



8th Floor, 100 University Avenue
Toronto, Ontario M5J 2Y1
www.computershare.com

Security Class

Holder Account Number

Fold

Form of Proxy - Annual General and Special Meeting to be held on August 26, 2015

This Form of Proxy is solicited by and on behalf of Management.

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.
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 Management.**
6. The securities represented by this proxy will be voted in favour 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.

Fold

Proxies submitted must be received by 11:00 am, Atlantic Daylight Time, on August 24, 2015.

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.computershare.com/eDelivery and clicking on "eDelivery Signup".

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 Ucore Rare Metals Inc. (the "Corporation") hereby appoint: James McKenzie, Chairman, President and Chief Executive Officer, or failing him, Peter Manuel, CFO and 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 shareholder in accordance with the following direction (or if no directions have been given, as the proxyholder sees fit) and all other matters that may properly come before the Annual General and Special Meeting of Shareholders of Ucore Rare Metals Inc. to be held at Computershare Investor Services Inc., 1969 Upper Water Street, Purdy's Wharf, Tower 2, Suite 2008, Halifax, NS on August 26, 2015 at 11:00 a.m., (Atlantic Daylight Time) and at any adjournment or postponement thereof.

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

For

Against

1. Number of Directors

The fixing of the number of Directors of the Corporation at five (5).

2. Election of Directors

For Withhold

For Withhold

For Withhold

01. Jos De Smedt

02. James McKenzie

03. Dr. Jaroslav Dostal

04. Patrick Ryan

05. Geoff Clarke

For

Withhold

3. Appointment of Auditors

The appointment of KPMG LLP, Chartered Accountants, as Auditors of the Corporation for the ensuing year and authorizing the directors to fix their remuneration.

For

Against

4. Stock Option Plan

The approval of the Corporation's 10% rolling stock option plan, as required annually by the policies of the TSX Venture Exchange.

For

Against

5. By-Laws

To approve an amendment to the Corporation's By-Laws, concerning an advance notice provision as set out in the management information circular dated July 29, 2015.

For

Against

6. Deferred Share Unit Plan

To approve the Corporation's proposed Deferred Share Unit Plan, the particulars of which are set out in the management information circular dated July 29, 2015.

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

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 Management.

Signature(s)

Date

DD / MM / YY

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.



B H P Q

2 1 3 1 6 9

A R 2

