**About Us**

Northstar Clean Technologies Inc. ("Northstar") (TSXV:ROOF) is a Vancouver-based clean technology company focused on the recovery and repurposing of single-use asphalt shingles. We completed a $12.24M financing and a subsequent listing onto the TSX Venture Exchange in July 2021. We are led by a team of experienced and successful industry professionals with significant strategic, commercial, operational and capital markets experience.

**Mission**

Our mission is to be the leading shingle material recovery provider in North America, extracting 99% of the recovered components from single-use asphalt shingles that would otherwise be sent to a landfill. Our clean technology solution is expected to have a significant impact on the environment by reducing landfill usage, reducing the CO₂ impact of asphalt, fiber and aggregate production, and contributing to the "circular economy".

**Leadership Team**

- **Aidan Mills, P.Eng., MBA**
  President & CEO, Director
- **Gord Johnson**
  Co-Founder, Director of Business Development
- **Jim Bird, P.Eng**
  Technical Advisor
- **Allen Gervais, CPA, CGA**
  General Manager, Alberta
- **Carson Sedun, MBA**
  Director of Corporate Development
- **James Currie, P.Eng**
  Executive Chairman
- **Neil Currie**
  Director
- **James Borkowski, C.Dir**
  Director
- **Terry Charles**
  Co-Founder, Director of Special Operations
- **Brian Storseth**
  Advisor
- **Dave & Tammy Wood**
  General Manager, Ontario
- **Diana Mark**
  Corporate Secretary

**Investor Highlights**

- **Proven Clean Technology** - Environmentally-friendly processing solution for single-use asphalt shingles.
- **Proprietary Design Process** - Proprietary design process to recover the components of shingles.
- **Off-Take Agreement In Place** - Off-take agreement signed for 100% of liquid asphalt production.
- **Fully Constructed Facility** - Fully constructed Empower Facility (steady state production in Q1 2022).
- **Low Capex National Rollout** - Expansion opportunities throughout Canada and the USA.
- **Supportive Environment** - Current macro and political environment is supportive of circular economy options.
- **Strong Commercial Model** - Rising tipping fees and demand for high quality repurposed products.
- **Five Stream Revenue Model** - Includes inputs (tipping fees), outputs (liquid asphalt, fiber, aggregate), and potential carbon credits.

**Opportunity and Market Overview**

Limited Processing Solutions for Asphalt Shingles

- **84%** of homes in the USA are roofed with asphalt shingles annually

Significant Market Opportunity

- **$1.35bn** estimated annual market size in Canada
- **$7bn** estimated annual market size in the United States

Independent Carbon Footprint Analysis

- **60% CO₂ eq. emission savings from Empower facility**
- **121.94 kg** per tonne of net estimated CO₂ eq. emission savings

Q1 2022

northstarcleantech.com
OUR PROPRIETARY CLEAN TECHNOLOGY

Our “Bitumen Extraction and Separation Technology” (BEST) utilizes a proprietary process to separate the liquid asphalt, fiber, and aggregate components. The process is patentable and we have met with patent attorneys to discuss the filing of a process patent.

Common everyday uses of our products include the following: roads, highways, driveways, and parking lots; aircraft & defense manufacturing; boats & watercraft; shingle manufacturing; road construction; embankment construction.

EMPOWER FACILITY: DELTA, BC

DELIVERY OF STRATEGIC NEXT STEPS

CO2 Footprint Analysis
Recently completed independent Life-Cycle Assessment to quantify the environmental advantage of Northstar’s process design over virgin production. Evaluating possibilities for CO2 credits to customers.

Engineering Design Study
Recently selected BBA as independent engineering firm to complete the engineering study. We expect to design an optimized and engineered facility that could be rolled out into all key market jurisdictions.

Market Analysis
Evaluating and conducting analysis on various target markets and customer options. Engaged with Wellington Dupont to support in potential non-dilutive funding opportunities.

OUR PROPRIETARY PROCESS

ASPHALT SHINGLES -> GRINDING -> PROCESSING -> SEPARATION

POTENTIAL REVENUE STREAMS

TIPPING FEES, LIQUID ASPHALT, FIBER, AGGREGATE, CARBON CREDITS

Q1 2022
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