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Clean water. modular solutions. <i>simple</i> :	

Today's Speakers



Bob Kennedy CTO Newterra



Darin Feist VP Sales Aeration



Dr. Albert Robert (Bob) Rubin Professor Emeritus NCSU-BAE

Clean water. modular solutions. simple:

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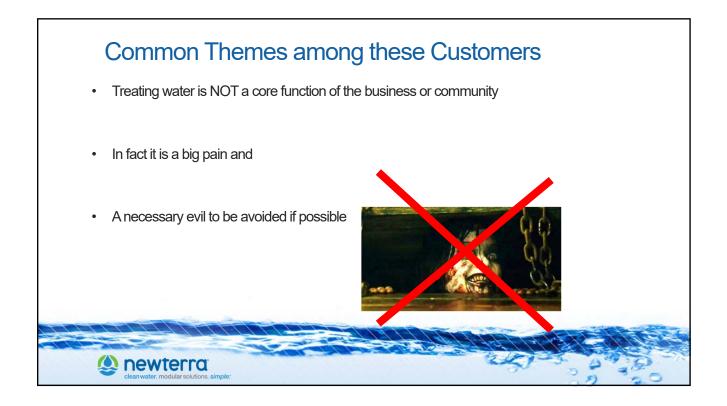




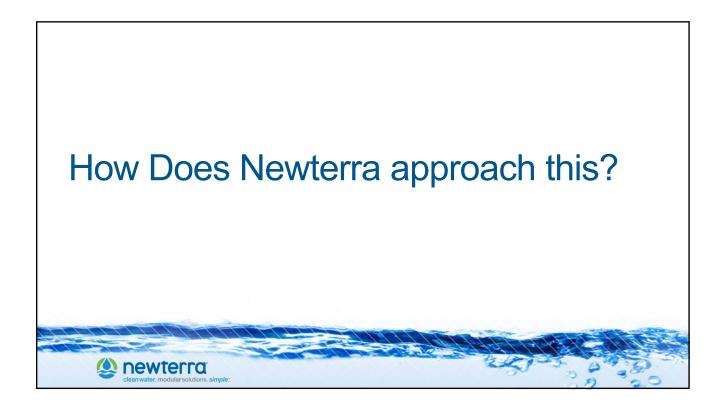




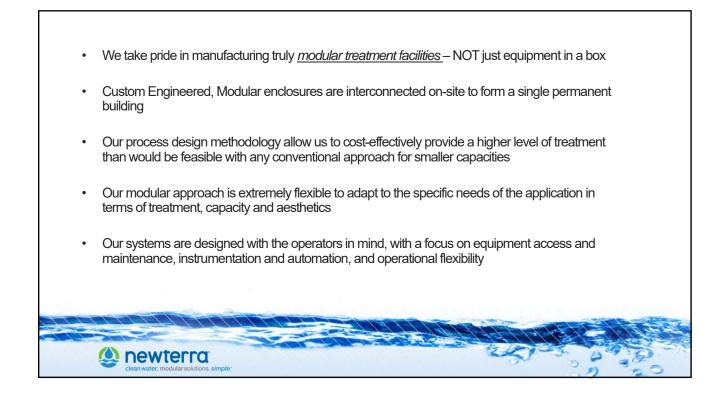


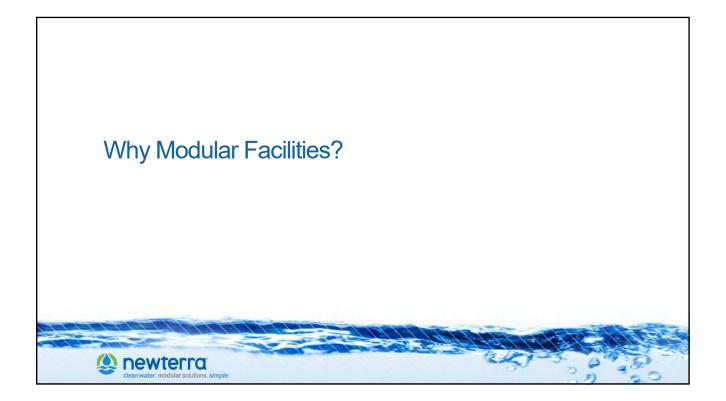


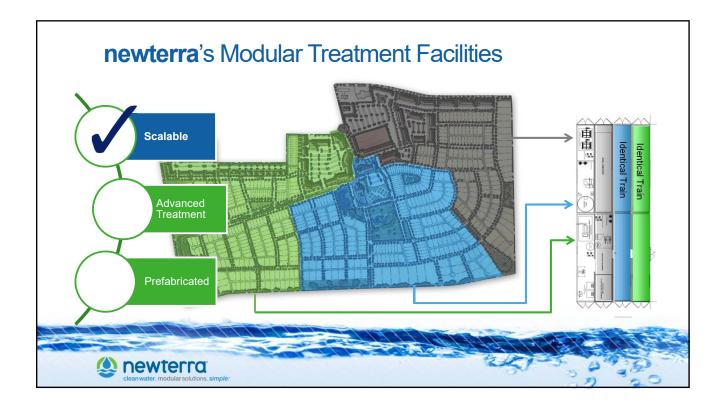


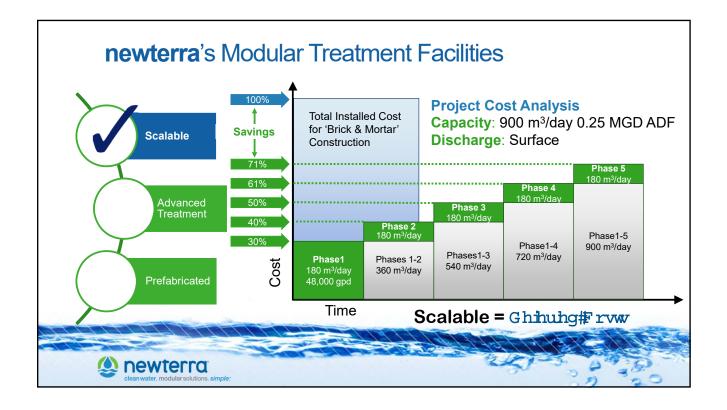


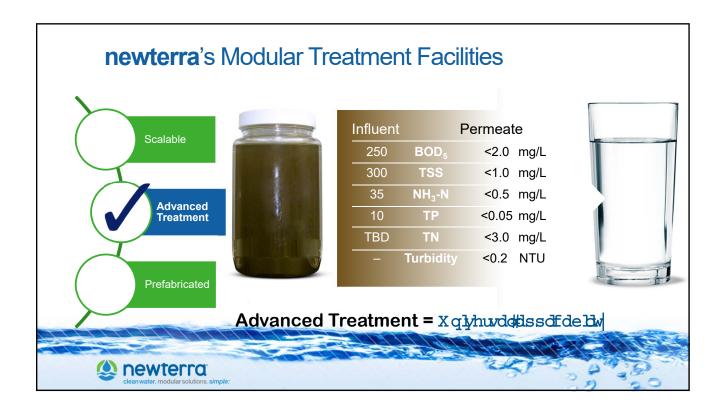


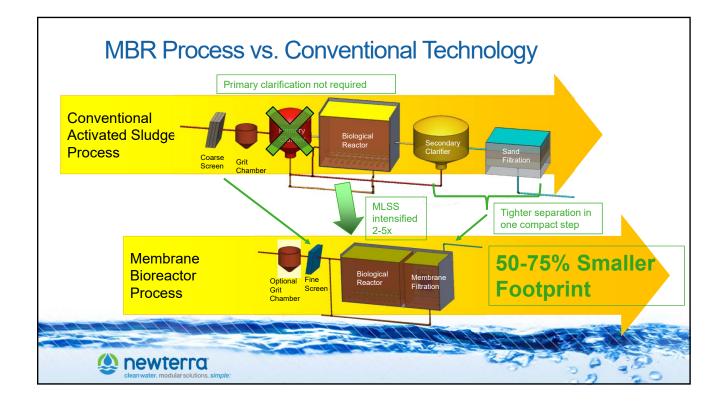


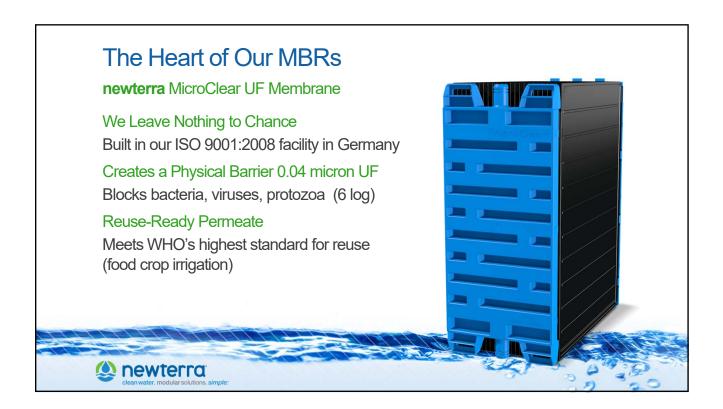


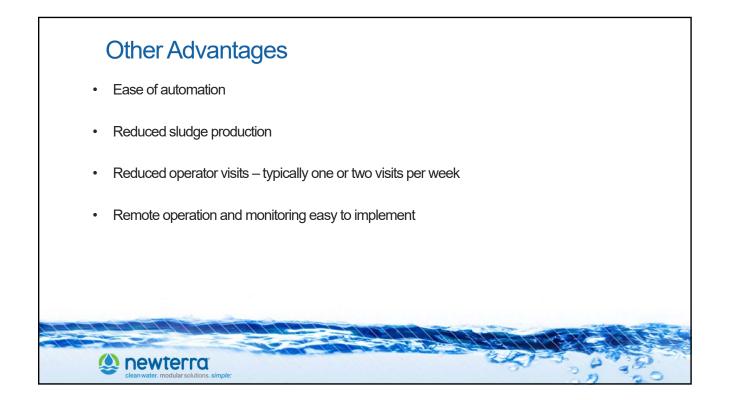




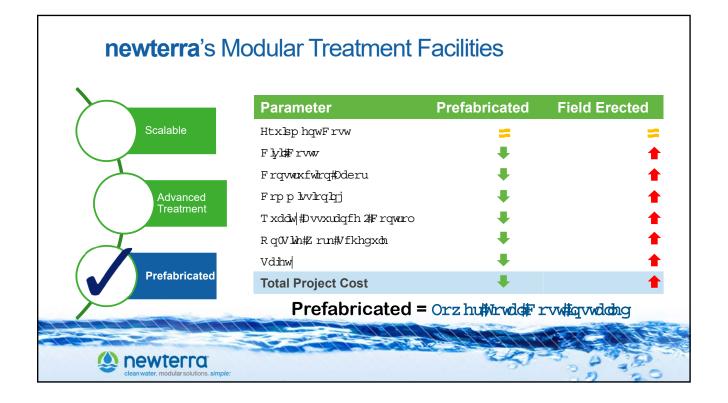


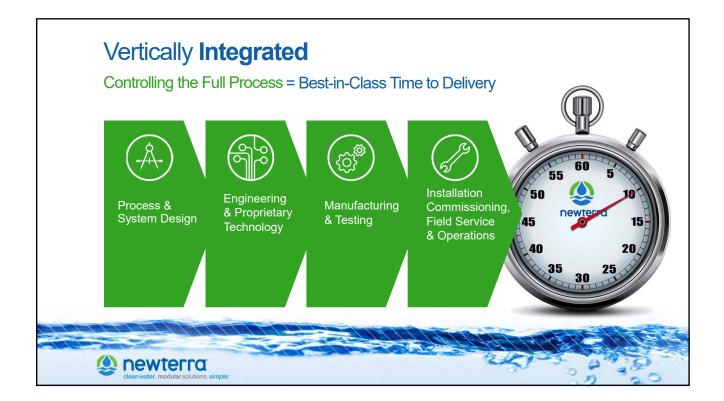




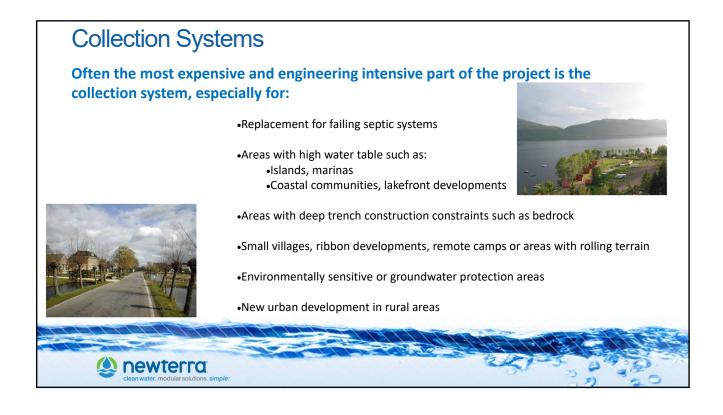














The Vacuflow/newterra Solution

Sewage flows by gravity to a Collection Chamber buried in the ground. A central vacuum system applies a constant vacuum to the piping network, buried in shallow trenches in a sawtooth fashion that allows liquid to be lifted when necessary.

Lower investment cost due to:

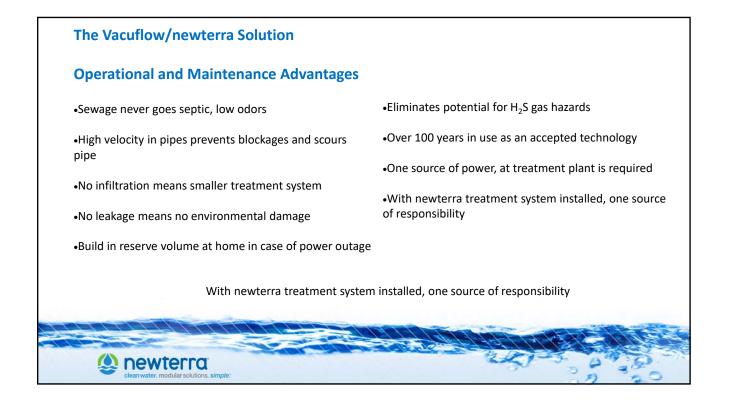
- •Small pipe sizes
- •Shallow, narrow trenches
- •No manholes
- •Pipe around obstacles
- •No lift stations

🔔 newterra



•No electricity except at vacuum station

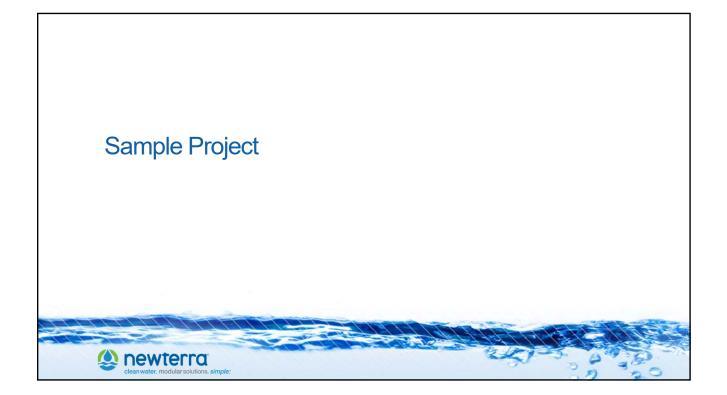
15



Regulatory Help Newterra provides assistance to the consultant or customer in procuring approvals Newterra regularly participates in reviews with the regulator and the customer/consultant In some jurisdictions newterra can provide permit application and management services





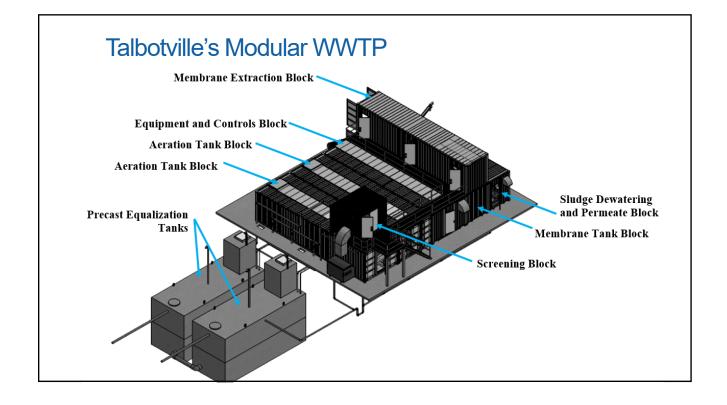


Talbotville

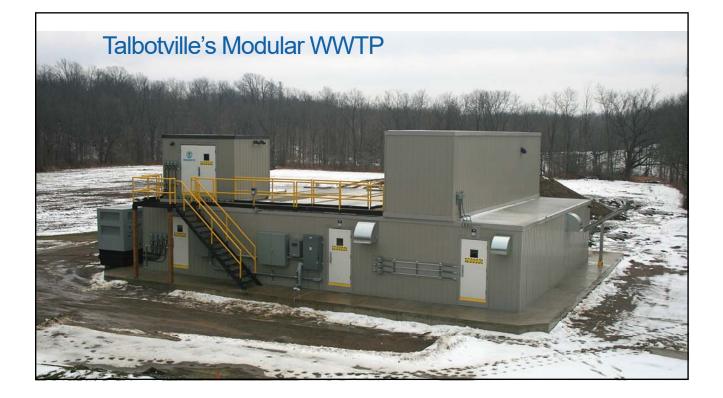
- Phase I for existing homes and new 70 lot development
- Phase 2 double the lots
- Phase 3 and 4 adds more lots and ties in existing septic users in the town

	l Effluent meter	Objective (maximum value unless otherwise indicated)	Criterion	
CBOI	D5	5.0 mg/L	Monthly Average Concentration	
Total	Suspended Solids	5.0 mg/L	Monthly Average Concentration	1
Total	Phosphorus	0.2 mg/L	Monthly Average Concentration	1
Total	Ammonia Nitrogen	1.0 mg/L (May 1 to Nov 30) 3.0 mg/L (Dec 1 to Apr 30)	Monthly Average Concentration	
E. col	li	100 organisms per 100 mL	Monthly Geometric Mean Density	
pH		between 6.5 - 8.5 inclusive	Single Sample Concentration	1
рН		between 6.5 - 8.5 inclusive	Single Sample Concentration	
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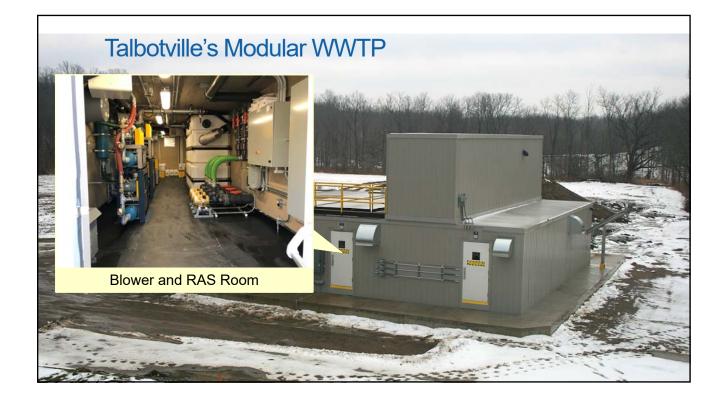




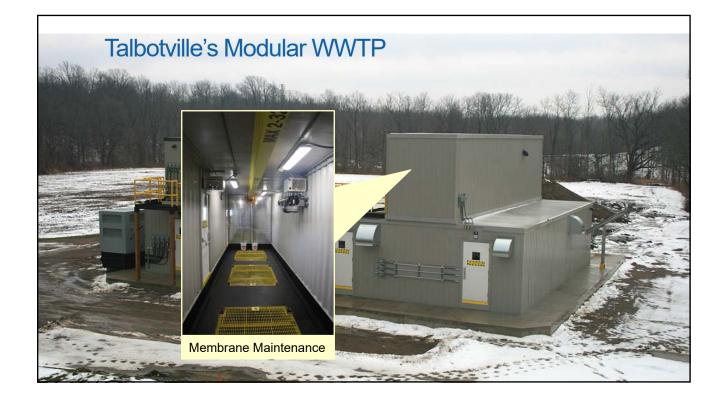




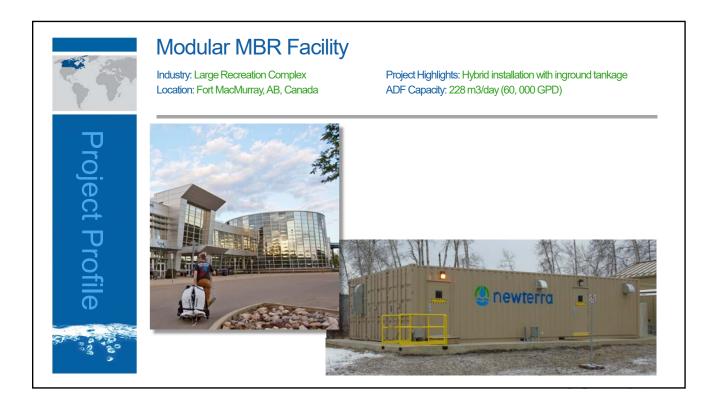














24



Modular MBR Facility

Industry: Poultry (turkey) Processing Location: Canada



Project Highlights: High BOD, FOG (DAF) ADF Capacity: 100 m3/day (25,000 GPD)







Modular MBR Facility

Industry: Resort Community Location: Lakes District, Ontario Project Highlights: Surface discharge into the pristine lake the resort is built around - the client did not want to compromise ADF Capacity: 150 m³/day (40, 000 GPD)







Modular MBR Facility

Industry: Mobile Home Community Location: Consecon, ON, Canada

Project Highlights: Meeting strict discharge requirements on small capacities ADF Capacity: 83 m³/day (22,000 GPD)





Modular SBR Sewage Treatment Facility

Industry: Subdivision Location: Ohio Population: 300 Project Highlights: Uses Triton surface aeration equipment Capacity: 70 m³/day (17,000 GPD) A





Industry: Oil & Gas Lodging Facility Location: Northern Canada

Project Highlights: Remote application; no external tankage ADF Capacity: 1500 m³/day (400, 000 GPD) (8,000 people)



