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PART 1: EXECUTIVE SUMMARY

PART 2: KEY GLOBAL TRENDS

- Growth in electricity sales
- Growth in network
- Trends in operational and financial performance
- Trends in capital expenditure
- Key initiatives and focus areas
- Trends in future consumption/sales

PART 3: INTER-DSO COMPARISON: NETWORK SIZE AND SALES

- Growth in the distribution network, 2014-19
 - Line length
 - Number of substations
- Growth in electricity sales, 2014-19
- Growth in the customer base, 2014-19

PART 4: INTER-DSO COMPARISON: OPERATIONAL AND FINANCIAL PERFORMANCE

- Operational performance
 - Distribution losses
 - SAIFI
 - SAIDI
- Financial performance
 - Revenue from electricity sales
 - Net profit

PART 5: INTER-DSO COMPARISON: PAST AND FUTURE CAPEX

- Trend in capital expenditure, 2014-19
- Expected trends in capex/investment

PART 6: DSO AND COUNTRY PROFILES (~250 DSOs and ~75 COUNTRIES) (indicative list)

Each DSO profile will have information and data on:

- Size and growth in the distribution network (2014-19)
- Growth in electricity sales and customer base (2014-19)
- Trends in operational performance (2014-19)
 - Distribution losses
 - SAIFI/SAIDI indices
- Trends in financial performance (2014-19)
 - Revenue from electricity distribution
 - Net profit/net income from electricity distribution
 - Capex/Investment in the distribution network
- Forecast and projections
 - Network plans and targets
 - Expected capex/investment trends
 - Major focus areas

Each country profile will have information and data on:

- Past growth in generation and consumption
- Institutional and regulatory structure, and key players
- Expected growth in consumption

6.1 North America

6.1.1 Canada

- BC Hydro
- ENMAX Power Corporation
- FortisAlberta

- Hydro One
- Hydro-Québec
- Manitoba Hydro
- NB Power Corporation
- Nova Scotia Power Incorporated
- SaskPower

6.1.2 USA

- Alabama Power
- Arizona Public Service
- City of San Antonio
- Commonwealth Edison
- Consolidated Edison Company of New York
- Consumers Energy
- Dominion Energy South Carolina
- DTE Electric Company
- Duke Energy Carolinas
- Duke Energy Florida
- Duke Energy Indiana
- Duke Energy Progress
- Entergy Arkansas
- Entergy Louisiana
- Entergy Texas
- Florida Power & Light
- Georgia Power
- Kentucky Utilities
- Los Angeles Department of Water & Power
- MidAmerican Energy
- Nevada Power
- Northern Indiana Public Service
- Oklahoma Gas & Electric
- Pacific Gas & Electric
- PacifiCorp
- Portland General Electric
- Public Service Company of Colorado
- Public Service Company of Oklahoma
- Public Service Electric & Gas
- Puget Sound Energy
- San Diego Gas & Electric
- Southern California Edison
- Tampa Electric
- Union Electric
- Virginia Electric & Power
- Wisconsin Electric Power

6.2 Latin America

6.2.1 Argentina

- Empresa Distribuidora y Comercializadora Norte S.A. (EDENOR)
- Electricidad Distribuidora Sur (EDESUR)
- Empresa Provincial de Energía de Santa Fé (EPE SF)
- Empresa Provincial de Energía de Córdoba (EPEC)

6.2.2 Bolivia

- CRE (A.Integrada)

6.2.3 Brazil

- Cemig Distribuição SA (CEMIG-D)
- Companhia de Eletricidade do Estado da Bahia (COELBA)
- Companhia Energética de Pernambuco (CELPE)
- Companhia Energetica do Ceara (ENEL CE)
- Companhia Paulista de Força E Luz (CPFL-PAULISTA)

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- Copel Distribuicao SA (COPEL-DIS)
- Eletropaulo Metropolitana Eletricidade de São Paulo SA (ELETROPAULO)
- Light Serviços de Eletricidade SA (LIGHT)
- 6.2.4 Chile**
 - CGE Distribución S.A.(CGED)
 - Chilquinta Energía S.A. (CHILQUINTA)
 - Enel Distribución Chile S.A.
- 6.2.5 Colombia**
 - CODENSA S.A.
 - Electrificadora Del Caribe S.A. E.S.P (Electricaribe)
 - Empresas Públicas De Medellín E.S.P (EPM)
- 6.2.6 Costa Rica**
 - Compañía Nacional de Fuerza y Luz (CNFL)
 - Instituto Costarricense de Electricidad (ICE)
- 6.2.7 Dominican Republic**
 - Empresa Distribuidora de Electricidad del Este. S.A. (EdeEste)
 - EdeNorte Dominicana, S.A. (EdeNorte)
 - EdeSur Dominicana, S.A. (EdeSur)
- 6.2.8 Ecuador**
 - CNEL-Guayaquil
 - E.E. Quito
- 6.2.9 Guatemala**
 - Empresa Eléctrica de Guatemala, Sociedad Anónima (EEGSA)
- 6.2.10 Honduras**
 - Empresa Nacional de Energía Eléctrica (ENEE)
- 6.2.11 Mexico**
 - Comision Federal de Electricidad (CFE)
- 6.2.12 Panama**
 - Empresa de Distribución Eléctrica Metro Oeste, S.A. (EDEMET)
 - Elektra Noreste, S.A. (ENSA)
- 6.2.13 Peru**
 - Enel Distribución Perú
 - Luz del Sur
- 6.2.14 Uruguay**
 - La Administración Nacional de Usinasy Trasmisiones Eléctricas (UTE)
- 6.3 Asia Pacific**
 - 6.3.1 Australia**
 - Ausgrid
 - AusNet (D)
 - Endeavour Energy
 - Energex
 - Ergon Energy
 - Essential Energy
 - Powercor Australia
 - SA Power Networks
 - United Energy
 - Western Power
 - 6.3.2 Bangladesh**
 - Bangladesh Power Distribution Board (BPDB)
 - 6.3.3 Cambodia**
 - Electricité du Cambodge (EDC)
 - 6.3.4 China**
 - China Southern Power Grid Company (CSG)
 - State Grid Corporation of China (SGCC)
 - 6.3.5 India**
 - Assam Power Distribution Company Limited (APDCL)
 - Eastern Power Distribution Company of Andhra Pradesh Limited (APEPDCL)
 - Andhra Pradesh Southern Power Distribution Company Limited (APSPDCL)
 - Bangalore Electricity Supply Company Limited (BESCOM)
 - Chhattisgarh State Power Distribution Company Limited (CSPDCL)
 - Kerala State Electricity Board Limited (KSEBL)
 - Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Limited (MP Paschim)
 - Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Limited (MP Poorv)
 - Maharashtra State Electricity Distribution Company Limited (MSEDCL)
 - Madhyanchal Vidyut Vitaran Nigam Limited (MVVNL)
 - North Bihar Power Distribution Company Limited (NBPDCCL)
 - Paschim Gujarat Vij Company Limited (PGVCL)
 - Punjab State Power Corporation Limited (PSPCL)
 - Purvanchal Vidyut Vitaran Nigam Limited (PuVVNL)
 - Pashchimanchal Vidyut Vitran Nigam Limited (PVVNL)
 - South Bihar Power Distribution Company Limited (SBPDCL)
 - Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)
 - Telangana State Northern Power Distribution Company Limited (TSNPDCL)
 - Telangana State Southern Power Distribution Company Limited (TSSPDCL)
 - West Bengal State Electricity Distribution Company Limited (WBSEDCL)
 - 6.3.6 Indonesia**
 - PT PLN (Persero)
 - 6.3.7 Japan**
 - Chubu Electric Power Company (Chubu EPCo)
 - Chugoku Electric Power Company (Chugoku EPCo)
 - Hokkaido Electric Power Company (Hokkaido EPCo)
 - Hokuriku Electric Power Company (Hokuriku EPCo)
 - Kansai Electric Power Company (Kansai EPCo)
 - Kyushu Electric Power Company (Kyushu EPCo)
 - Shikoku Electric Power Company (Shikoku EPCo)
 - Tohoku Electric Power Company (Tohoku EPCo)
 - Tokyo Electric Power Company (Tokyo EPCo)
 - 6.3.8 Malaysia**
 - Sabah Electricity Sdn. Bhd. (SESB)
 - Sarawak Energy Berhad (SEB)
 - Tenaga Nasional Berhad (TNB)
 - 6.3.9 Myanmar**
 - Electric Supply Enterprise (ESE)
 - Yangon City Electricity Supply (YESC)
 - 6.3.10 Nepal**
 - Neal Electricity Authority (NEA)
 - 6.3.11 New Zealand**
 - Powerco
 - Vector Limited

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6.3.12 Pakistan

- Faisalabad Electric Supply Company (FESCO)
- Gujranwala Electric Power Company (GEPCO)
- Lahore Electric Supply Company (LESCO)
- Multan Electric Power Company (MEPCO)
- Peshawar Electric Supply Company (PESCO)

6.3.13 Philippines

- Davao Light and Power Company (DLPC)
- Manila Electric Company (MERALCO)
- Visayan Electric Company, Inc. (VECO)

6.3.14 Singapore

- SP Power

6.3.15 South Korea

- KEPCO

6.3.16 Sri Lanka

- Ceylon Electricity Board (CEB)

6.3.17 Thailand

- Metropolitan Electricity Authority (MEA)
- Provincial Electricity Authority (PEA)

6.3.18 Vietnam

- Central Power Corporation (EVNCPC)
- Hanoi City Power Corporation (EVNHANOI)
- Ho Chi Minh City Power Corporation (EVNHCMC)
- Northern Power Corporation (EVNNPC)
- Southern Power Corporation (EVNSPC)

6.4 Europe

6.4.1 Austria

- Energiesetze Steiermark GmbH
- EVN AG
- Wien Energie

6.4.2 Belgium

- ORES
- RESA
- Sibelga

6.4.3 Croatia

- HEP Operator Distribucijskog Sustava (HEP-ODS)

6.4.4 Czech Republic

- CEZ Distribuce
- PRE Distribuce

6.4.5 Denmark

- Cerius

6.4.6 Estonia

- Elektrilevi

6.4.7 Finland

- Caruna Networks Oy
- Elenia Oy
- Helen Electricity Network

6.4.8 France

- Enedis

6.4.9 Germany

- E.ON
- Entega AG
- EWE Netz (EWE AG)
- Innogy (RWE)
- Netze BW (EnBW)
- Rheinische NETZGesellschaft mbH
- Stadtwerke München (SWM)
- Stromnetz Berlin GmbH (Vattenfall)
- Westnetz

6.4.10 Greece

- Hellenic Electricity Distribution Network Operator (HENDO)

6.4.11 Ireland

- ESB Networks

6.4.12 Italy

- Enel

6.4.13 Latvia

- Sadalestikls

6.4.14 Lithuania

- Energijos Skirstymo Operatorius (ESO)

6.4.15 Netherlands

- Alliander
- Enexis
- Stedin

6.4.16 Norway

- Agder Energi Nett AS
- BKK Nett AS
- Eidsiva Nett AS
- Hafslund Nett AS
- Skagerak Nett AS

6.4.17 Poland

- ENEA Operator Sp. Z.o.o
- ENERGA-Operator S.A
- innogy Steon Operator Sp. Z.o.o.
- PGE Dystrybucja S.A
- TAURON Dystrybucja S.A

6.4.18 Portugal

- EDP

6.4.19 Romania

- Electrica SA
- ENEL

6.4.20 Russia

- PJSC Rosseti

6.4.21 Spain

- Electra de Llobregat Energía, S.L
- ENDESA

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- Iberdrola Distribución Eléctrica, SAU
- Unión Fenosa Distribución

6.4.22 Sweden

- E.ON
- Ellevio
- Vattenfall

6.4.23 Turkey

- Akdeniz Electricity Distribution
- Ayedas Electricity Distribution
- Basskent Electricity Distribution
- Bogazici Electricity Distribution
- GDZ Electricity Distribution
- Meram Electricity Distribution
- Toroslar Electricity Distribution
- Uludag Electricity Distribution
- Yesilirmak Electricity Distribution

6.4.24 United Kingdom

- Eastern Power Networks
- Electricity North West
- London Power Networks
- Northern Powergrid (Northeast)
- Northern Powergrid (Yorkshire)
- SP Distribution
- SP Manweb
- South Eastern Power Networks
- Southern Electric Power Distribution
- Scottish Hydro Electric Power Distribution
- Western Power Distribution (South Wales)
- Western Power Distribution (South West)
- Western Power Distribution (East Midlands)
- Western Power Distribution (West Midlands)

6.4.25 Ukraine

- DTEK Networks

6.5 Middle East

6.5.1 Bahrain

- Electricity and Water Authority (EWA)

6.5.2 Kuwait

- Ministry of Electricity and Water (MEW)

6.5.3 Oman

- Majan Electricity Company
- Muscat Electricity Distribution Company
- Mazoon Electricity Company

6.5.4 Qatar

- Qatar Electricity and Water Company (KAHAARMA)

6.5.5 Saudi Arabia

- Saudi Electricity Company (SEC)

6.5.6 United Arab Emirates

- Abu Dhabi Distribution Company (ADDC)
- Al Ain Distribution Company (AADC)
- Dubai Electricity and Water Authority (DEWA)

- Federal Electricity and Water Authority (FEWA)
- Sharjah Electricity and Water Authority (SEWA)

6.6 Africa

6.6.1 Algeria

- Société Nationale de l'Electricité et du Gaz (Sonelgaz)

6.6.2 Cameroon

- ENEO

6.6.3 Egypt

- Egyptian Electricity Holding Company (EEHC)

6.6.4 Ghana

- Electricity Company of Ghana (ECG)

6.6.5 Ivory Coast

- Compagnie Ivoirienne d' Electricité (CIE)

6.6.6 Kenya

- Kenya Power

6.6.7 Morocco

- Lyonnaise des Eaux de Casablanca (LYDEC)
- Office National de l'Electricité et de l'Eau Potable (ONEE)

6.6.8 South Africa

- Eskom

6.6.9 Tanzania

- TANESCO

6.6.10 Tunisia

- SocieteTunisienne de l'Electricite et du Gaz (STEG)

6.6.11 Uganda

- UMEME

PART 7: APPENDIX

7.1 Sources and methodology

7.2 List of abbreviations