

**MINUTES: Special Meeting**  
**PINE LAKE PROTECTION AND REHABILITATION DISTRICT**  
**AND JOINT MEETING WITH**  
**HILES TOWN BOARD**  
**February 3, 2021**

The meeting was called to order by Chairman Mark Farris at 9:13am. Present at the Hiles Town Hall was commissioners Jim Kurzynske and Terry Kloehn. On a zoom meeting call was Jerry Duhn and EJ Kutchie. Karl Tauer, Town Chairman and Brian Bukovic, Town Commissioner were also present at the Hiles Town Hall. Also remotely was Larry Konopacki, from the office of Stafford Law and Tiffany Kleczewski from Flambeau Engineering.

The meeting was posted 24 hours in advance of the actual meeting time.

The agenda was reviewed. Motioned by Terry to proceed with the agenda, seconded by Jim. Passed Motion by Terry to postpone reading of the past minutes and the current financial balances, seconded by Jim. Passed

**The special meeting agenda: Understanding Lake Fluctuations and Dam Design Impacts.**

The meeting is to share the data that has been compiled comparing the different levels of Pine Lake throughout the year and different options for dam construction.

The data is based off the Ayers Engineering model and data. Ayers is the firm that the Town of Hiles is using to design the new dam. Water flow data coming into Pine Lake was taken into account.

The data showed fluctuation by month of the lake level with=  
No Dam.

The fixed -Ayres proposed dam, which is a fixed crest set at 90.1 feet (about same elevation as existing dam)

Fixed crest dam at 91.3 ft

Fixed crest dam at 91.3 ft with gate, bottom of gate set at 91.3 ft, modeled with gate fully open.

The target lake elevation based on our past conversations were 91.8 ft.

What the data shows is that the levels in Pine Lake truly fluctuate a substantial amount throughout the course of the year. The dam design of a fix crest dam is not an option if we want to maintain a consistent level of the lake. Tiffany's conclusion based on the data is we can achieve a desired water level with a gated structure.

Larry stated that the graph is data that is needed to discuss the Original Manage Level Order and the fluctuations of Pine Lake with the DNR. The graph shows the ability to control lake level with a gated dam allowing the lake to be higher in the summer months (blue bar chart) and lowered in the winter to minimize ice push (orange bar chart).

Moving this project forward is not just the Lake Association and the Town Board. We will need the DNR, the studies and impacts of potential down stream effects and all the people in agreement on how to manage the lake level.

A discussion was held on the model of the 100 year water event and Jim asked if there is anything need to talk about 100 year drought event.

Karl said the timing for the dam replacement is the fall of 2022. The design and the approval for the dam is set for August 2021. We have about 6 months to get changes needed to change the dam design.

Larry has been in conversation with the DNR on the potential water level change and to have the change made prior to the new dam. He has not submitted a written proposal.

Karl stated that the Town tries to keep the lake level at the 90.8 level in the winter. This is to help minimize the shoreline damage in the spring due to ice shoves.

#### **NEXT STEPS**

**Tiffany** will run a few more models of the lake level fluctuations. The data currently is based off the average rain fall per year. Tiffany will run a twice the rain fall and a 50% rainfall set. She will also verify the model to a achieve the level for the winter lake draw down number to 90.8. – **Completion February 13<sup>th</sup>**

After Tiffany complete the model listed above, **Larry** will put together a written Informal Proposal to the DNR. Requesting a follow up meeting in person with the DNR. **Completion end of February.**

The topics in the proposal will include-

The fluctuation of the water level in Pine Lake has been a problem to the property owners.

A dam design without a gate does not work to control the level and will not have public acceptance.

There will be a proposal for a change in the current DNR water level order.

Based on the survey completed in 2020, the public supports a higher water level request.

Larry will work with Mark to get the survey data summarized and in the correct format to include in the written proposal to the DNR.

Mark reminded the group that the Town of Hiles did discuss in the November 2020 board meeting and approved that the Lake District can move forward to study the Ayers model with the cost/ expenses being picked up by the district.

There will be a public meeting held on February 24<sup>th</sup> at 6:00pm. The meeting will be a general meeting on the information of the dam and the road.

#### **Adjourn**

Being no further comments. Meeting adjourned at 11:05am.

Respectfully submitted,  
Jerry Duhn, Secretary