

How to Par	rticipate Today
File View Help    File View Help   Audio  Audio  Audio  Audio  Mode:  Use Telephone	<ul> <li>Audio Modes</li> <li>Listen using Mic &amp; Speakers</li> </ul>
Audio Setup  Cuestions Cuestions Log	<ul> <li>Or, select "Use Telephone" and dial the conference (please remember long distance phone charges apply).</li> </ul>
[Enter a question for staff]	<ul> <li>Submit your questions using the Questions pane.</li> </ul>
Webinar Now           Webinar D: 429-384-699           GoToWebinar™	<ul> <li>A recording will be available for replay shortly after this webcast.</li> </ul>
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:

# <text><text><text><text><text><text>





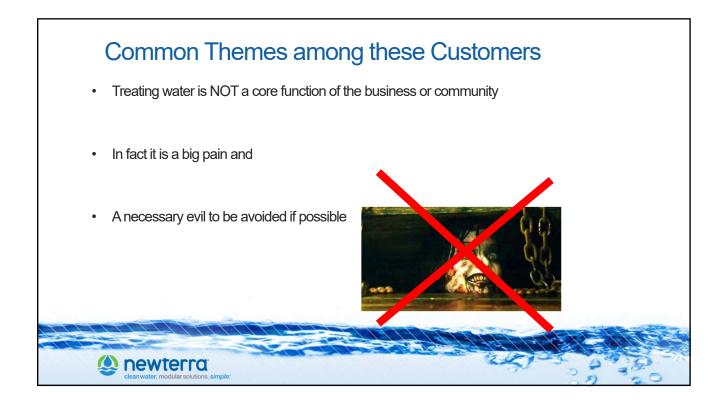




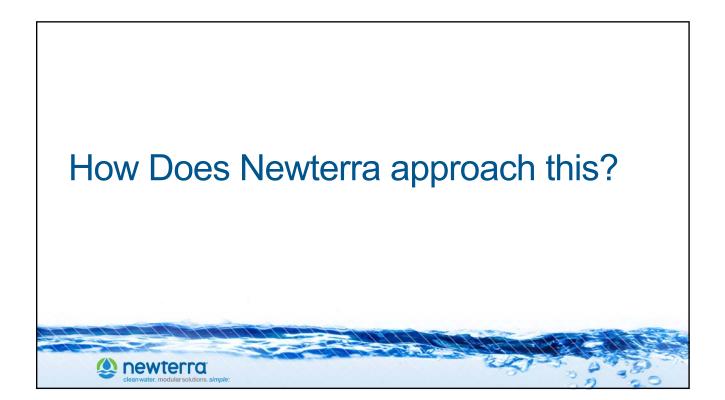




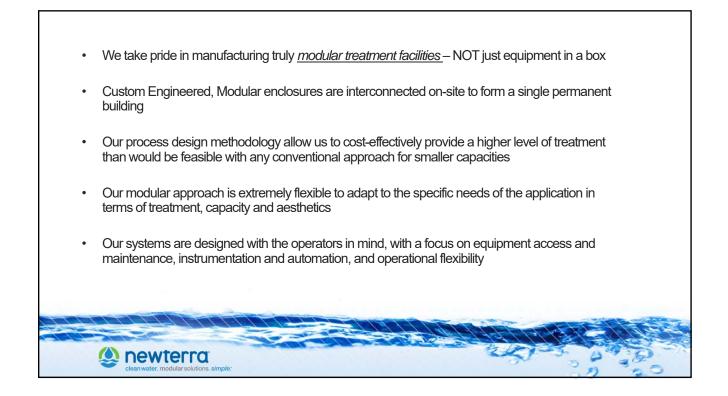


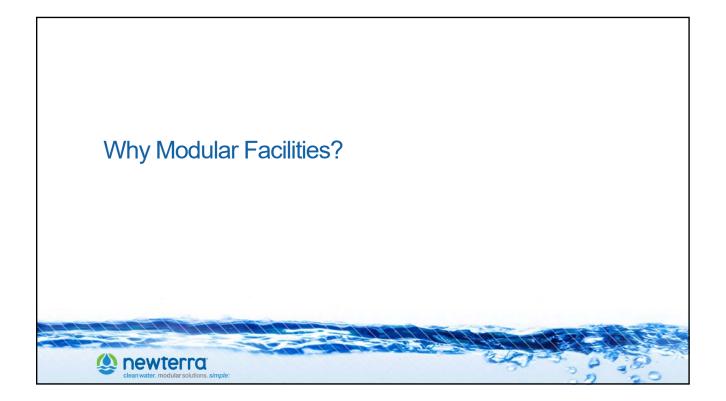


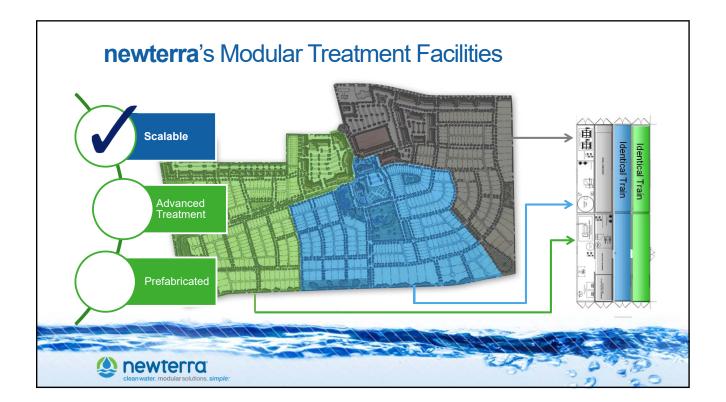


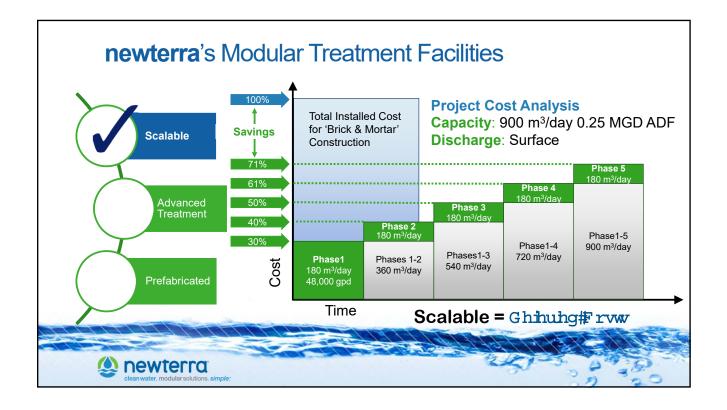


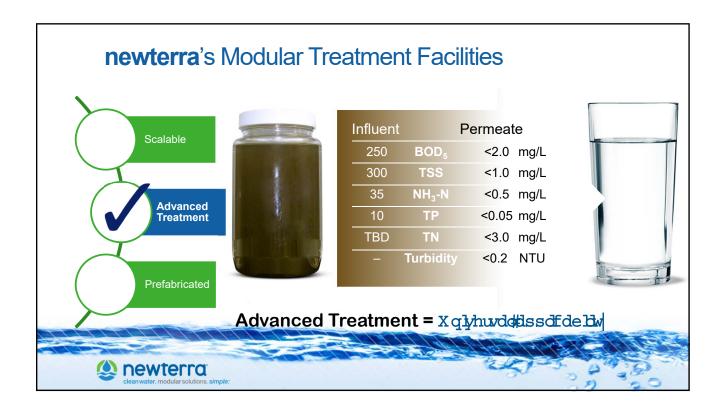


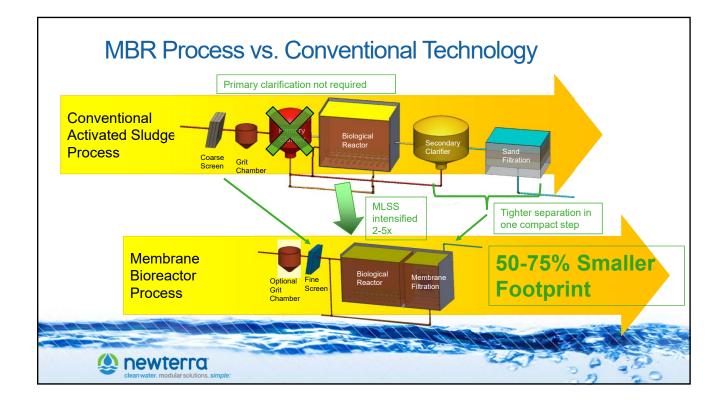


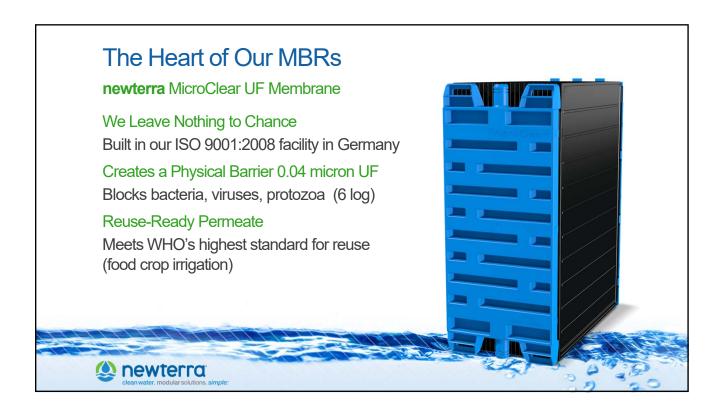


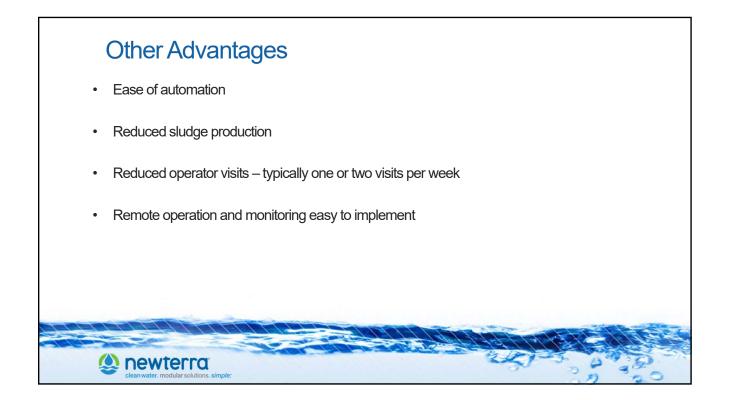




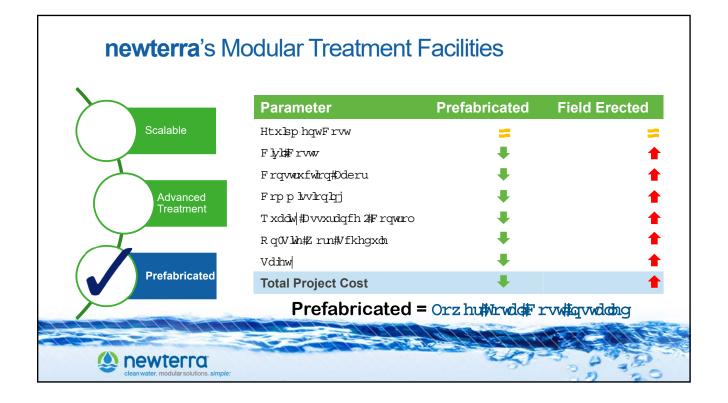


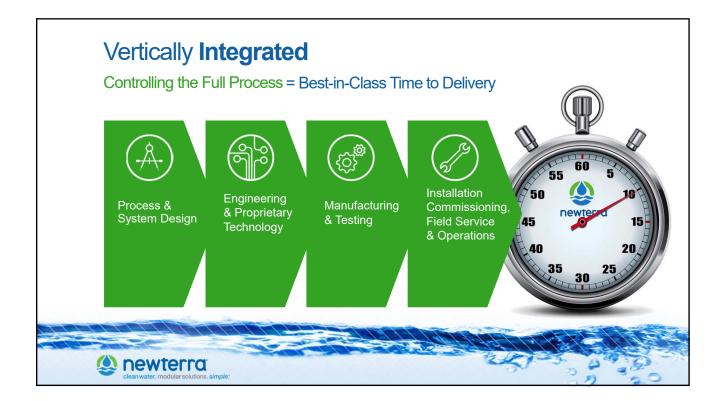


















### The Vacuflow/newterra Solution

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:

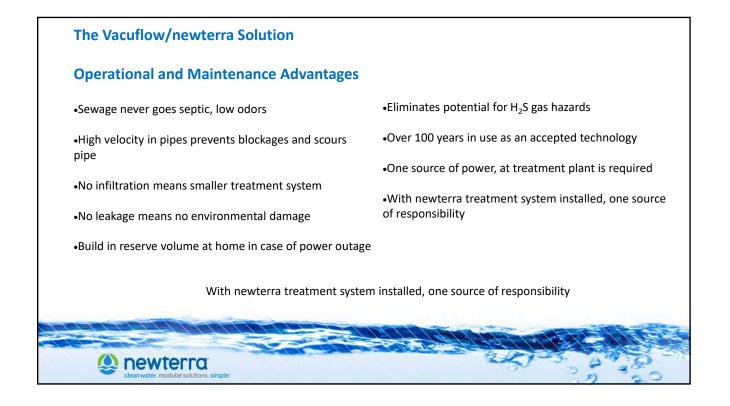
- •Small pipe sizes
- •Shallow, narrow trenches
- •No manholes
- •Pipe around obstacles
- •No lift stations

🔔 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





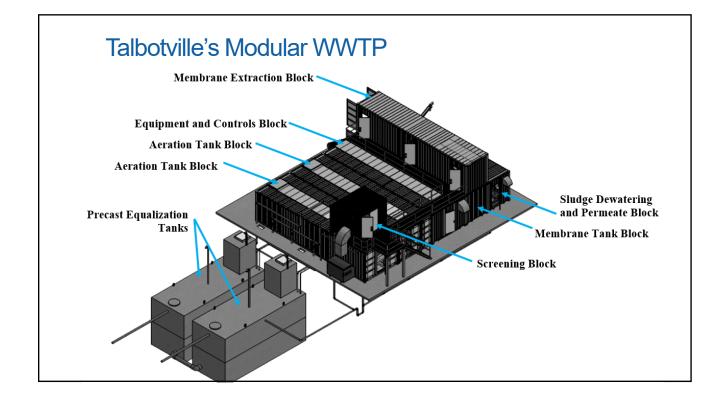


# Talbotville

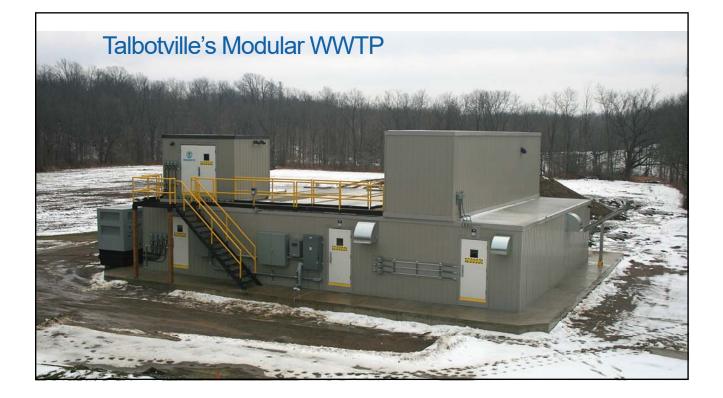
- Phase I for existing homes and new 70 lot development
- Phase 2 double the lots
- Phase 3 and 4 adds more lots and ties in existing septic users in the town

	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	
	ra		and the second	5 55 6



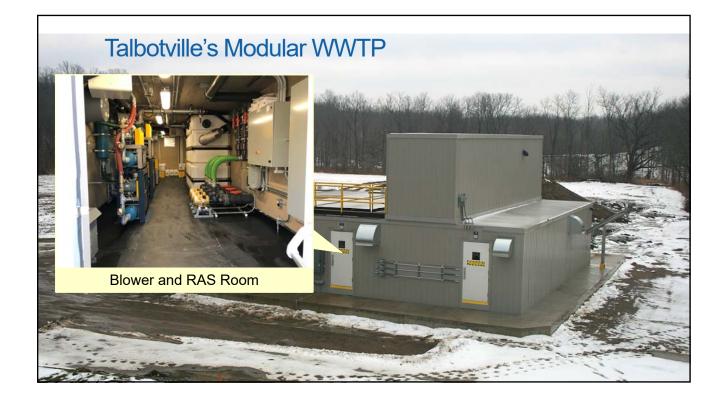




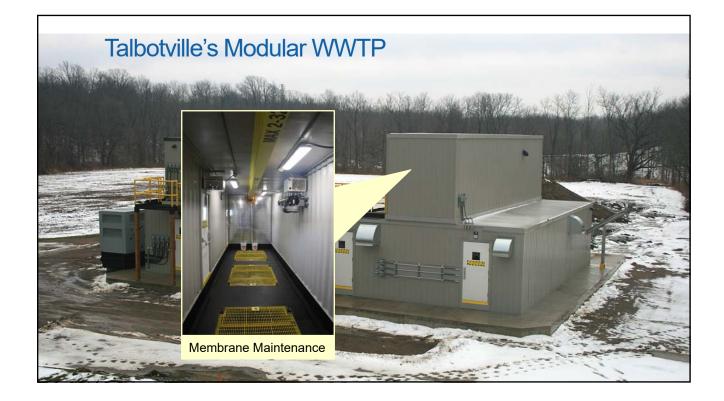


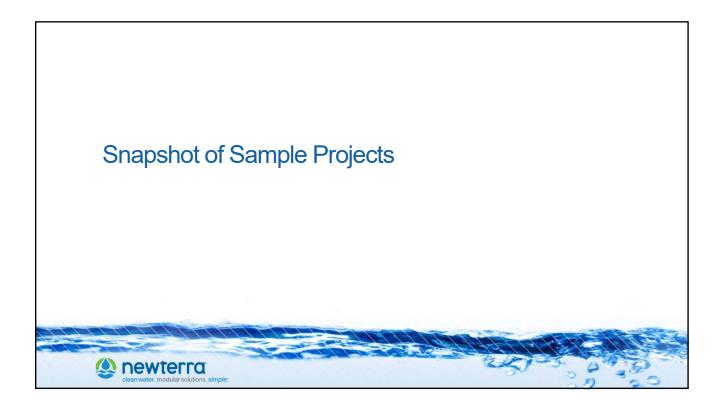


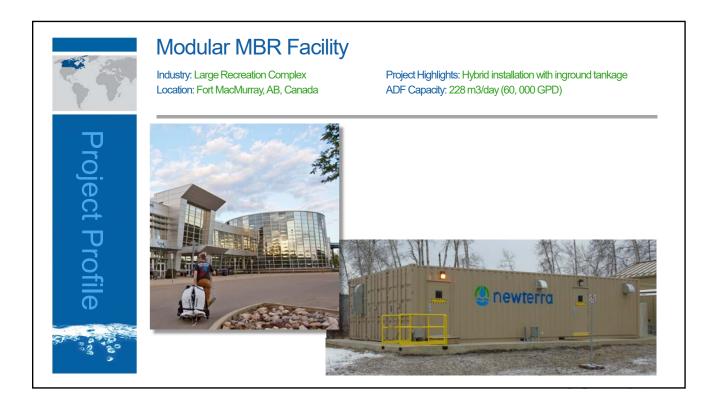














### 24



## 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 m<sup>3</sup>/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 m<sup>3</sup>/day (400, 000 GPD) (8,000 people)



