

November 15, 2016  
ITEM 14.E.1

INDIAN RIVER COUNTY  
BOARD OF COUNTY COMMISSIONERS

INTER-OFFICE MEMORANDUM

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TO: Members of the Board of County Commissioners  
DATE: November 8, 2016  
SUBJECT: Privately Funded Indian River Lagoon Pilot Project  
FROM: Tim Zorc  
Commissioner, District 3



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**Discussion Item:**

A free Pilot Project on water that is being conveyed in the canal system of the Indian River Farms Water Control District has been offered by Greenfield Resources. The offer for the free pilot project came up during a recent meeting when Greenfield Resources President/CEO, Adam Taylor, was visiting the Space and Treasure Coast last month looking for opportunities where they could field test their technology and equipment in Florida.

**Pilot Project Phases:**

Phase 1 - The offer, if accepted by the County and Indian River Farms Water Control District, would start with representatives coming to the County to take a number of water samples from a variety of locations in the canal system. These samples will then undergo a complete analysis of the water to see how well the technology utilized by Greenfields removes elements in the water. Water samples would then be transported back to Greenfields Corporate headquarters located in Troy, Michigan, for processing.

Phase II – Following the analysis of the water samples, the next phase of the pilot project would be for Greenfield Resources to temporarily locate one or more water processing units at a location suitable to Indian River Farms Water Control District and Indian River County. The temporary units would pull water from an approved location and then discharge the clean water back into the canal.

I would like to offer assistance to Greenfield Resources in coordinating with Indian River Farms Water Control District on furnishing electricity for the processing unit at an existing county facility or at the equipment location.

I would also like to discuss suggestions, at an upcoming meeting with staff, for testing types and data that could be run in conjunction with the duration of the pilot project to measure the effectiveness of the water processing.

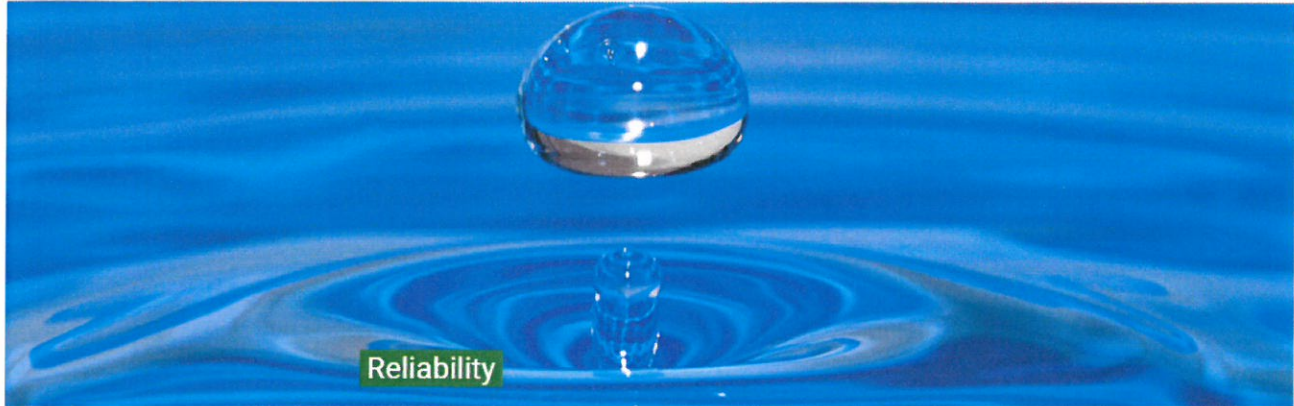
The timetable for the project would include collecting the water samples sometime over the next 3-6 weeks and running the pilot project in early 2017.

**A brief background on Greenfield Resources (information provided via the website, <http://greenfieldresources.com/>):**

Greenfield Resources develops and manufactures the world's most advanced industrial water treatment systems. Greenfield's A.L.E.F. (Advanced Linear Electro-Floatation) system stands alone as the most innovative and cost-effective water treatment technology in the world today. Greenfield's systems are capable of treating wastewater in over 35 different key industries, from the oil and gas sector to aquaculture, poultry farming and municipal water facilities.

Founded in June of 2014, Greenfield Resources Corporation is a privately owned and operated industrial wastewater technology company based in Troy, Michigan, with regional offices in Denver, Colorado and Beijing, China. The company is the developer and manufacturer of the world's most advanced industrial water treatment systems. Their seasoned team of professionals boasts over 250 years of combined experience in energy, environmental technology, international business, finance and management.

Greenfield Resources diligently seeks to expand its horizons and influence by discovering and developing new methods to cost-effectively treat and recycle the world's most valuable resource – water. The company holds numerous US and international patents on the world's most advanced, chemical-free water treatment technologies.



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### The Water Project



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### Operating Cost



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## Greenfield Resources Corporation

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"All men dream, but not equally. Those who dream by night in the dusty recesses of their minds, wake in the day to find that it was vanity: but the dreamers of the day are dangerous men, for they may act on their dreams with open eyes, to make them possible."

-T.E. Lawrence



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Clean Water Project

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