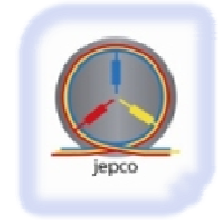


The Jordanian Electric Power Co. (JEPCO)

74 Years of Development



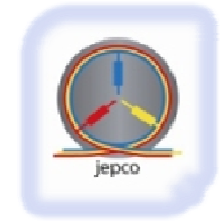
History



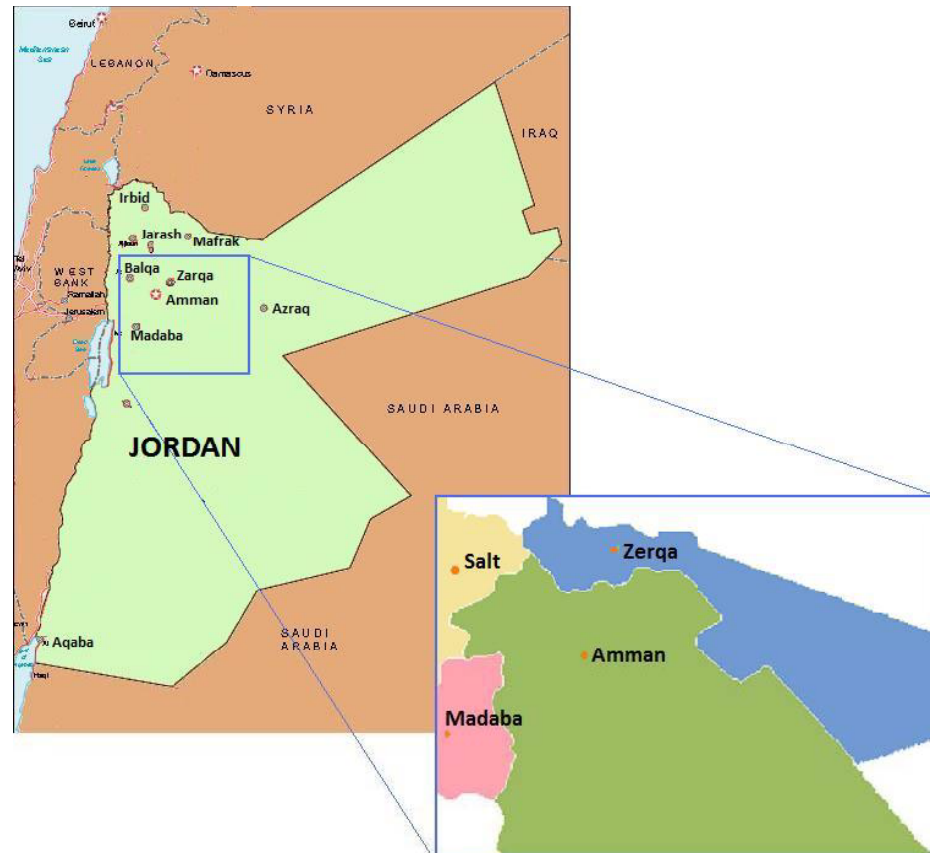
- Established in 1938 by a group of businessmen.
- Converted into a share-holding company in 1947 and received a concession to generate and distribute electricity in Amman and its suburbs



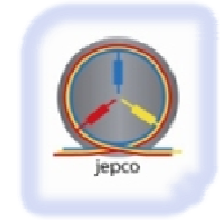
Concession Area



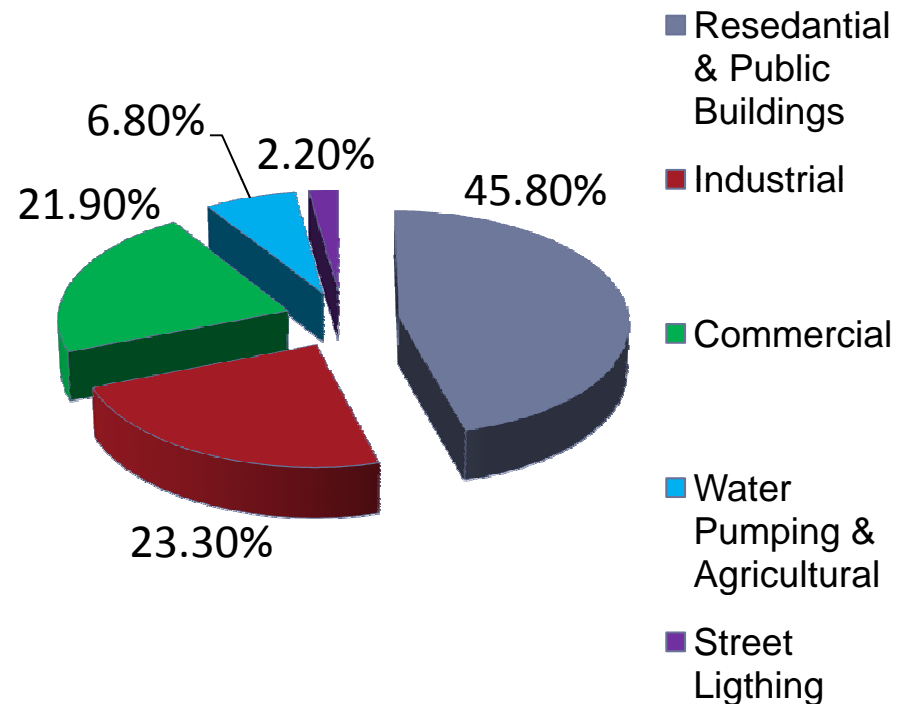
- In 1962 the concession was renewed for fifty years.
- The concession area was extended in the renewed concession to cover four main cities in the central part of Jordan (Amman, Zerqa, Salt & Madaba).
- The service area covers approximately 7000 sq. km



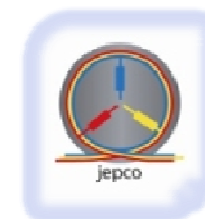
Customer Base



- Today, JEPCO distributes and retails electricity to about 1,050,000 customers; an equivalent to 65% of the electricity customers base in the country.
- It is estimated that JEPCO's service area has a resident population of 3.6 million.



Consumption Base



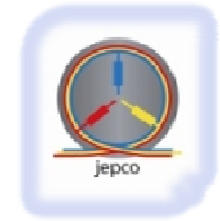
JEPCO'S Allocation Share Compared To The Distribution Sector

Description	Energy/ GWh %	Customers%
Residential	68.4%	64.6%
Commercial	76.0%	70.2%
Industrial	51.8%	67.7%
Water Pumps	25.8%	22.0%
Street lighting	50.0%	59.2%
Total	58.7%	65.1%

Maximum Demand of JEPCo

Year	M.D (MW)	Growth
2003	738.3	6.1%
2004	803.0	8.8%
2005	924.4	15.1%
2006	1112.0	20.3%
2007	1237.7	11.3%
2008	1335.8	7.9%
2009	1399.0	4.7%
2010	1498.10	7.1 %
2011	1634.74	9.1%
2012	1691.82	3.4%

Key Statistics For The Year 2011



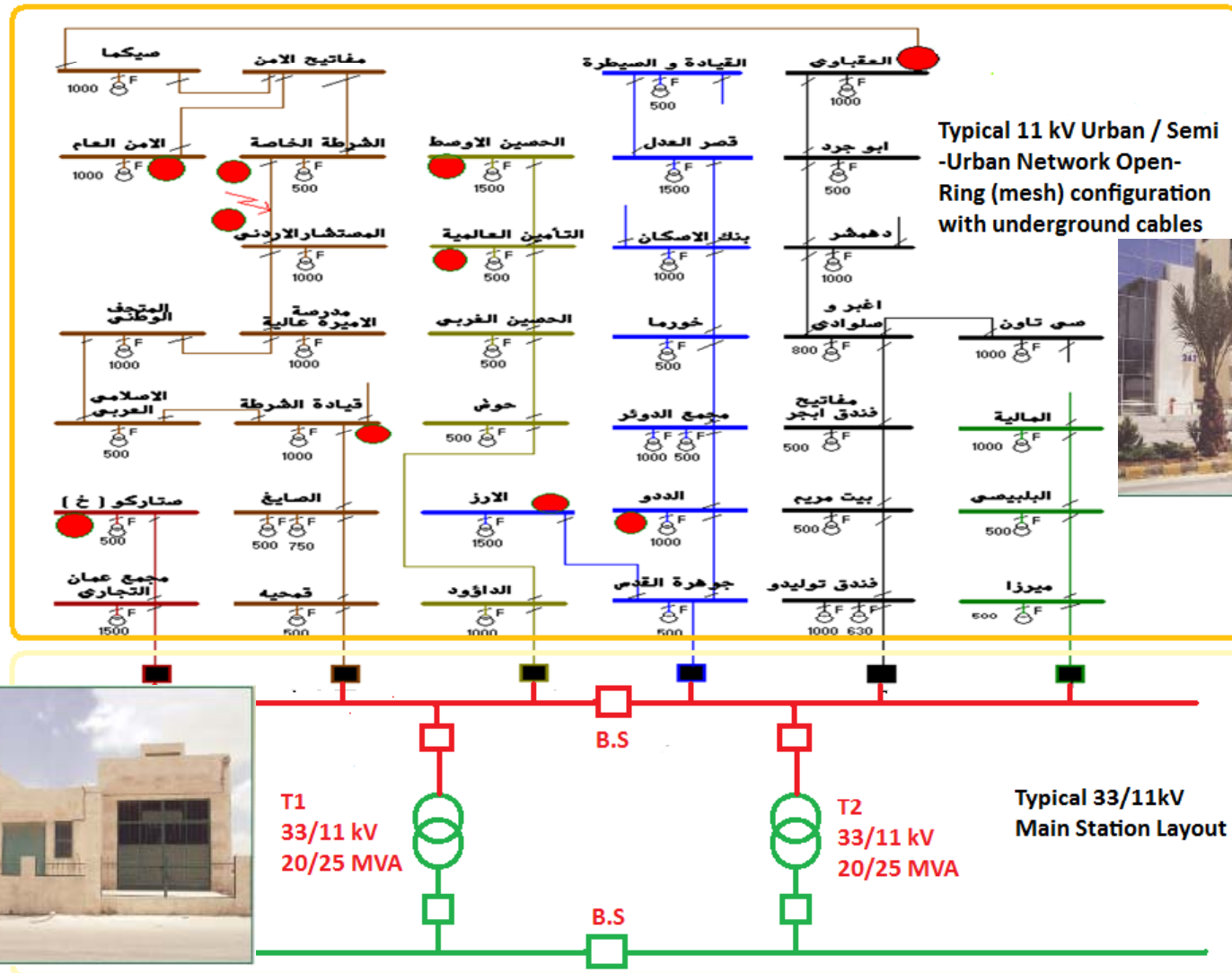
- **Paid-Up Capital: 75.6 MJD**
- **Revenues: 569.5 MJD**
- **Net Profit: 9.4 MJD**
- **Total Fixed Assets: 401 MJD**
(After Depreciation)
- **Electricity lines (M.V): 25,500 Km**
- **No. of Primary S/S (33/11kV): 88**
- **No. of Distribution S/S: 8,475**
- **Energy Sold: 8008 GWh**
- **Employees: 2,676**



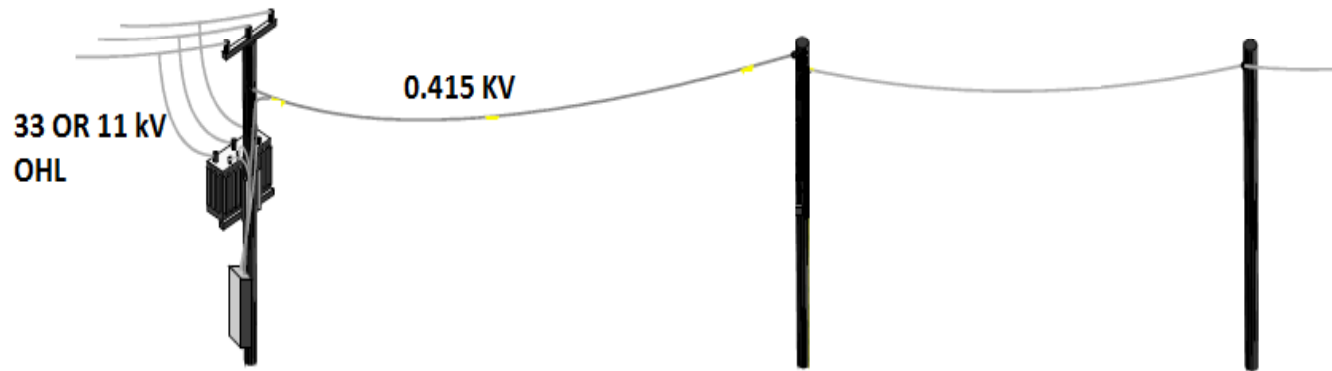
Technologies Used at JEPCo

- 1) SCADA Center:
 - Controlling & Monitoring 33 KV System & 11 KV Feeders at 33/11 KV S/S.
 - Increasing Reliability and Reduce Outages' Durations.

Urban / Semi-Urban Distribution Network



Rural Distribution Network





■ 2) GIS: (Geographical Information System)

- For 33 ,11 KV & 0.4 KV System.
- Useful In Planning ,Studies, Maintenances, And New Costumer Installation.

JEPKO - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://192.6.22.57/jepco/framesetup.asp

شركة الكهرباء الأردنية المساهمة العامة المحدودة
JEPKO

English

الخروج الرئيسية

محطة كهرباء رئيسية

اسم المحطة اليبادر

بحث

عدد النتائج = (2)

المصادر الوطنية

تسمية تحديد

المصادر الرسمية

تسمية تحديد

Labels of Electr
Electric_MainSt
Labels of Electr
Electric_CABLE
Electric_CABLE
Electric_CABLE
Electric_OHL_1
Electric_OHL_3
Streets_GAM
First_Dept_Lands
Unpaid Staud
Ground Cable
Executed Stud
Lands_Mid
Lands_Naur
Lands_North
Lands_Salt
Lands_South
JEPKO_Collect
Lands_East
Lands_Zarqa
Labels of Jorda
JEPKO_Conces
Jordan_Governan
White
Image2
Image1

Update Legend | Cancel
Changes

Last Update : 19/10/2010 1 km

Scale 1 : 50000

Ready Internet



■ 3) Call Center:

Follow Up The Customer Complains In Order to Reduce The Outages Duration , And Facilitate The Communication.

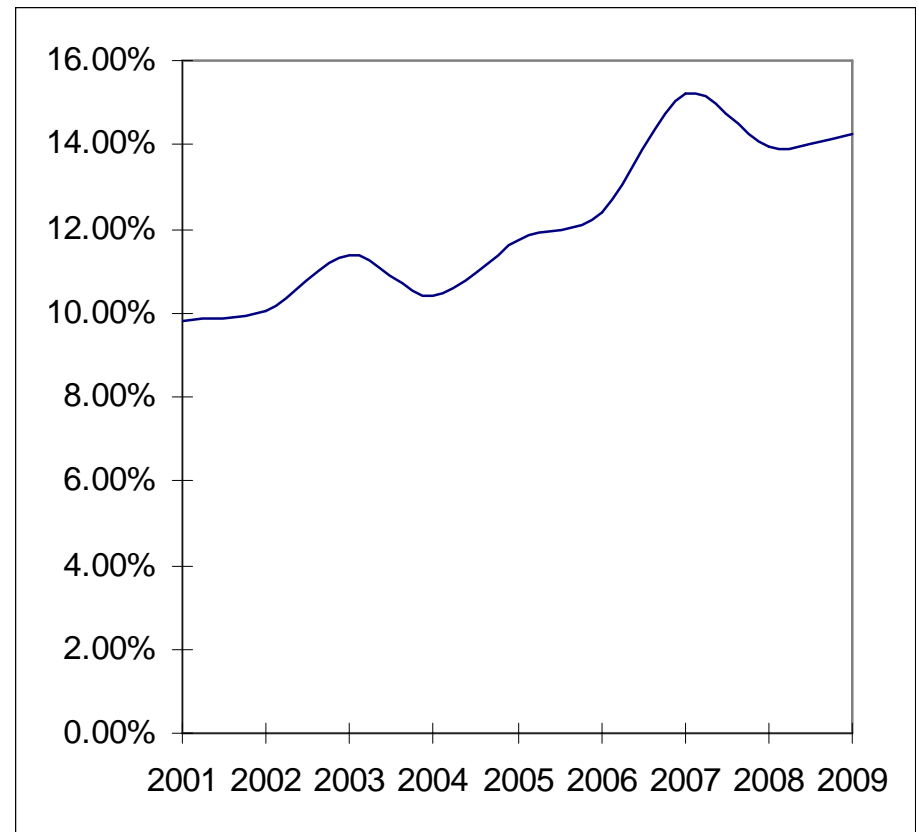
■ 4) Meter Testing Center:

- Testing the new meters before installation on the costumer premises.
- Testing old meters and calibrating.

Energy Losses

Energy Losses (Technical & Non-Technical) went up:

Year	Energy Losses
2003	11.38%
2004	10.41%
2005	11.75%
2006	12.41%
2007	15.21%
2008	13.98%
2009	14.27%
2010	14.00%
2011	13.20%



Improvements in the system.

- Increase the cross-section of MV cables (300-240/to 500 & 400)mm².
- Replacements of old meters, high error percentage).
- Adding low and medium voltage capacitors.
- Replacement of old LV networks to ABC .
- Using digital meters instead of mechanical.
- Increasing the staff in the Meters Inspection's Department.

Energy Efficiency and Load Shedding.

- JEPCo understands the importance of EE procedures
- JEPCo is ready to cooperate with all parties(ERC, Consumers... etc) to promote the EE program
- During the past five years JEPCo has performed a considerable number of Loads Shedding requested by the National Control Center (NCC)
- Loads Shedding have increased the duration of Interruption/customer from (20 to 80) minutes/month/customer in July 2012

SUMMARY OF INTERRUPTION DURATIONS/CUSTOMER DURING SUMMER

Year \ Type of Interruption	Load shedding	Unscheduled
2010	95 min/customer	70 min/customer
2011	10 min/customer	62 min/customer
2012	68 min/customer	50 min/customer

Conclusion

- JEP Co's Customers are affected by complete outages for a considerable periods during the year because of loads shedding.
- EE programs might help to reduce the durations of these outages

Thank you

