

**TOWN OF MINTO****DATE:** August 28, 2017**REPORT TO:** Mayor and Council**FROM:** Stacey Pennington, Building Inspector**SUBJECT:** Notice of Public Meeting; North Perth Energy Storage

STRATEGIC PLAN:

9.0 Ensure growth and development in Clifford, Palmerston and Harriston makes cost effective and efficient use of municipal services, and development in rural and urban areas is well planned, reflects community interests, is attractive in design and layout, and is consistent with applicable County and Provincial Policies.

BACKGROUND:

The attached notice of a Public Community Meeting was received regarding a new storage facility, just East of Palmerston adjacent to the current Transmission Station in North Perth. The substation supplies electricity to Palmerston. According to the Environmental Assessment Action (O. Reg. 116/01), energy storage facilities are expected to have minimal environmental impacts, as such, require no approvals.

Samsung is responding to a Request for Proposal for Incremental Regulation Capacity from Independent Electricity Operator, and is hosting a public meeting to provide information as a requirement of the Independent Electricity System Operator (IESO). The IESO operates Ontario's power system to ensuring long term electricity needs are met, maintaining a reliable power source, and planning for the future. In late July, the IESO released a Request for Proposal for Incremental Regulation Capacity in order to enhance the system reliability by procuring an additional 50-megawatt Capacity at the North Perth Energy Storage Facility.

COMMENTS

Not a lot of detail is available on the proposal, but according to information from Samsung provided earlier this year the facility will store "electricity from the grid, when the demand is low" and then "inject the electricity back to the grid, when there is in need to stabilize the grid system as well as the frequency of the electricity". The intent is to add energy storage "instead of spending multi-million dollars for large transmission line upgrade investment". The proposal will "consist of a few container buildings that house the battery system rack inside and the inverter located on the outside of the building to be interfaced with the nearby feeder-line". The project may be fairly similar to the NR Stor facility in Harriston.

RECOMMENDATION:

That Council receives the August 28, 2017 report from the Building Inspector regarding Public Meeting for North Perth Energy Storage for information.

Stacey Pennington, Building Inspector