

# INTRODUCTION TO THE FRANKFORT PLANT BOARD



Frankfort Plant Board

**FPB – MUNICIPALLY OWNED  
ELECTRIC, WATER AND  
TELECOMMUNICATIONS  
COMPANY**

**220 EMPLOYEES  
ANNUAL REVENUES – 100 MILLION**

## SERVICE OFFERED BY FPB:

- Water
- Cable
- Electric
- Security
- Local Phone
- Digital Cable
- Long Distance
- Community TV
- Ethernet/Internet
- Cable Modem/ISP
- Cable Advertising

# **FPB PROVIDES THESE SERVICES:**

**POPULATION 50,000**

- **Electric - 21,478**
- **Water - 16,173**
- **Cable TV – 13,285**
- **Internet – 13,923**
- **Security – 1,397**
- **Telephone Lines**

# FPB ALL REQUIREMENTS CUSTOMER OF KU-LG&E

2007 PEAK DEMAND – 166 MW

2016 SUMMER PEAK – 140 MW

2016 WINTER PEAK – 128 MW

SEPA ALLOCATION - 15.621 MW

## FPB ELECTRIC DEPARTMENT

- **38 electric operations/engineering employees**
- **60 square mile service territory**
- **Circuit statistics:**
  - **33 miles of 69 kV transmission**
  - **455 miles of distribution**
    - 350 miles OVH**
    - 105 miles of URD**
- **12 Distribution substations with 54 Distribution circuits**
- **1 Receiving/switching transmission substation with 5 transmission circuits**
- **Load forecast projects a 0.5 % growth rate in energy usage thru 2022.**

## Department Finances:

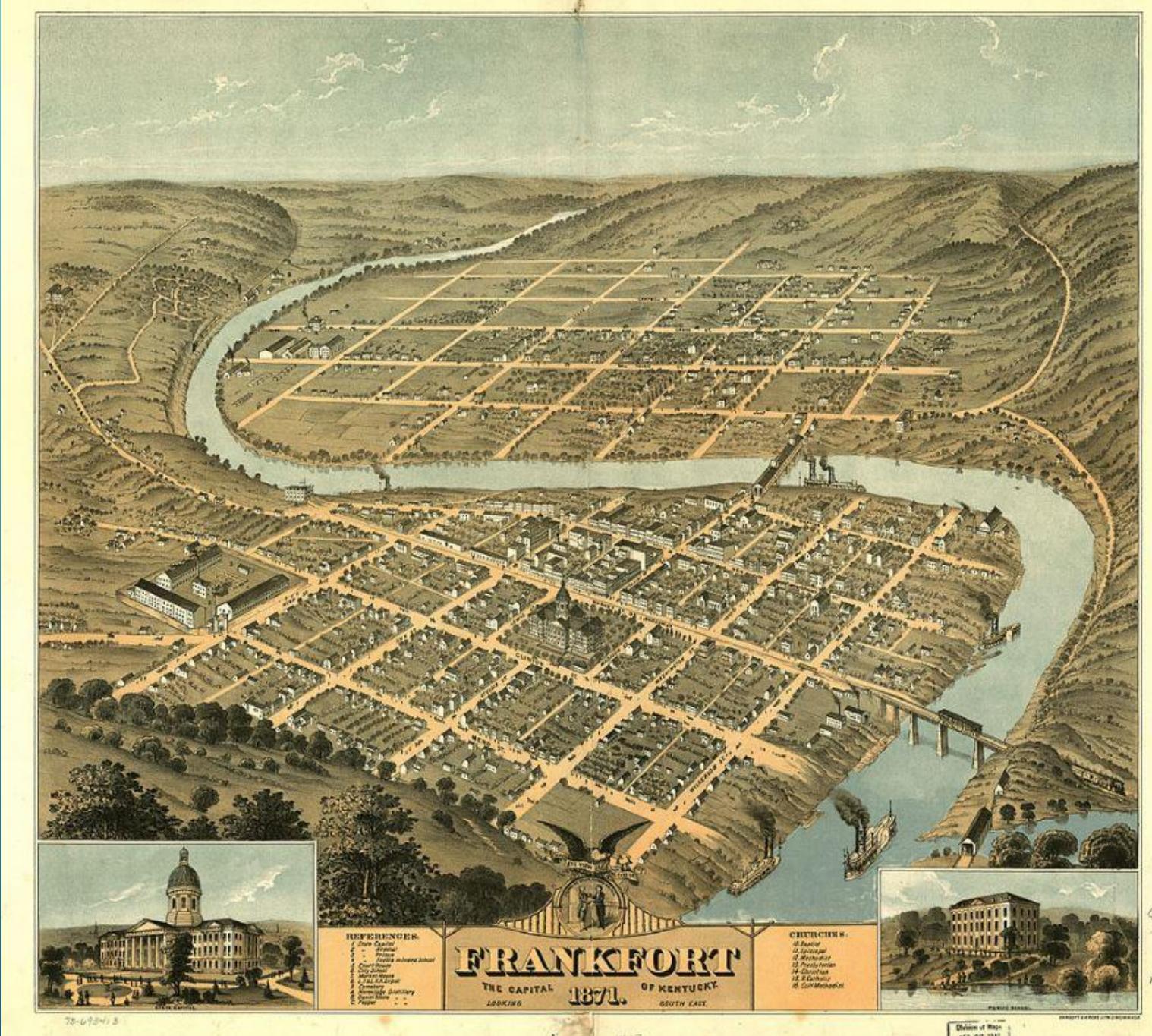
- **Approximately \$60 million projected revenue 2016-17**
- **“All-in” residential rates are currently 10% cheaper than KU.**

**April 2014 – FPB and seven other Ky. Municipals gave KU a 5 year Termination notice.**

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# A SMALL GLIMPSE OF OUR COMMUNITY





# Kentucky State Capitol Building Built 1905-1909





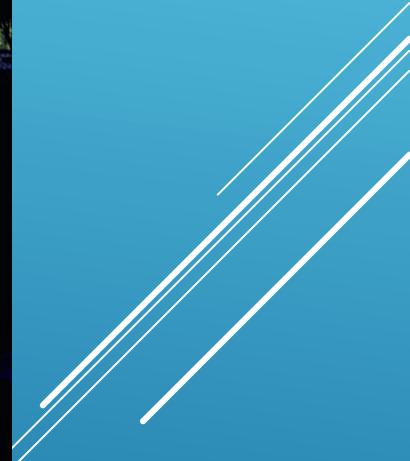




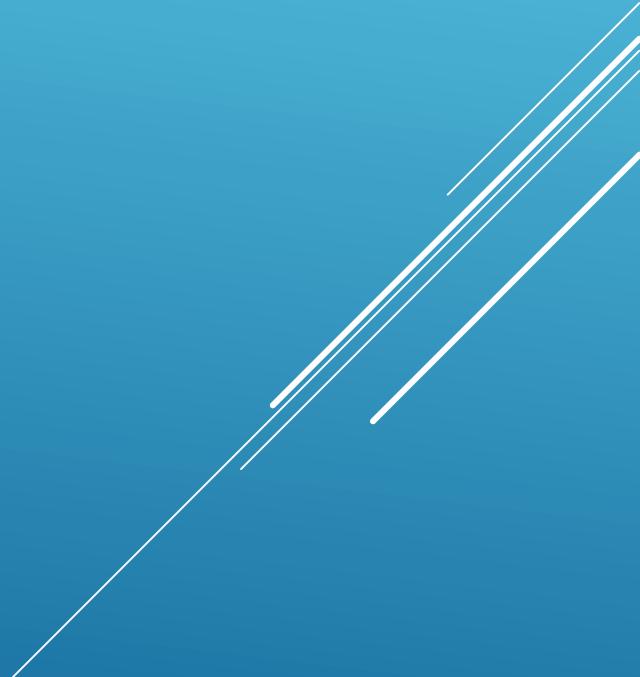
THE OLD STATE CAPITOL, ALSO KNOWN AS OLD STATEHOUSE, WAS THE THIRD CAPITOL OF KENTUCKY. THE BUILDING IN FRANKFORT, KENTUCKY SERVED AS THE CAPITOL OF THE COMMONWEALTH OF KENTUCKY FROM 1830 TO 1910. THE BUILDING HAS BEEN RESTORED TO ITS AMERICAN CIVIL WAR ERA APPEARANCE.



**THE OLD GOVERNOR'S MANSION, ALSO KNOWN AS LIEUTENANT GOVERNOR'S MANSION. IT IS REPUTED TO BE THE OLDEST OFFICIAL EXECUTIVE RESIDENCE OFFICIALLY STILL IN USE IN THE UNITED STATES, AS THE MANSION IS THE OFFICIAL RESIDENCE OF THE LIEUTENANT GOVERNOR OF KENTUCKY**



# SOME OF OUR CUSTOMERS









WOODFORD RESERVE

WHISKEY

FLAVOR

DISTILLERY



# OLD TAYLOR DISTILLERY

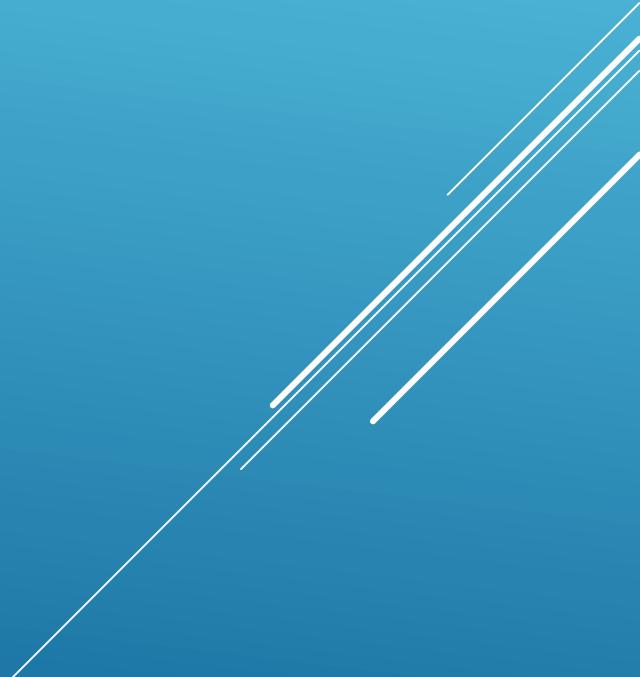
FRANKFORT, KY

THE SOUTH < THE USA <  
THE WORLD

#ALCOHOL #FACTORY  
#INDUSTRIAL



CASTLES TOO RARELY RISE FROM AMERICAN DIRT...





A FEW OF OUR FACILITIES





2 MG ELEVATED WATER STORAGE. 1<sup>ST</sup> IN KENTUCKY AND 2<sup>ND</sup> (BOYNTON BEACH FL.) IN THE US. ERECTED IN 1999 AND THE LARGEST AT THAT TIME.



KU SUBSTATION – 138 KV

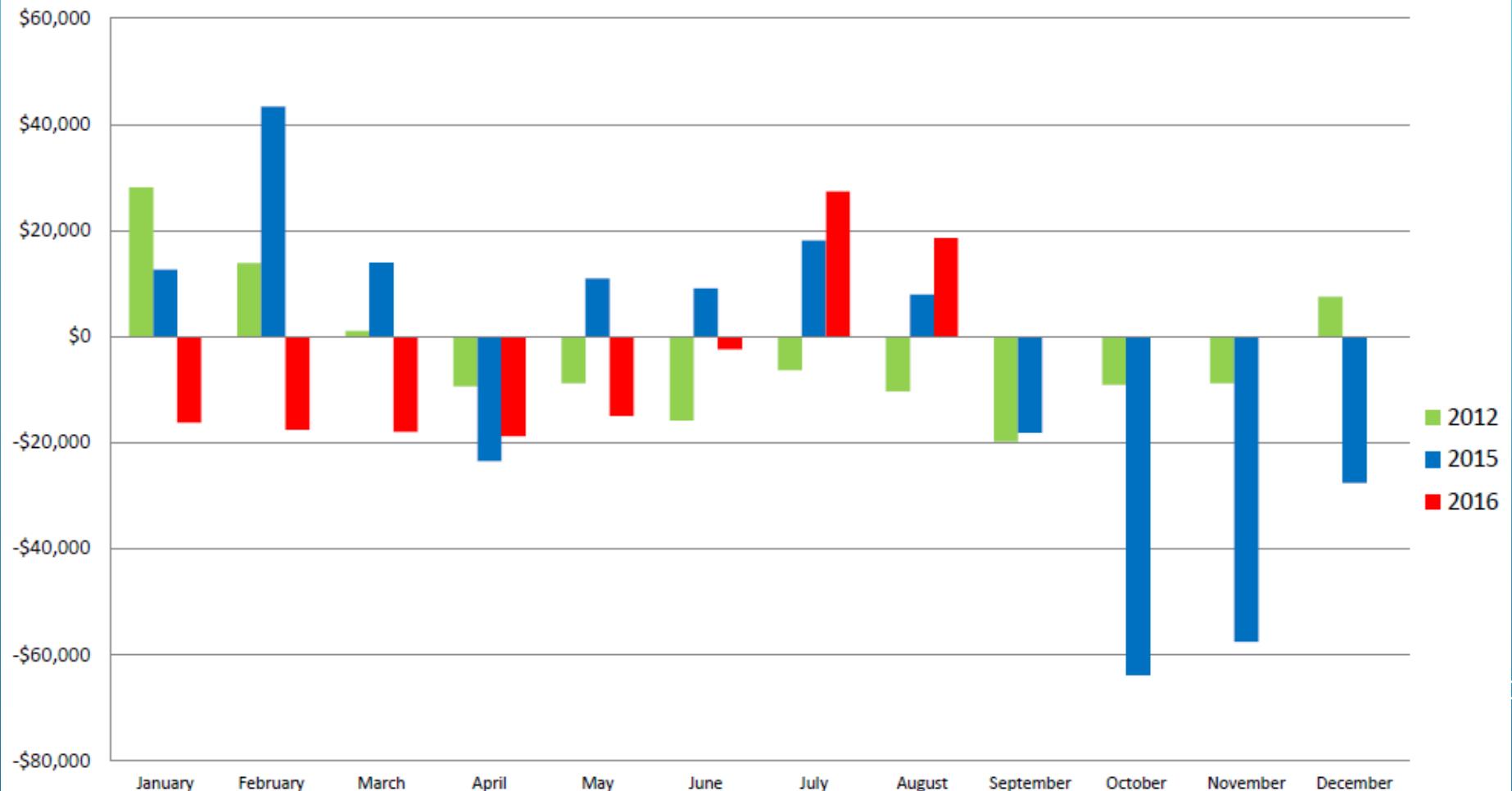


**MYRICK SUB-STATION DISTRIBUTING TO 11  
DISTRIBUTION SUB-STATIONS**

**20-year Summary of SEPA Credits, Costs, and Net Benefit**  
**Frankfort Electric and Water Plant Board**

Year	Credit or Payments	Total SEPA Bill	Net Benefit
2016	\$666,940	\$624,680	\$42,260 Through August 2016
2015	\$818,096	\$893,086	\$ (74,990)
2014	\$1,437,233	\$944,125	\$493,108
2013	\$1,460,172	\$1,084,598	\$375,574
2012	\$753,234	\$788,327	(\$35,093)
2011	\$1,485,130	\$904,901	\$580,229
2010	\$1,074,244	\$716,835	\$357,410
2009	\$2,159,776	\$882,872	\$1,276,904
2008	\$1,113,941	\$570,745	\$543,196
2007	\$770,041	\$440,293	\$329,748
2006	\$1,910,921	\$675,061	\$1,235,859
2005	\$1,234,371	\$675,061	\$559,310
2004	\$987,668	\$675,061	\$312,606
2003	\$957,271	\$627,033	\$330,238
2002	\$1,045,288	\$567,400	\$477,888
2001	\$1,664,668	\$584,058	\$1,080,609
2000	\$1,664,667	\$584,058	\$1,080,610
1999	\$1,548,869	\$562,389	\$986,480
1998	\$777,223	\$547,205	\$230,018
1997	\$643,267	\$530,224	\$113,042
<b>20-YR Total</b>		<b>\$24,173,020</b>	<b>\$13,878,014</b>
			<b>\$10,295,006</b>

## SEPA ENERGY Profit/Loss 2012-2016



2012 SEPA Profit/(Loss) (\$35,093)

2015 SEPA Profit/(Loss) (\$74,990)

2016 SEPA Profit/(Loss) (\$42,260)

**SEPA Power Purchases and Credits**  
**Frankfort Electric and Water Plant Board**  
**Calendar Year 2016**

Month	SEPA Capacity	Capacity Charges	SEPA Energy	Energy Charges	Transmission Charges	Total Bill	Amount Due from Market	OMU / MISO Fees	Net Payment from OMU	FEWPB Profit / (Loss)
January	13,605	\$25,877	2,584,950	\$31,924	\$26,778	\$84,579	\$69,899	(\$1,578)	\$68,321	(\$16,258)
February	13,605	\$25,877	2,584,950	\$31,924	\$26,778	\$84,579	\$68,397	(\$1,408)	\$66,989	(\$17,590)
March	13,605	\$25,877	2,557,740	\$31,588	\$26,778	\$84,243	\$67,917	(\$1,714)	\$66,203	(\$18,040)
April	13,605	\$25,958	2,040,750	\$25,448	\$26,778	\$78,184	\$60,478	(\$1,127)	\$59,351	(\$18,833)
May	13,605	\$25,958	2,462,505	\$30,707	\$26,778	\$83,444	\$69,868	(\$1,412)	\$68,456	(\$14,988)
June	13,605	\$25,958	2,471,071	\$30,814	\$26,778	\$83,550	\$83,118	(\$2,003)	\$81,115	(\$2,435)
July	13,605	\$25,958	2,584,950	\$32,234	\$26,778	\$84,970	\$115,955	(\$3,618)	\$112,337	\$27,367
August	13,605	\$25,958	2,584,950	\$32,234	\$25,199	\$83,391	\$105,335	(\$3,427)	\$101,908	\$18,517
September									\$0	\$0
October									\$0	\$0
November									\$0	\$0
December									\$0	\$0
<b>TOTALS</b>		<b>\$207,421</b>	<b>19,871,866</b>	<b>\$246,873</b>	<b>\$212,645</b>	<b>\$666,940</b>	<b>\$640,967</b>	<b>(\$16,287)</b>	<b>\$624,680</b>	<b>(\$42,260)</b>

Notes: Avg. Market Price Received for SEPA Energy

July 2015 - \$35.95 MWh

July 2016 - \$42.32 MWh

Capacity Rate: 1.908

Energy Rate: 0.01247

Avg. Energy Cost: 0.032 / KWH