Voluntary GHG Emissions Accounting Methodologies

The Climate Registry

November 6, 2019
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
Over a Decade of Leadership

• Founded in 2007
• 7 core consensus-based guidance resources
• 3,000 users
TCR Members

- CleanPowerSF
- CPA
- Sonoma Clean Power
- MCE
- Redwood Coast Energy Authority
- San Jose Clean Energy
- East Bay Community Energy
- Silicon Valley Clean Energy
- The City of San Diego
GHG Emissions Intensity for Delivered Electricity

- Electricity delivery metrics are expressed in metric tons CO$_2$/MWh
  - Converted to lbs CO$_2$/MWh for customer use

Emissions from delivered power

MWh delivered power
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)
# TCR Verified Delivery Metrics

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<thead>
<tr>
<th>Factor Type</th>
<th>Utility</th>
<th>Emission Factor</th>
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<tr>
<td>R</td>
<td>Seattle City Light</td>
<td>31.12</td>
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<tr>
<td>S</td>
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<td>S</td>
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</table>
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
Membership with TCR

Training, tools, and support to measure greenhouse gas emissions

High-quality data to demonstrate leadership to your stakeholders

Recognition opportunities in the Climate Registered™ Program

Consistent approach for measuring and accounting for GHGs over time