



Biocycle Farm



Eugene/Springfield MWWC

Lessons learned through one rotation of hybrid poplar



Metropolitan Wastewater Management Commission

Eugene-Springfield's resource for

clean water
and **sustainable**
management practices.

30,000,000 gallons
of wastewater cleaned.
Every Day.



Biocycle Farm – a biosolids management asset

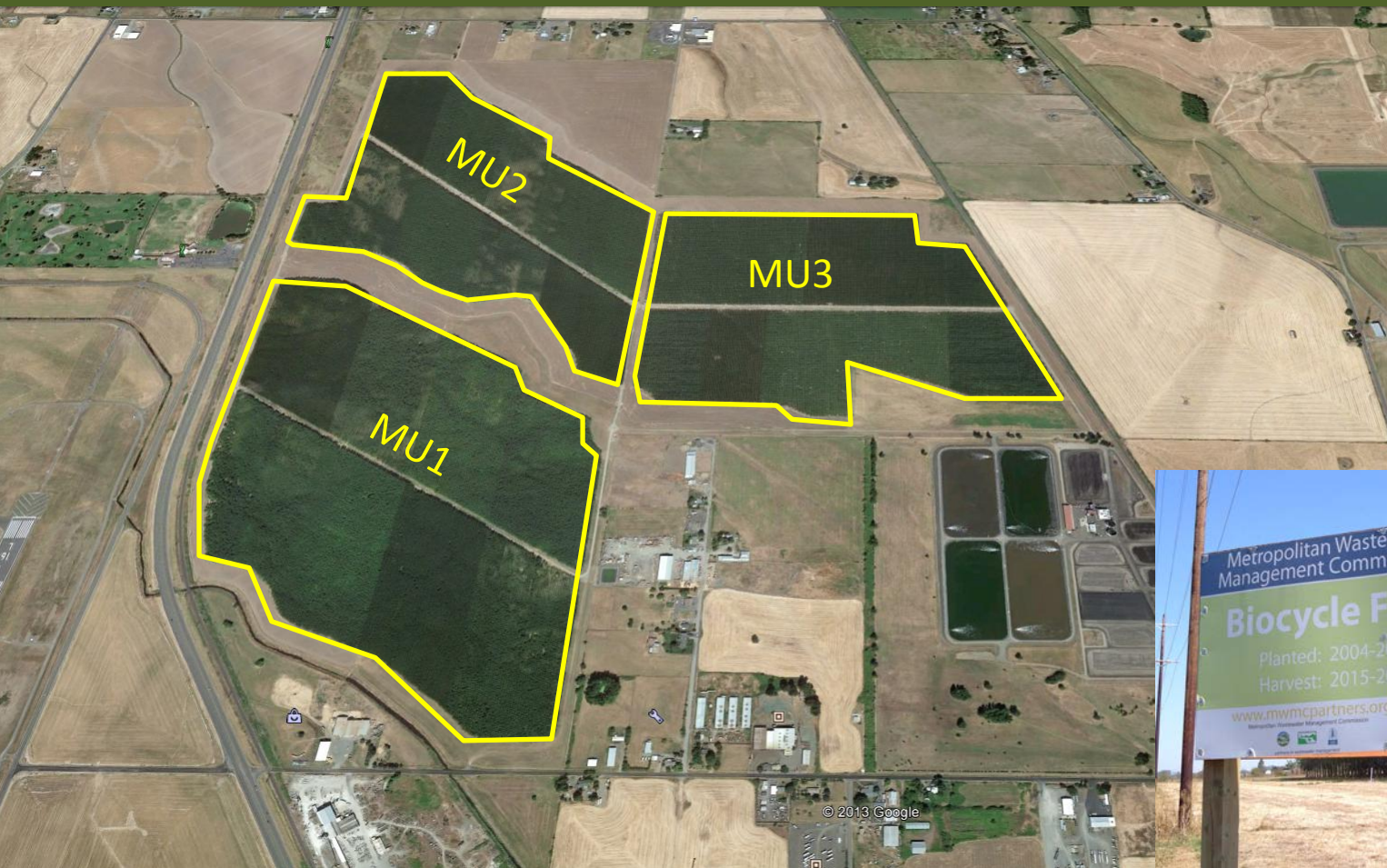


Drying and aerating

Land application



3 Management Units = 3 Age Classes



Site Specific Conditions



Learning Opportunities - growing





Expectations – Projections – Hopes - Dreams



Learning Opportunities – markets/yields

A Review of Market Opportunities for BioCycle Farm Poplar Timber



Prepared by Good Company
For Metropolitan Wastewater Management Commission

April 2008



MWMC BIOCYCLE FARM POPLAR INTEREST SURVEY

| PART 1: Potential BFP terms and conditions | | Yes | No |
|---|----------|--------------------------|--------------------------|
| Agree | Disagree | | |
| Considering the statements below as a condition to a proposed BFP, please check mark in the box to the right of the statement corresponding to your level of interest in, or willingness to respond to, an BFP with that condition. | | | |
| Plantation Management Conditions | | | |
| The MWMC retains full control and management decisions of poplar maintenance | | <input type="checkbox"/> | <input type="checkbox"/> |
| The MWMC will allow access to maintain poplar plantation through business (the MWMC continues to apply for permits and maintain access) | | <input type="checkbox"/> | <input type="checkbox"/> |
| No partial thinning or harvesting of full trees allowed until agreed upon harvest year | | <input type="checkbox"/> | <input type="checkbox"/> |
| Partial thinning or harvesting of full trees allowed prior to 12th year (minimum rotation age) | | <input type="checkbox"/> | <input type="checkbox"/> |
| Sustainable and/or low impact logging and/or milling practices limited | | <input type="checkbox"/> | <input type="checkbox"/> |
| Rotation Year Availability | | | |
| Harvest rotation of only Phase 1 poplar available at this time | | <input type="checkbox"/> | <input type="checkbox"/> |
| Harvest rotation of only Phase 2 poplar available at this time | | <input type="checkbox"/> | <input type="checkbox"/> |
| Harvest rotation of only Phase 3 poplar available at this time | | <input type="checkbox"/> | <input type="checkbox"/> |
| Operational Collaboration | | | |
| Collaboration of permanent commercial operations allowed | | <input type="checkbox"/> | <input type="checkbox"/> |
| Proper use of facilities and/or required water at practices limited | | <input type="checkbox"/> | <input type="checkbox"/> |
| Collaboration of temporary processing and secondary storage operations allowed | | <input type="checkbox"/> | <input type="checkbox"/> |
| Product Use and Marketing | | | |
| High value added end product market for poplar limited | | <input type="checkbox"/> | <input type="checkbox"/> |
| Highest percent of poplar biomass used for processing limited | | <input type="checkbox"/> | <input type="checkbox"/> |
| Locatable/traceable product labeling proposed for poplar product | | <input type="checkbox"/> | <input type="checkbox"/> |
| Overall Interest | | | |
| My overall interest in BioCycle Farm poplar is | | <input type="checkbox"/> | <input type="checkbox"/> |

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Poplar Sales and Distribution



- Kraft Paper
- Cardboard
- Newsprint
- Veneer
- Charcoal
- Electricity
- Compost
- Mulch

Mission, Innovation, and Efficiency



| MU | Acres | Number of Trees (approximate) | Hybrid Varieties Planted* | | | | | | | | Date Planted | Harvest Deadline |
|---------------|-------|-------------------------------|---------------------------|--------|--------|---------|--------|---------|--------|-------|--------------|------------------|
| | | | OP367 | 50-197 | 52-225 | 184-411 | 49-177 | 195-529 | 24-305 | 15-29 | | |
| MU1 (Phase 1) | 156 | 35,000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | Spring 2004 | Fall 2015 |
| MU2 (Phase 2) | 122 | 27,000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | Spring 2007 | Fall 2018 |
| MU3 (Phase 3) | 116 | 26,000 | ✓ | | | | ✓ | ✓ | | ✓ | Spring 2009 | Fall 2020 |

