EXECUTIVE VISIT ON DEVELOPING AN ANCILLARY SERVICE MARKET

February 23 to 02 March 2013

USA

NamPower

Powering the Nation and beyond

Presentation Outline

- Introduction
- Overview of NamPower own Generation
- Transmission
- Projects
- Energy Trading
- Conclusion

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Technical Perspective

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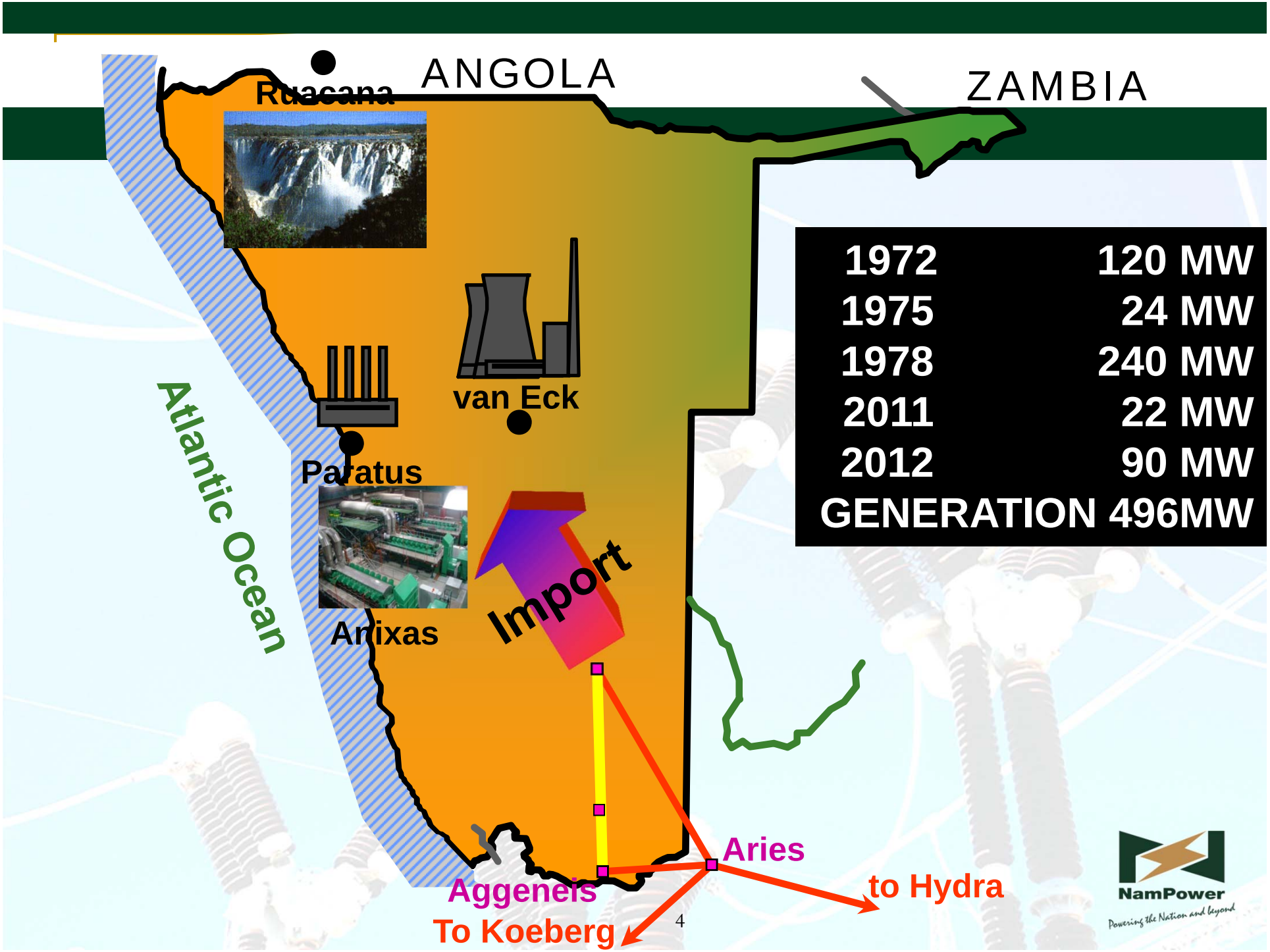
ANGOLA
ZAMBIA
Ruacana
van Eck
Paratus
Arixas
Atlantic Ocean
Import
Aries
to Hydra
Aggeneis
To Koeberg
1972 120 MW
1975 24 MW
1978 240 MW
2011 22 MW
2012 90 MW
GENERATION 496MW
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OVERVIEW OF NAMPOWER OWN GENERATION

Installed Capacity

- Ruacana 3×80
  1×90 = 330MW
- Van Eck 4×30 = 120MW
- Paratus 4×6 = 24MW
- Anixas 3×7.2 = 22MW

Available Capacity

- Ruacana 3×80
  1×90 = 330MW
- Van Eck 4×25 = 100MW
- Paratus 4×4.2 = 17MW
- Anixas 3×7.2 = 22MW

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NamPower's Transmission Grid

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Namibian Network

PROJECTS

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PROJECTS

Project	MW to Namibia	Source	Earliest Implementation
Arandis PPA	Approximately 80 MW	Diesel	Early 2014
GreeNam	30 MW	Wind	Late 2014
Kudu Gas Power Station (CCGT)	600 MW	Base Load	2017/ 18

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ENERGY TRADING

kudu
power project

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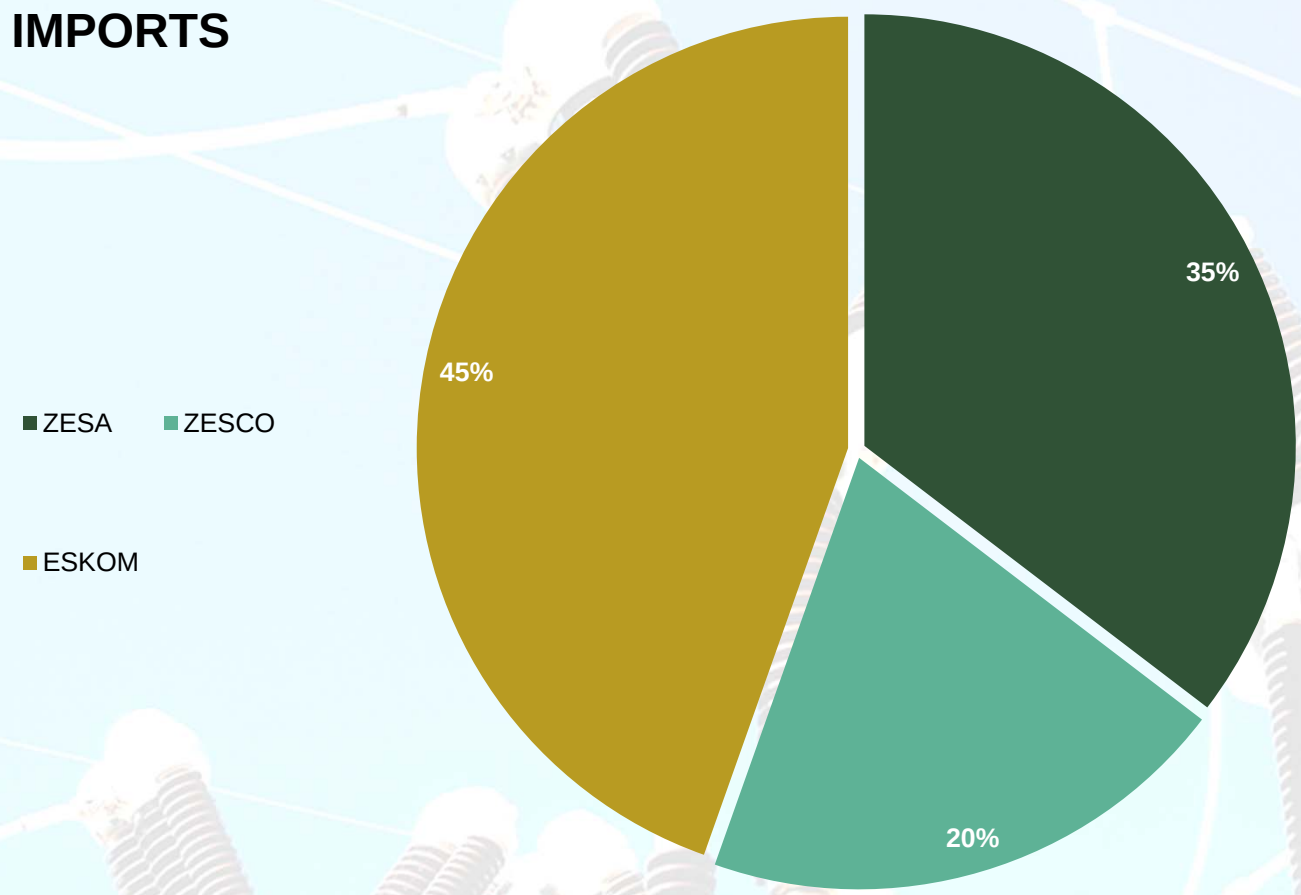
Total Imports for the period of (June 2011 to July 2012)



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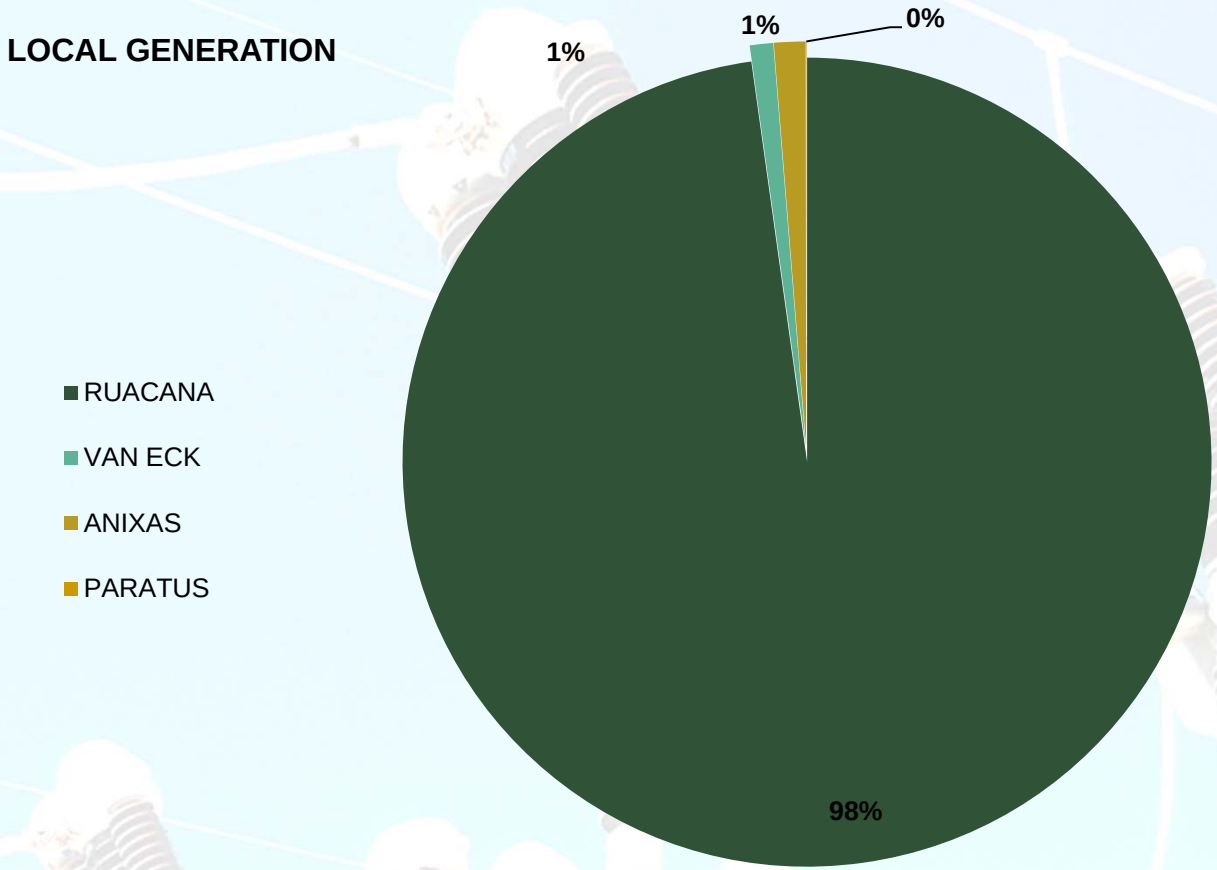
Total Local Generation for the period of (June 2011 to July 2012)



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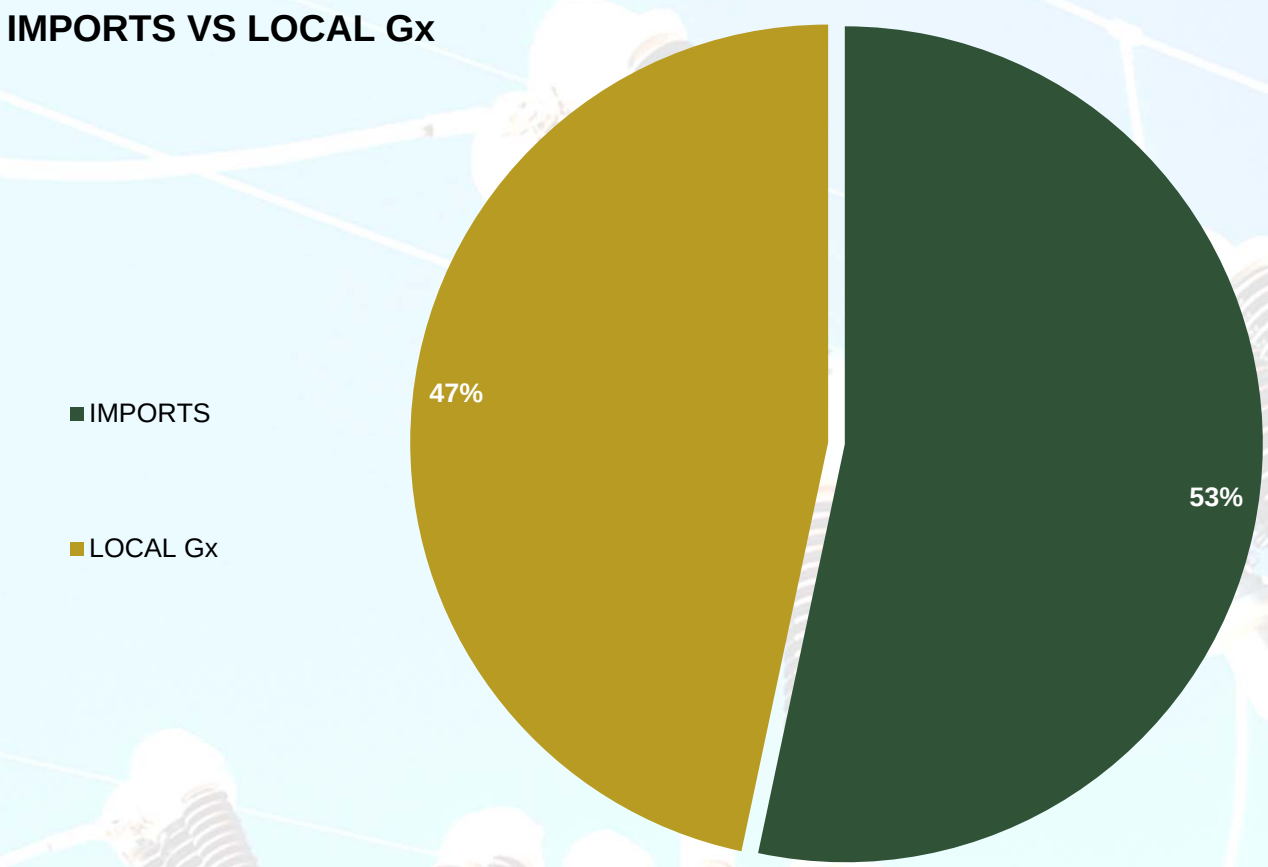
Imports vs Local Generation for the period of (June 2011 to July 2012)



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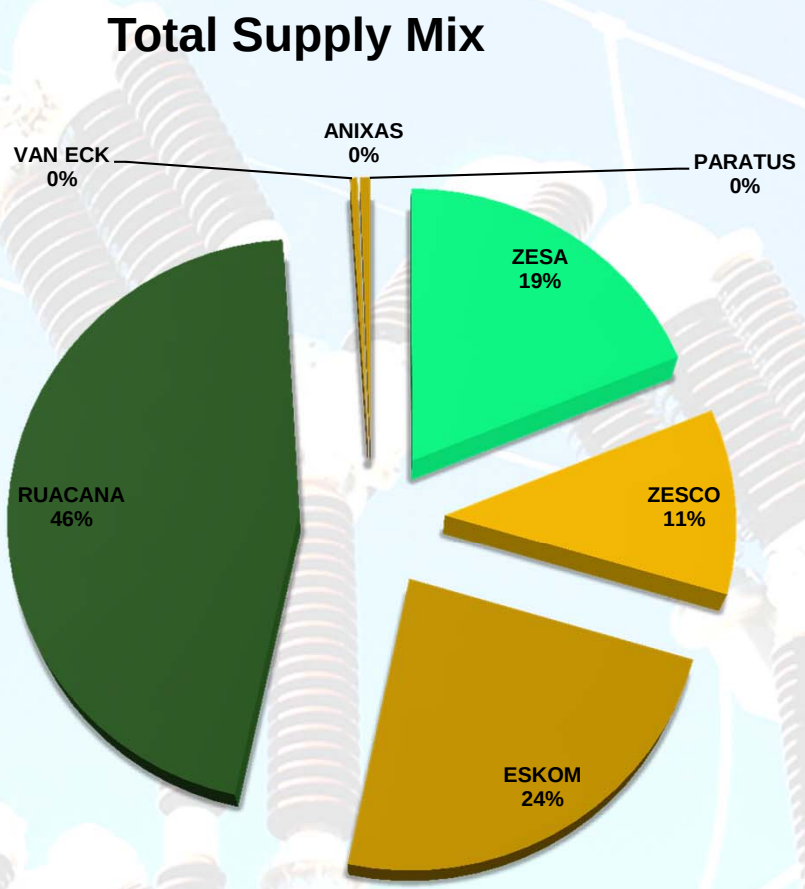
Total Supply Mix



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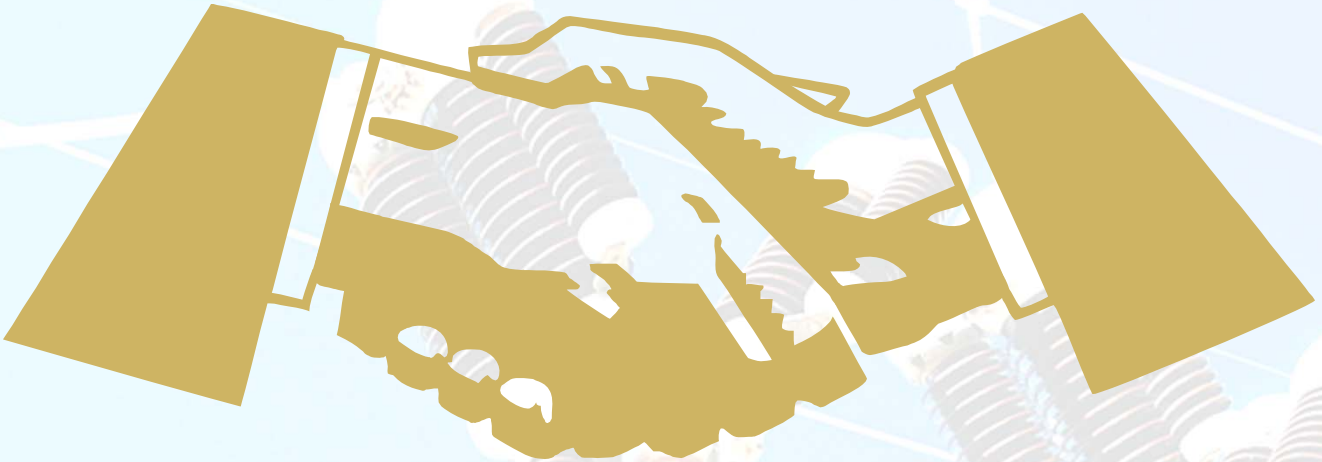

Thank you for your attention

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