

**CARLETON UNIVERSITY**  
**Sustainable Energy and Policy Unit**  
**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Andrew MacMillan*  
*B. Applied Science, Univ of Waterloo, 2020*

**DATE:** *Thursday July 28, 2022, 9:00 Video Conference*

**THESIS TITLE:** *Machine Learning and Optimization Model Development for Northern Community Energy Planning*

**EXAMINATION BOARD:**

<b>Internal Examiner</b>	Shichao Liu, Department of Electronics	(Video Conference)
<b>Member of Department</b>	Ahmed Abdulla, Mechanical & Aerospace Engineering	(Video Conference)
<b>Thesis Supervisor</b>	Kristen Schell, Mechanical & Aerospace Engineering	(Video Conference)
<b>Chair of Defence</b>	Jean Duquette, Mechanical & Aerospace Engineering	(Video Conference)
<b>Chair/Director of Department or Designate</b>	Ronald Miller	(Ex-officio)
<b>Dean of Faculty</b>	Larry Kostiuk	(Ex-officio)
<b>Dean, Faculty of Graduate and Postdoctoral Affairs</b>	Patrice Smith	(Ex-officio)

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**Ronald Miller, Chair/Director of Department or Designate**  
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