend, act and to vote for and on behalf of the holder in accordance with the following direction (or if no directions have been given, as the proxyholder sees fit) and on all other matters that may properly come before the Annual General and Special Meeting of shareholders of Ur-Energy Inc. to be held at the Hampton Inn & Suites, 7611 Shaffer Parkway, Littleton, Colorado 80127, on June 4, 2026 at 1:00 p.m. MDT, and at any adjournment or postponement thereof.

VOTING RECOMMENDATIONS ARE INDICATED BY **HIGHLIGHTED TEXT** OVER THE BOXES.

1. Election of Directors

	For	Against		For	Against		For	Against
01. John W. Cash	<input type="checkbox"/>	<input type="checkbox"/>	02. Rob Chang	<input type="checkbox"/>	<input type="checkbox"/>	03. Elmer W. Dyke	<input type="checkbox"/>	<input type="checkbox"/>
04. Matthew D. Gill	<input type="checkbox"/>	<input type="checkbox"/>	05. Gary C. Huber	<input type="checkbox"/>	<input type="checkbox"/>	06. Thomas H. Parker	<input type="checkbox"/>	<input type="checkbox"/>
07. John Paul Pressey	<input type="checkbox"/>	<input type="checkbox"/>	08. Kathy E. Walker	<input type="checkbox"/>	<input type="checkbox"/>			

For **Withhold**

2. Appointment of Auditors

Appointment of BDO USA, P.C. as auditors of the Company for the ensuing year and authorizing the Board of Directors to fix their remuneration.

For **Against**

3. Say on Pay

Approve in an advisory (non-binding) vote the compensation of the Company's named executive officers.

1 Year 2 Years 3 Years **Abstain**

4. Say When on Pay

Conduct an advisory (non-binding) vote regarding the frequency of the say-on-pay votes.

For **Against**

5. Stock Option Plan Resolution

Ratify, confirm and approve the renewal of the Ur-Energy Inc. Amended and Restated Stock Option Plan 2005, and approve and authorize for a period of three years all unallocated stock options issuable pursuant to the Option Plan.

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Authorized Signature(s) - This section must be completed for your instructions to be executed.

Signature(s)

Date

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 as recommended by the Board of Directors. If you are voting on behalf of a corporation you are required to provide your name and designation of office, e.g., ABC Inc. per John Smith, President.

DD / MM / YY

Signing Capacity

Interim Financial Statements – Mark this box if you would like to receive Interim Financial Statements and accompanying Management's Discussion and Analysis by mail.

Annual Financial Statements – Mark this box if you would NOT like to receive the Annual Financial Statements and accompanying Management's Discussion and Analysis by mail.

If you are not mailing back your proxy, you may register online to receive the above financial report(s) by mail at www.computershare.com/maillinglist.

