Pratt & Whitney Canada understands that energy efficiency makes good business sense. That’s why, in 1999, it appointed a dedicated team to analyze and reduce energy and water consumption. Since its inception the team has reduced water consumption by 80 per cent and energy consumption by 40 per cent, saving the company $150,000 and $400,000 a year respectively.

These reductions were realized by implementing a number of initiatives, including closed loop processes and enhanced monitoring systems for reduced water consumption, and improved compressor, HVAC and light management for reduced electricity consumption.

ABOUT PRATT & WHITNEY CANADA

Pratt & Whitney Canada, based in Longueuil, Quebec, is a world leader in the design, manufacture, and service of aircraft engines powering business, general aviation, and regional aircraft and helicopters. The company also manufactures auxiliary power units and gas turbines. Pratt & Whitney is a subsidiary of United Technologies Corporation which is based in Hartford, Connecticut. Facilities are located in Halifax, Quebec, Ontario, and Alberta. Pratt & Whitney employs 6,300 people in Canada, 750 of which are employed at their Engineering Assembly and Test Facility in the Pearson Eco-Business Zone.

LOCATION

ADDRESS: 1801 Courtney Park Drive, Mississauga Ontario
PHONE: 905-564-7500
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ENERGY EFFICIENCY – ENERGY MANAGEMENT PROGRAM

Pratt & Whitney Canada understands that energy efficiency makes good business sense. That’s why, in 1999, it appointed a dedicated team to analyze and reduce energy and water consumption. Since its inception the team has reduced water consumption by 80 per cent and energy consumption by 40 per cent, saving the company $150,000 and $400,000 a year respectively.
Through their innovative program, 360 Energy has identified that half of the energy savings a company can realize will be through day-to-day operational changes, not capital based projects. 360 Energy and the Partners in Project Green Sustainable Energy Plan Program target those operational opportunities for increased efficiencies and cost savings. The goal of the Sustainable Energy Plan Program is to provide companies with a better understanding of where they are, where they could be, and provide them with a plan to realize those opportunities.

The Sustainable Energy Plan Program has three major steps to achieve these goals:

- The first step is to gather information on current performance through conducting interviews with various employees from different departments throughout the business. This provides an understanding of the knowledge base of the business and what they’ve already done, as well as a means to identify challenges going forward. Alex Robertson of Pratt & Whitney Canada shared, “I liked the first step of assessing where you are; the questionnaire is a very good resource for identifying things that do not cost anything. Being a finance guy, that is my favorite kind of project!”

- The second step of the Sustainable Energy Plan Program is to conduct a one-day interactive workshop with the company, relevant employees and, in some cases, with other companies, to benchmark the company against international best practices in energy management and share best practices. Even though Pratt & Whitney Canada had already implemented many projects to improve the energy efficiency of operations, the company realized through the workshop that there were still a lot of opportunities to reduce costs and improve performance with little to no capital outlay.

- The third step of the Sustainable Energy Plan Program involves writing the Sustainable Energy Plan. 360 Energy works with the organization to write the plan, providing coaching and support throughout the process. The Sustainable Energy Plan includes data...
and supply management, energy usage, energy efficiency, and organization integration. “We realized during the plan process that we were leaning on a few people to carry the load,” Mr. Robertson explained, “but by increasing employee awareness and involvement we feel confident that the plan will allow us to implement more initiatives to continue to achieve substantial reductions in energy consumption both at work and at home.”

Partnering with 360 Energy on this project ensured successful identification of energy issues and implementation of stringent energy management program. 360 Energy provides comprehensive and effective energy management programs and energy savings initiatives through its head office in Burlington, Ontario. 360 Energy has extensive experience in energy management, with clients across the continents and in a variety of sectors. Their team of professionals has the industry experience, marketing knowledge, and expert insight to customize their services to meet client needs. 360 Energy is dedicate to improve customer profitability and environmental performance. Recognizing that effective energy management is an ongoing process. 360 Energy constantly revisits and revises their approach to ensure continuous improvement.

The utilities are playing an active role as well. In the case of Pratt & Whitney Canada, Enbridge provided sponsorship, and will also help the company with guidance and finances to help implement other projects based on the Sustainable Energy Plan.

Through the process, it became clear to Pratt & Whitney Canada that it was vital to engage a variety of people throughout the company, and that energy efficiency is a business solution, not a technological solution. No matter how much you’ve done or how old your business is, there is always room for improvement. Mr. Robertson stated, “Energy must never be treated as a fixed cost. It is truly variable, and we need everyone’s help to understand how low we can go.” This is what the Partners in Project Green Sustainable Energy Plan Program allows a company to understand.
WHAT IS PARTNERS IN PROJECT GREEN?

Opportunities to gain a competitive advantage through sustainable business practices are more attainable than you think. Partners in Project Green is a growing community of businesses working together to green their bottom line by creating an internationally-recognized eco-business zone around Toronto Pearson.

Through new forms of business-to-business collaboration, Partners in Project Green delivers programming that helps businesses reduce energy and resource costs, uncover new business opportunities, and address everyday operational challenges in a green and cost-effective manner.

PEARSON ECO-BUSINESS ZONE

![Pearson Eco-Business Zone Map]

www.partnersinprojectgreen.com