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Beneficial PV deployment

On the road to greening economies in SEE: Options for economic recovery and renewables deployment

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Limits to PV deployment in the SEE region – E3 Analytics study

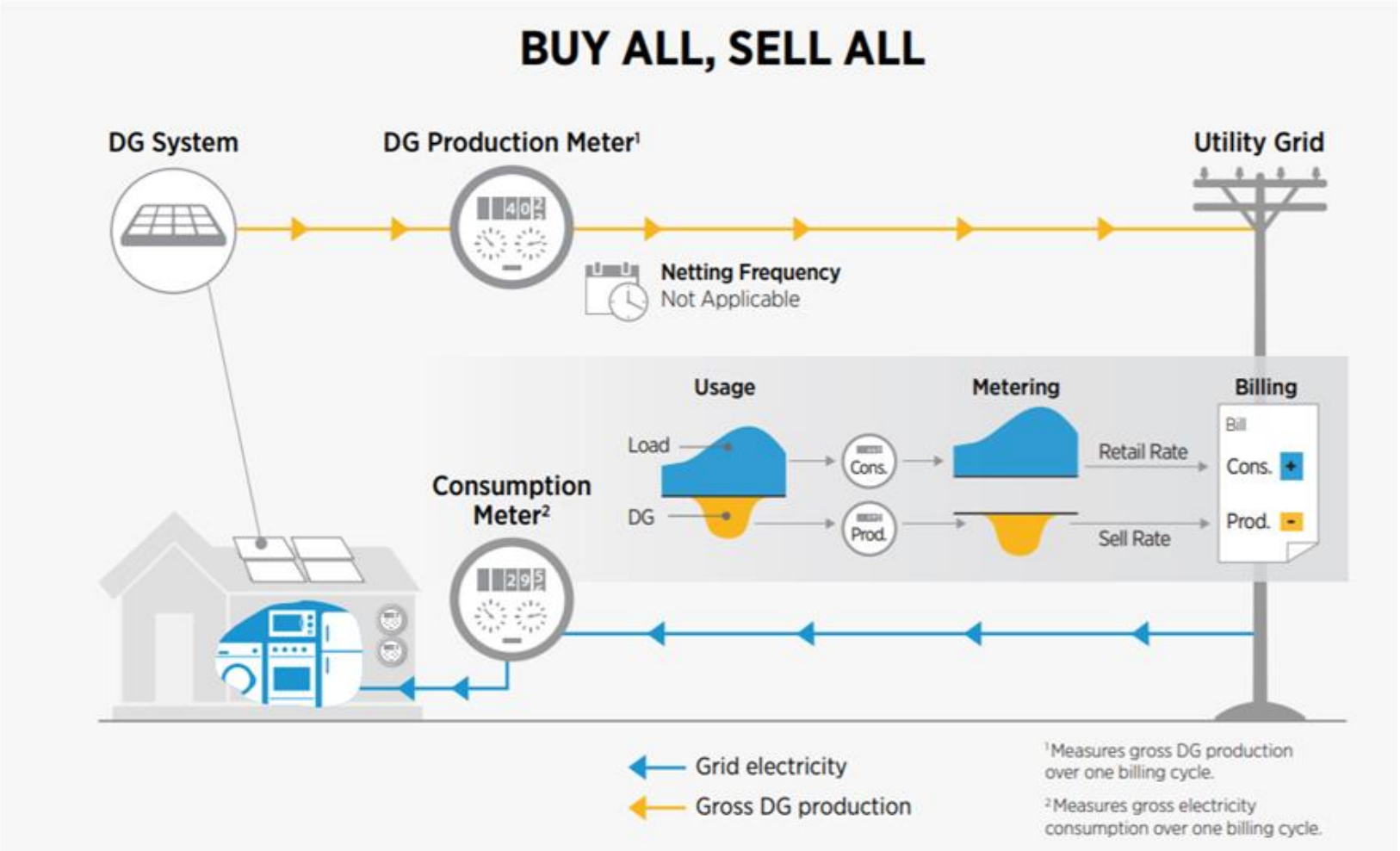
- Financial:
  - WACC
  - Cyclic investment support
- Regulatory:
  - Unclear
  - Incentivizing self-consumption
  - Incentivizing under-dimensioning

Rate design should make the choices the customer makes to optimize their own bill consistent with the choices they would make to minimize system costs.

#1: Remuneration

- Get rid of net metering as it
  - Is not equitable
  - Equates the value/cost of consumption with generation
  - Neglects the time value of solar

- Disaggregate flows: ‚Buy-all, sell-all' regime



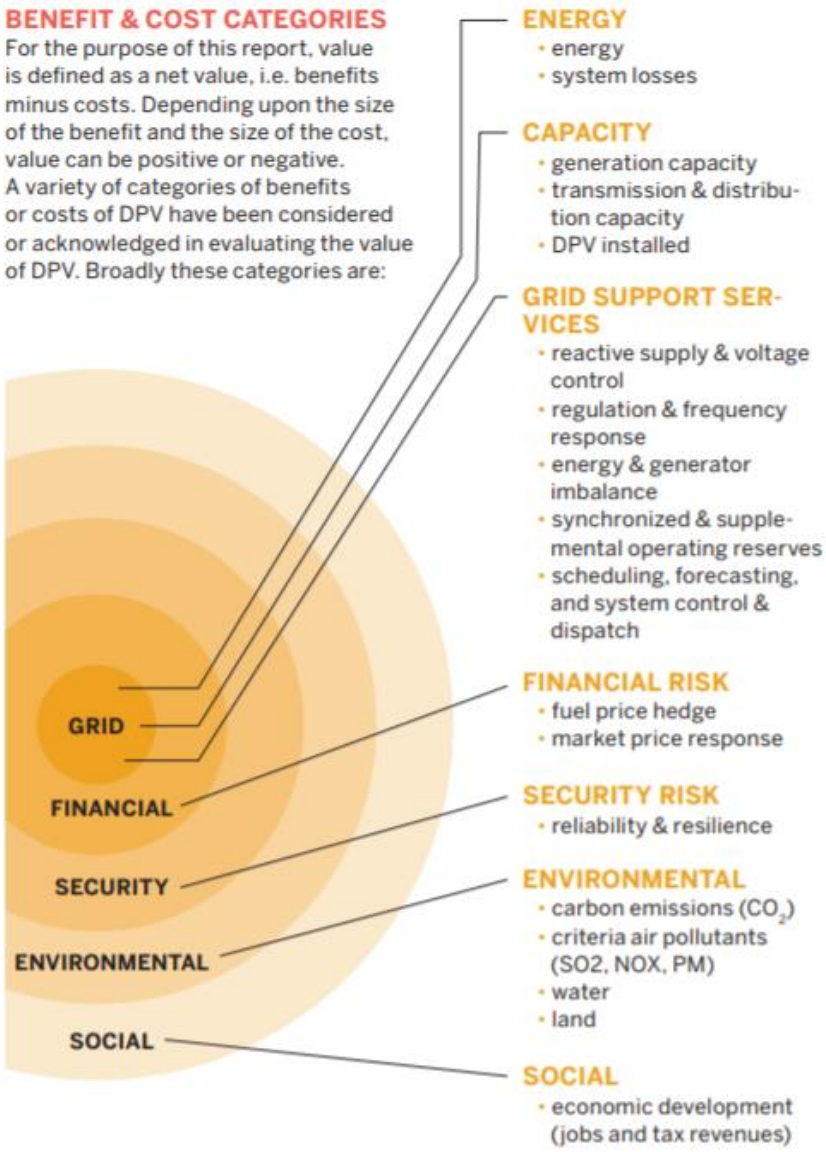
NREL Grid-Connected Distributed Generation: Compensation Mechanism Basics

#2: Visibility and controllability

- 1.0: PV register
- 2.0: Operational data
- 3.0: Smart inverters

Conclusions

- Many potential benefits
- Coexistence of utility and rooftop scale
- Not just fast but beneficial deployment



Hansen et al. (2013). A Review of Solar PV Benefit & Cost

About RAP

The Regulatory Assistance Project (RAP)® is an independent, non-partisan, non-governmental organization dedicated to accelerating the transition to a clean, reliable, and efficient energy future.

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