

## OTCQB Certification

I, Eugene Woychyshyn, VP of Finance & CFO of NXT Energy Solutions Inc. ("the Company"), certify that:

1. The Company is registered or required to file periodic reporting with the SEC or is exempt from SEC registration as indicated below:

**REGISTERED or REPORTING WITH THE SEC:**

- ☐ Company is registered under Section 12(g) of the Exchange Act  
☒ Company is reporting under Section 15(d) of the Exchange Act.  
☐ Company is a bank that reports to a Bank Regulator under Section 12(i) of the Exchange Act  
☐ Company is reporting under Regulation A (Tier 2)  
☐ Other (describe) \_\_\_\_\_

**EXEMPT FROM SEC REGISTRATION/NO SEC REPORTING OBLIGATIONS:**

- ☐ Company is exempt from registration under Exchange Act Rule 12g3-2(b)  
☐ Company is a bank that is non-SEC reporting but is current in its reporting to a Banking Regulator  
☐ Company is reporting under the Alternative Reporting Company Disclosure Guidelines and is otherwise exempt from registration and not required to file periodic reporting with the SEC

2. The Company is current in its reporting obligations as of the most recent fiscal year end and any subsequent quarters, and such information has been posted either on the SEC's EDGAR system or the OTC Disclosure & News Service, as applicable.
3. The company is duly organized, validly existing and in good standing under the laws of the state or jurisdiction in which the Company is organized or does business.
4. The share information below is for the primary OTCQB traded security as of the latest practicable date:

US Trading Symbol:		<u>NSFDF</u>	<u>As of (date):</u>
Shares Authorized	(A)	<u>Unlimited</u>	<u>April 26, 2024</u>
Total Shares Outstanding	(B)	<u>78,157,389</u>	<u>April 26, 2024</u>
Number of Restricted Shares <sup>1</sup>	(C)	<u>0</u>	<u>April 26, 2024</u>
Unrestricted Shares Held by Officers, Directors, 10% Control Persons & Affiliates	(D)	<u>36,177,123</u>	<u>April 26, 2024</u>
Public Float: <i>Subtract Lines C and D from Line B</i>	(E)	<u>41,980,266</u>	<u>April 26, 2024</u>
% Public Float: <i>Line E Divided by Line B (as a %)</i> <sup>2</sup>	(F)	<u>53.7%</u>	<u>April 26, 2024</u>
Number of Beneficial Shareholders of at least 100 shares <sup>3</sup>	(G)	<u>Aproximately 1,400</u>	<u>April 26, 2024</u>

<sup>1</sup> Restricted Shares means securities that are subject to resale restrictions for any reason. Your transfer agent should be able to provide the total number of restricted securities.

<sup>2</sup> Public Float means the total number of unrestricted shares not held directly or indirectly by an officer, director, any person who is the beneficial owner of more than 10 percent of the total shares outstanding (a "10 percent Control Person"), or any Affiliates thereof, or any Family Members of officers, directors, and control persons. Family Member shall mean a Person's spouse, parents, children, and siblings, whether by blood, marriage or adoption, or anyone residing in such Person's home. OTCQB traded securities are required to have a freely traded public float of at least 10% of the shares outstanding unless an exemption applies.

<sup>3</sup> Beneficial Shareholder means any person who, directly or indirectly has or shares voting power of such security or investment power, which includes the power to dispose, or to direct the disposition of, such security. OTCQB traded securities are required to have at least 50 beneficial shareholders unless an exemption applies.

## 5. Convertible Debt:

The following is a complete list of all promissory notes, convertible notes, convertible debentures, or any other debt instruments that may be converted into a class of the issuer's equity securities that were issued or outstanding at any time during the last complete fiscal year and any interim period between the last fiscal year end and the date of this OTCQB Certification. **(If the note is no longer outstanding as of the current date, but was outstanding during the previously described period, the note must still be disclosed in the table below.):**

☐ Check this box to confirm there were no promissory notes, convertible notes, or other convertible debt arrangements issued or outstanding at any point during this period.

Date of Note Issuance	Principal Amount at Issuance (\$)	Outstanding Balance (\$) (include accrued interest)	Maturity Date	Conversion Terms (e.g., pricing mechanism for determining conversion of instrument to shares)	# Shares Converted to Date	# of Potential Shares to be Issued Upon Conversion <sup>4</sup>	Name of Noteholder (entities must have individual with voting / investment control disclosed). <sup>5</sup>	Reason for Issuance (e.g., Loan, Services, etc.)
May 31, 2023	1,200,000	1,200,000	May 31, 2025	\$0.143	0	8,391,608	Ataraxia Capital	Working Capital
July 10, 2023	200,000	200,000	July 10, 2025	\$0.143	0	1,398,601	Ataraxia Capital	Working Capital
Nov. 8, 2023	1,000,000	1,000,000	Nov. 8, 2025	\$0.1808	0	5,530,973	MCAPM, LP and Michael Mork and Michael P. Mork	Working Capital
Dec. 22, 2023	150,000	150,000	Dec. 22, 2025	\$0.1808	0	829,646	Non insider	Working Capital
Jan. 12, 2024	200,000	200,000	Jan. 12, 2026	\$0.1808	0	1,106,194	Non-insiders	Working Capital
Jan. 12, 2024	32,000	32,000	Jan. 12, 2026	\$0.1808	0	176,991	Bruce G. Wilcox, CEO	Working Capital
Jan. 12, 2024	12,000	12,000	Jan. 12, 2026	\$0.1808	0	66,371	Charles Selby, Director	Working Capital
Jan. 12, 2024	45,000	45,000	Jan. 12, 2026	\$0.1808	0	248,893	Gerald Sheehan, Director	Working Capital
Jan. 12, 2024	17,000	17,000	Jan. 12, 2026	\$0.1808	0	94,026	John Tilson, Director	Working Capital
Jan. 12, 2024	375,000	375,000	Jan. 12, 2026	\$0.1808	0	2,074,115	MCAPM, LP and Michael Mork and Michael P. Mork	Working Capital
Jan. 12, 2024	7,000	7,000	Jan. 12, 2026	\$0.1808	0	38,716	Theodore Patsellis	Working Capital
Jan. 12, 2024	34,000	34,000	Jan. 12, 2026	\$0.1808	0	188,053	Thomas Valentine	Working Capital
<b>Total Outstanding Balance:</b>		3,272,000	<b>Total Shares:</b>		0	10,353,978		

Use the space below to provide any additional details, including footnotes to the table above:

Interest is 10% per annum and paid quarterly. All interest is current. All amounts in the schedule are in United States Dollars. Conversion at the option of the debenture holder.

<sup>4</sup> The total number of shares that can be issued upon full conversion of the Outstanding Balance. The number should not factor any "blockers" or limitations on the percentage of outstanding shares that can be owned by the Noteholder at a particular time. For purposes of this calculation, please use the current market pricing (e.g. most recent closing price, bid, etc.) of the security if conversion is based on a variable market rate.

<sup>5</sup> International Reporting Companies may elect not to disclose the names of noteholders who are non-affiliates of the company. "Affiliate" is a Person that directly, or indirectly through one or more intermediaries, controls or is controlled by, or is under common control with, an officer, a director, or a shareholder beneficially owning 10 percent or more of the Company's outstanding shares.

6. Disclosure and Administrative Service Providers:

Annual Report Preparation:

List any law firm(s) and attorney(s) (including internal counsel) that acted as the Company's primary legal counsel in preparing its most recent annual report. (If no attorney assisted in putting together the disclosure, identify the person(s) who prepared the disclosure and their relationship to the company.)

Dorsey Whitney LLP, Kimberly Andersen

Ongoing Disclosure and Administrative Services:

List any other attorney or service provider, if different than the primary legal counsel listed above, that assisted the company during the prior fiscal year on any matter related to preparation of company disclosure documents, corporate actions and activities related to submission of a Form 211 or OTC Markets' Application. **Please include the following items in this list: firm name, firm address, primary contact name and description of services provided.** If none, please state "None."

None

7. Investor Relations Providers:

The following is a complete list of third-party providers engaged by the Company, its officers, directors or controlling shareholders, at any time during the last complete fiscal year and any interim period between the last fiscal year end and the date of this OTCQB Certification, to provide investor relations services, public relations services, marketing, brand awareness, stock promotion, or any other related services to the Company. **Please include the following items in this list: firm name, firm address, primary contact name and description of services provided.** If none, please state "None."

None

8. Officers, Directors and 5% Control Persons:

The following is a complete list of Officers, Directors and 5% Control Persons (control persons are beneficial owners of five percent (5%) or more of any class of the issuer's equity securities). Preferred shares, options, warrants that can be converted into common shares within the next 60 days should be included in the shareholdings listed below.

**For beneficial shareholders that are corporate entities:** Provide the name and address of the person(s) owning or controlling such corporate entities. If the corporate entity owning 5% or more does not have a person(s) owning or controlling it, provide a note explaining why. If the corporate entity is a publicly traded company, provide the company's trading symbol and market.

**For nominee accounts owning 5% or more:** Provide the name of the 5% beneficial shareholder for this account. If there are no beneficial shareholders of 5% or more behind a nominee account, the nominee account does not need to be included in the table below.

**For issuers exempt from registration under Exchange Act Rule 12g3-2(b):** Complete the table below with the information described above for Officers, Directors and 10% Control Persons.

Name (First, Last)	Position/company affiliation (ex: CEO, 5% control person)	City and State (And Country if outside US)	Number of Shares Owned (List common, preferred, warrants and options separately)	Class of shares owned	Percentage of Class of Shares Owned (undiluted)
John Tilson	Director	Montecito, California	6,887,490	Common	8.81%
Charles Selby	Director	Calgary, Alberta, Canada	408,161	Common	0.52%
Thomas Valentine	Director	Calgary, Alberta, Canada	110,800	Options	n/a
Bruce Wilcox	CEO/Director	New York, New York	565,000	Common	0.72%
Eugene Woychyshyn	CFO	Calgary, Alberta, Canada	805,017	Common	1.03%
Gerry Sheehan	Director	Dublin, Ireland	77,000	Common	0.10%
Alberta Green Ventures Limited Partnership, Ben Shani Director of Alberta Green Ventures GP Inc., Calgary, Alberta	5% control person	Calgary, Alberta, Canada	6,764,945	Common	8.66%
MCAPM, LP and Michael Mork and Michael P. Mork	5% control person	Healdsburg, California	14,921,233	Common	19.09%
Chee Pheng Cheng	5% control person	Calgary, Alberta, Canada	12,513,222	Common	16.01%
John Tilson	Director	Montecito, California	272,920	Options	n/a
Charles Selby	Director	Calgary, Alberta, Canada	275,050	Options	n/a
Bruce Wilcox	Director	New York, New York	52,650	Options	n/a
Theodore Patsellis	Director	Athens, Greece	36,400	Options	n/a

Use the space below to provide any additional details, including conversion terms of any class of the issuer's equity securities:

Options presented are fully vested.

#### 9. Certification:

Date: April 26, 2024

Name of Certifying CEO or CFO: Eugene Woychyshyn

Title: VP of Finance and CFO

Signature: "/s/ Eugene Woychyshyn"  
(Digital Signatures should appear as "/s/ [OFFICER NAME]")