

# RENEWABLE ENERGY CERTIFICATES & GREENHOUSE GAS BENEFITS

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# CURRENT PRACTICES

- Claiming GHG emission reductions from the purchase of RECs
  - i.e. “Your purchase of one REC reduces GHG emissions from the electricity sector.”
- Accounting for RECs in a GHG registry
  - i.e. “An entity participating in a GHG registry can reduce its indirect electricity emissions by purchasing RECs.”
- Offsetting GHG emissions with RECs
  - i.e. “Your purchase of one REC offsets the GHG emissions caused by your air travel.”

# METHODOLOGIES

Type	Venue	Methodology	GHG Reduction (Metric tonnes\MWh)	Consumers
Claiming	Green-e, ERT	eGrid Factors	0.3 - 0.9	Primarily Corporations
Accounting	Climate Leaders, CCAR	eGrid Factors	0.3 - 0.9	Primarily Corporations
Offsetting	CCX, Upcoming Green-e standard	CCNG, TBD	0.4, ?	Corporations and Individuals

# QUESTIONS

- Offsetting electricity emissions:
  - MWh or GHG Emissions
- When is additionality important?
- Accuracy vs Feasibility of calculating emission reductions from renewable electricity generation