



**DOMINION – UTILITIES PRIVATIZATION
FUPWG SPRING 2017
04/12/2017**

Dominion at a Glance

- Energy Portfolio
 - Over 2.6M Electric Customers and 2.3M Gas Customers
 - 64,200 miles Electric Transmission and Distribution
 - Over 800 substations
 - 66,300 miles transmission, distribution, gathering, and storage pipeline
 - 24,600 MW Electric Generation
 - 933B cubic feet of natural gas storage
 - Operations in 18 states
 - Over 1500 mW of renewable energy production in operation, under construction, or in development
 - Over 400 mW of additional renewable energy production planned in Virginia over next 5 years

We are Energy Partners to Mission-Critical Facilities



In all, Dominion provides electric service to over 300 federal sites.



Dominion – Partners In Privatization

Fort Belvoir

Fort Lee

Fort Myer

JBLE - Eustis

Fort McNair

JEB Little Creek – Fort
Story (Fort Story)

Henderson Hall

Arlington National
Cemetery

Fort Monroe (BRAC 2005)

Fort Hood – Gas & Electric

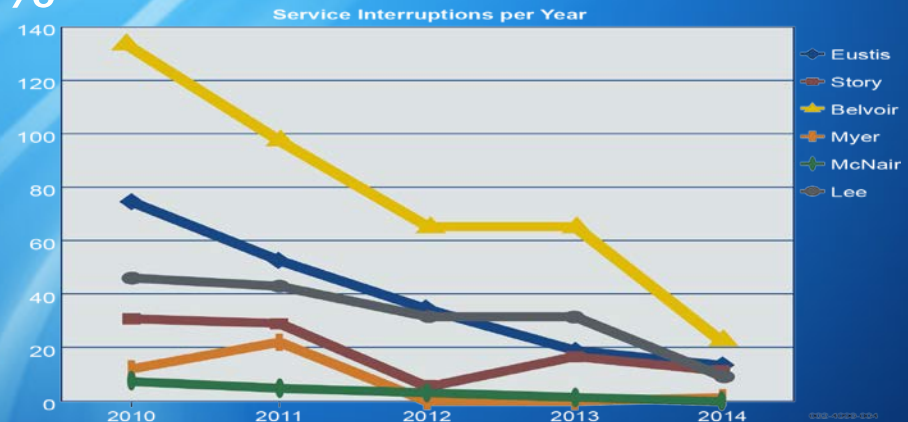
Dominion Privatization

Keys to Success

- Partnership Based Relationships
- Flexible Approach
- Real World Utility Expertise

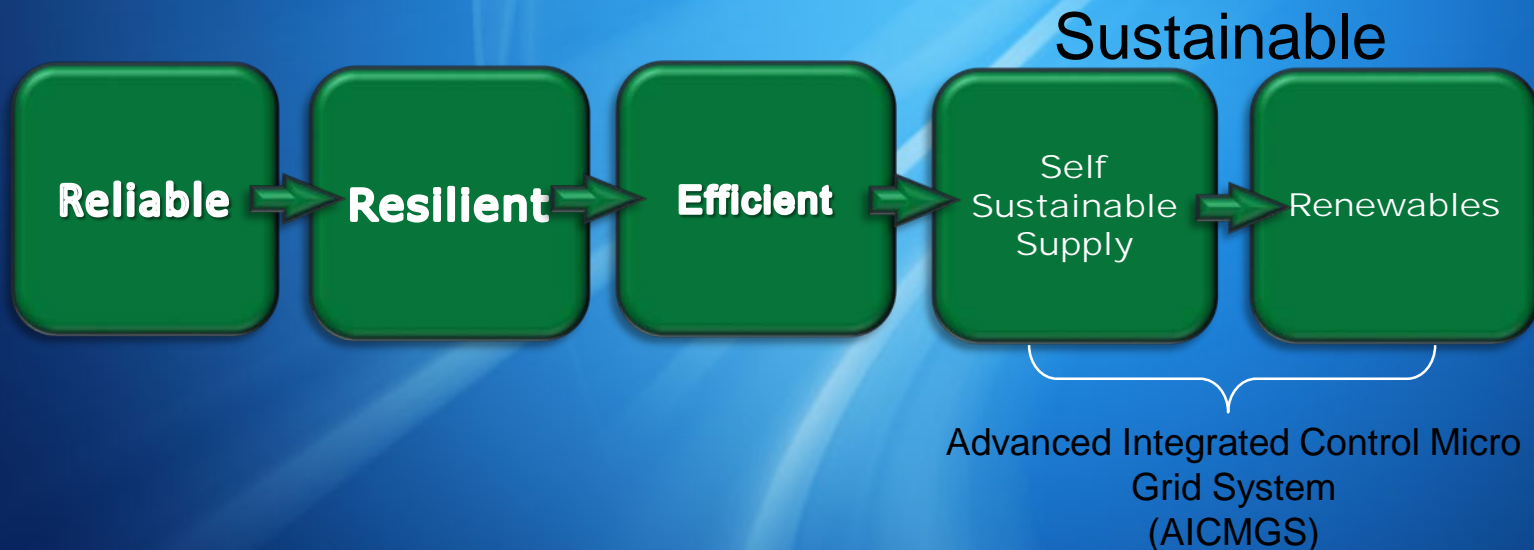
Dominion Privatization - Results

- On-time transitions
- Completed over \$300 million in projects for expansions, reliability, and energy security
- Supported significant BRAC related work at Fort Belvoir, Fort Lee, and Fort Eustis
- Significant Improvement in Reliability and Resiliency - Reduced outages by over 70%
- Own, operate and maintain 50 emergency generators to support energy security and sustainability



Dominion's Installation Blueprint Base of Tomorrow®

An installation that achieves a Reliable, Resilient, Efficient, and Sustainable energy supply from the generator to the end user by incorporating a diverse set of energy solutions implemented in an Integrated and Optimal approach.



Reliable and Resilient

System Protection / Lightning Protection Enhancements

Automatic Transfer Schemes / Distribution Automation

Circuit Reconfiguration / Enhanced Ties/ Loops

Circuit Reconditioning

Strategic Undergrounding

Duct Bank Replacement

Underground Cable Replacement

Switch Replacements

Transformer Replacements

Tree Trimming

Efficient

Conservation Voltage Reduction / Micro CVR

Awarded ESTCP grant (Fort Myer) to install Conservation Voltage Reduction (CVR) and MicroCVR to optimize voltage to reduce demand and consumption and to maintain voltage within a critical bandwidth

LED Lighting

Full Energy Services Capabilities – ESCO Partners

Sustainable

Short Term Sustainability

Own, Operate and Maintain 50 Emergency Back-Up Generators

Provide Emergency Back-Up Power directly to critical facilities

24/7 Monitoring with Dispatch Capability

Integrated into spot Micro Grids at Fort McNair, Fort Belvoir, and Fort Eustis

Sustainable

Long Term Sustainability

Advanced Integrated Control – Micro Grid System (AICMGS)

- Includes automation of distribution system and integration of existing generation
- Provides capability to isolate and self sustain loss of electric utility grid
- Maximizes use of existing generation – economic dispatch
- Leverages investment in Reliable and Resilient infrastructure

Renewables

Solar Proposals on Privatized Installations

Battery Storage

Integration of renewables into system to demonstrate how they can operate in coordination with normal utility supply and AICMGS

Integration of CVR to regulate voltage and compensate for output variability of renewable generation



Dominion[®]

Team Ft Hood



Team Ft Hood / ISDC Projects:

Team Ft Hood / Challenges:

- Communication Barriers
- Team Relocation
- Phantom Solar Project



Team Ft Hood / Successes:

- Safety Culture
- DPW Relationship
- System Inventory



Team Ft Hood / The Future:

- NG Regulator Stations
- Transmission Line
- NG Leak Repairs
- East Sub



Team Ft Hood / The Potential:

- Solider Building
- Distribution Automation
- Energy Security

