



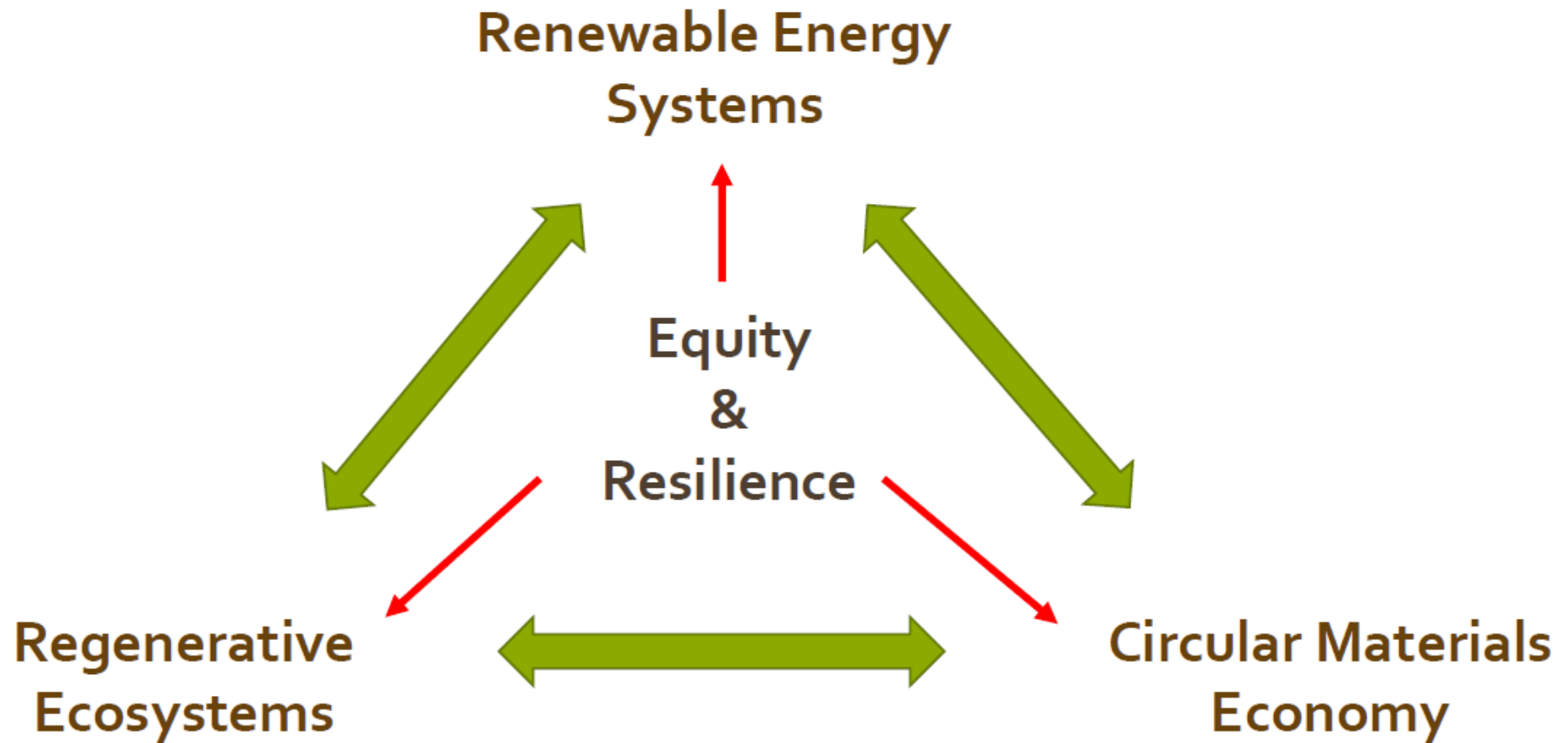
Community Power and Energy Democracy

Bringing Democracy to the CO Electricity Sector

Boulder Energy Future - 3D's subject to 3R's

- Decarbonize
- Decentralize
- Democratize
- Rates
- Reliability
- Renewables

Climate Mobilization Action Plan Format





PG&E Fires

- 1500 fires in 6 years
- Camp Fire razed Paradise, CA
- 85 dead
- \$12B losses in 2018



What Can Be Done In Colorado?

- 3rd Party Audits of Transmission Systems (2 year intervals)
- Public Transparency of Audit Results
- Aggressive O&M
- Aggressive Vegetation Control
- Public Hearings in Threatened Communities
- Firefighter Training by Utilities on Best Practices



DG in USA

- DG Solar: 1.1 GW
- Utility Solar: 0.7 GW
- DG can avoid costly utility upgrades
- Must have modern distribution system



Local Input Needed - Distribution Planning

- Current Planning Ignores Local Input
- Requests to Local Utility for Seat at Table: 'Hell, no!'
- Resilience Requires Modern Grid for
 - Enabling Local Micro-grids
 - Critical Facility Islanding
 - Neighborhood Gathering Centers with Standby Power
 - Islanding of Entire Neighborhoods During Floods, Fires, Disasters
- Public Input Process Needed to Meet Local Distribution Needs

Benefits of Decentralized Power

- Universal Access to Power Must Be Primary
- Individual Control of Resilience and Energy Costs
- Potential for Transactive Energy
- Function of Local Utility is Balancing and Last-Resort Power
- All Connected Users Pay for T&D System
- Businesses (70% of Load) Unlikely to Leave T&D System

