

October, 2024

INVESTMENT OPPORTUNITY

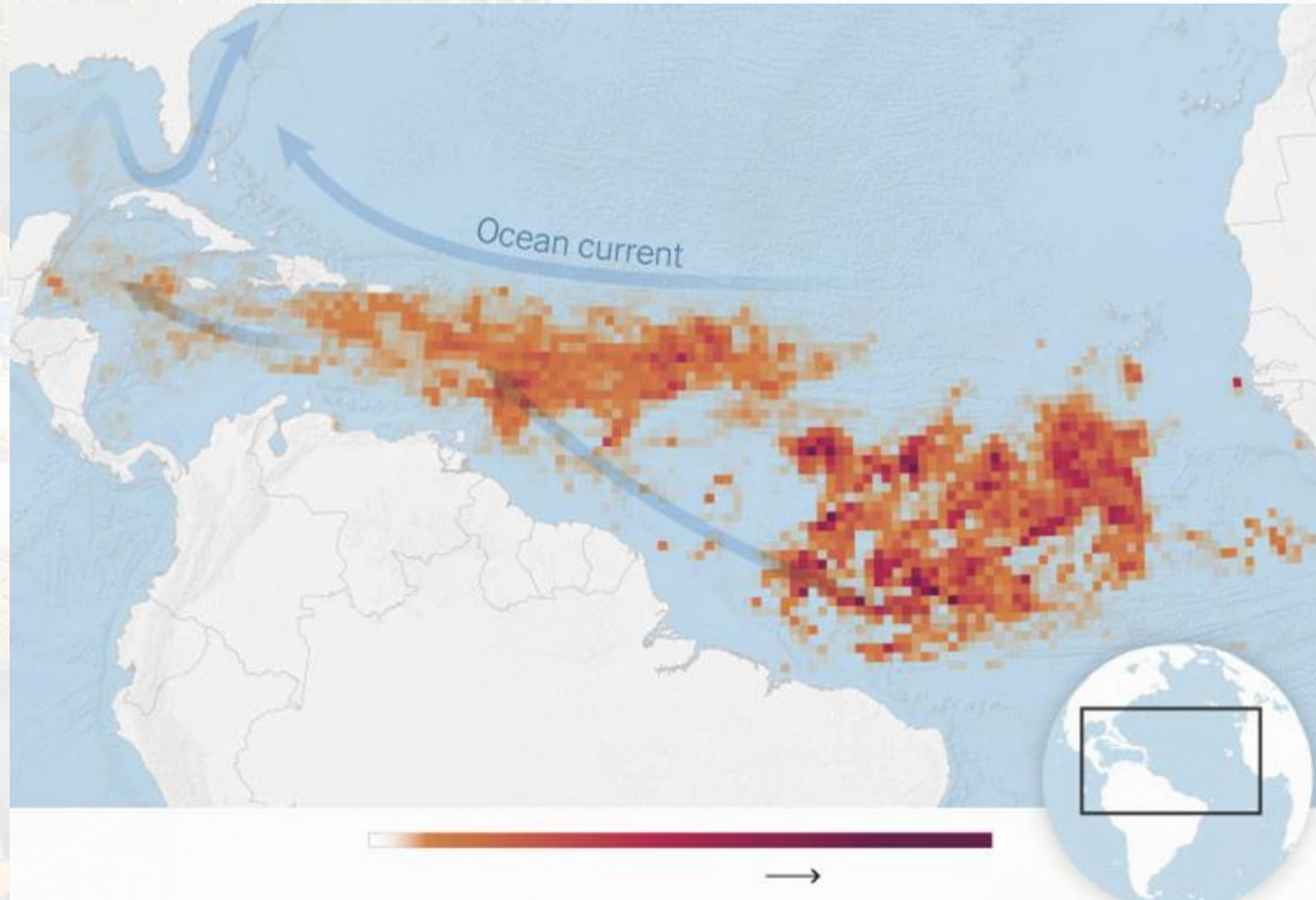
Harnessing the power of Sargassum seaweed to mitigate global warming and local issues



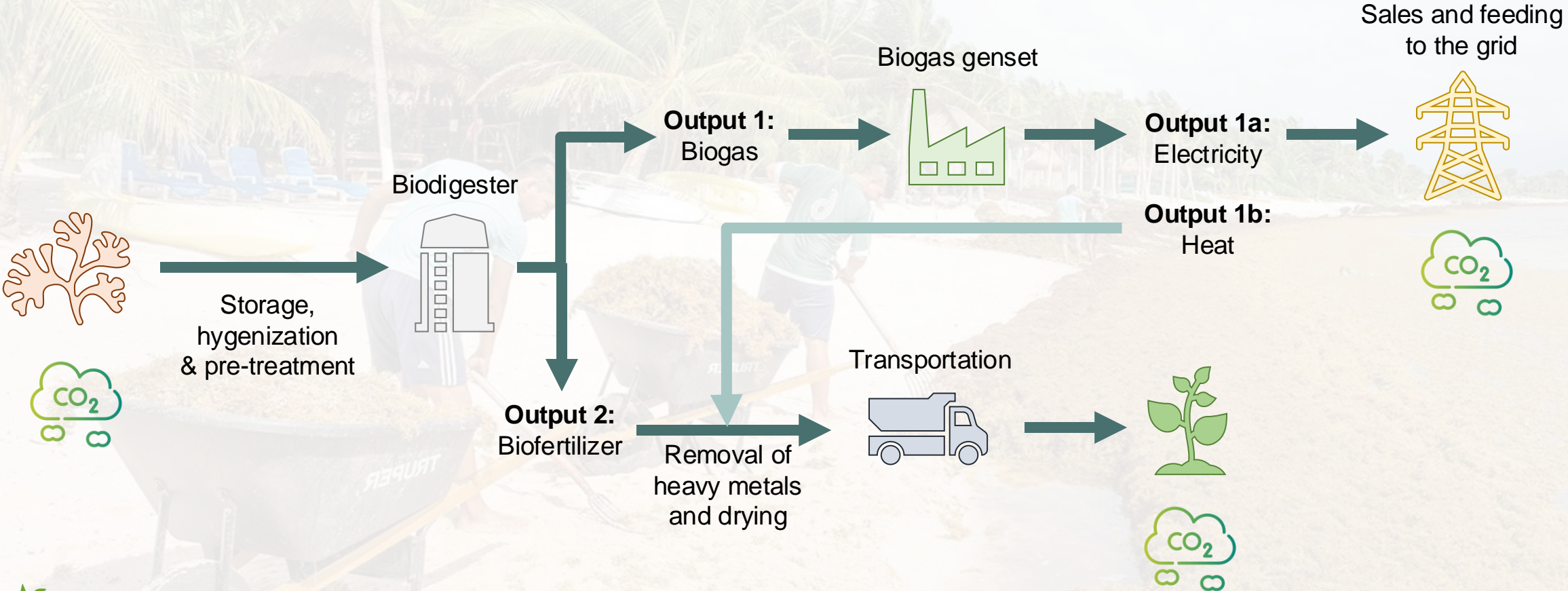
SARGAS



In 2023, the Sargassum bloom stretched over 8000 km across the Atlantic – the longest bloom to date



SarGas turns problems into opportunities by harnessing Sargassum seaweed for renewable energy



Our products solve challenges of energy and fertilizers in the very same areas affected by Sargassum seaweed

The entire region is heavily dependent on imported fossil fuels for electricity production

98%

of **electricity production** in Grenada is based on imported diesel

The availability of organic fertilizers is scarce throughout the entire region

Low

availability of **agricultural fertilizers** in Grenada

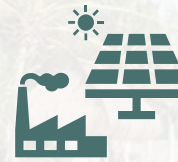
We stand out from competition in both solution and value proposition

Solution

Products



Sargassum solutions



Power generation



Biomass solutions



Fertilizer products

We have gained traction with local customers and partners in Grenada

Traction

Successful utilization of MVP facility



Local government

Support and concession from the Grenadian Government.



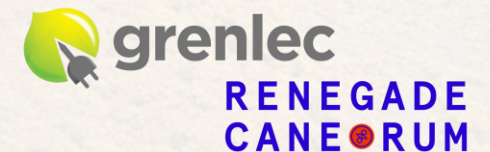
Partners

Grenada Solid Waste Management Authority will collect and transport Sargassum



Off-takers

Expression of interest from grid owners and sugar cane farmers



Near-time milestones include formalizing partnerships and obtaining necessary permits



- ✓ MOU signed with Grenada Solid Waste Management Authority (GSWMA)

Q3 2024



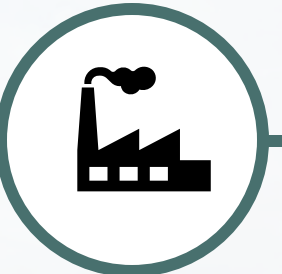
- ✓ Electricity generation license from the Public Utilities Regulatory Commission (PURC)

Q2 2025



- ✓ Off-take agreement with agricultural customers
- ✓ PPA with electric utility company

Q2 2025



- ✓ Financing secured
- ✓ Procurement and set-up of facility

Q3 2025

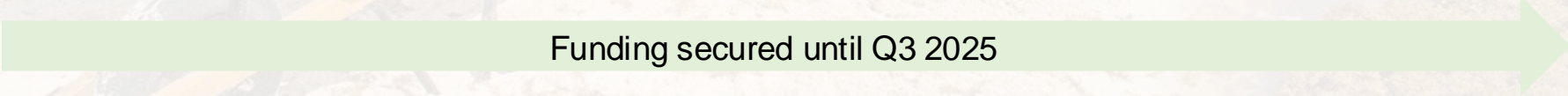
Completion

Funding

✓ \$100,000 USD



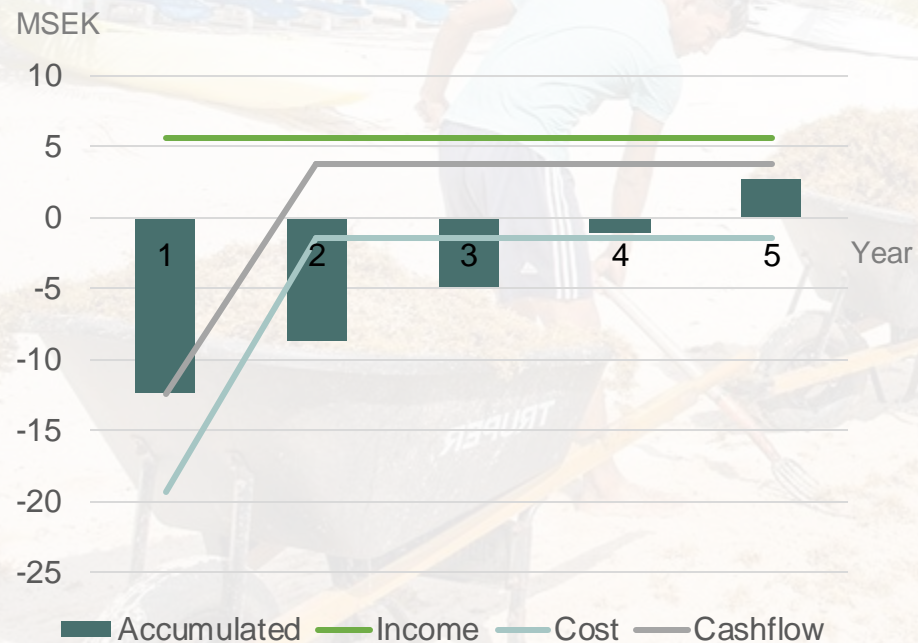
\$2 MUSD



THE INVESTMENT OPPORTUNITY

Financials post-investment

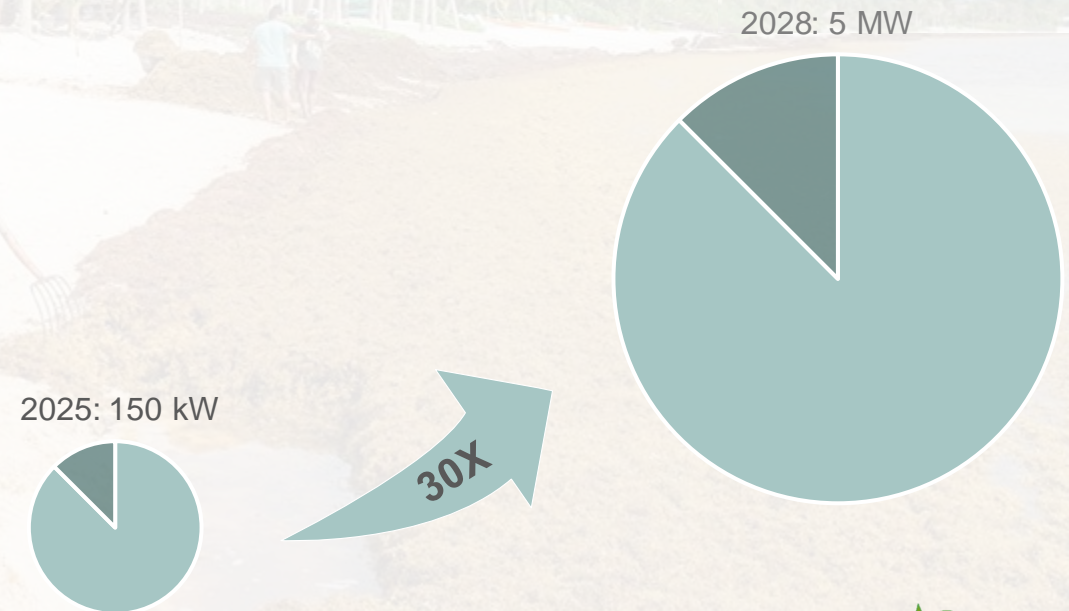
- Yearly revenue: \$560,000 USD
- Yearly net cashflow: \$380,000 USD
- Payback time within 5 years



The ask

- Raising \$2 MUSD to procure and build a 150 kWe facility

What does this mean for an early-stage investor?



THANK YOU

Join us on this journey!



SARGAS



APPENDIX



SARGAS



SarGas' team consists of Swedish energy engineers from KTH, Grenadian entrepreneurs with a Caribbean network and biogas expertise



Benjamin Nestorovic

KTH (Royal Institute of Technology in Stockholm) energy engineer with five years' experience from strategy in the energy industry. Validated Sargassum tech with KTH and partners in Grenada. Co-founder of SarGas Ltd.



Erik Östling

KTH (Royal Institute of Technology in Stockholm) energy and chemistry engineer with five years' experience from energy and gas consulting. Validated Sargassum tech with KTH and partners in Grenada. Co-founder of SarGas Ltd.



Renatta Fielden

Degree in environmental policy and Marketing Director of True Blue Bay resort in Grenada. Involved in earlier biogas projects in Grenada and has supervised students from KTH in their research. Joined SarGas Ltd in 2023.



Angus Friday, MBA

Experience as Grenada's Ambassador to the UN and the US, and the Ocean's Rep. in the World Bank. Currently at the Waitt Institute, partnering with development banks and ESG Impact Investors. Co-founder of SarGas Ltd.



Sherwin Sandy

Technician within biogas systems in Grenada. Five years experience with biogas systems. Technical responsible of the existing biogas unit on True Blue Bay resort where the Sargassum technology has been validated.

Based on the Sargassum influx, handling capacity and electricity demand - there is potential to significantly scale the operations



According to the 2021 UNEP Sargassum White Paper, Caribbean territories can receive as much as **100 metric tons of Sargassum per kilometer of beach per day** during an inundation event.



In the same year during peak beaching times, [...] **10,000 metric tons wet weight of Sargassum beached daily** on Caribbean islands.

1. Supply perspective

10,000 tons algae per day (during peak) → 2,000,000 tons per year on Caribbean islands.

If AlgaeFuel can capitalize on only 5% of the Sargassum → 100,000 tons handled per year.

A 1 MWe plant can handle 20,000 tons per year → Supply on the Caribbean islands allows for a **5 MWe potential**.

2. Capacity perspective

Local partner in Grenada can collect 100 tons of Sargassum algae per day (allowing for a capacity of 1,5 MWe). Assuming only 50% can be collected → 750 kWe potential in Grenada.

Assuming similar operations in the seven neighboring island nations* → a total **6 MWe potential**.

3. Demand perspective

The installed capacity for electricity production in Grenada is 53 MWe, almost all fossil-based. Grenada has an energy target of 100% renewables in 2030. A capacity of 750 kWe would **replace only 1,5% of the electricity demand**.

Aiming for a capacity in the Caribbean of 5 MWe is feasible from all three perspectives.

*Barbados, St. Vincent and the Grenadines, St. Lucia, Dominica, Antigua and Barbuda, Martinique and Guadeloupe

The environmental benefit is manifold – minimizing use of diesel, reducing emissions from algae decay and allowing use of bio-fertilizers



A 5 MWe biogas generator capacity will displace 33,000 metric tons of CO₂-equivalents every year, by replacing the corresponding amount of electricity produced from diesel. This equals about 7,000 fossil fuel cars driven for one year.



By collecting algae instead of letting it decay, marine ecosystems are protected and methane emissions 28x more potent than CO₂ are avoided (equals 265,000* tons metric tons of CO₂-equivalents per year for a 5 MWe dimensioning).



Inorganic fertilizers cause eutrophication when used in agriculture and CO₂-emissions when produced from natural gas. Using bio-fertilizers reduce CO₂-emissions and eutrophication since the nutrients are part of the natural cycle.

*In a 100-year timescale, methane has a 28x stronger warming effect than CO₂.

SarGas is entering the process to become an Independent Power Producer (IPP) and receive a generation license in Grenada, administered by PURC*

