

## Company Info\_

**Company Name:** Angeles Power, Inc.

**Address:** Angeles Industrial Park, Calibutbut,  
Angeles City

**Tel. No.:** (045) 888-2838

**Fax No.:** (045) 636-6033 to 34

**Established:** April 22, 1993

**Managing Director:** Mr. Rosby Calma

**No. of Employees:** 60

**Products:** Power/Electricity

**Nature of Business:** Power Generation

**Operation hours:** 24/7

## Actions Planned & Implemented\_

### Planned

- Reuse of water from the cooling tower
- Installing pressure switch on the supply pump for Jacket Water, Fuel Valve Cooling Water Make-up and centrifuge conditioning water.
- Jacket Water Collection for re-use.
- Replacement of pump packing seal to mechanical seal.
- Use cogged belt instead of V-belt for power transmission from motor to machine (e.g. at piston compressors): V-belt = 92% efficiency; Cogged belt=94% efficiency.

### Implemented

- Insulation of pipes and machines
- Opened upper windows for better ventilation
- Heat recovery for pre-heating bunker fuel and lube oil.
- Optimisation of covering of oil trap to protect from heavy rainfall
- Sold recyclable materials for additional income

## Results\_

### Planned

Reduction of water consumption, annual savings of ~700600 PHP

Reduction of 1839500 liter of diesel consumption, annual savings of ~33110400 PHP

Reduction of 3500 kWh electricity consumption, annual savings of ~22800 PHP

Total annual savings: ~ 33833800 PHP

Total Investments: ~2433000 PHP

Payback: 26 days

## Pictures\_



Demineralizing Plant



Fuel Tanks



This project is funded by  
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A project implemented by  
VSB - TUO, ASSIST, EPA, GrAT, and MACCII