

SUBMITTED BY:

**STEPHEN M. LANIER, PH.D.
VICE PRESIDENT FOR RESEARCH**

**UNIVERSITY CONTRACT WITH A COMPANY OWNED BY A
WAYNE STATE UNIVERSITY COLLEGE OF ENGINEERING FACULTY MEMBER**

RECOMMENDATION

The Administration recommends the Board of Governors authorize the President or his designee to contract with Energy Emissions Intelligence (E2i). E2i will provide support to Wayne State's Illinois Science and Engineering Innovation Foundation (ISEIF) grant, Educate and enable Illinois residents to actively reduce home-and work-related carbon emissions using innovative LEEM technologies. The purpose of the project is to promote transparency between energy and emissions while demonstrating the potential for the integrated technology incorporating a "Carbon Crunch" application and LEEM software for increased energy conserving behaviors in office environments.

BACKGROUND

Carol J. Miller, Ph.D., P.E., professor of Civil and Environmental Engineering in the College of Engineering, developed technology and methodology related to estimating the marginal emissions impact of a given electrical usage at a specific time and location (the Technology).

The Technology has been disclosed to the university and is described in WSU Tech ID 14-1255.

The Technology is being commercialized as copyrighted software. The WSU Technology has benefitted from WSU financial, facility and equipment resources. Energy Emissions Intelligence (E2i) is a startup company founded by Dr. Carol Miller, Steve Miller, and Loch McCabe. The company is registered and located in the State of Michigan. The WSU Board of Governors previously approved an option to an exclusive license. E2i has informed WSU of its intent to exercise the option and to enter into an exclusive license for the Technology.

Michigan Conflict of Interest law requires specific sunshine procedures in order for a University employee, or a company owned by a University employee, to contract directly or indirectly with the University:

(A)The employee must disclose any pecuniary interest in the contract to the Board and the disclosure must be made a matter of record in the Board's proceedings.

(B)The contract must be approved by a vote of not less than two-thirds of the full membership of the Board in open session.

(C)The Board’s minutes must report:

- (i) The name of each party involved in the contract.
- (ii)The terms of the contract, including duration, financial consideration between the parties, facilities or services of the public entity included in the contract, and the nature and degree of assignment of employees of the public entity for fulfillment of the contract.
- (iii)The nature of any pecuniary interest.

If the Board approves this Recommendation, the minutes will report as follows:

The Board of Governors authorized the President, or his designee, to contract with E2i, of which Dr. Carol J. Miller, professor of Civil and Environmental Engineering in Wayne State University’s College of Engineering, holds an equity position. The proposed grant will fund E2i’s technical/data product in support of Wayne State’s Illinois Science and Engineering Innovation Foundation (ISEIF) grant, *“Educate and enable Illinois residents to actively reduce home- and work-related carbon emissions using innovative LEEM technologies.”*

(i)The parties involved in the contract are Wayne State University and Energy Emissions Intelligence.

(ii) Energy Emissions Intelligence (E2i) will provide ongoing technical support to Wayne State University as it executes the ISIEF project. Specific support includes:

- * Providing day-ahead LEEM emission estimates to multiple project participants for multiple locations in and around Chicago, Illinois
- * Maintaining the integrity and quality of LEEM data
- * Providing monthly reports that describe CO2 emissions compared to baseline
- * Working with project partners to discover, develop and deliver LEEM information in an effective manner.

The budget for the E2i portion of this project is \$30,000. The project will be completed prior to December 30, 2019.

(iii) Dr. Miller’s pecuniary interest consists of an OWNERSHIP INTEREST, holding 33.3% equity interest in Energy Emissions Intelligence, and will therefore have the potential to financially benefit from the commercial success of the company, including the commercialization of the University’s Technology.