

# Overview

Philippines  
(ENPAP)

- Facility: Telecommunications Company, three facilities
  - three principal business groups – fixed line, wireless and information and communications technology
  - offers the largest and most diversified range of telecommunications services across the Philippines
- Energy audit date: August 6 to 10, and August 20 to September 8, 2007
- Auditors: ENPAP Team

## Approach and Methodology

4 stages of activities:

Conduct of walk-through/preliminary survey



Data gathering, testing and measurements



Presentation of preliminary findings, and



Preparation/presentation of final report

# Energy Saving Opportunities

## Summary (Buildings A & B)

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FACILITY	ENERGY SAVING OPPORTUNITIES	INVESTMENT REQUIRED (PhP)	POTENTIAL SAVINGS (PhP)
Air Conditioning System	Conduct of regular maintenance of FCUs and PACUs; load shifting for AHUs	No estimate	380,146
Electrical System	Implementation of load management	Nil	596,640
Lighting System	Installation of energy efficient lighting system for 1,170 units of 2x36W FL fixtures	982,800	412,762
Energy Management System	Integration of an energy management system into business practice	Nil	694,774

# Energy Saving Opportunities

## Summary (Building C)

FACILITY	ENERGY SAVINGS OPPORTUNITIES	INVESTMENT REQUIRED (PhP)	POTENTIAL SAVINGS (PhP)
Air Conditioning System	Increase of evaporator temperature ( $t_E$ ) by about 5.5 ° C.	Nil	2,634,202
Electrical System	Implementation of load management	Nil	484,800
Lighting System	Installation of energy efficient lighting system for 142 units fixtures	29,820 - 177,500	31,300 - 73,200
Energy Management System	Integration of an energy management system into business practice	Nil	1,695,168