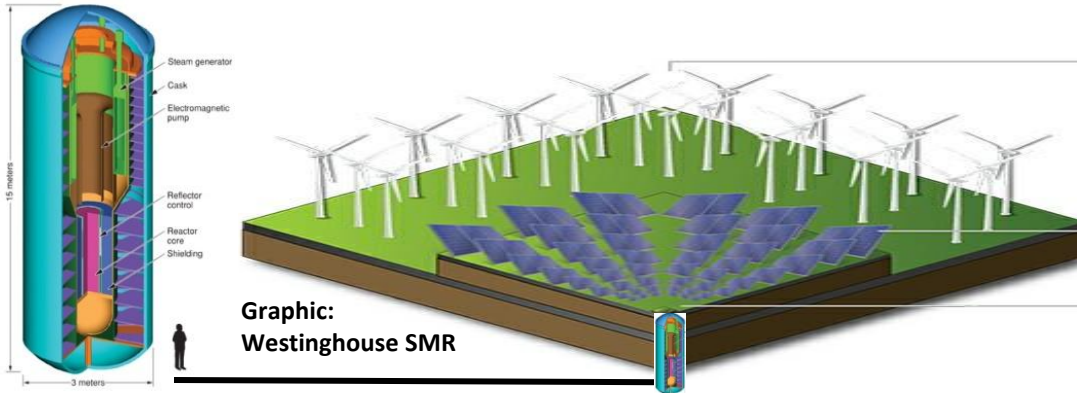




# Energy Security Action Committee

## Carbon-Free Solar, Wind & Small Modular Reactors: Which Is Most Earth-Friendly & Available?



Graphic:  
Westinghouse SMR

**Wind:** 225 MWe on 60,000 acres

**Solar:** 225 MWe on 2,400 acres

**Small Reactors:** 225 MWe on 15 acres  
(Always Up, Underground Sealed, 30-year Fueled, Liquid-Lead Cooled, Walk-Away Safe)

### Decentralized Power Generation Plants:

	Solar	Wind	SMR
- Acres Required For 225 MWe Power	2,400	60,000	15
- Heat Facilities, Make Hydrogen & Purify Water	No	No	Yes
- Kill Wildlife (Birds, Animals, Insects, Plants, etc.)	Millions	Millions	0
- Damage From Natural Disasters	Heavy	Heavy	None
- Vulnerabilities To Terrorism, EMP & Cyber Attacks	Huge	Huge	Minor
- Life Cycle of Units (years)	10-15	7-10	30
- Primary Manufacturing Source	China	China	USA
- Availability (Ave. Hours Per Day/Days Per Year)	0-12/100	0-24/180	24/365
- Safe From Component Explosions, Radiation, etc.	100%	100%	100%
- MicroGrid-controllable to Backup The Grid	Yes	Yes	Yes
- Unit Volume Manufacturing Costs (TBD)	~	~	~
- Est. Price of Power (Cents per Kwh)	>15	>15	<07

**Which  
Do You  
Prefer?**

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