

MARYLAND'S GRID-OF-THE-FUTURE

*Maryland Solar Congress
October 15, 2016 - Annapolis*



MEDA
Marylanders for
Energy Democracy
& Affordability

Tim Judson

Nuclear Information and Resource Service

TimJ@nirs.org - 301-270-6477

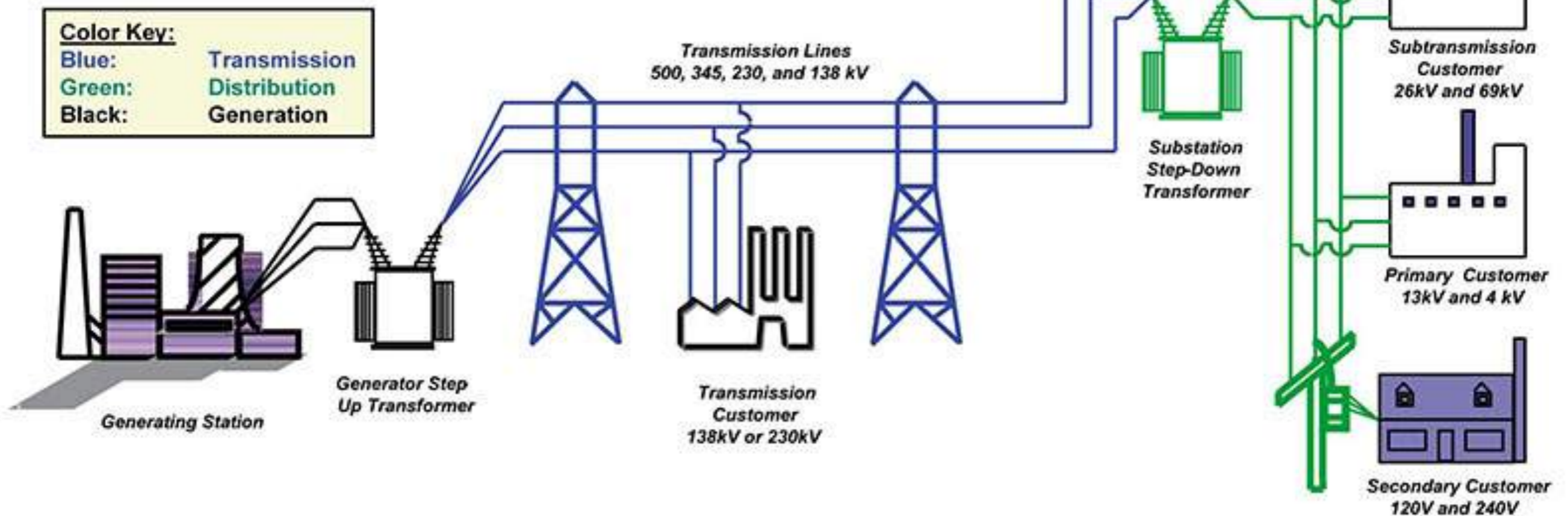
www.mdenergyforall.org

WHAT IS THE GRID-OF-THE-FUTURE?

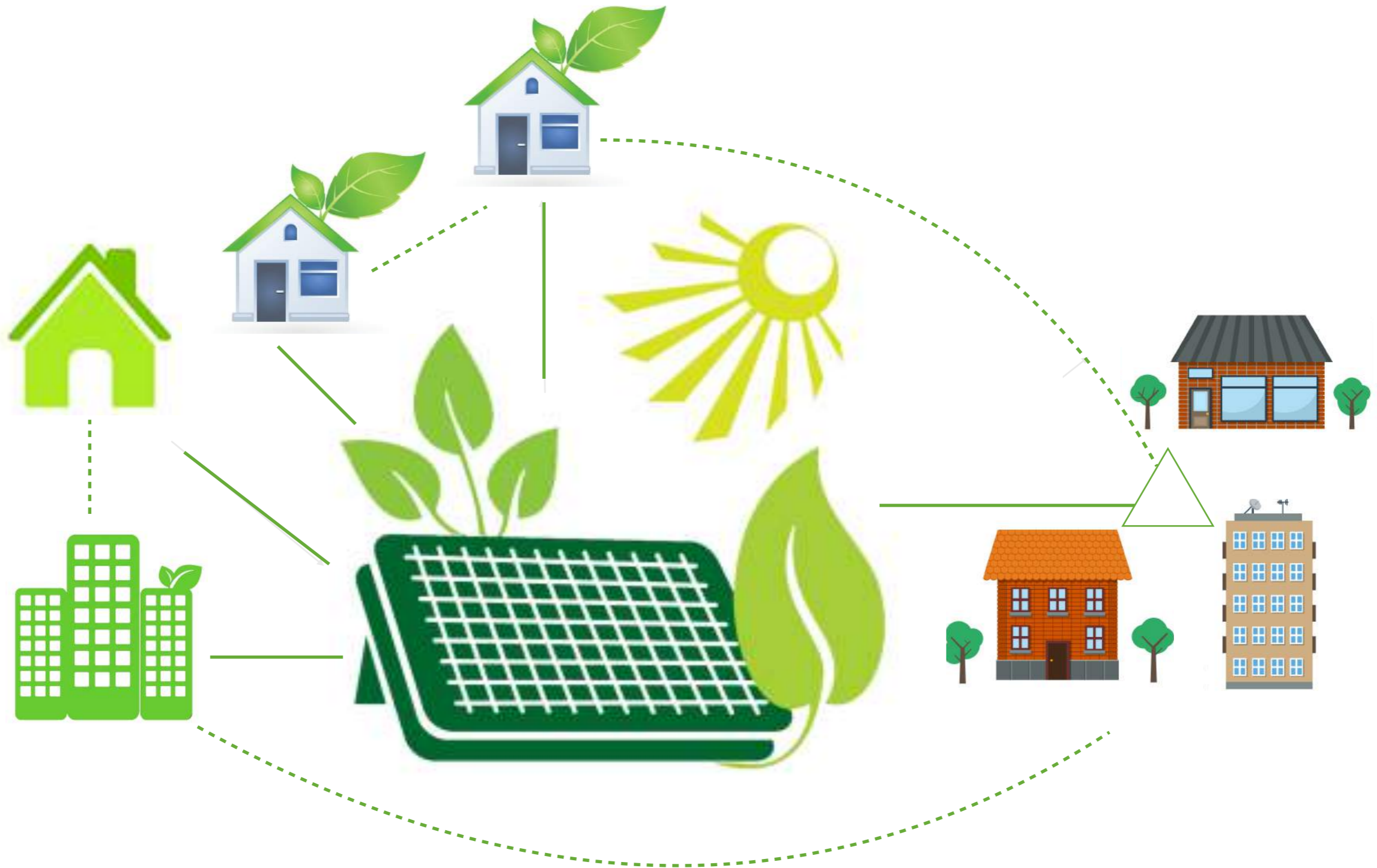
*Shift from CENTRALIZED Energy
Generation, Distribution, Pricing, and Control
to DECENTRALIZED Integration of
Local, Consumer-Owned, Flexible, Efficient Energy*

FROM THIS ...

Basic Structure of the Electric System



TO THIS!



WHAT DOES THE GOTF TRANSITION INVOLVE?

- *Change the Utility's Role*
- *Ensure Open Access: "Grid Neutrality"*
- *Modernize Infrastructure*
- *Networked Management of Supply and Demand*

ENERGY DEMOCRACY GOALS AND PRINCIPLES FOR THE GOTF

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

**OVERALL GOAL:
MAKE OUR ENERGY SYSTEM
AFFORDABLE, DEMOCRATIC,
EQUITABLE, RELIABLE, AND CLEAN.**

“Energy democracy means that community residents are innovators, planners, and decision-makers on how to use and create energy that is local and renewable.”

-Center for Social Inclusion

AFFORDABLE ENERGY SERVICES AFFORDABLE TO ALL

- *700,000 under Federal Low-Income*
- *Energy Bills \geq 10%-40% of Income*
- *Solutions Can and Must Be Affordable*

DEMOCRATIC

DECENTRALIZED, INCLUSIVE,
OPEN, AND TRANSPARENT

- *Universal Access to Energy Ownership*
- *Public Involvement in Decision-Making*
- *Information Available and Secure*

EQUITABLE

**BENEFITS AND COSTS SHARED
EVENLY AND FAIRLY**

- *Community and Worker Protection*
- *Financing and Opportunities Evenly Distributed*
- *Local Energy, Jobs, Decision-Making*

RELIABLE

**MORE RELIABLE AND SECURE,
FASTER RECOVERY FROM
OUTAGES AND DISASTERS**

- *Failures Rare, Small, and Isolated*
- *Integrates DG and Renewables*
- *Islandable Microgrids*

CLEAN

CO2 EMISSIONS-FREE AND LOW POLLUTION

- *Supports Climate Action Goals*
- *Protects Water, Cleaner Air*
- *Healthier Communities and Food*

WHAT DO WE DO?

- *Join MEDA: email info@mdgotf.org*
 - *Listserv + Weekly Digest email*
 - *Monthly meetings*
- *October 28: public comment deadline*
 - *Sign the MEDA sign-on comments*
 - *Submit your own - details from MEDA*

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