



# MARYLAND GRID-OF-THE-FUTURE SUMMIT

*January 29, 2016  
Baltimore, Maryland*



# GOALS AND PRINCIPLES TO GUIDE MARYLAND'S GRID-OF-THE-FUTURE

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*Draft Discussion Paper*

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# WHY GOALS AND PRINCIPLES FOR THE GOTF?

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- *Navigate Complex Transition Issues*
- *Balances Multiple Goals*
- *Supports Broader Objectives*

**OVERALL GOAL:**

**TO ACHIEVE AN AFFORDABLE, JUST,  
DEMOCRATIZED, RESILIENT, AND  
EMISSIONS-FREE ELECTRICITY  
SECTOR.**

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# AFFORDABLE ENERGY SERVICES AFFORDABLE TO ALL

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- *Up to 700,000 Low-Income under Federal*
- *Low-Income Spend 10%-40% on Energy*
- *Solutions Must Be Affordable*

# CLEAN

## CO2 EMISSIONS-FREE AND LOW POLLUTION

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- *Climate Change Upon Us*
- *Distributed Gen not all Low-Carbon*
- *Low-Carbon not all Renewable*

# SOCIALLY JUST

## SUPPORTS WORKERS AND COMMUNITIES THROUGH THE CLEAN ENERGY TRANSITION

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- *Energy Transition Must be Just Transition*
- *Comprehensive Approach*
- *Worker and Community Protection Fund*

# RESPONSIVE

## ENHANCES RELIABILITY AND SUPPORTS THE CLEAN ENERGY TRANSITION

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- *Integrates DG and Renewables*
- *New Demands for Flexibility*
- *Smart Grid*

# EQUITABLE

LOW-INCOME HOUSEHOLDS  
HAVE EQUAL ACCESS TO  
DISTRIBUTED ENERGY

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- *Inequities = Inefficiencies*
- *Low-Income Households Need Access*
- *Broadband and Smart Homes Needed for All*

# RESILIENT

**SUSTAINS ESSENTIAL ENERGY  
SERVICES AND RECOVERS  
FROM OUTAGES RAPIDLY**

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- *Faster Disaster Recovery Essential*
- *Islandable Microgrids*
- *Based on Renewables*

# ROBUST

RESISTANT TO, MINIMIZES,  
AND ISOLATES FAILURES

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- *New Concept -- Supports Resilience*
- *Failures Rare, Small, and Isolated*
- *Low Vulnerability to Economic Disruption*

# DEMOCRATIC

DECENTRALIZED, INCLUSIVE,  
TRANSPARENT, AND SECURE

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- *Make Ownership Accessible to All*
- *Information the Lifeblood of SmartGrid*
- *Consumer Confidence in Privacy Essential*



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