



# Army Utilities Privatization (UP) Installation Resilience

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**Curt Wexel, PE**  
Army UP Program Manager  
Assistance Chief of Staff for Installation Management



# Army UP Program Status



UP improves readiness by leveraging industry expertise and financing to upgrade and sustain utilities for safe, secure, efficient mission support.

- **152 out of 356 U.S. systems privatized (43%):**  
45 Electric, 36 Gas, 35 Water, 34 Wastewater, (+2 Heat/Power)
- **29% Portfolio Average “Should-Cost” avoidance**  
\$3.4 B Net Present Value saved compared to continued Army ownership
- **FY17-FY18 UP Awards:** 14 systems, \$1.2 B cost avoidance (34%)

✓ **Affordable**

✓ **Efficient**

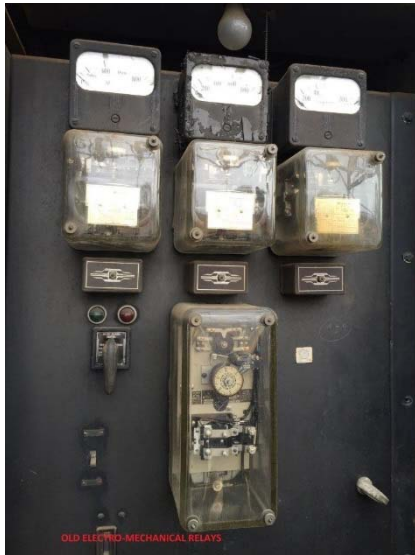
✓ **Secure**

✓ **Safe**

**Strategic Investments for Critical Missions**



# Energy Resilience & Security



Over \$1B invested

\$490M in UP Projects  
+ Renewal & Replacement

*FY06-17 on 24 utility systems  
excluding water & wastewater*

- Deficiency Correction
- Redesign & Reconfigure
- Redundant Supplies
- Modern Controls
- Full Sustainment
- Storage as appropriate





# Moving Forward



## Second-Order Benefits

- Improved reliability
- 16% Net water use reductions
- 35% Net natural gas use reductions
- Safer Communities

## Improving UP

- Additional metric tracking on reliability
- Improved cyber-security
- Improve sustainment decision process. Further leverage industry expertise to identify opportunities, rather than replace components based on age.