



Drake Landing Company

November 19, 2022

Dear Drake Landing Solar Community Member,

As a valued member of the community, the Drake Landing Solar Corporation is writing to advise you that we are initiating a study to assess and evaluate the overall condition of the solar thermal energy storage system due to an increase of failures over the last couple of years.

For the past 17 years of operations, the system has functioned as expected - collecting and storing heated energy which has been distributed to homes throughout the community by way of the district heating system.

Recently however, some technical failures within the system have been identified. These failures have resulted in lower than expected heat collection, storage, and distribution. In order to understand the extent of these issues and the resulting effect on the operation and efficiency of the system, a thorough engineering study will be required. This study is being paid for by the Drake Landing Solar Corporation.

While the study is occurring, we can assure you that there will be no interruption in heat being available to your home.

What we know:

1. There has been an increase in technical failures within the system which have been repaired or mitigated to date.
2. There are several redundancies built into the system that will help continue to provide heat to homes within the community.
3. There are no planned utility rate changes for the upcoming 2023 operating year.

What we don't know:

1. We do not know the condition of certain critical components as they require a more thorough analysis.
2. It is not known yet, what is required for short, medium, or long term fixes.
3. We do not know how long repairs to the system, if feasible, will take to complete.

What we are doing:

1. The Drake Landing Solar Corporation has dedicated funds to conduct a thorough engineering study.



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- a. This study will help us understand the overall condition of the system as well as the costs and benefits of any short, medium, or long term fixes.
- b. Some of the solar panels will be removed and sent away for analysis,
 - i. This is part of the engineering study that will help us to determine what is required to get the energy system back to full operation.

Our commitment to you:

1. We commit to being certain that there is no disruption of heat distribution to homes within the community.
 - a. The system has multiple redundancies in place.
2. We will provide you with information, decisions, and timelines when the engineering study has been completed.

Thank you for your patience while we work to assess the condition of the system and determine the best path forward.

If you have questions regarding this letter, please use the contact details below.

Sincerely,

The Drake Landing Company Board of Directors

Background Information:

The DLSC is also the first major implementation in North America of a technology known as seasonal solar thermal energy storage.

There are five main components of the DLSC project: the solar collection, the Energy Centre with short-term energy storage, the seasonal Borehole Thermal Energy Storage (BTES) system, the district heating system, and the energy efficient homes certified to the R-2000 Standard.

The DLSC was a project conceived by Natural Resources Canada (NRCan), a federal department of the Government of Canada. To see the DLSC through to fruition, NRCan established partnerships with innovative, environmentally conscious companies that had longstanding, credible reputations within their industries. Ground was broken at the DLSC in the spring of 2005, with the system starting operation in the summer of 2007.

Additional information about the DLSC can be found by visiting dlsc.ca