Institution	*Name:*	Montcalm Community College
Project	*Title:*	Smith Health & Natural Sciences Renovation
Type of	*Project:*	Renovation
Program Focus of	*Occupants:*	Academics
Approximate Square Footage:		24,600
Total Estimated Cost:		$3,830,073.00
Estimated Start/Completion Dates:		one-year period (Fall to Fall)

Is the Five–Year Plan posted on the institution's public internet site	_X_ *Yes* ___ *No*
Is the requested project the top priority in the Five-Year Capital Outlay Plan?	_X_ *Yes* ___ *No*
Is the requested project focused on a single stand-alone facility?	_X_ *Yes* ___ *No*

Please provide detailed, yet appropriately concise responses to the following questions that will enhance our understanding of the requested project:

Montcalm Community College (MCC) is applying for Capital Outlay funding to renovate and upgrade the Kenneth Smith Instructional Building on the main Sidney campus. The Smith building is a 24,600 square foot instructional facility, built in 1966. It is in need of renovation and requires re-purposing of the space for the Nursing, Natural Science and related Health Careers programs. Over the last several years, MCC has had to cap enrollment in the Nursing program and delay implementation of new health careers programs due to space limitations within our facilities. We are confident that, as a result of this renovation and its associated investments in additional technology, including High Fidelity Simulated manikins and a virtual cadaver software-training program, we will be able to increase student enrollment by 25% in the program and add new programming. Regional demand for well-trained health-care workers is expected to remain strong for the foreseeable future and the College plays a major role in providing those workers to our communities. This renovation will enable the college to better serve the needs of employers in the region, resulting in a robust healthcare delivery system adequately staffed with competent professionals. We do not anticipate any increase in tuition due to this project and expect operating costs would decrease with efficiencies achieved through this renovation. The last planning authorization funding approved from the State of Michigan was in 2008.

Describe the project purpose: The proposed project is to address three main issues.

1) Renovate a 52 year old building in order to create a contiguous flow from the existing Stanley Ash

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labs and one open nursing lab. The renovation would complete the integration of the two buildings into one for the health and science programs. In reality, students now walk from a building that is less than 10 years old to a building that is 52 years old. The differences are stark; the plan to renovate is economically wise. The basic interior design of the Smith building is adaptable for updating and, with renovation, will provide a drastically improved learning environment for our health and science students.

4. *Does the project address or mitigate any current health/safety deficiencies relative to existing facilities? If yes, please explain.*

   Yes. The building was built in 1966 and has undergone only slight modifications since its opening. The renovation will allow us to update the building to meet ADA requirements and also to update the fire alarm system to an interactive model. In addition, ensuring secure key access/control is a concern due to the high cost of equipment located in the building and the presence of potentially dangerous chemicals and other materials. Window and door replacements will not only improve efficiency of operations, but also provide enhanced security measures.

5. *How does the institution measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization of existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?*

   The college monitors average class size every fall and spring semester and reports the results to the Board of Trustees as one of several key performance indicators. This method is used as an indicator regarding break-even points per class. There is not a comparable benchmark that MCC uses related to other institutions however, there is a generally accepted space planning guideline that suggests community colleges classrooms be used at least 30 hours or more per week on average (18 – 22 hours per week for labs depending on the discipline). In the Smith building, our review of classroom space is at 20.5 hours per week on average. In this case, this represents the availability that we can utilize two adjoining classroom spaces, and turn them into clinical lab space without hindering standard classroom availability and make better use of the space available.

6. *How does the institution intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?*

   In 2011, MCC entered into an Energy Services Agreement with Ameresco, Inc. to perform thorough energy audits for both the Sidney and Greenville campuses. As a result of these audits, substantial energy saving measures and improvements have been implemented. Upgrades included lighting (LED), web-based energy management system, mechanical/HVAC replacements, building envelope improvements and employee training on new systems. These efforts have resulted in hundreds of thousands of dollars in energy savings over the past six years. The two newest MCC buildings (the *Braman Center* in Greenville and the *Ash building* in Sidney) are both LEED certified. These actions are just two examples of MCC's commitment to sustainable principles and are in concert with the College's guiding philosophy of "sustainability." All work to be completed for this project will continue the commitment to a sustainable campus and will integrate sustainable design principles wherever possible.

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expansion of other health-related programs would be delayed. In the end, students are negatively impacted by limited enrollment opportunities in programs leading to careers in high-demand, high-wage areas. The College's ability to provide students with a modernized, collaborative learning environment would be compromised and full implementation of an upgraded complement of