

Demand Manager
PO Box 815 Bondi Junction NSW 1355
Phone: (02) 8005 1145
Fax: (02) 9363 9955
Email: info@demandmanager.com.au

Name
Title
Company
Address
Suburb State Postcode

Dear Name,

NSW Government funding to help the environment

Power factor is a measure of how efficiently your operations use electricity.

Business consumers of electricity in NSW have an obligation under their connection agreement to maintain power factor above 0.90 and those that improve it to 0.98 can further cut power bills and contribute to reducing greenhouse gas emissions.

The NSW Government is offering financial assistance through the Climate Change Fund to help with the costs of installing power factor correction equipment. This limited offer applies to any business customer located in Integral Energy's network area (note you may be a retail customer of another supplier but still be located in the Integral Energy network area).

If you would like to have an assessment of your facility undertaken, complete the form on the back of this brochure and return by post or fax. In the first instance, an assessment of your electricity bill will reveal whether there is an opportunity

If this looks promising, then a site visit will be arranged to prepare a more detailed, obligation-free proposal for your consideration including the relevant Government grant.

Further information on power factor and some case studies are provided overleaf for your information. If you would like to find out more, please feel free to contact me on (02) 8005 1145.

Yours sincerely,



Jeff Bye
Program Manager



What is Power Factor?

Power factor is a measure of how efficiently each amp of electricity is converted into heat, light or power for electric motors.

Organisations with systems installed have achieved payback in one to three years and report a lot less wear and tear on motors that run more smoothly with less burnout.

It's all about saving money. Projects have great benefits in reducing environmental impact too, but without compromising the bottom line.



“Because power factor correction increases efficiency at the premises, it delivers immediate electricity savings”

John Piovesan, CapTech

Why we improve Power Factor?

- Save energy and money
- Reduce greenhouse gases from the site's operations
- Reduce harmful system harmonics and fewer equipment problems related to power-quality
- Free up spare capacity for future load growth
- More stable and improved voltage regulation for maximum efficiency
- Reduce the strain on the electricity network and costly network upgrades



Who is CapTech?

Capacitor Technologies (CapTech) is well known in the industry for providing quality and reliable power factor correction equipment to the commercial, industrial and general business sectors.

We have been in operation for **over 25 years** supplying turnkey solutions to all major *power authorities, consultants, contractors and customers* throughout Australia and some overseas countries.

Our Head Office is based in *Melbourne* with sales & support offices in *Sydney and throughout Australia*.

Our partner and supplier of quality capacitors is located in *Germany* and is celebrating 80 years of manufacturing. We are proud to be supporting their products in Australia.

Parramatta Leagues Club



"The new power factor correction equipment has helped our Club save money and the environment. The Government rebate made it a viable commercial proposition"

John Flower, Club Maintenance Manager.

Parramatta Leagues Club is located in Parramatta and is home to the **Parramatta Eels NRL football team**. With over 36,000 members, and operating hours which stretch from morning to morning, the club is one of the largest clubs in NSW.

PFC Unit Installed:	1 x 200kVA
Power Factor -Before:	0.88
-After:	0.98
Peak Power Saving:	52kVA
Greenhouse Saving:	179 tonnes CO ₂ -e over 15 years
Total Price:	\$15,606
Less Government Rebate:	\$5,746
Annual Savings:	\$4,146
Simple Payback:	2.3 years

Fletcher Insulation



"Power factor was an easy win for us, and the three units we installed will deliver savings that go straight to our bottom line, year after year"

Bobs Reyes, Maintenance Manager

Fletcher Insulation is one of the largest manufacturers and distributors of quality insulation products for the residential, commercial and industrial markets throughout Australia. When power bills started rising at their glass-wool manufacturing plant in Rooty Hill, power factor was identified as an opportunity to rein in the costs.

PFC Unit Installed:	1 x 250kVA + 2 x 300kVA
Power Factor -Before:	0.76 – 0.88
-After:	0.98
Peak Power Saving:	259 kVA
Greenhouse Saving:	762 tonnes CO ₂ -e over 15 years
Total Price:	\$57,663
Less Government Rebate:	\$13,300
Annual Savings:	\$21,641
Simple Payback:	2.0 years

New Food Coatings Pty Ltd



"Power factor represented an opportunity at our facility which we undertook. We are still evaluating the results from the project but we were happy that the NSW Government provided rebates to help us install the technology."

Howard Jones, Operations Manager

New Food Coatings has been operating in Wetherill Park for over 20 years with a focus on developing and delivering the latest trends in food coatings and seasonings. **New Food Coatings** installed three PFC units, 1 x 37.5kVA, 1 x 125kVA and 1 x 200kVA. Forecast outcomes for the smallest unit are provided here, demonstrating the financial benefit for smaller projects.

PFC Unit Installed:	37.5kVA
Power Factor -Before:	0.83
-After:	0.98
Peak Power Saving:	14kVA
Greenhouse Saving:	34 tonnes CO ₂ -e over 15 years
Total Price:	\$5,650
Less Government Rebate:	\$1,765
Annual Savings:	\$1,170
Simple Payback:	3.3 years

Power Factor Program

Fax form to: **(02) 9363 9955**, Jeff Bye, Demand Manager

INVESTIGATION REQUEST FAXBACK: POWER FACTOR CORRECTION

Name _____

Position _____

Company _____

Mailing Address _____

Phone _____

Fax _____

Email _____

I, _____ of (company) _____

give permission for Demand Manager (ABN: 64 115 850 729) to access electricity usage data from Integral Energy for the purpose of identifying opportunities for the implementation of power factor correction equipment using funding assistance from the NSW Government's Climate change Fund.

Demand Manager is acting for Capacitor Technologies (ABN: 19 106 461 385) who are experts in the manufacture and installation of power factor correction equipment.

Site Address _____

NMI Number * _____

Estimated monthly electricity cost: \$ _____

Signature _____ Position _____

Please include a copy of both sides of your last electricity bill, to make assessment faster.

* The National Meter Identification (NMI) Number is a unique alpha-numeric code for your electricity connection and can be found on any of your electricity bills.



For more information on the Climate Change Fund, visit www.dec.nsw.gov.au, Demand Manager visit www.demandmanager.com.au or CapTech visit www.capttech.com.au.