Metabolix

Bio-industrial Evolution

Pacific Rim Summit on Biotechnology and Bioenergy

Vancouver
October 10, 2012

Max Senechal, VP Biobased Chem.

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-Q filed July 27, 2012 and Form 10-K filed March 12, 2012.

***Under the Private Securities Litigation Reform Act of 1995**

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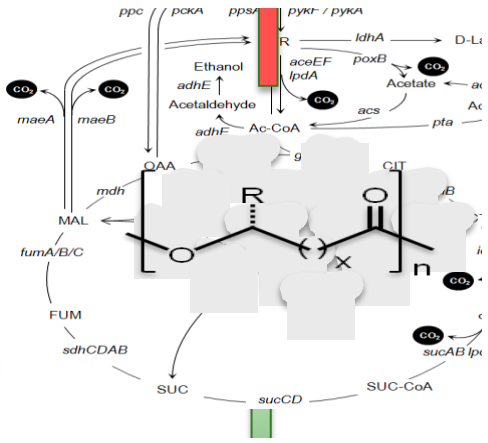
Metabolix: PHAs and End-Use Applications

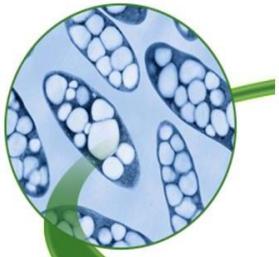
Fermentation chemicals:
- C3: Acrylic
- C4: GBL, BDO, THF
- C5: PDO, VL

Biobased Chemicals

Crop based chemicals:
- Maleic anhydride
- Butanol
- Propylene

FAST™
Direct thermal cracking





Fermentation

Industrial Crops

P-Ex™
Polymer recovery

Performance Biomaterials

mirel Biopolymers

PHA Polymer

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Broad-Based Renewables Platform

Now Leveraging PHA Capabilities Beyond Bioplastics

	Fermentation		***Crop Technology***
Products	Mirel™ Bioplastics	Industrial Chemicals	Bioplastics, Chemicals
Value proposition	High performance biodegradable plastic	Biobased C4 & C3, Cost Competitive @ $60 - $90/bbl	Cost Advantaged @ $40/bbl
Feedstock	Corn dextrose	>>Cellulosic sugars	CO_2
Recovery Technology	**P-Ex™**	**FAST™**	Oilseeds: **P-Ex™** Biomass: **FAST™**

Metabolix Core PHA Pathway Platform Technology

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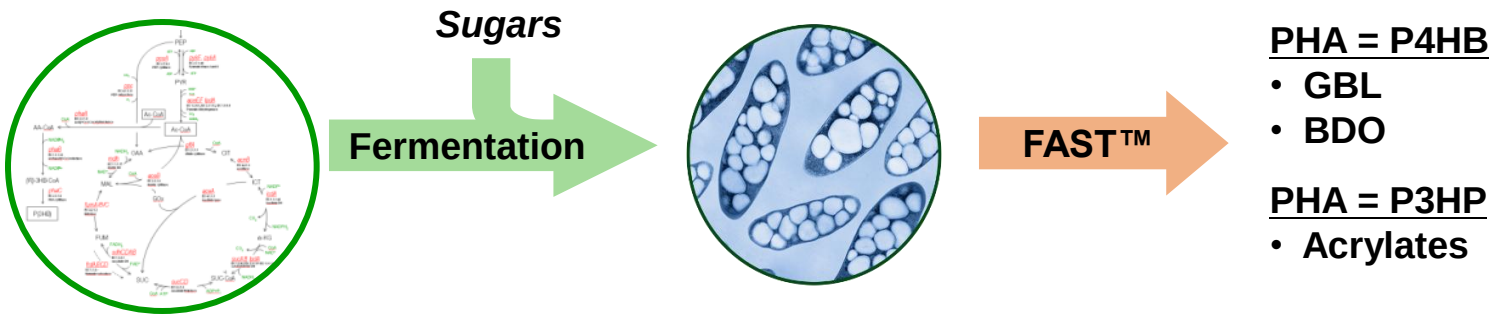
Metabolix FAST™ Process for Chemicals

Novel Approach uses PHAs to Store Chemicals Inside Cells



- Engineered strains that accumulate tailored PHA compositions
- PHA is converted via **FAST™** process (**F**ast **A**cting **S**elective **T**hermolysis) to range of industrial chemicals
- Initial focus is on C4 Chemicals, C3 Chemicals will leverage learning

Super-Absorbents

Engineering Resins

Polyurethanes

Paints

Spandex Fibers

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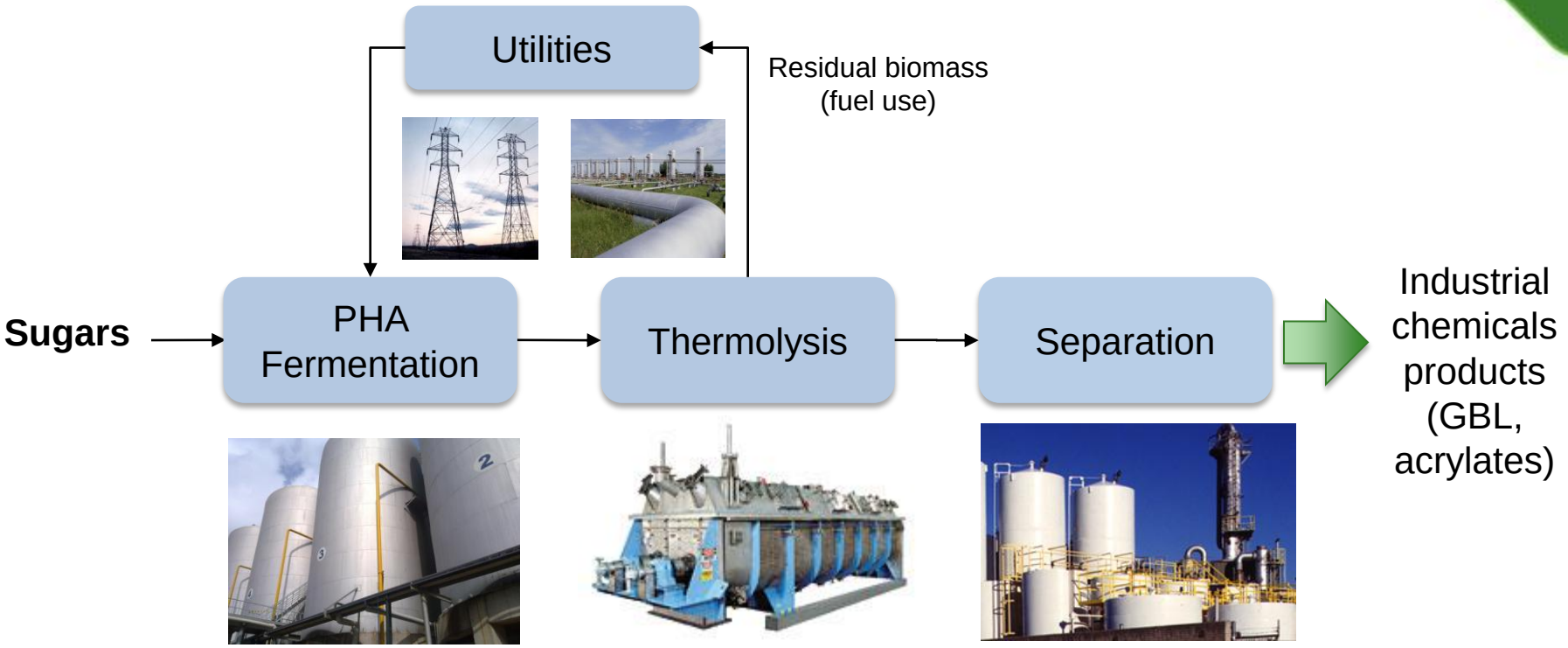
Metabolix FAST™ Process

Novel Process that Leverages Metabolix PHA Chemistry Expertise

Metabolix FAST™ Process for Industrial Chemicals



Differentiation

- Elegant process based on Metabolix core PHA and fermentation strengths
- High yield and productivity; low capital; potential to repurpose existing assets
- Same platform used for range of products – accelerate commercialization

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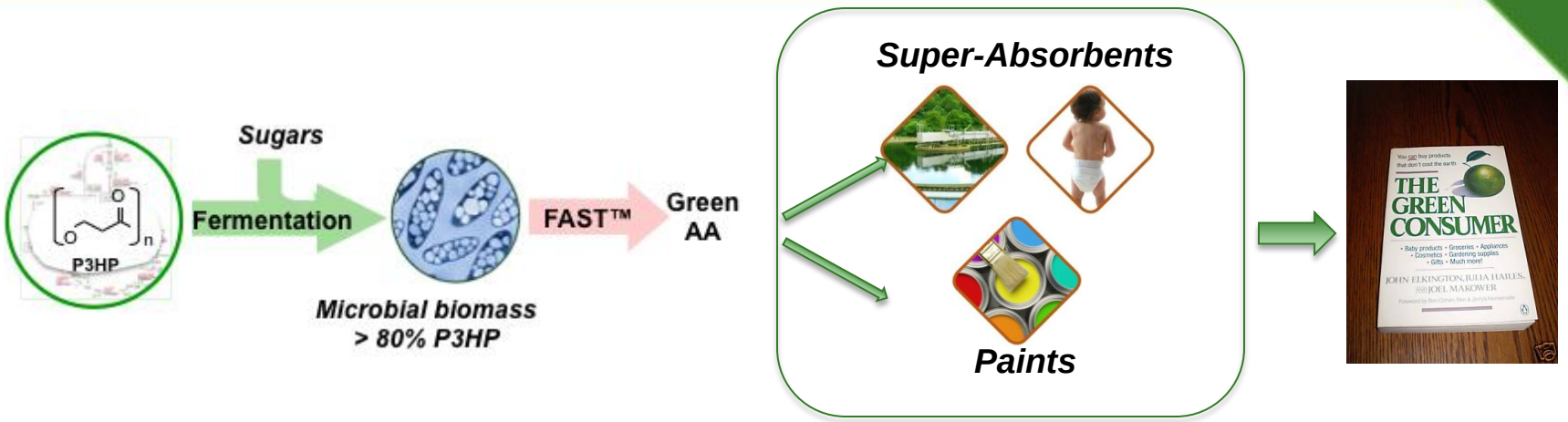
Metabolix FAST™ Process for C3 Chemicals



- Engineered strains accumulate P3HP at high rate, yield and titer
- P3HP biomass is converted via **FAST™** process (**F**ast **A**cting **S**elective **T**hermolysis) to acrylic acid or acrylate esters and dried biomass residue is recycled as fuel
  - Direct route to aa highly differentiated from other green aa routes
  - Not partnered with existing acrylic franchises
  - Strong IP position
  - Alternative raw materials basis opens access to downstream

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Recent Milestones

C4 Chemicals

- ✓ Sampling C4 chemicals from 60,000L scale
- ✓ Achievement of technical milestones for biobased GBL/BDO ongoing
- ✓ Active partnership discussions ongoing

C3 Chemicals

- ✓ Advancing technology for C3
- ✓ Successfully scaled up laboratory recovery of biobased acrylic acid from dried biomass
- ✓ Active partnership discussions ongoing
- ✓ Started shipping dried biomass for conversion to acrylic acid










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Metabolix Value Proposition

Robust Portfolio Aligned with Market Trends

Leading position in unique PHA chemistry platform

Broad based renewables platform addressing large markets

Well positioned in rapidly growing biopolymers market
Customer pipeline driven by pull demand

Competitive chemicals platform moving towards commercialization

Synergistic portfolio enabling multiple opportunities

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