Summary Presentation

Presented To:

Marion County SWMAC

June 2018
Agilyx uses patented, proven, and commercially viable technology to convert difficult-to-recycle waste plastics into chemical commodities through a process that is scalable, versatile, and environmentally positive.
Agilyx Overview

Who We Are: A global leader in waste plastic chemical recycling

What We Do: Design and develop systems to convert mixed waste plastics into, synthetic oil, styrene monomer and other specialty chemicals and substrates

Corporate HQ: Tigard, Oregon, USA; Incorporated

Model Options: Flexible; Design, Build, Operate, Own or Transfer, License

IP: Strong Patent Portfolio; six patents issued; one patent pending Worldwide exclusive pyrolysis license; significant process knowhow and trade secrets

Commercial Technologies: Mixed Waste Plastic to Crude: two sizes 10 TPD, 50 TPD Polystyrene to Styrene Monomer: two sizes 10 TPD, 50 TPD
Agilyx delivers proven technology, products, needed relationships

Why is Agilyx succeeding?
• **The Technology**: patented, proven, commercially viable
• **The Systems**: modular, scalable, ready for global deployment
• **The Team**: deep experience, success at bringing innovative & needed technology to market
• **The Products**: renewable petrochemicals (high-grade synthetic crude, styrene monomer)

*Producing recycled plastic petrochemical products using Agilyx technology...*
• Reduces GHG: for example, Agilyx GHG intensity is up to 50% reduction of traditional styrene manufacturing
• Returns a highly-valued, workhorse manufacturing resource directly back into the manufacturing stream, in its highest form

*Agilyx brings “1st-in-industry” industrial pyrolysis expertise to plastics and petrochemical recovery*
Difficult-to-Recycle Waste Plastic Examples

- Aluminum Wire Chop
- Medical Red Bag Sharps
- Film Packaging
- Energy Bag
- Field Turf
- Melt Densified XPS
Styrene Circular Economy

Consumers

Polystyrene products purchased

Products manufactured

Waste collected and sorted

Styrene stream purified

Styrene conversion

Material Recovery Facilities

Converters

Styrene or Polystyrene Producers
Polystyrene Pyrolysis Chemistry

Polystyrene

Polystyrene Pyrolysis

Toluene

Ethylbenzene

Benzene

Alpha Methyl Styrene (AMS)
Pyrolysis Process for Polystyrene

Waste Polystyrene Feedstock

Feedstock Prep and Pre-Melt
Pyrolysis Reactor
Product Recovery
Product Storage
Pathway Back To Consumer

Emmisions Control Device

Refinery
Manufacturing

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Polystyrene Products - Residential
Polystyrene Products - Commercial
Polystyrene Products - Agricultural
Management and Key Partners

Agilyx

Investors

- Saffron Hill Ventures
- Virgin
- Reference Capital

Engineering Partners

- IAG
- Jacobs

Commercial Partners

- AmSty
- INEOS
- Delta Air Lines
- Monroe Energy
- U.S. Oil Trading LLC

Management

Joseph L. Vaillancourt, CEO
25 years in the energy and waste sectors including corporate venturing, finance and strategy and a serial entrepreneur. Has led the commercialization and growth of 15 environmental technologies.

William Cooper, Chief Financial Officer
20 years in investment banking with ABN AMRO, DLJ, Seven Hills and Wedbush Securities specializing in M&A and growth financings in the sectors of industrial, environment, clean tech and med tech.

Brian Moe, Vice President Operations
15 years in senior management positions for large companies in multiple functions including quality, engineering, manufacturing, operations, and supply chain management.

Chris Faulkner, PhD, Vice President of Project Management and Technology
10 years of experience in energy and industrial companies where he held multiple engineering roles focused on commercialization and product deployment of technologies.