

THE CORPORATION OF THE TOWN OF LATCHFORD

BY-LAW NO. 2018-009

BEING A BY-LAW TO confirm certain proceedings of Council of the Corporation of the Town of Latchford for its regular council held on April 17th 2018 and any of the matters shall be implemented by the exercise of natural person powers.

WHEREAS the necessary authority is found in Section 5 of the Municipal Act S.O. 2001, Chapter 25.

AND WHEREAS it is the desire of the Corporation of the Town of Latchford to confirm certain proceedings and by-laws.

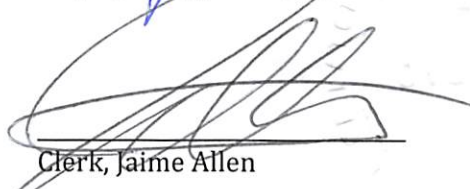
NOW THEREFORE THE Council of the Corporation of the Town of Latchford hereby enacts as follows:

1. That the action of the Council at its regular council meeting of April 17th 2018 in respect to each by-law and resolution and other action passed and taken or direction given by Council at its said meeting, is except where prior approval of the Ontario Municipal Board is required, hereby adopted, ratified and confirmed.
2. That the Mayor or, in his absence, the Acting Head of Council and the proper officials of the Municipality are hereby authorized and directed to do all things necessary to give effect to the said action or to obtain approvals where required, and except where otherwise provided the Mayor or, in his absence, the Acting Head of Council and the clerk are hereby directed to execute all documents required by statute to be executed by them, as may be necessary in that behalf and to affix the corporate seal of the Municipality to all such documents, and the Mayor or, in his absence, the Acting Head of Council and the clerk are hereby directed to execute all other documents necessary in that behalf and to affix the corporate seal of the Municipality to all such documents.

READ a first, second and third time and finally passed on the 17th day of April 2018.

Dated at Latchford this 17th day
Of April 2018.



Mayor, George Lefebvre

Clerk, Jaime Allen

PHYSICS 551

Problem Set 10

Due Date: _____

Student Name: _____

Section: _____

1. Consider a particle of mass m moving in a potential $V(x) = \frac{1}{2}kx^2$. The energy eigenvalues are given by $E_n = \hbar\omega(n + \frac{1}{2})$. Calculate the expectation value of the position $\langle x \rangle$ in the state $n=1$.

2. A particle is confined in a one-dimensional infinite potential well of width a . The wave function is $\psi(x) = \sqrt{\frac{2}{a}} \sin(\frac{n\pi x}{a})$. Calculate the probability of finding the particle in the region $0 < x < \frac{a}{4}$ for $n=1$.

3. A particle is in a state $\psi(x) = \frac{1}{\sqrt{2}}(\psi_1(x) + \psi_2(x))$. Calculate the probability of measuring the energy E_1 .



Figure 1: Particle in a potential well.