



NW Trade Ally Network

Tacoma Public Utilities

Feb. 3rd & 4th, 2009

Overview of Existing TPU Territory

163,000 customers

- **57% within the city limits**
- **43% outside the city limits**

SIZE OF CUSTOMER CLASSES	
CLASS	NUMBER OF CUSTOMERS
Residential	144,515
Commercial**	15,413
Industrial	2,659

** Commercial class includes street lights, transportation

Over 18,000 potential lighting prospects!

Tacoma Power last year rolled out two new lighting programs

Small Project Lighting

This program gives a set dollar amount per energy saving measure

Rebates limited to \$5,000

Reduced paperwork

Specific lighting measures are pre-approved

Bright Rebates Lighting

This program is for all projects where the rebate is over \$5,000

All cost effective lighting measures are acceptable.

All projects require pre and post inspection, and may need data loggers prior to approval

Examples of rebate amounts

- | | | |
|----|-------------------------|-------|
| 1. | 2 lamp T-8 lamp/ballast | \$35 |
| 2. | 2x4 reflector kit | \$55 |
| 3. | New 4L T-8 fixture | \$70 |
| 4. | 26W CFL | \$6 |
| 5. | LED Exit sign | \$35 |
| 6. | CFL wallpack | \$90 |
| 7. | New 4L T-5 Hi-Bay | \$160 |
| 8. | Occupancy sensor | \$70 |



Tacoma Power Exclusives

- \$1 per lamp for reduced wattage T-8's
- \$20 per lamp for screw in CMH lamps
- \$40 per fixture for LR6 LED recessed can retrokits

Bright Rebates

Tacoma Power offers rebates for the conversion from Inefficient lighting to energy saving lighting technologies including:

- T-8 or T-5 fluorescent systems
- Compact fluorescent lamps
- Pulse start MH
- LED fixtures and lamps
- Controls and sensors
- Other creative strategies

New construction and existing buildings



Tacoma Power pays an incentive of 17¢ per kWh saved 1st year

Cap of 70% of cost

Customer savings of 40-60% are common!

Bright Rebates Process

Application submitted to Tacoma Power

Analysis of savings conducted- Data-Logging done

Project cost effectiveness & incentive determined

Bid from Trade Ally submitted to Tacoma Power

Contract signed: customer & Tacoma Power

Notice to proceed letter sent by Tacoma Power

Electrical Permit obtained

New Fixtures installed

New Fixtures inspected

Invoices & Waste Disposal form submitted

Incentive issued to customer \$\$

LED Sign Program



Tacoma Power offers rebates for the conversion of signs to LED lamps

- Incandescent
- Neon
- Fluorescent
- Traffic Signals



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Cap of 70% of cost

Loan Program

Tacoma Power offers loans for qualified energy-efficiency projects

Loans can cover most electrical projects to upgrade lighting, electrical equipment, HVAC, refrigeration, controls, and energy management systems

Loan Terms

Zero Interest

Five year term

\$1000 minimum

\$500,000 maximum or
70% of project cost

Must meet Tacoma
Power's cost-
effectiveness criteria

Existing buildings only

Loans must be secured

Current C/I Conservation Programs

Bright Rebates Program (Efficient lighting)

New Construction Program

Energy Bill Profiler (Analysis of your electric usage trends)

LED Traffic Signal

Zero Interest Loan Program

On-site walk thru energy audits

Energy Smart Grocer Program

Compressed Air Efficiency Program

Cool Rebates

C&I Conservation Programs

new , improved or explorations in 2009



Custom Efficiency – tailored program for existing facilities not eligible for other incentives; addresses complex engineering applications requiring extensive verification

Efficient Equipment – prescriptive incentives based on equipment size and efficiency (e.g. HVAC, VSDs, motors, appliances, office equipment, etc.)

Resource Conservation Manager Program – Pilot to explore training RCMs in large facilities or campuses

Retro- Commissioning pilot to examine offering engineering studies, improvements to buildings through operational improvements and training

Roger Peery
Lighting Specialist
Conservation Resources Management
253-502-8138
rpeery@cityoftacoma.org

Peter Meyer
Commercial - Industrial Manager
253-502-8528
pmeyer@cityoftacoma.org

Jon Palmer-Williams
Conservation Resources Management
253-502-8548
jwilliams@ci.tacoma.wa.us

Breanna Combs
Conservation Resources Management
253-502-8728
bcombs@cityoftacoma.org