2017 KY Distributed Renewable Interconnection Summary

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DRAFT
Data Request

• Data was requested voluntarily from Kentucky’s regulated utilities and TVA in January of 2018 for the previous calendar year.
• Data request included net metering and QF or other non net-metered renewable systems.
• Combined heat and power systems are not represented in the data with the exception of a biomass system on TVA’s system.
• Municipal utilities data and off-grid systems are not included in the data request.
• Data summary represents data submitted as of January 25, 2018
Summary

• Kentucky has ~22 MW of distributed renewable resources interconnected
• 35% is interconnected via net-metering
• 65% is interconnected via a non net-metering arrangement
• 95% of the distributed renewable is solar; however, wind, hydro, and biomass are represented.
• Distributed renewables are geographically dispersed across the state (next slide).
Distributed Renewable Resources Growth

Installed Capacity
( Distributed Renewable Interconections)
The 2016 growth rate is what occurred from 2014 or the growth in a two year time period.
Distributed Renewable Resources Growth

Interconnections
(Distributed Renewables)

# of Interconnections

TVA  Big Rivers  EKPC  LGEKU  Duke  KP

2014  2016  2017
Distributed Renewable Resources Growth

The 2016 growth rate is what occurred from 2014 or the growth in a two year time period.
Net Energy Metering
Net-Metering

Total Installed kW

- Big Rivers: 723 kW
- Duke: 1,227 kW
- EKPC: 2,357 kW
- KP: 166 kW
- LGEKU: 3,373 kW
Net-Metering

Number of Interconnections

- Big Rivers: 100
- Duke: 66
- EKPC: 68
- KP: 297
- LGEKU: 17
Non Net-Metering
Non Net-Metered Interconnections

EKPC, Big Rivers, and Kentucky Power reported no qualifying facility interconnections for 2017.
Non Net-Metered Interconnections

Number of Interconnections

- Big Rivers: 335
- Duke: 1
- EKPC: 9
- KP: 1
- LGKEU: 1
- TVA: 1
Non Net-Metered Interconnections

Installed Capacity

13,374

999

22

Biomass  Solar  Wind
Non Net-Metering