

OPPORTUNITY

- Opportunity to invest in two 'shovel ready', fully contracted MSW conversion plants in India
- Attractive project level returns (20%+, unlevered) with exceptional sustainability benefits to local communities
- Experienced local development team supported by world leading suppliers and advisors
- \$15MM capex per project, total raise of \$75MM allocated for 5 projects
- EBITDA: US\$ 4MM per plant (\$20MM across platform)

Contact:

Terry Tamminen, CEO
ZeroWaste India
+ 1 (310) 308-3356
tt@7thGenerationAdvisors.org

- ZeroWaste India (“ZWI”) will build five waste conversion facilities in the state of Gujarat to convert 1,500 tons/day of municipal solid waste (“MSW”) to high value commodities, including compressed biogas, organic compost, liquid fertilizer, compressed industrial CO2, Refuse Derived Fuel (RDF), and recyclables.
- ZWI will use proven ‘off-the-shelf’ technologies: mechanical and manual sorting; anaerobic digestion composting; gas cylinder compression & distribution.
- ZWI has fully developed the first two sites & secured feedstock and necessary permits. These plants are ready to build pending financing.
- Considerable upside potential with conversion of recyclables to added-value products.

PARTNERS



Origination and Sponsor

Terry Tamminen, President, previously served as Secretary of the California Environmental Protection Agency for Governor Arnold Schwarzenegger and is the co-founder of R20 Regions of Climate Action. Past/current clients include Pegasus Capital Advisors, VantagePoint Venture Partners, Leonardo DiCaprio Foundation, Walmart, Proctor & Gamble, Netjets.



Local Partner

CNM Energy Solutions is an engineering specialist with expertise in both conventional and non-conventional energy development and has secured contracts with 18 cities in Gujarat for Municipal Solid Waste conversion projects.



Financial Advisor

Rusheen Capital Management is a private equity and advisory fund focused on sustainability. Rusheen’s principals have raised over \$3BN capital for sustainability investments and started or funded 27 companies.



EPC

KIS Group is Asia’s most experienced EPC and sustainable waste treatment company with offices and reference facilities in Singapore, India, Malaysia, Indonesia, UAE, Brazil & Colombia for global clients including Unilever, Sinarmas, Cargill and countless municipalities.



Compost

Compost Systems is a leader in the industrial composting space, with over 90 reference plants in operation worldwide and more than 25 years experience.



Feedstock Processing

Komptech (Austria) is a leading supplier of machinery/systems for mechanical and biological treatment of solid waste & biomass conversion to renewable energy.



Diligence Support

R20 Regions of Climate Action is a global NGO coordinating policy, technology and finance of low-carbon development projects for 500+ sub-national governments & the UN Industrial Development Organization promotes and accelerates inclusive and sustainable industrial development globally.

ZeroWaste India - Projects



Strictly Private & Confidential

- Plants 1 & 2 ready to be constructed, with Plants 3-5 currently being developed
- Project level returns of 20% IRR on an unlevered basis; \$4MM per plant EBITDA

Risk Mitigation

- Complete first two plants within 15 months (\$30m total capex) to generate cash flow; maximize efficiency of subsequent three plants
- Experienced EPC (build/operate) including process guarantee wrap; liquidated damages provisions; added insurance product
- Supportive national/local governments providing land; waste feedstock; other support
- Proven, scalable European technologies; high-value commodity outputs not dependent on offtake deals
- Aligned w/UN Sustainable Development Goals

Significant Upside Potential

- Leverage on performing assets upon completion
- RDF converted onsite to high value jet-fuel; plastic alternatives; virgin monomers
- Processing additional feedstocks onsite including tires, glass, e-waste
- Carbon credit generation (VCS and/or CDM)
- Replicable across India: 13 additional facilities in early stage development in Gujarat state alone

State of Gujarat, India



Collection



Processing



Anaerobic digestion



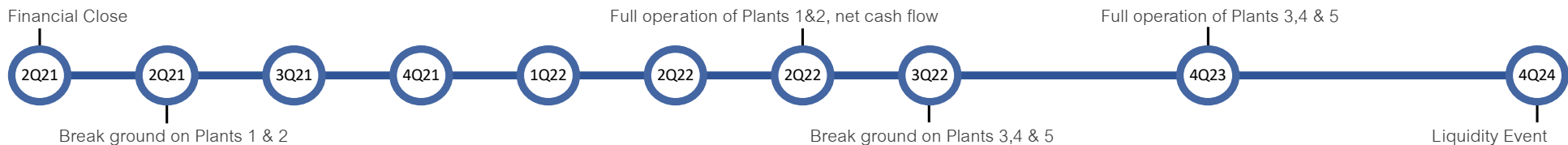
Composting



Compression



Time Line





Terry Tamminen, CEO

30 years in government, finance, NGOs

- Secretary, California EPA for Governor Arnold Schwarzenegger
- Pegasus Capital Advisors, Operating Advisor



Bharat Mewawala, Project Development (India)

Deep project development experience & network in India, Germany, USA, Middle East

- CEO, CNM Energy Solution Pvt.
- Founder, Phorum Jewels Ltd, Mumbai



Richard Baskin, President

Three decades in technology, Internet, media/entertainment and waste technology

- Co-Founder/Co-Chair Waste Resources International, LLC
- Chairman, The Warm Springs Group



RJ Patel, Finance

- President USACO, Global Green Group Initiative
- Renewable energy project expert
- Global financing & engineering experience; carbon fiber aircraft & research
- Advisor to government projects in India, MENA



Jim McDermott, Finance

25 years in company building & financial entrepreneurship

- Investor/Entrepreneur in Carbon Capture/Utilization, Low-Carbon Energy, Recycling & Water Sustainability
- Founder and CEO, Stamps.com



Samir Rathod, Project Development (India)

Deep project development experience & network in India, Germany, USA, Middle East, Asia

- CEO, CNM Energy Solution Pvt. & Matru Engineering Pvt. (National vendor)

ZeroWaste India – Team Experts & Advisors



Strictly Private & Confidential

4 of 5



Gregory Lopez, Senior Analyst

Nearly a decade of developing global climate solutions with nonprofit, government, and corporate entities

- Strategic Advisor, Pecan Street, Inc.
- Climate Program Director, Leonardo DiCaprio Foundation
- Smart City Director, Seventh Generation Advisors



James Condela, Technical & Commercial Advisor

20+ years in energy, environmental services & industrial sectors

- Chief Operating Officer for Organix Recycling, LLC
- Operating Advisor, Pegasus Capital Advisors
- Sustainable infrastructure business & project development
- Engineering & operations focus



Ben Stone, Finance

15 years of sustainability investing

- Principal at RCM
- US Renewables Group and RCM, 9 years private equity investing
- HSBC, leveraged finance group focus on energy, infrastructure and mining
- Fulcrum BioEnergy, investor and advisor



Peter Lobin, Senior Advisor (Policy)

30+ years as the leading “Zero Waste” Strategist & Consultant

- Founder, ZeroWaste Global - Waste Consultancy
- CEO, Scarab Technology (since 1998) - Waste & Recycling for U.S. Government
- Advisor, board member, subject matter expert and partner to multiple waste/water and recycling firms, private equity, foundations, NGOs and advocacy groups



Dr. RK Pachauri, India Stakeholders Advisor (Emeritus)

Fifty years in science, government, and policy

- Chairman, [Intergovernmental Panel on Climate Change](#)
- Awarded the 2007 [Nobel Peace Prize](#)
- Founder, [The Energy and Resources Institute](#) (TERI)

- With so much waste being aggregated and sorted by ZWI's plants (1,500 tpd +), ZWI will have significant opportunity to increase the scope of its waste conversion offering and increase the size and the environmental benefits of the ZWI development platform

Fulcrum BioEnergy

Background

- Founded in 2007, Fulcrum is the world leader in converting waste-to- "drop-in" quality jet fuel that is carbon negative
- Investors include BP, Cathay Pacific, Waste Management, World Fuels, United Airlines, US Department of Defense and Rusheen
- Proven technology - \$200MM+ to develop and commercialize, nearing completion on 10MM gallon per year facility in Reno, NV
- Highly profitable, financeable projects

Integration with ZWI

- Fulcrum plants are much larger than ZWI plants, but can use the RDF and some of the organic material not currently used by ZWI
- No incineration
- Rusheen is investor and Board Member of Fulcrum and ZWI
- Fulcrum actively seeking local development partners

UBQ Materials

Background

- Converting hard-to-recycle plastic and organic waste into sustainable drop-in alternative to plastics
- UBQ materials are suited for injection, extrusion and compression molding and can be mixed with olefin, styrene and chlorine-based resins and additives
- As a bio-based composite thermoplastic material, UBQ can replace plastic polymers in hundreds of applications

Integration with ZWI

- UBQ plants can process as little as 50 tons/day with high margins
- Ideal for co-location directly at ZWI facilities
- Gujarat is home to a wide variety of plastic manufacturing companies, making it an ideal market for UBQ materials



UBQ in Israel; pelletized output; made into a wide variety of finished products