



The Climate Registry

Voluntary GHG Emissions Accounting Methodologies

The Climate Registry

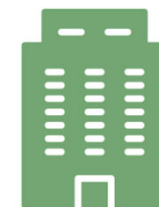
November 6, 2019



The Climate Registry

The Climate Registry

- Provides resources that support the measurement, reporting, and verification of organizations' carbon footprints
- Operates voluntary greenhouse gas reporting programs in North America
- Publishes verified carbon footprints in a public web-based database





The Climate Registry

Over a Decade of Leadership



- **Founded in 2007**
- **7 core consensus-based guidance resources**
- **3,000 users**



The Climate Registry

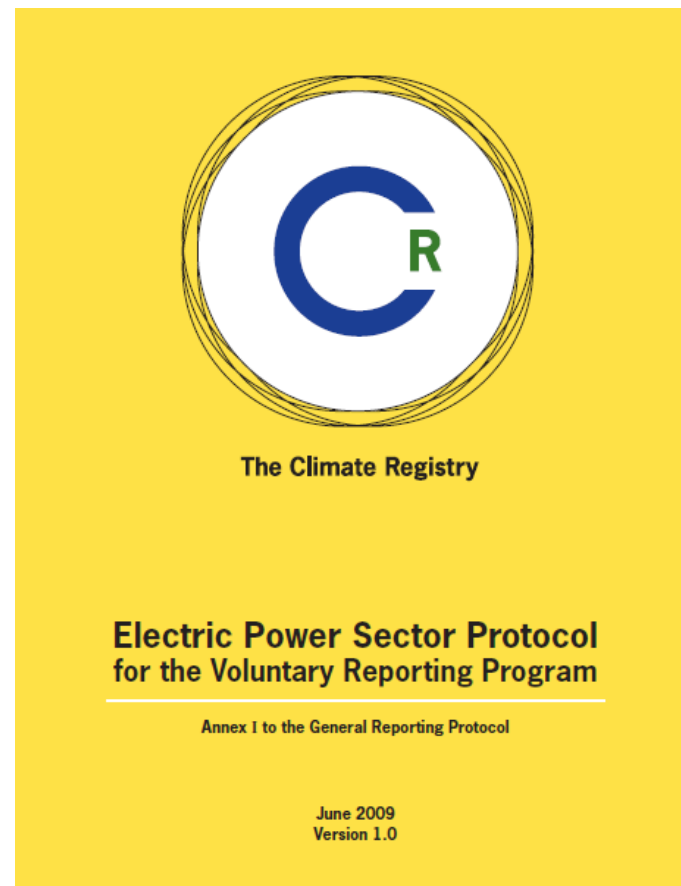
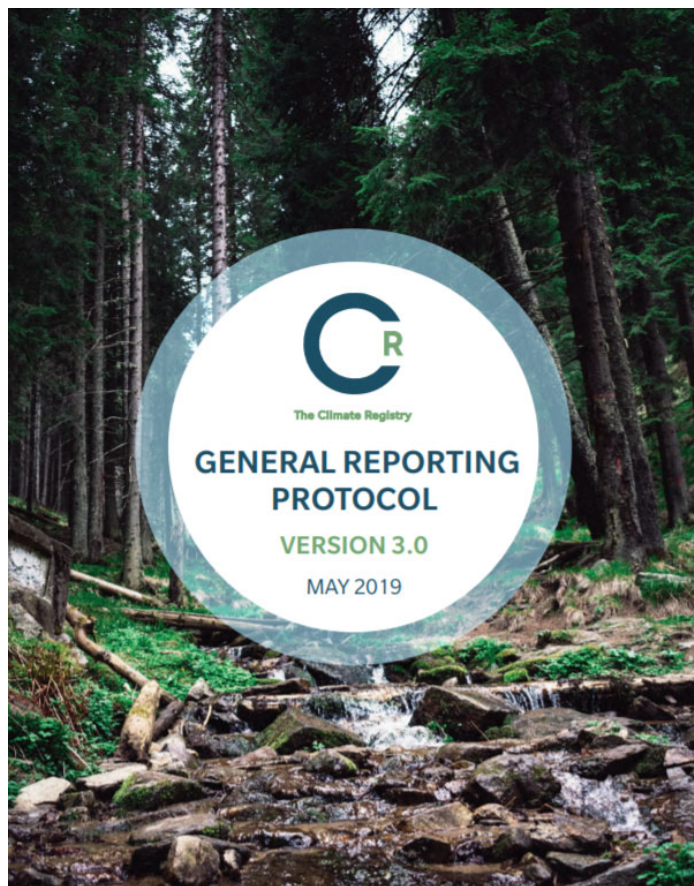
TCR Members





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Reporting Protocols





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GHG Emissions Intensity for Delivered Electricity

- **Electricity delivery metrics are expressed in metric tons CO₂/MWh**
 - **Converted to lbs CO₂/MWh for customer use**

$$\frac{\text{Emissions from delivered power}}{\text{MWh delivered power}}$$



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Delivery Metric Reporting Options

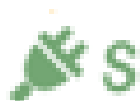


Option A: System mix

Option B: Separate products for customer categories



- Wholesale



- **Special Power Products** (multiple categories possible)




- Retail (everything else)




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TCR Verified Delivery Metrics

 SA System Average

 R Retail Power

 S Special Power

 W Wholesale Power

 SC Self-Consumed Power

2016
EMISSION
RATES

Factor Type

Utility

Emission Factor
(lbs CO₂/MWh)



Seattle City Light

31.12



Seattle City Light

0.00



Seattle City Light

216.67



Sonoma Clean Power (CleanStart)

97.76



Sonoma Clean Power (EverGreen)

57.00



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Option to Adjust for RECs

- **RECs bundled with power are already included in emissions intensity (no adjustment)**
- **Electricity providers may adjust metrics to incorporate unbundled RECs**





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Membership with TCR



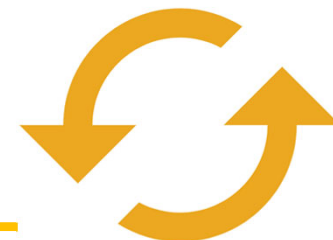
Training, tools, and support to measure greenhouse gas emissions



Recognition opportunities in the **Climate Registered™ Program**



High-quality data to demonstrate leadership to your stakeholders



Consistent approach for measuring and accounting for GHGs over time



The Climate Registry

Thank you!

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