

Lina Upham

From: Ashley Jenkins <ashleymjenkins@icloud.com>
Sent: Tuesday, December 6, 2022 12:04 PM
To: City Council
Cc: Lina Upham; Daniel Smith; Mike McNees; Shelley McKernan
Subject: WATER COMMITTEE #2023-001 BEST VALUE TECH METHODS

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Thank you Council members for having Shelley and I upon public record yesterday!

Each of you + your city planner and communications director received our overview.

We would value a meeting with you in the upcoming week. The hope is to isolate the permit from FDEP and implement solutions ASAP:

- To clean pathogens from beaches
- To help the Re nourishment of plants succeed in the sand banks
- To mitigate fertilizer (our reuse water has ample phosphorus/ nitrogen and we need zero)
- To tackle the forming Benthic Mat from debris (which is breeding pathogens)
- To treat the Karenia Brevis (red tide) and alleviate the toxic levels present.

We have identified two solution partners:

Ecological Labs

(Link) <https://ecologicalabs.com>

Contact Aaron Sane/ Doug Dent

FloClear

(Link) <http://flo-clear.com>

Contact Darin Prizzi

Renewable Nutrients

Contact Jeff Dawson <https://www.renewablenutrients.com/about>

The larger issue is converting our storm-shed /water treatments to an AWT such as Naples City and others are in process of doing and seek better filtration processes such as FloClear provides which remove contaminates.

Renewable Nutrients can help to reclaim these bi products to be shared elsewhere, mitigating costs.

We saw the RFI due 12/6 seeking best practices for removal... we feel as advocates (unpaid, residents of Collier) — both Ecological Labs and FloClear would be ideal solutions.

Removal of Phosphorus and Nitrogen will require:

- 1 — a filter upon existing pipes,

- 2 — treating storm ponds (Ecological can clear the green sludge in 12-18 months without dredging at a fraction of the cost)
- 3 — adding filters to these ponds which feed storm shed
- 4 — using Ecological Labs to treat our contaminated water ways and beaches

Gratefully,

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