



## *Summer Village of Sandy Beach*

26<sup>th</sup>, November, 2020

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**Re: Notes/ Questions for Morrison Hershfield based on Nov 17<sup>th</sup> Lagoon Upgrade Memo**

Firstly, thank you Chad for the timely response in getting us information about our lagoon options. As we look at the lack of specific information about operation costs involved with the transmission line, and the increasing costs with using outside lagoons it is becoming more apparent that bringing our lagoon up to a functioning level will be our best option. We have some questions regarding **options 2 and 3** as per your memo.

It is questionable as to whether we would ever be able to discharge into Bard Lake. Therefore is there an option in plan 3 that would allow us to discharge into our own lake? i.e. sand filtering or other?

From the lagoon committee's **first review Nov 25<sup>th</sup>** it seems that **option 2** may be our best long term solution. Some **questions** arose.

- 1) Would work on a forth cell begin first, allowing the pumping of fluids from cell 2 and 3 into 4 before work would be done on existing cells?
- 2) With proper maintenance (scheduled desludging and other) would we need to potentially have to discharge cell 4 at some point, and what would be possible time lines involved? Considering future technical innovations, in your opinion could that discharge be to our lake: Sandy Lake?
- 3) Is it possible that a fountain system could be set up in one of the cells to aid in the evaporation process? This would of course not need to be functional immediately, but may be considered in the actually building process.
- 4) What are the potential O&M costs that might be related to a functioning option 2, and what is the considered life span of such a project?
- 5) Does and could Morrison Hershfield make the timely grant applications for these types of projects?

Again thank you for your time,

**Michael Harney Chair**

Joint Lagoon Committee, Summer Villages Sandy Beach and Sunrise Beach