rainforest energy

powering humanity

Clean Fuel for a Community Circular Economy

Fall 2024

Disclaimer

Corporate and other information provided herein contains forward-looking statements and proforma calculations. The reader is cautioned that the assumptions used in the preparation of such information and calculations, which are considered reasonable by Rainforest Energy Corp. ("RFE") at the time of preparation, may prove to be incorrect.

Actual results achieved during the forecast and prior periods will vary from the information provided herein and the variations may be material. There is no representation by RFE that actual results achieved during the forecast and prior periods will be the same in whole or in part as those projected. In addition, the technologies described herein have risk and future results may differ materially from those anticipated.


ORGANIC WASTE
+ METHANE
= CLEAN FUEL

Vision & Value Proposition

"Net Zero GHG energy is possible at an affordable price."

- *Rainforest Energy ("RFE") achieves this by converting non-food inputs into low-GHG fuel at a competitive cost.*
- *The community-size scale of each facility allows for low-cost access to feedstock and a circular economy for local business ventures to prosper across seven generations.*
- *Job creation and opportunities are distributed where they are needed the most: Indigenous and rural communities.*

rainforest Energy

The Problem

"A Net Zero energy outcome poses market challenges"

1) Expensive energy transition

- Energy back-up and storage drives costs up
- Large-scale infrastructure capacity investments
- Resulting all-in Levelized Cost Of Energy is high

2) Renewable energy feedstock competition

- Land use competition between farming and energy
- Dual markets for biofuel food inputs inflate costs
- Biomass transportation costs discourage collection

3) Energy import risk

- Import reliance is an economic sovereignty risk
- Distant biomass supply is expensive and vulnerable
- Expensive incentives for competitive market supply

rainforest Energy

The Solution

"Local non-food inputs plus CCS at attractive pricing."
(CCS = carbon capture & storage)

1) Affordable energy transition

- Proven equipment configured for low-cost, low-carbon output
- On-site injection of captured CO_2 for low-cost CCS
- Fits well into existing energy infrastructure at fossil fuel prices

2) Limited feedstock competition

- Non-food inputs: forestry and agricultural residues, MSW *
- Methane: nat gas, local manure methanation, hydrogen
- Robust margin enables viable price to local feedstock suppliers

3) Energy sovereignty

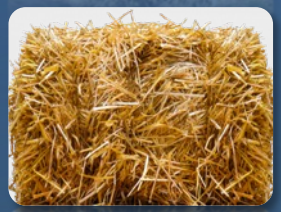
- Local production to displace fossil fuel imports
- Clean LPG production to displace propane/diesel usage
- Process amendment option for future green power, blue H_2 output

* MSW = Municipal Solid Waste (organic components are viable such as paper, cardboard, wood, food, and some plastic).

rainforest Energy

How It Works

Est. CDN $286 million (USD $211 million) total capital outlay



Logging Slash

Straw

Hemp Residue

Waste Biomass

150,000 MT per year

Plus other biomass options

7.2 MMScf/d

Could profitably operate on 100% natural gas if no biomass available

Natural Gas or Bio Methane

Methane Reforming

Biomass Gasification (No Incineration Air Emissions)

Synthesis Gas

Syngas Cleanup

Chemical Catalytic Stages

Blue Hydrogen Amendment Possible

1,461 barrels/day total output

11,800,000 Litres/Year (3,118,000 USG)

LPG (Propane)

Gasoline

73,600,000 Litres/Year (19,285,000 USG)

Super-Major Oil Company Offtake LOI Signed

Co-Products:
- Power
- Water
- Heat

~150,000 MT/year CO_2

CO_2 Removed:
- Commercial Use
- Geological Storage

Commercially Demonstrated Equipment Only

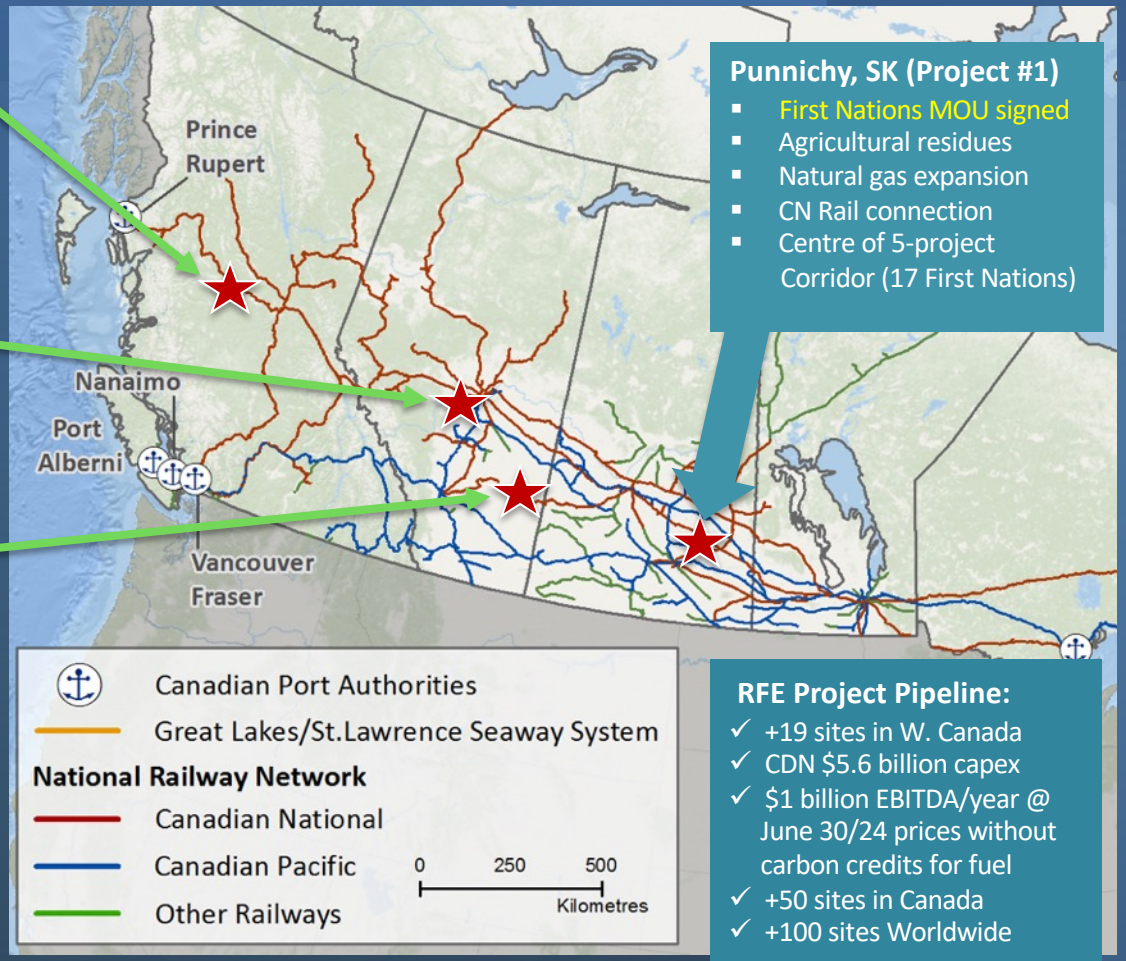
Market Size & Opportunity

Burns Lake, BC
- First Nations interest
- Logging residues
- Natural gas pipeline
- CN Rail connection

Lake Wabamun, AB
- Ex-coal mine site
- Logging & straw residues
- Natural gas expansion
- CN Rail spur connection

Oyen, AB
- Land MOU signed
- Hemp & straw residues
- Natural gas connection
- CN Rail connection

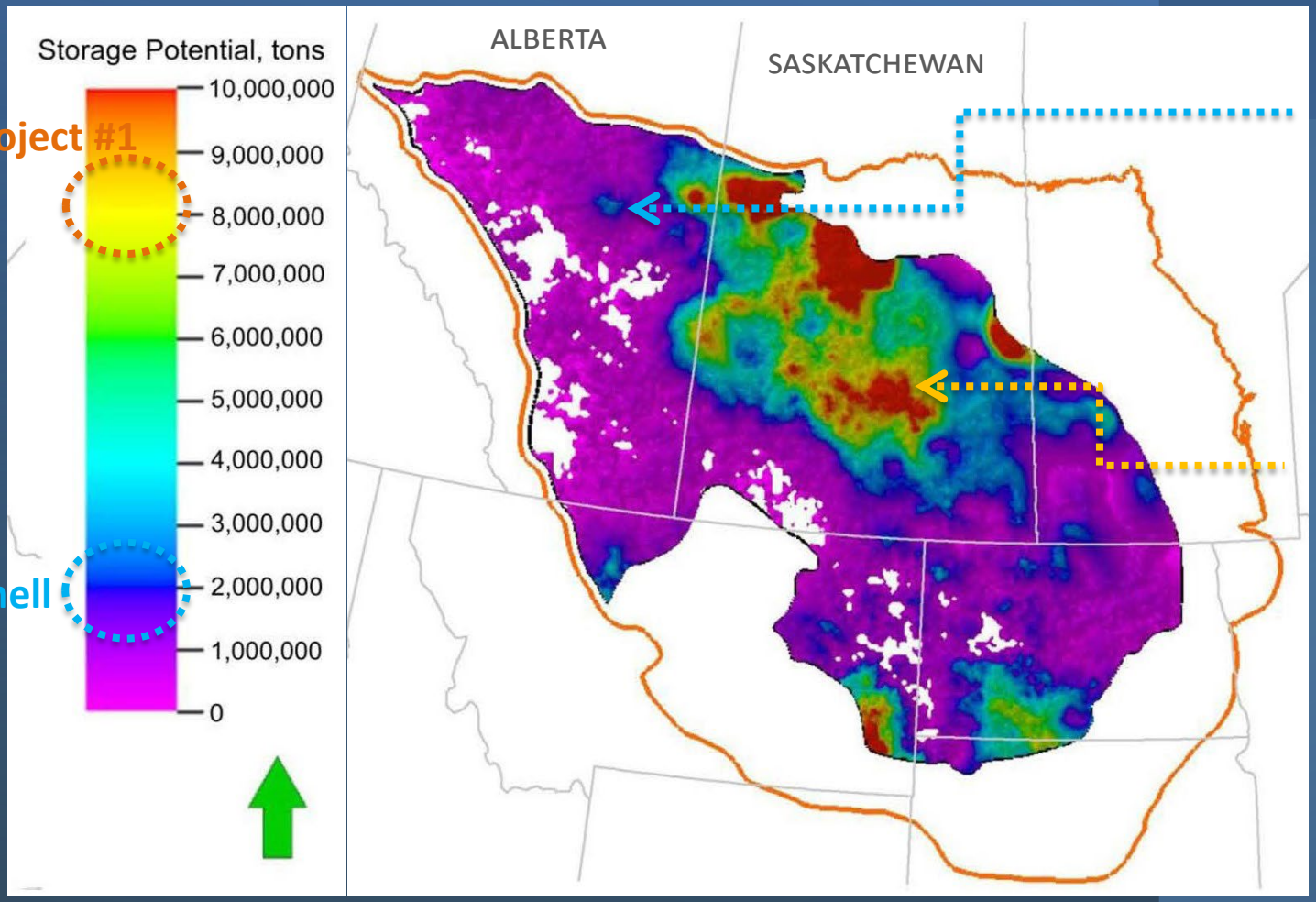
Sites Under Review
4 – British Columbia
5 – Alberta
5 – Saskatchewan
1 – Manitoba
15 – Western Canada



Punnichy, SK (Project #1)
- First Nations MOU signed
- Agricultural residues
- Natural gas expansion
- CN Rail connection
- Centre of 5-project Corridor (17 First Nations)

RFE Project Pipeline:
- ✓ +19 sites in W. Canada
- ✓ CDN $5.6 billion capex
- ✓ $1 billion EBITDA/year @ June 30/24 prices without carbon credits for fuel
- ✓ +50 sites in Canada
- ✓ +100 sites Worldwide

Carbon Capture & Storage



Shell Canada Quest CCS

- ~1,200,000 MT/year
- ~9,000,000 MT thus far

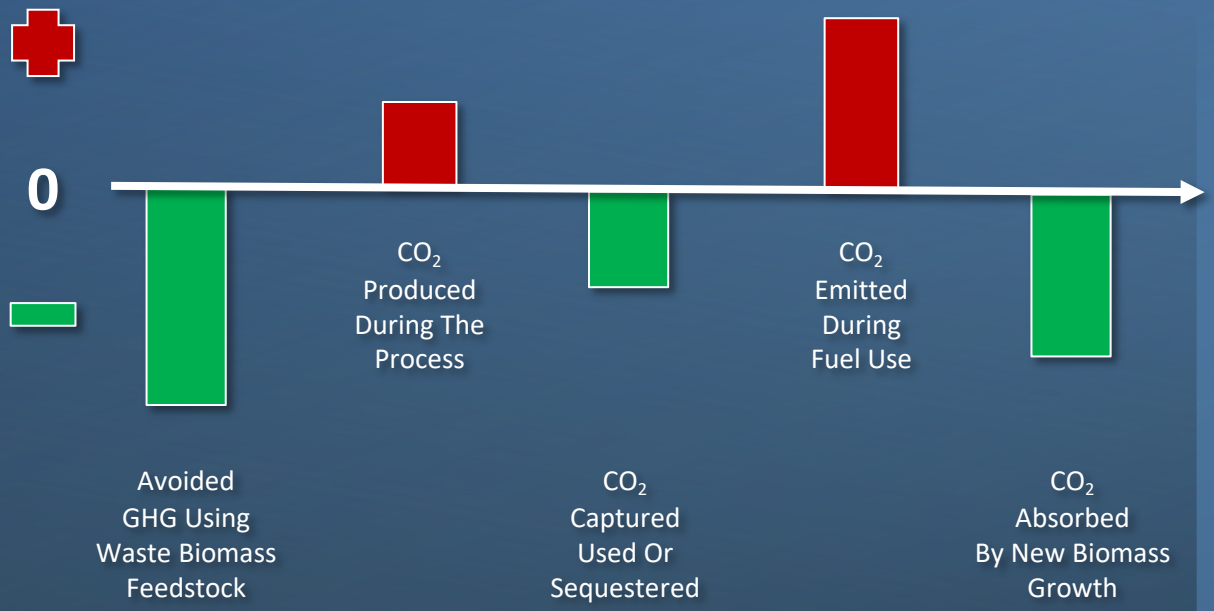
Project #1 CCS Site

- ~150,000 MT/year
- 3,000,000 MT during 20 years

(Map source: International CCS Knowledge Centre)

rainforest Energy

"Net Zero" GHG Outcome

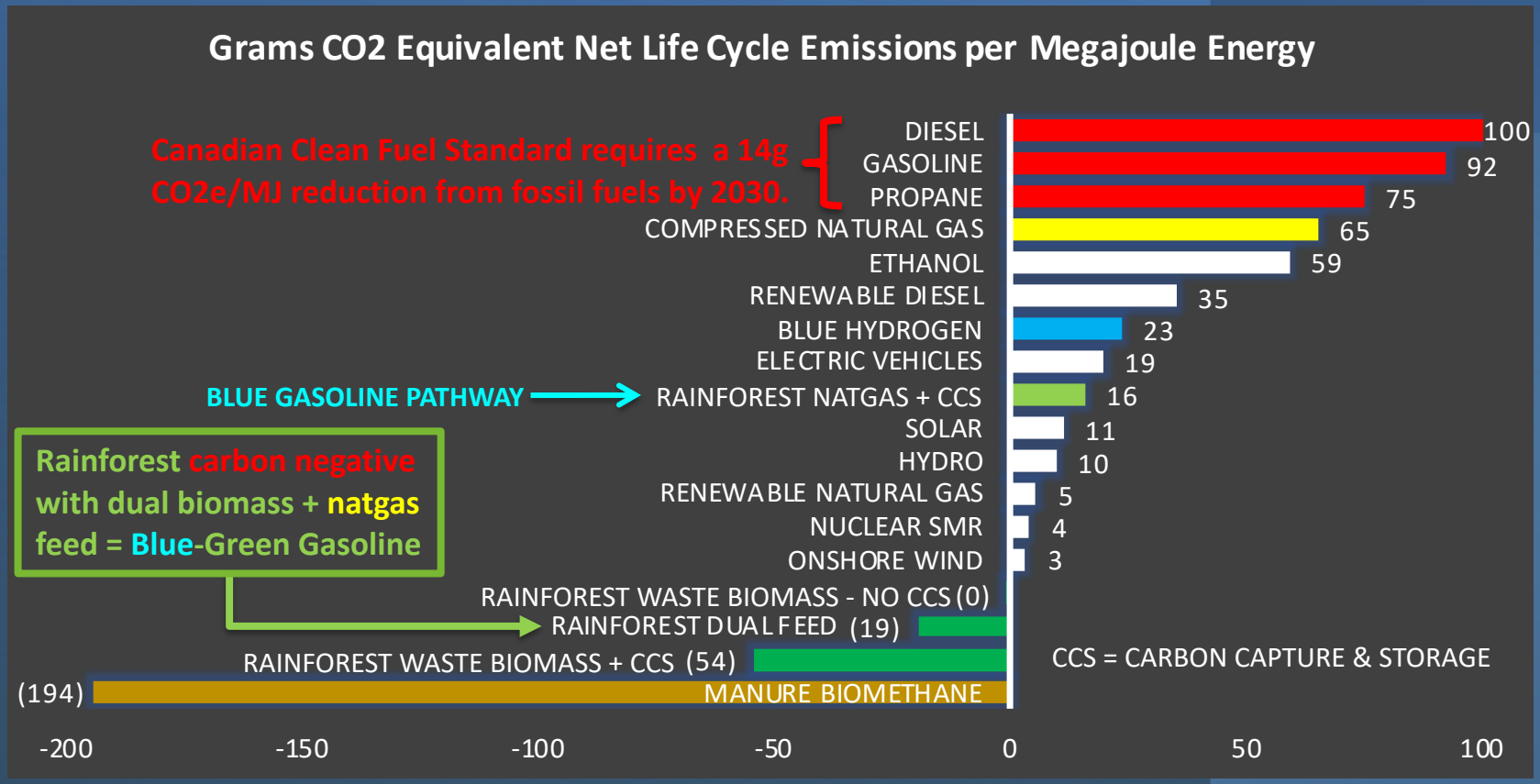


End Result::
Net Zero or Carbon Negative

-19 gCO_2e/MJ
= 248,000 tCO_2e/year net reduction

9

"Net Zero" GHG Pathway



GHG Reduction From Fossil Gasoline:

- Rainforest **blue gasoline** = 83% reduction
- Rainforest **dual feedstock** = 121% reduction
- Rainforest **green gasoline** = 158% reduction

Competitor Carbon Intensity Sources:

- Government of Canada, B.C. LCFS Program
- National Renewable Energy Laboratory
- International Energy Agency
- Pembina Institute, Various Research Papers

rainforest Energy

Market Strategy

Underserviced Canadian Gasoline Demand

Low-GHG Gasoline Because:

- **No blend limit** for Project's gasoline (10% - 15% physical limit for ethanol).
- **Canada needs gasoline** (3.6 billion litres net gasoline/ethanol imports).
- **Canada doesn't need more diesel** (7.5 billion litres net exports).
- Project's gasoline will **be priced between Regular and Premium** with major oil company customers established (super major signed an LOI).
- Feedstock cost for the **Project** is estimated at **$0.26/litre** compared to $0.63 - $1.57 for canola biodiesel and $0.76 - $1.00 for wheat ethanol.
- **LPG (propane)** co-product for an **Indigenous marketing business** with a gross annual margin (est) of $700K (road use) to $2,400K (tax exempt).

✓ **Greater Demand** ✓ **Few Competitors** ✓ **Low Feedstock Cost**

rainforest Energy

Competitive Advantage

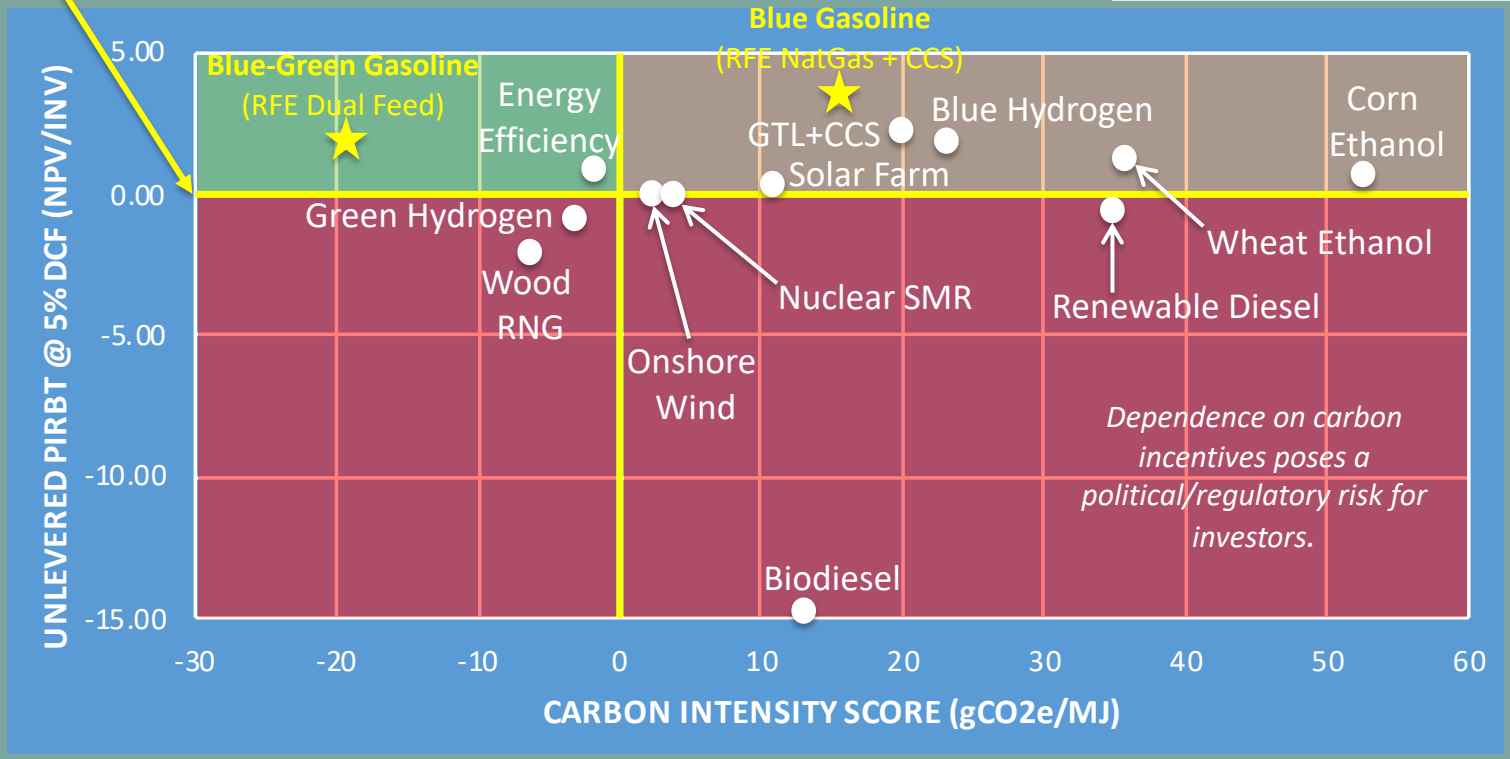
June 8, 2023 Canadian Market Prices

Matrix results are internal estimates based on public data

5% is assumed to be the cut-off ROR for determining financial sustainability.

NO CARBON CREDITS

NatGas = fossil natural gas
CCS = carbon capture & storage
GTL = NatGas-to-liquid fuels
RNG = renewable natural gas



Carbon Negative
Financially Sustainable

Carbon Reduction
Financially Sustainable

Carbon Reduction
Incentive Dependent

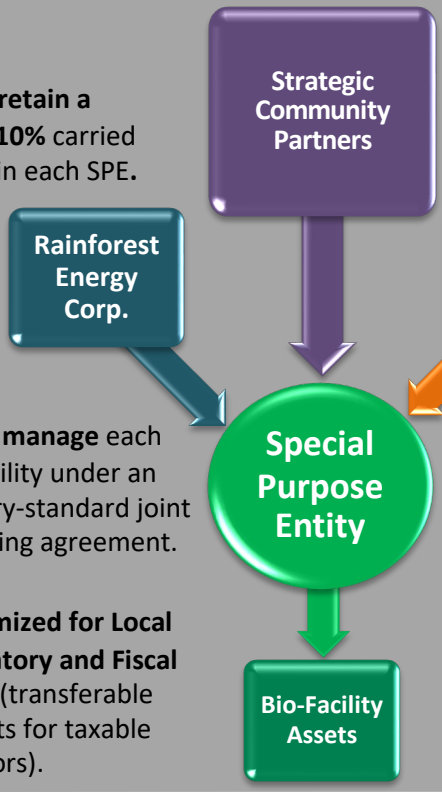
RFE advantage

✓ Few competitors, first mover benefit

✓ Many competitors, inferior performance

✓ Unsustainable competition

RFE Business Model



RFE to retain a target 10% carried equity in each SPE.

Strategic community partners for social operating license (Indigenous or otherwise).

Project Finance Investors have direct access to cash flow.

RFE to manage each bio-facility under an industry-standard joint operating agreement.

Special Purpose Entity (SPE) set up for each bio-facility.

Customized for Local Regulatory and Fiscal Issues (transferable benefits for taxable investors).

Project Play Book to enable multiple development teams.

- Project #1 MOU* with a consortium of First Nations has financial architecture for 50% permanent Indigenous ownership.
- Additional MOUs* signed with an Indigenous Corporation and a consortium of Metis settlements for joint development projects.
- MOUs for new projects in various stages of progression.

* Memorandum of Understanding

rainforest Energy

"Financially Sustainable Net Zero Carbon Footprint Technology"

Traction & Validation

Commercially Demonstrated Equipment (TRL-9)

- Manufacturers can provide meaningful performance warranties
- World-class engineering firms assisted in the basis of design
- U of Regina evaluated deep saline geology for Project #1 CCS

Substantiated Commercial Arrangements

- LOI signed with a super-major for gasoline offtake
- MOU signed with First Nation partner who controls biomass
- Long-term natural gas feedstock available from major producer

Project Finance Traction

- Major government grant decision pending for Project #1
- LOI with venture capital firm for RFE equity financing
- Project equity socialized for FID review when FEED completed
- Gov't loan guarantee / LCFS credit pre-sale discussions initiated

TRL = technology readiness level **CCS** = carbon capture & storage
LOI = letter of intent **MOU** = memorandum of understanding
FEED = front-end engineering & design **FID** = final investment decision
LCFS = low carbon fuel standard (British Columbia Part 3 agreement discussions initiated for authorized credit pre-sales)

Project Risk Management

Feedstock

- ✓ Target 25% to 50% waste biomass supply within 50 km radius.
- ✓ Can accept multiple biomass sources at a competitive price.
- ✓ Specific biomass collection expertise from strategic partners.
- ✓ Long-term natural gas contracts available.
- ✓ Natural gas is a 100% back-stop for biomass supply (50% target) and low carbon score.

Construction

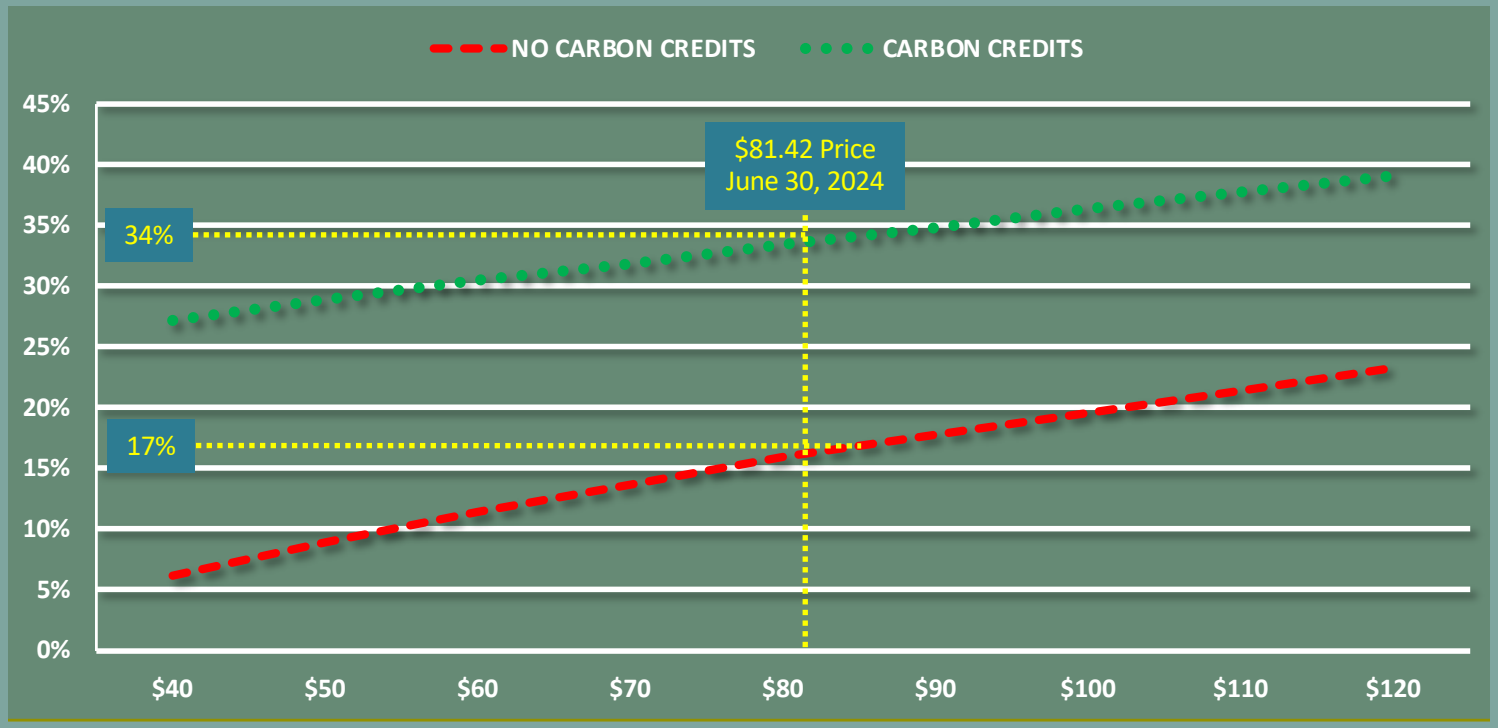
- ✓ Proven technology with commercial performance history + vendor warranties.
- ✓ Small capital sizing (not a mega-project).
- ✓ Experienced local EPC firms with fabrication shop for modular construction.
- ✓ Management team has complex energy process operations experience with collective $10 billion asset track record.

Offtake

- ✓ Low carbon intensity fuel has expanding market to displace ethanol imports with no blend limits.
- ✓ Super-major refinery 100% offtake LOI.
- ✓ Canadian Gov't First Nations procurement.
- ✓ Carbon monetization compliance managed by leading firm.
- ✓ May economically convert to power or hydrogen output in 100% EV scenario.

Unlevered IRRBT Sensitivity To Fuel Offtake Price

(NatGas Price Adjusted for WTI Price)



West Texas Intermediate USD/Barrel

rainforest Energy

RFE's Unconventional Approach

Conventional

- ❑ Mandated subsidized markets (solar, wind, RNG, ethanol)
- ❑ Multiple supply chain issues (food vs. fuel, grid imbalance)
- ❑ Proven tech, widespread
- ❑ Carbon credit dependency
- ❑ Distorted energy markets
- ❑ Potential energy poverty
- ❑ Land use issues
- ❑ Risk of regulatory change
- ❑ Net zero difficult to achieve
- ❑ Fossil fuel replacement
- ❑ Centralized mega-projects

RFE Unconventional

- ✓ Competitive free markets (clean gasoline, clean LPG)
- ✓ Replaces imported fuel (enhanced energy sovereignty)
- ✓ Proven tech, first mover benefit
- ✓ No subsidies required
- ✓ Price competitive energy
- ✓ Affordable energy
- ✓ Uses waste inputs
- ✓ Not dependent on green regs
- ✓ Verifiably carbon negative
- ✓ Utilizes current supply chain
- ✓ Multiple community projects where jobs needed most

un·con·ven·tion·al *adj.*

Definition: not conforming to generally accepted practices—non-conformist.

Example: In life, some ask "Why?" while unconventional thinkers ask "Why not!"

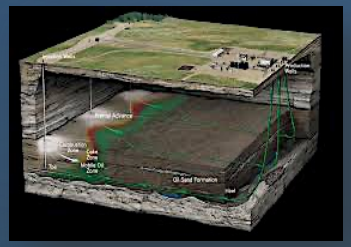
Team Facility Experience

(Managed $10 billion of petroleum and renewable energy assets)

17.4 million USG/year
Biodiesel Facility

230 million USG/year
Crude Oil Asphalt Plant

+3 billion USG/year
Processing Facility



C$240 million Enhanced Oil Recovery Project and Technology Development

Crude Oil & Natural Gas Production in Canada, United States and International of +100,000 Barrels-Oil-Equivalent Per Day Collective Experience (1.5 billion USG/year)

Proud Metis tech geek who fosters great connections.

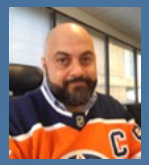
Peter Lafontaine
Corporate Director
& Chair

Believes you cannot truly be green unless you make green.

Jeff Arsenych
Corporate Director
& Co-Chair

Purpose is a driving force for successful businesses.

Shondell Sabad
CFA
Corporate Director & CEO



Edmonton Oilers hockey team fan and a practical engineer who recognizes no thinking box.

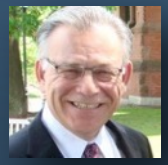
Khaled Saleh
P.Eng., PMP
Corporate Director

A force of nature in the energy sector.

John D. Wright
P.Eng., CFA
Corporate Director

Incarnation of "Scotty" from Star Trek. An excellent problem solver.

Konstantin Starkov
COO/VP – Engineering
& Construction



Indigenous Pipe Carrier who enabled project financing Worldwide.

Jacques Huot
Project & Infrastructure
Finance Advisor

USG = U.S. Gallon (3.78541 Litres)

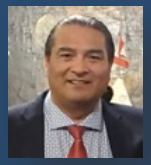
Indigenous Experience

(31% Indigenous Ownership in Rainforest)

Proud Metis Leader who wields branding magic.

Melodie Creegan
VP – Marketing & Communications

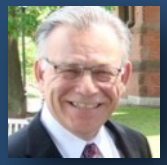
- Board Member and Exec. Dir. Emeritus, Circle For Aboriginal Relations.
- Founder, Mosaic Communications (marketing and branding strategy).
- +28 years consulting with major players in the private and public sectors.



Indigenous Leader who forges lasting partnerships with energy companies.

Francis Erasmus
Strategic Advisor to the Board

- Manager – Indigenous Relations, Tamarack Valley ($2 billion market cap).
- Recognized Indigenous leader in Western Canada.
- +30 years building positive partnerships with Indigenous communities.



Indigenous Pipe Carrier who enabled project financing Worldwide.

Jacques Huot
Project & Infrastructure Finance Advisor

- Former VP, Corpfinance International (CFI).
- Former Citibank, SNC-Lavalin, Ontario Super build.
- Former Board President, Anishnawbe Health Centre.
- +44 years project finance in Canada, First Nations, Int'l.

Proud Metis tech geek who fosters great connections.

Peter Lafontaine
Corporate Director & Chair

- Technology innovator & advisor, Partner in Peer Guidance.
- Thought leader, Alberta Rainforest (2,000 member innovation ecosystem).
- +20 years leading/building top performing teams.

Lawyer who connects Indigenous communities with business solutions.

Caroline O'Driscoll
VP – Corporate & Board Secretary

- Principal, O'Driscoll & Co. (Aboriginal, Environmental & Energy law) : 16-year lawyer.
- M.Sc. (Sustainable Energy), LL.M. (Aboriginal/Int'l law).
- Board Member, Canadian Energy Law Foundation.
- Co-Founder, Optima Global (community development).

Strategic Partners - Aboriginal-Owned Enterprises:

INVICTUS Security & Safety Solutions
https://invictuscanada.ca

SCOUT Engineering & Consulting
www.scoutengg.com

Global Indigenous Group of Companies Inc.
https://globalindigenous.ca

METIS SETTLEMENTS DEVELOPMENT CORPORATION
www.msdcorp.ca

rainforest Energy

Community Circular Economy

Hemp Plant Oil Extraction

Bio-Facility Feedstocks

Hemp Residue

Sustainable Logging

Logging Slash

Sustainable Farming

Surplus Straw

Indigenous Production

Natural Gas (Stable, Fair Price)

73% Trades

>50% Trades

Bio-Facility (10 acres)
85 million litres/year

C$286 million capital outlay

40 Permanent New Jobs

Feedstock Supply & Preparation Venture

Related Ventures:
Extra +250 Operations
New Jobs

Bio-Facility Co-Products

Low-Cost Power

Residual Heat

Clean Water

Commercial CO_2

LPG (Propane)

Connected Ventures (Independent Operations)

All-Year Greenhouse

Land-Based Fish Farm

Agri-Ventures

CO2 / LPG Distribution

Skills Training + Career Development Program

ENERGY SECURITY DRIVES FOOD SECURITY

rainforest Energy

Question: "How often in life do we have the opportunity to create a new industry that significantly addresses "Climate Change" issues and at the same time financially rewards us for our investment?"

Solution: "Rainforest Energy's innovative and proven fuel technology sets a new standard by achieving "net zero carbon emissions" while creating self-sustaining community economies and rewards the investor for their trust and participation."

powering humanity

For a cleaner today and a brighter tomorrow

Contacts:

Shondell Sabad, CFA, President & CEO
(403) 870-4372 ssabad@rainforestenergy.ca

Pete Lafontaine, Chairman
(403) 560-2629 plafontaine@rainforestenergy.ca

www.rainforestenergy.ca

rainforest energy

https://www.istockphoto.com/photos/indigenous-canada-family