Driving Local Climate Innovation through SEEC ClearPath

Brian Holland
California Climate Action Planning Conference
August 14, 2015
Topics

• SEEC ClearPath Overview

• Advanced Features Coming Soon

• A ClearPath “Information Ecosystem”
SEEC ClearPath Overview
SEEC is an alliance that provides no-cost technical trainings and resources to help California local governments increase energy efficiency and cost savings and reduce greenhouse gas emissions.

For more information, visit: www.californiaseec.org
What is SEEC ClearPath?

- Online software tool for measuring and managing energy and GHG emissions
- Municipal operations or community scale
- Integrated data analysis and management
  - Inventories
  - Forecasts
  - CAP decision–support
  - Implementation tracking
  - Monitoring
- Rich reporting features
- Compliant with all relevant GHG protocols endorsed by California state agencies
Why SEEC ClearPath?

- No-cost tool available to any California local government, regional agency and consultant
- Protocol-compliant calculations and reporting
- Online platform to foster transparency, collaboration and consistency
- Automatic updates and secure storage system
- Regional administration capabilities
A Journey on the ClearPath at the Community Scale

Projected CO2e Values With Reductions Applied

- Residential Energy
- Commercial Energy
- Transportation & Mobile Sources
- Solid Waste
- Original Forecast
- Emission Target #1 Reduction Goal
- Mid-Term Reduction Goal
- Long Term Reduction Goal
SEEC ClearPath’s Reach
SEEC ClearPath Metrics

1. 244 Local Government & Regional Accounts
2. 250 Gov Ops & 400 Community Inventories
3. Over 175 BAU Forecasts
4. 149 Planning Scenarios
5. Over 200 LGO & Community Measures
Envisioning Carbon Neutrality with SEEC ClearPath

Projected CO2e Values With Reductions Applied

- Residential Energy
- Commercial Energy
- Transportation & Mobile Sources
- Solid Waste
- Original Forecast
- 30% Below Baseline Reduction Goal
Increase Active Transportation

Projected CO2e Values With Reductions Applied
Net Zero Homes
Existing Buildings and New Construction

Projected CO2e Values With Reductions Applied

- Residential Energy
- Commercial Energy
- Transportation & Mobile Sources
- Solid Waste

2011-2046
Net Zero Commercial
Existing Buildings and New Construction

Projected CO2e Values With Reductions Applied

- Residential Energy
- Commercial Energy
- Transportation & Mobile Sources
- Solid Waste
- Original Forecast
- 30% Below Baseline Reduction Goal
Monitoring Your Progress
Comparing BAU or CAP Forecasts with Actuals

Projected to Actual Summary

Comparison of a single inventory to projected total for the same calendar year, summarized by sector.

Comparing SEEC Field Training Planning Demo to SEEC Demo 2010 Community Inventory (2010)

<table>
<thead>
<tr>
<th>Year</th>
<th>Residential Energy (MT CO2e)</th>
<th>Commercial Energy (MT CO2e)</th>
<th>Transportation &amp; Mobile Sources (MT CO2e)</th>
<th>Solid Waste (MT CO2e)</th>
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<tr>
<td>Projected</td>
<td>18251</td>
<td>21056</td>
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<td>-2193</td>
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New Advanced Features
New Features – August 2015

- Pre-populated Data and Default Factor Sets
- Clone an Inventory & Recalculate
- Add Validation Warnings
- Bulk data uploads for Vehicle Fleet, Buildings & Facilities
- Global Protocol (GPC) Calculators
- 1-Click API to Carbon Climate Registry (October 2015)
- Resource Portal (October 2015)
A ClearPath Information Ecosystem
An open and connected data ecosystem
Public reporting

• 2014 AB 32 Scoping Plan Update identifies need for reporting platform for local climate action
• International platforms like carbonn Climate Registry (cCR) and Carbon Disclosure Project (CDP)
• Building trust, public engagement, and policy insights
The carbonn Climate Registry (cCR) is the largest global reporting platform of local and subnational climate action.

Launched at the World Mayors Summit on Climate in Mexico City on 21 Nov. 2010 (COP 16 in Cancun)

3 areas of reporting:

- Commitments (Climate and Energy)
- Performances (GHG inventories)
- Actions (Adaptation and Mitigation)
cCR in numbers

Source: cCR data of Nov 2014
Other possible connections

• Facility / asset management tools (i.e. Lucid BuildingOS or Portfolio Manager)
• Open data platforms (i.e. Socrata or other non-proprietary)
• Utility data
SEEC ClearPath Resources

- SEEC ClearPath Tool – [http://clearpath.californiaseec.org](http://clearpath.californiaseec.org)
- PDF Instructions for 4 modules and New SEEC ClearPath 101 guide (located on home page of SEEC ClearPath)
- On-demand e-trainings via SEEC Website – [http://californiaseec.org/resources-guidance#b_start=0&c4=ondemandtraining](http://californiaseec.org/resources-guidance#b_start=0&c4=ondemandtraining)
- Office Hours every 2nd and 4th Thursday of the Month via GoTo Meeting
Thank You!

Brian Holland
Brian.holland@iclei.org
(415) 734-0653

JR Killigrew
(510) 844-0699 ext. 307
jr.killigrew@iclei.org