



GRAN TIERRA ENERGY INC.



Trader's Bank Building
702, 67 Yonge Street
Toronto, On M5E 1J8

Form of Proxy – Annual Meeting to be held on May 3, 2023

Appointment of Proxyholder

I/We being the undersigned holder(s) of Gran Tierra Energy Inc. hereby appoint Gary S. Guidry and Ryan Ellson, or either of them,

OR Print the name of the person you are appointing if this person is someone other than the Proxyholders listed herein:

Empty box for printing the name of the appointed person.

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 indicated in the Notes to Proxy below) and all other matters that may properly come before the Annual Meeting of Stockholders (the "Meeting") of Gran Tierra Energy Inc. (the "Corporation") to be held virtually at https://web.lumiagm.com/251955864 on WEDNESDAY, MAY 3, 2023, AT 10:00 A.M. (MOUNTAIN TIME) or at any adjournment thereof.

The Board of Directors recommend a vote FOR all the nominees listed in Proposal 1 and FOR Proposals 2, 3 and 4.

Table with 4 main rows and 12 columns. Columns are grouped into three sets of 'For', 'Against', and 'Abstain'. Rows include: 1. Election of Directors (a-i), 2. Proposal to ratify KPMG LLP, 3. Proposal to approve compensation, 4. Proposal to approve reverse stock split.

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 the Board of Directors.

Signature(s):

Two horizontal lines for signature.

Date

MM / DD / YY date format with slashes and lines.

Annual Financial Statements – Check the box to the right if you would like to DECLINE to receive the Annual Financial Statements and accompanying Management's Discussion and Analysis by mail.

Small empty checkbox.

This form of proxy is solicited by and on behalf of the Board of Directors.

Proxies must be received by 10:00 am, Mountain Time, on May 1, 2023.

Notes to Proxy

1. Each holder has the right to appoint a person, who need not be a holder, to attend and represent him or her at the Meeting. If you wish to appoint a person other than the persons whose names are printed herein, please insert the name of your chosen proxyholder in the space provided on the reverse.
2. If the securities are registered in the name of more than one holder (for example, joint ownership, trustees, executors, etc.) then all of the registered owners must sign this proxy in the space provided on the reverse. If you are voting on behalf of a corporation or another individual, you may be required to provide documentation evidencing your power to sign this proxy with signing capacity stated.
3. This proxy should be signed in the exact manner as the name appears on the proxy.
4. If this proxy is not dated, it will be deemed to bear the date on which it is mailed by the holder.
5. The securities represented by this proxy will be voted as directed by the holder. If no such directions are made, this proxy will be voted **FOR** all the nominees listed in Proposal 1 and **FOR** Proposals 2, 3 and 4. The proxyholders named above are hereby authorized to vote in their discretion upon such other business as may properly come before the Meeting or any adjournment or postponement thereof.
6. The securities represented by this proxy will be voted or withheld from voting, 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 to matters identified in the Notice of Meeting or other matters that may properly come before the Meeting.
8. This proxy should be read in conjunction with the accompanying documentation provided by Gran Tierra Energy Inc. .

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting to be Held on May 3, 2023.

The Notice, Proxy Statement and Annual Report are available at: <https://www.grantierra.com/investor-relations/2023-annual-meeting>

INSTEAD OF MAILING THIS PROXY, YOU MAY SUBMIT YOUR PROXY USING SECURE ONLINE VOTING:



To Vote Your Proxy Online please visit:

<https://login.odysseystrust.com/pxlogin>
and click on

VOTE

. You will require the **CONTROL NUMBER** printed with your address to the right. If you vote by Internet, **do not mail** this proxy.

To request the receipt of future documents via email and/or to sign up for Securityholder Online services, you may contact Odyssey Trust Company at www.odysseystrust.com

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. A return envelope has been enclosed for voting by mail.