

The emphasis by the President of the United States in his 1987 State of the Union message on the need to strengthen the nation's scientific base is also expected to stimulate renewed emphasis on campus development.

2.6.2 Current Trends

Competition for public and secondary schools is rooted in local politics.

But post-secondary institutions require design and management competence, whatever the source.

An estimated \$50 billion of campus facilities assets are at risk due to past neglect.

Retrofit, renovation and "smart buildings" are market niches for Canadian firms...

While the need for additional primary and secondary schools is expected to continue over the next few years, it will likely be at a declining rate. As in the past, local governments and school boards can be expected to contract with local architects for school design services and, as such, this will be a difficult niche for Canadian architects to penetrate. However, the design needs of post-secondary institutions is such that there could be considerable opportunity for Canadian architects in a variety of specialized niches.

The value of campus physical facilities is estimated at \$200 billion. Recent estimates suggest that as much as \$50 billion of these physical plant assets may be at risk due to past budgetary constraints. A Capital Renewal/Deferred Maintenance Survey is being undertaken by the Association of Physical Plant Administrators of Universities and Colleges (APPA) to better document the dimensions of this problem. Clearly though, retrofit, renovation, rehabilitation and renewal to improve energy efficiency and accommodate state-of-the-art technologies will represent a growing niche for architects throughout the remainder of this decade and into the 1990's.

Many of the buildings requiring attention also experience the added challenge of having historic significance. An example is the Nott Memorial in Union College at Schenectady, New York, a domed, 16-sided Victorian Gothic structure located in the centre of the campus and built in 1875. It has served as a 'graduates hall' for conventions and banquets, a library, a theatre and a bookstore. The upper floors and dome have been closed since the early 1970's for structural reasons and only now is renovation being contemplated at a cost of \$6 million. Possible future uses are as a computer centre, museum or an expanded theatre.