



George Brown College

160 Kendal Ave.,
200 King St. E.,
300 Adelaide St. E.
Toronto

Power Factor Improvement

George Brown College embarked on a program to reduce its direct operating costs. As a cost reduction measure, the college has initiated a comprehensive power factor improvement program, which has generated significant savings in energy costs.

In partnership with Toronto Hydro Energy Services, George Brown College is seeking to reduce its maximum demand to reduce distribution charges. Three of the College's main Toronto campuses have undergone a power factor improvement installation.

Benefits

The immediate benefit of the College's power factor correction is an average annual savings of \$13,000, accrued from a lower maximum distribution charge. An additional derived benefit is increased electrical capacity due to reduced system heating and improved equipment utilization.

The Facility

- Community college
- 3 sites
- 892,217 square feet

Service

- **Power Factor**

Results

- Project cost: \$32,000
- Annual cost savings: \$13,000/yr
- Payback period: 2.46 years
- Monthly average demand avoidance: 255 kVA

