System Services Request [COMP 3513- Systems Analysis and Design]

**REQUESTED BY** Jodie Noiles **DATE:** January 10, 2012

**POSITION** Sustainability Projects Coordinator

**DEPARTMENT** Arthur Irving Academy for the Environment

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**TYPE OF REQUEST** **URGENCY**

[x] New system [ ] Immediate

[ ] System enhancement [ ] Losses tolerated for short period

[ ] System error correction [x] Losses tolerated for longer period

**PROBLEM STATEMENT**

Recognizing our unique responsibility to serve as a living model for sustainability, Acadia has undertaken many initiatives to reduce electricity and fuel consumption, energy costs and greenhouse gas emissions. Through a contract with Johnson Controls the overall energy efficiency of campus has been improved and many buildings are now integrated into an automated control system. However, Acadia does not have a public energy Dashboard that can be used to communicate and encourage better use of energy on campus. Developing an Acadia-made Energy Dashboard website is one of the next steps in effective energy and emissions management on campus.

**SERVICE REQUEST**

The purpose of the Acadia Dashboard Project is to complete the analysis and design of an energy Dashboard website for Acadia University. The initial scope of the project includes electricity use (kWh), fuel consumption (L), and greenhouse gas emissions (CO2e). Alternatives measures for fuel oil may be recommended. The system will have at least three users: administrators, users, and public.

The analysis and design of the system should include:

* Recommended primary features and functions based on an evaluation of other dashboard systems and known requirements. (e.g. competition function, building display, green building features, photo highlights, etc.)
* IT, human, and mechanical requirements for data management
* Format of the website (e.g. overall look and feel of the dashboard for users)
* A graded approach that allows the system to be constructed in increments as funding becomes available (initially, $2,000 is available for implementation of the first version of the systems in the summer of 2012).

**IS LIAISON** Danny Silver P: 585-1413, F: 585-1067, E: [danny.silver@acadiau.ca](mailto:danny.silver@acadiau.ca)

**SPONSOR** Marcel Falkenham, Director of Facilities

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[ ] Request approved. Assigned to: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Start date: \_\_\_\_\_\_\_\_\_\_\_\_\_

[ ] Recommend revision

[ ] Suggest user development

[ ] Reject for following reasons

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