

PANAMA Possible Expansion of Electricity Service by Household

\$ 15,000 cost of new pump versus \$ 6,000 to refurbish

\$ 9,000 savings on each of 108 pumps refurbished versus new = \$ 972,000

\$ 972,000 divided by \$ 500 per household (estimated cost) to install electric service and meter = 1,944 new households for each 108 pumps refurbished

World Bank and Global Energy Observatory Data

% of Population with Electricity and MAN Diesel 18V48/60 Engines

<http://data.worldbank.org/indicator/EG.ELC.ACCS.ZS>



Home About Data Research Learning News Proj

Access to electricity (% of ... Search data e.g. GDP, population, Indonesia

This page in: English Español Français العربية 中文

Access to electricity (% of population)

World Bank, Sustainable Energy for All (SE4ALL) database from World Bank, Global Electrification database.

Overview per country

Country	1990	2012
Panama	81.1	90.9

9.1 % Without Electricity and 108 Pumps Replaced As Needed

(18 pumps per 6 engines replaced every 12 to 14 months if engine runs 24 hours per day 7 days a week)

<http://globalenergyobservatory.org/index.php>

Individual Units for Oil in Panama			
Plant Name	Unit	Diesel Engine / Boiler Manufacturer	Diesel Engine / Boiler Model/Type
Fedregal Pacora Power Plant Panama Design Capacity (MWe): 53.4 Coordinates: 9.1053,-79.2729	1	MAN	3x 18V48/60
Plant Name	Unit	Diesel Engine / Boiler Manufacturer	Diesel Engine / Boiler Model/Type
ACP Miraflores IC Power Plant Panama Design Capacity (MWe): 54 Coordinates: 9.0003,-79.59066	1	MAN B&W	18V48/60
	2	MAN B&W	18V48/60
	3	MAN B&W	18V48/60