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ENERGY FUELS INC.

Proxy for Annual and Special Meeting of Shareholders on June 11, 2024 Solicited on Behalf of the Board of Directors

I/We, being holder(s) of Common Shares of Energy Fuels Inc. (the “Company”), hereby appoint: Mark S. Chalmers, President and Chief Executive Officer, or, failing him, David C. Frydenlund, Executive Vice President, or _____
(print the name of the person you are appointing if this person is someone other than the individuals listed above) as proxyholder of the undersigned, to attend, act and vote on behalf of the undersigned in accordance with the below direction (or if no directions have been given, as the proxyholder sees fit) on all the following matters and any other matter that may properly come before the Annual and Special Meeting of Shareholders of the Company (the “Meeting”). Further details regarding the Meeting, the matters to be voted on at the Meeting and how to vote can be found in the Proxy Statement of the Company dated April 24, 2024 (the “Proxy Statement”).

(Continued and to be signed on the reverse side)