

GUATEMALA Possible Expansion of Electricity Service by Household

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

\$ 9,000 savings on each of 126 pumps refurbished versus new = \$ 1,134,000

\$ 1,134,000 divided by \$ 500 per household (estimated cost) to install electric service and meter = 2,268 new households for each 126 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
Guatemala	72.0	78.5

21.5 % Without Electricity and 126 Pumps Replaced As Needed
 (18 pumps per 7 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 Guatemala			
Plant Name	Unit	Diesel Engine / Boiler Manufacturer	Diesel Engine / Boiler Model/Type
Puerto Quetzal (PQP Barge) Oil Power Plant Guatemala Design Capacity (MWe): 110 Coordinates: 13.9211,-90.7856	1	Wartsila	20x 18V32
	2	MAN B&W	7x 18V48/60 engines of 18.9MW each