

NXT ENERGY SOLUTIONS INC. ANNOUNCES RELEASE DATE FOR ITS SECOND QUARTER 2021 RESULTS AND CONFERENCE CALL

CALGARY, AB, August 5, 2021 – NXT Energy Solutions Inc. ("NXT" or the "Company") (TSX:SFD; OTC QB:NSFDF) announces it will release its second quarter 2021 financial and operating results for the quarter ended June 30, 2021, on Thursday, August 12, 2021 after market close. A conference call to discuss the second quarter 2021 results will be held on Monday, August 16, 2021 at 4:30 p.m. Eastern Time (2:30 p.m. Mountain Time).

Details of the conference call are as follows:

Date:	Monday, August 16, 2021
Time:	4:30 p.m. Eastern Time (2:30 p.m. Mountain Time)
Participants call:	1-855-783-0506
Conference ID:	6992038

NXT's second quarter 2021 financial and operating results will be filed in Canada on SEDAR at www.sedar.com and will be available in the USA on EDGAR at www.sec.gov/edgar. The financial and operating results will also available on NXT's website at www.nxtenergy.com.

About NXT Energy Solutions Inc.

NXT Energy Solutions Inc. is a Calgary-based technology company whose proprietary SFD® survey system utilizes quantum-scale sensors to detect gravity field perturbations in an airborne survey method which can be used both onshore and offshore to remotely identify traps and reservoirs with exploration potential. The SFD® survey system enables our clients to focus their exploration decisions concerning land commitments, data acquisition expenditures and prospect prioritization on areas with the greatest potential. SFD® is environmentally friendly and unaffected by ground security issues or difficult terrain and is the registered trademark of NXT Energy Solutions Inc. NXT Energy Solutions Inc. provides its clients with an effective and reliable method to reduce time, costs, and risks related to exploration.

Contact Information

For investor and media inquiries please contact:

Mr. Eugene Woychyshyn VP Finance & CFO 302-3320 17th Avenue SW Calgary, AB, T3E 0B4 +1-403-206-0805 nxt_info@nxtenergy.com www.nxtenergy.com Mr. George Liszicasz President & CEO 302-3320 17th Avenue SW Calgary, AB, T3E 0B4 +1-403-206-0800 nxt_info@nxtenergy.com www.nxtenergy.com