

CLEVER BY DESIGN

NEW PLANT DESIGN PROGRAM FOR INDUSTRIAL PARTNERS

WITH POWER SMART, IT'S SIMPLER AND MORE COST-EFFECTIVE THAN EVER TO REAP THE BENEFITS OF ENERGY-EFFICIENT PLANT DESIGN.

INTRODUCTION

It's no secret that energy is a major operations expense for any industrial facility. And the reality is, as energy demand increases, it's a cost that can only continue to rise. That's a big part of the reason why plant owners are looking toward energy-efficient design and technology to help control costs.

We're here to help you do exactly that. It doesn't matter whether you are just starting on the path to energy conservation, or if you already have an extensive energy management plan in place. Power Smart's New Plant Design Program provides the incentives and expertise you need to move forward with confidence when designing a new or expanded facility.

Why design from the ground up for efficiency? For one thing, it's much simpler and more effective than expensive retrofits down the road. More importantly, it's about giving yourself a major head start on your fiscal, environmental, and productivity goals, all in one clever move.

IS THIS PROGRAM FOR YOU?

Our New Plant Design Program is designed for all of our industrial customers who meet two basic requirements:

- You're planning either a new greenfield facility, or you are expanding an existing facility enough to increase the power load by at least five per cent.
- Your facility has a savings potential of more than \$9,000 annually (to be determined during your fully funded energy study).

Even if your project doesn't meet these requirements, you may still be able to benefit from other Power Smart programs. Get in touch and we'll help you find a program tailored to your needs.

KEY BENEFITS

REMARKABLE SAVINGS

You'll enjoy lower operating and maintenance costs over the lifespan of the facility.

RELIABILITY AND CONTROL

State-of-the-art efficiency means enhanced productivity and product quality.

GET AN ECO-BOOST

Good design is a head start

CLEVER INCENTIVES FOR CLEVER DESIGN

WE'LL PAY FOR YOUR ENERGY STUDY

BC Hydro will pay the complete cost of including a comprehensive energy study in your design process. The study will equip you with everything you need to make informed and confident choices about meeting your facility's energy needs. That includes establishing the plant's energy baseline, as well as evaluating alternative design options and key opportunities for improving efficiency.

You will have the choice to work with one of our Power Smart Alliance members or your own preferred engineering firm. In either case, you'll have access to Power Smart engineering experts in building design, lighting, HVAC, envelope, electrical systems and process.

WE'LL MAKE IT SIMPLE

Your energy study is really just the beginning. By taking part, you'll gain access to additional Power Smart resources and offers—everything from employee energy awareness training, to co-funding to hire a long-term energy manager, to funding for demonstrations of advanced technology and energy innovation applications new to BC.

If you decide to take advantage of our efficient-design incentives, we also have a streamlined application process to ensure that you can participate without affecting your design schedule.

WE REWARD GOOD DESIGN

If you decide to follow through with any of the recommendations from your energy study, we have two incentive schemes that reward you for choosing efficient design:

- **Savings on your transmission rate**—Choose this option, and you'll get long-term savings on the facility's electricity rate, on top of the savings that you'll be enjoying from more efficient design choices. This option is ideal for transmission customers looking to reduce operating costs once the construction is finished.
- **Up-front capital incentive**—Choose this option for an up-front capital incentive designed to reduce the payback period for your energy-efficient design choices. This incentive is perfect for both transmission and distribution customers whose primary concern is managing the construction budget. (Please note that the capital incentives are capped at the amount needed to reduce the payback to two years.)

For example, let's say that your energy study shows that you can save 500,000 kWh every year with just \$150,000 worth of efficiency improvements to your plant design. Those improvements would qualify for a capital incentive of up to \$70,000. Add to that energy costs saved—in this case, up to \$25,000 each and every year—and you can see how powerful good design really is.

Of course, that's just an example. The exact incentive levels vary depending on the individual project and on whether you're a transmission or distribution customer; we can advise you on the best option for your particular situation.

WE'LL RECOGNIZE YOUR COMMITMENT

We believe in giving credit where credit is due. Complete the program, and we'll be proud to recognize your commitment to conservation:

We'll note your achievement and credit your design team on our website.

- You'll have the option of participating in a Power Smart case study to showcase your accomplishment and promote efficient design to peers in your industry.
- Your team will be eligible for the Power Smart Excellence Awards, an annual ceremony to recognize outstanding energy leadership and commitment.
- You will be able to leverage the Power Smart brand in your marketing materials.



READY TO FIND OUT WHAT CLEVER DESIGN CAN DO FOR YOU?

Contact your Key Account Manager, or give our Customer Care people a call.

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