Overview of the Climate Action Reserve

Webinar will begin shortly
For audio, please dial (213) 286-1201
Access code: 234-507-388

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Presentation Overview

1. Background on the Climate Action Reserve
2. What is different about the Reserve?
3. Our protocols
4. The project registration process
5. Finding information on our website

- What we will not be covering
  - Software demo
  - Technical details on using the protocols
History of the Climate Action Reserve

- Founded as the California Climate Action Registry by state legislation in 2001
  - Encourage voluntary reporting and reductions
  - Develop protocols to track GHG emissions and reductions
Objectives of the Climate Action Reserve

• Address public concerns about the voluntary carbon market that:
  – Projects aren’t additional
  – Credits are being double counted or sold

• Our reputation for high-quality accounting standards can address these concerns
  – Show that carbon offsets can be a useful tool in addressing climate change

• Intended to be the premier place to register carbon offset projects for North America
  – Be the recognized “seal of approval”
Relationship with the Climate Registry

• The Climate Registry is a non-profit set up by U.S. states, Canadian provinces, Mexican states and native sovereign nations to track GHG emissions
  – Sister organization to the Reserve

• The Climate Registry does not track GHG reduction projects—just entity footprints
Relationship with VCS—the Voluntary Carbon Standard

• VCS is an international program that links together the highest quality carbon offset programs

• The Reserve is the only U.S. program recognized by VCS

• CRTs will be convertible into VCUss—but not the reverse
What makes the Reserve different?

Recognition

Recognized and Supported by:

• California Air Resources Board
• State of Pennsylvania
• Voluntary Carbon Standard (VCS)
• Leading environmental organizations:
  – Environment America
  – Natural Resources Defense Council (NRDC)
  – Union of Concerned Scientists
  – Sierra Club
  – Wilderness Society
What makes the Reserve different?

Transparency

• Unparalleled transparency makes the Reserve unique

• Public reports include:
  – All protocols
  – List of all account-holders
  – List of all projects and all project documents
  – List of all issued CRTs for every project
  – All retired CRTs
What makes the Reserve different?

Performance standard

- Why a performance standard is different
  - The hard work is upfront
  - Assess industry practice as a whole, rather than individual project activities

- Less subjective determination to qualify
- More certainty in amount of credits
- Lower risk for developers
- Faster project processing
Separation of Roles

- Reserve develops protocols but does not develop projects
- Does not take ownership of offsets
- 501(c)(3) non-profit status
- Third-party verification
  - Consistent with international standards
  - Accreditation done by ANSI
  - Conflict of interest analysis on every project
What makes the Reserve different?

Connecting markets

• For now, main demand is from the voluntary market

• In the future, projects may be usable for compliance in California, Western Climate Initiative or in a national system
  – Regulators have yet to make decisions on these questions
  – But, the Reserve “is considered the premier pre-compliance offset standard.” (State of the Voluntary Carbon Markets 2009)
Our Protocols

• Developed with broad public input
• Goal is to create a uniform standard that is widely recognized and builds on best practice
  – We incorporate the best elements of other protocols
  – We do not accept protocols from other programs (i.e. CDM, Gold Standard, VCS, etc.)
• Designed as step-by-step instructions on project development
Protocol Development Process

1. Literature review
2. Scoping/kick-off meeting
3. Multi-stakeholder workgroup formation
4. Draft protocol to workgroup
5. Revised draft released for public comment
6. Public workshop
7. Adoption by Reserve board in public session
   • It is unique for a non-profit Board to meet in public
8. Adoption by California Air Resources Board in public session
Existing Protocols

• Forestry
  – Improved forest management
  – Avoided conversion
  – Reforestation

• Landfill gas capture (US & Mexico)

• Livestock methane capture (US & Mexico)

• Organic waste digestion

• Coal mine methane

• Urban forestry
Protocols under consideration for 2009-2010

Agriculture and Biological Sequestration
- Composting*
- Soil sequestration
  - Cropland
  - Rangeland
  - Biochar
- Tidal wetlands restoration

Industrial Processes
- Boiler efficiency
- Ozone depleting substances*
- N₂O from nitric acid plants*
- Natural gas T&D systems

Transportation
- Truck stop electrification

* In-progress
Renewable Energy and Energy Efficiency Protocols

• No renewable energy protocol is planned
  – You may be able to generate RECs through other programs from methane destruction projects if you are generating electricity

• No electrical energy efficiency/green building protocols are planned
  – This is only for electricity. We are planning a natural gas efficiency protocol

• Why? Electricity is certain to be a capped sector under any GHG regulation
Steps to eligibility

1. Location – U.S. (and its territories) or Mexico (specific protocols)
2. Project started operation after 1/1/2001
   - 8/15/08 for Mexico
   - This is changing with new protocols
3. Regulatory screen – not legally required
4. Performance standard for additionality
5. Compliance – must meet all applicable environmental regulations
Verification

• Developer must select an accredited verifier

• Verifier submits conflict of interest form every time

• Developer hires verifier
  – Verifier makes determination how many tonnes of reduction have taken place
  – Project documents, verification report and verification opinion submitted to the Reserve
Crediting reductions

• CRTs are only issued ex-post, after the reductions have occurred and been successfully verified
• The Reserve credits the project developer’s account with the appropriate number of CRTs (Climate Reserve Tonnes, pronounced “carrots”)
• Each CRT has a unique serial number for tracking
  – Includes embedded information about the project, project type, vintage, and location
• Each project has a limited crediting period
  – 100 years for forestry, 10 years for everything else
Transferring credits

- Developer contracts to sell CRTs with an interested buyer
  - Financial transaction is outside of the system
  - Buyer must have an account on the system or seller can retire them on behalf of buyer
- Developer instructs the system to transfer the CRTs into the buyer’s account
- Buyer can hold them, retire them or transfer them to someone else
- CRT futures can now be traded on the CCFE
The Reserve process

1. Open an account
2. Submit project
3. Reduce emissions
4. Verify the reductions

Each reporting period

Registered CRTs issued

Sell CRTs
Fee Structure

- Account Maintenance: $500/year
- Project Listing: $500/project
- CRT Issuance: $0.20/tonne
- CRT Transfer: $0.03/tonne
- Retirement: Free
Current Statistics

- Reserve launched: May 2008
- Account-holders: 185
- Total submitted projects: 170
  - Located in 39 states
- CRTs issued: ~1.87 million
- Recent average price: $6.80 per CRT
  - According to New Energy Finance, Global Carbon Quarterly Q3 2009, September 2009
The Climate Action Reserve was founded to ensure integrity, transparency, and financial value in the North American carbon market.

**Reserve Facts**
- 97 Account Holders
- 0 Projects listed
- 40 Projects listed
- 15 New projects
- 1,271,794 CERs issued

**Program Announcements**
- June 2, 2009
  - Forest Protocol Draft Project Implementation Agreement now available for public comment - Comments due June 10
- May 4, 2009
  - PPS to develop methane project, methane recommendations: now available - proposals due June 25

**News**
- June 4, 2009
  - Climate Action Reserve exceeds one million offset credits issued
- April 30, 2009
  - Federal Mexican government official elected to Climate Action Reserve Board of Directors
- April 12, 2009
  - Climate Action Reserve becomes parent organization to the California Climate Action Registry and two other programs
- April 5, 2009
  - Environmental organizations line up behind the Climate Action Reserve
- March 22, 2009
  - Climate Action Reserve makes milestone expansion of carbon credit program

**Register a Project**
- Protocols

**Center for Climate Action**
- California Climate Action Registry
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