

Mayor
John Keis



City of Little Canada

515 Little Canada Road E.
Little Canada, MN 55117

Council Members
Tom Fischer
Michael McGraw
Rick Montour
Christian Torkelson

City Administrator
Chris Heineman

**Regular Meeting of the
Little Canada City Council**

Thursday, June 6, 2019

8:30 a.m.

City Center Council Chambers

AGENDA

1. Call To Order - Special Meeting - 8:30 A.m.
2. Roll Call
3. Staff Reports
 - A. Twin Lake Water Level Discussion

Documents:

[TWIN LAKE WATER LEVEL DISCUSSION.PDF](#)

4. Adjourn

This agenda is subject to change by additions and deletions.



STAFF REPORT

TO: Mayor Keis and Members of City Council
FROM: Bill Dircks, Public Works Director
DATE: June 4, 2019
RE: Twin Lake Emergency Meeting Information

As of Monday morning, the level of Twin Lake was 875.92 feet. With the continued flow of water into the lake from the overflowing West Vadnais Lake as well as rain on Tuesday evening, the lake level will likely be higher than 876 feet on Wednesday. That means it will officially be higher than the low house on the lake at 154 Twin Lake Blvd. As you know, the ultimate overflow to the MnDOT system is at 877 feet – one foot higher than the lowest house.

Due to these factors, the Ramsey Washington Metro Watershed District Board of Commissioners will be discussing emergency pumping of Twin Lake at its meeting Wednesday, June 5, at 6:30 p.m. They will consider all of the modeling information, as well as threats to downstream properties and will either recommend beginning a pumping operation or letting the lake reach its ultimate overflow of 877 feet.

In anticipation of the possibility that pumping may be started, the City and Watershed District have met with MnDOT and received a permit to pump into its system, and also applied for and received an appropriations permit from the MN DNR to pump the lake down.

The primary goal of pumping the lake down is to get the lake to a safe level below the lowest house on the lake at 154 Twin Lake Blvd. Due to the water flowing in from West Vadnais the pump will have to be set up to pump more out than is coming in to the lake. That is anticipated to be anywhere from 2,500 to 10,000 gallons per minute. It is unknown at this time how long it may take to get the lake to a safe level but it is important to at least get it stabilized so that it doesn't bounce any higher and potentially affect the next lowest homes on the lake. Due to the concerns downstream, the pumps would be turned off in anticipation of rain events to ensure the extra water does not cause other homes to flood.

Staff and the Watershed District walked the site with a representative of Northern Dewatering and Frank Frattalone on Tuesday morning and determined the best place to set up the pump and where to run the discharge hose. Based on those specifications and some rough calculations by Northern Dewatering, the anticipated setup and first month costs will be in the neighborhood of \$25,000. Monthly costs after that are dependent on how often Northern Dewatering maintenance staff needs to check on the pump and how much fuel is required. A gravel road will also need to be constructed through a portion of Mr. Frattalone's field to ensure that trucks and the fuel truck can get to the pump. Mr. Frattalone has offered to build that road and will be providing a cost for the work. Staff has asked the City Engineer for an estimate so the estimate can be compared.

Should the Watershed District choose not to pump, the City Council could still authorize pumping but would likely have to accept the entirety of the risk if it should result in flooding issues downstream. Information regarding pumping scenarios and potential flooding issues will be covered at the Watershed Board meeting Wednesday night.

Please contact staff if you need any additional information prior to Thursday's meeting. Additional information will also be provided at the Ramsey-Washington Watershed District meeting on Wednesday evening at 6:30pm. Staff representatives and City Engineer Mark Kasma will be at this meeting, and Council members are welcome to attend.