

Annual Stockholders' Meeting

May 30, 2013



Safe Harbor Statement*

Our presentation includes, and our response to various questions may include, forward-looking statements about the Company's future plans and objectives. Any such statements are subject to risks and uncertainties that could cause the actual results and the implementation of the Company's plans and operations to vary materially. These risks are discussed in the Company's filings with the S.E.C., including, without limitation, our Form 10-K filed March 28, 2013.

*Under the Private Securities Litigation Reform Act of 1995



Investment Highlights



Well-Positioned in Large, Growing Markets



Creating Barriers through Solid IP Position



Converting Customers to Long-term Contracts



Building Markets Ahead of Capacity



Chemicals and Crops offering Additional Value



Metabolix Mission

Advanced Bio-Materials To Address Today's Challenges

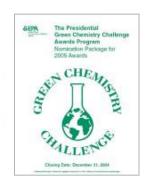
Metabolix deploys leading edge science and innovative capabilities to address critical societal and customer needs











WORLD ECONOMIC FORUM





Metabolix Portfolio Well Positioned to Address Critical Needs

Key Societal and Customer Needs

1. Enhancing the management of waste

2. Improving the performance of existing materials

3. Offering renewable raw material supply



Metabolix Products

Addressing Critical Customer Needs

Key Issues in Waste Management

- \$\\\^2 97.5\% of all food waste goes to landfills
- 100 billion plastic shopping bags used in the US alone, creating 300,000 tons of landfill waste every year
- US waste per capita has increased by 65% since 1960
- 100 million tons of plastic dumped into the oceans and growing every year









Metabolix biobased, biodegradable polymers



Metabolix Products

Addressing Critical Customer Needs

Performance Limitations in Existing Materials

- Compostable bags that don't biodegrade fast enough
- Current bioplastics melt or warp when exposed to boiling water
- Plastics that crack or shatter when stressed or dropped
- Products that have poor ultraviolet (UV) stability fade or haze after exposure to sunlight



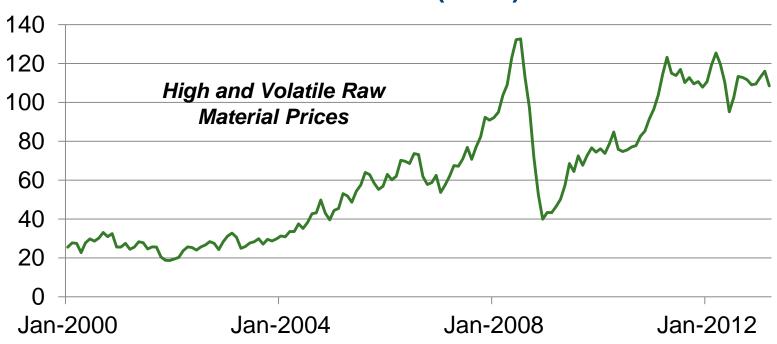
Metabolix biobased, performance additives



Metabolix Products

Addressing Critical Customer Needs

Brent Crude (\$/bbl)



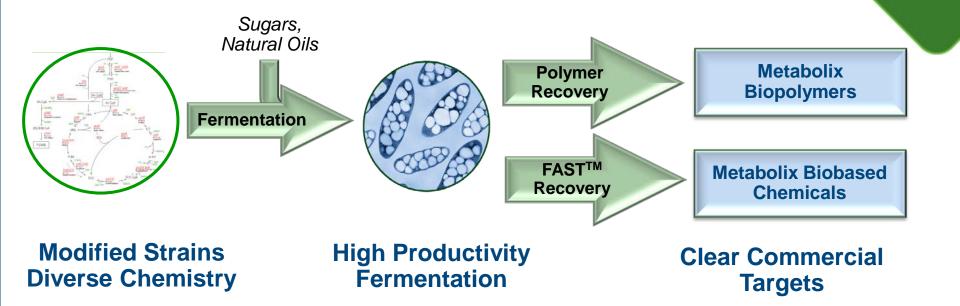


Metabolix bio-manufacturing platform uses renewable materials such as sugars and natural oils as inputs



Common PHA Technology Platform

Supports All of Our Businesses



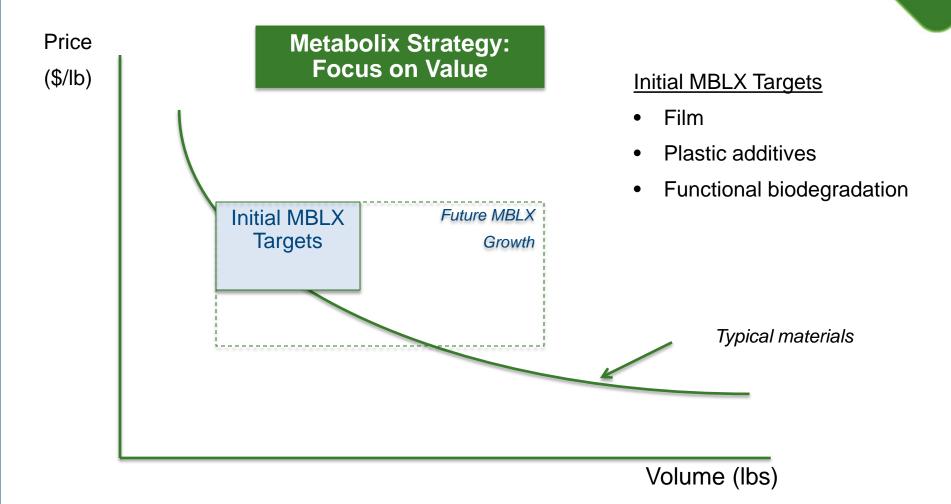
The Metabolix Solution

- World-leading position in polyhydroxyalkanoate (PHA) chemistry
- Manufacturing technology proved at scale
- Market-tested by wide range of current and potential customers
- Position defended by more than 500 patents and applications



Metabolix Biopolymers

Develop High Valued Markets Ahead of Capacity



Target Segment: Films

Strong Growth Drivers; Rich Product Pipeline

Film Market Overview

- Films represent a \$100 Bn market of the plastics industry
- Biobased and biodegradable films represent \$400 M growing at ~20% annually
- Rich pipeline of Metabolix products:
 - Compostable bags
 - Packaging films
 - Barrier films
 - Super strong films
 - Agricultural mulch films



Compostable Bags



Agricultural Mulch Films



"End of Life" Compost



Target Segment: Performance Additives Improving PVC, PLA and Others

















- **Medical regulations**
- **Clarity & translucence**
- Migration & barrier
- Semi-durable or disposable

- Aging & weathering
- Needs to last years
- Impact reliability
- Clarity & translucence
- Semi-durable

- Migration testing
- **Disposable**



Target Segment: Functional Biodegradation

Addresses Customer and Societal Needs

Functional Biodegradation Overview

- PHA biopolymers are naturally degradable in oceans, streams, soil and anaerobic digestion
- Highly differentiated numerous high valued opportunities
 - Anaerobic digestion
 - Agriculture/Horticulture
 - Water treatment
 - Prebiotic feed supplements
 - Erosion control

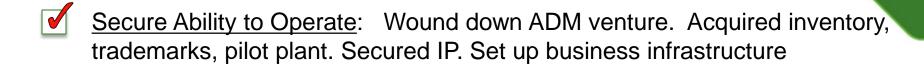
Mirel Biopolymers: Marine Biodegradation





Substantial Biopolymers Progress

Foundation Established; Momentum Building



- Establish Commercial Foundation: Focused on three growing, attractive segments. Built customer base to >70 customers.
- Grow the Business: Launched two new products: B5008 Compostable Film, I6001 – PVC Modifier. Now sold commercially. Conversion to annual contracts.
- **Define Capacity**: Relationships with TGBM, Antibioticos. Evaluating low cost site options. 20% reduction in variable cost over last 16 months.
- Path Forward: Solidify attractive market position, align long range supply strategy, demonstrate strong business economics





















Biobased Chemicals

Used to Produce Specialty Products



Fermentation Pathway

Produce industrial chemicals through biological conversion of sustainable feedstocks

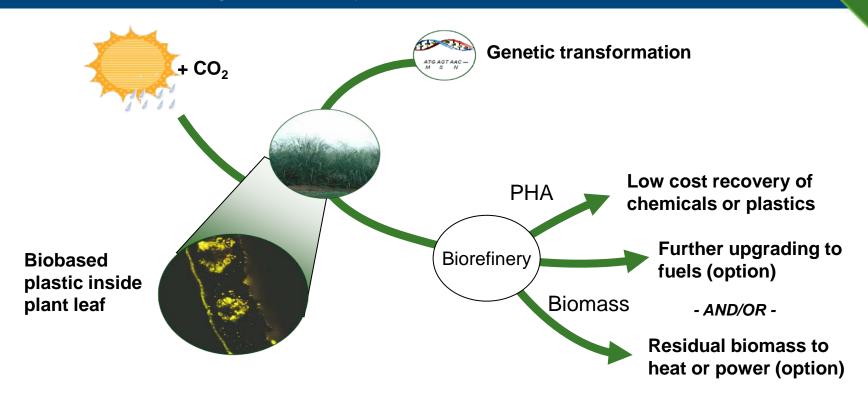
Broad Range of Opportunities

- Initial targets: Biobased chemicals; \$10 Bn addressable market; used in paints / coatings, diapers, personal care products, pharmaceuticals, engineering plastics, others
- Metabolix offers diversity of raw material supply and high purity product. Differentiated FAST recovery process
- Initial focus on <u>high-valued</u> segments and applications
 - Applications seeking renewable solutions
 - Applications where high purity is needed



Crop-Based Business

Option Value Aligned with Key Trends







Building tool set and IP around enhanced photosynthetic capacity of plants – core capability for improved crop yield



Financial Summary

Conservative Cash Management - Sufficient Near-term Runway

- SCash, and cash equivalents (end-Q1) of \$37.7 million
- 38 No debt
- High degree of partner interest
- Sufficient cash for next 12 months



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