

2011 NURPA / IURPA Conference September 20, 21, 22 & 23



ltzick Michaeli



Revenue Protection Manager

Israel Electric Corporation





Overview



- Israel Electric Corporation (IEC) Update
- IEC Meters current deployment
- IEC Revenue Protection annual performance
- What is IEC's main problem ?
- What might be the solution to this problem ?





The Israel Electric Corporation Ltd.

- The Israel Electric Corporation (IEC) was established in 1923
- 99.85% owned by the state of Israel
- Generates, transmits and distributes substantially 95% of the electricity in the State of Israel
- The largest infrastructure company in Israel with the one of the largest turnovers in the Israel's economy.

*	2010 Customer Breakdown By Electricity Sales				2009	2010
*				Capacity (MW)	11,664	12,769
	6% 21% 3%		Residential	Peak Demand (MW)	9,900	10,950
		29%	Public & Commercial	Electricity Sales (GWh)	48,947	56,093
			Palestinian Authority	Population (Millions)	7.5	7.6
			Agricultural	Customers (Millions)	2.5	2.5
	8%		Industrial	PV generation - 181 MW		
Gas Turbine 33%		33%	Water Pumping	U U		
L Thermal Po	wer Plant					

IEC's Operating Statistics





Relatively Low Rates of the Comparative Electricity Rates Israeli Market



U.S Cents/KWh (December 31,2007)



Source: Energy Information Administration







300 K Electronic LV Meters installations

TOU meters 100,000

Commercial & Domestic – mandatory over 60k KWH

(40k KWH coming soon)

Pre - Pay Meters ~ 20,000 (Predicted annual installations ~10,000)



12% of 2.5 million





IEC Revenue Protection Average Annual Performance





What is our problem ?





Theft Suspicions – information sources











Here lies our problem

Unsatisfying volume of suspicions of theft reports







Here lies our problem

Some more excuses











Where did the idea come from ?





Parking Inspectors





Field Report System

















E'EIC'

2

CARSEN!

2655

P











Ę





Bypass in a mock drain pipe



Bypass inside the wall

The \$ 85,000 case

-











How does the FRS work?



How does the FRS work?





New report screen







What comes next ?









- Meter readers are the company eyes in the field
- Smart metering is not intended to prevent theft
- All utility employees must report irregularities
- The mobile smart phone is already a multi purpose working tool, that can be used for reporting suspitions of theft
- No More Excuses for non-reporting !





THANKS FOR YOUR

GERRE ECRIC TO THE ACTION OF T

Questions?