

# Smart Grid Economic Interfaces



William Cox

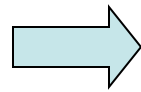
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# Terminology Affects Thought

Utility, Customer

Utility, Ratepayer

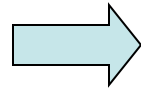


Producer, Consumer

Load Side

Demand Reduction

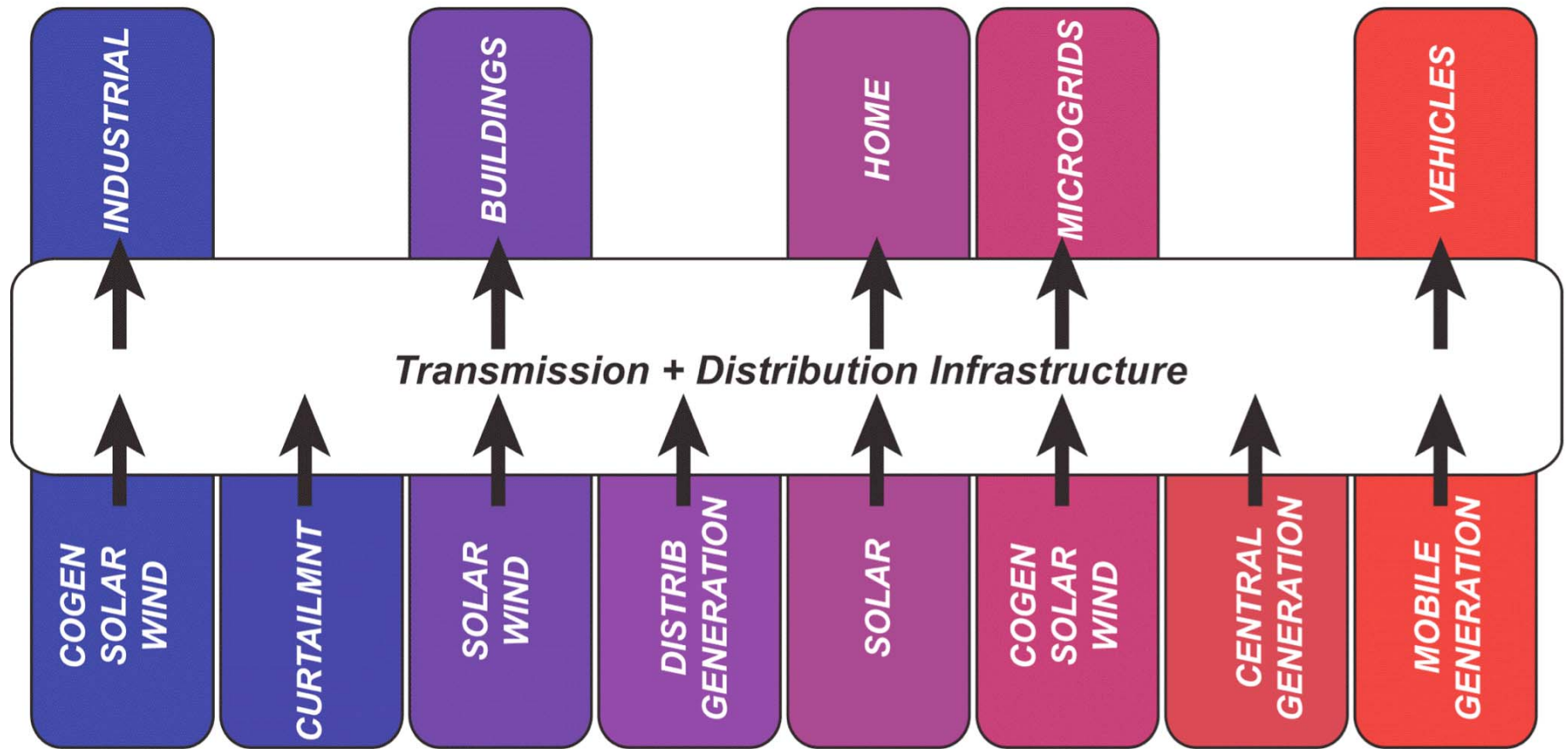
Demand Response



Collaborative Energy

# Energy Production + Consumption

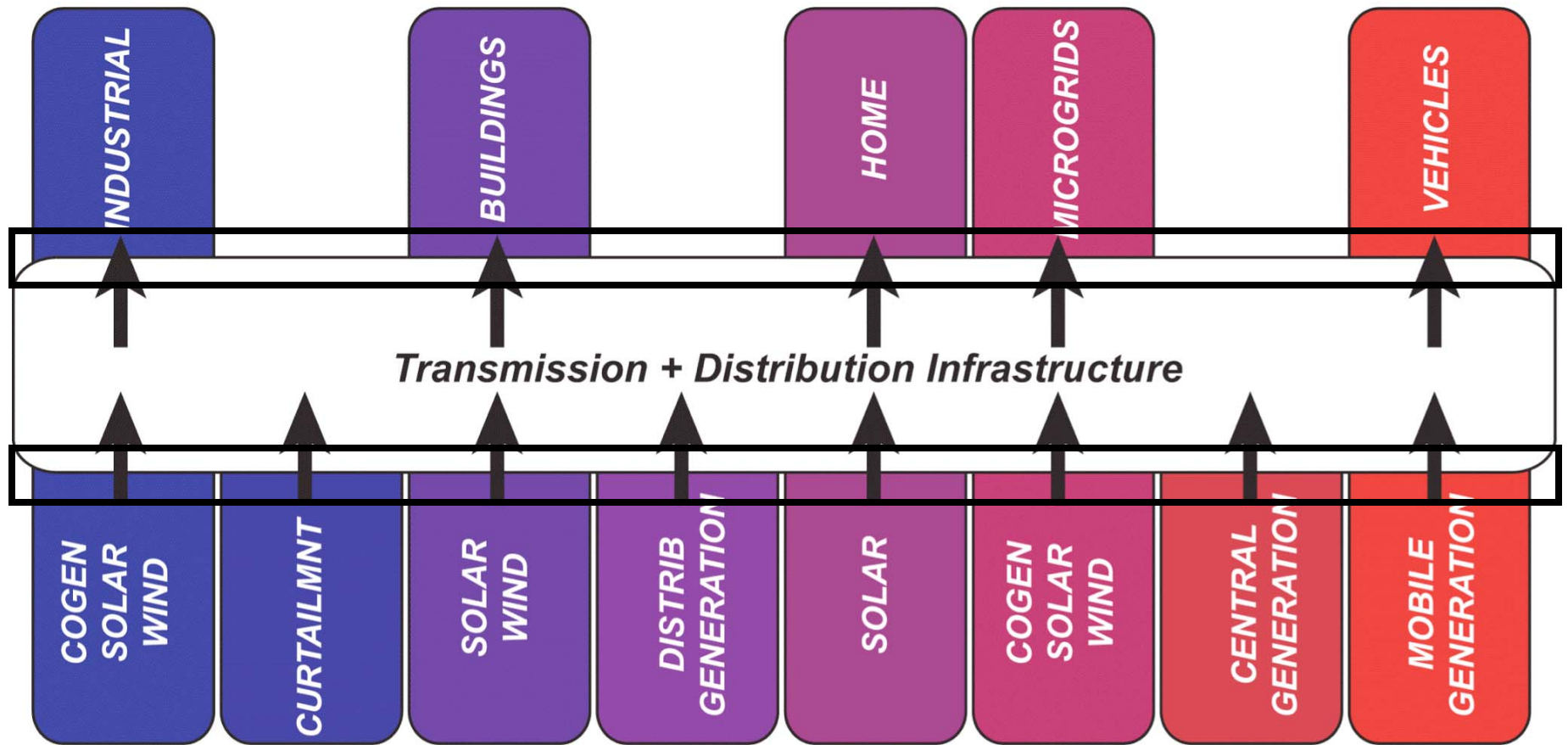
**CONSUME**



**PRODUCE**

# Energy Production + Consumption

**CONSUME**



**PRODUCE**

# Market [Software] Architecture

Market Design and Description

*What* Is Communicated - Price, Characteristics

*How* It's Communicated - Messages, Protocols

*From an interface perspective the fact that prices change is nearly as important as how they change*

# Contact Information

Newsletter Signup, Papers, Presentations  
Energy Interoperation Technical Committee  
Energy Market Information Exchange TC

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