



# Memorandum

## MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Reviewed by   
General Manager

Date 10/9/09

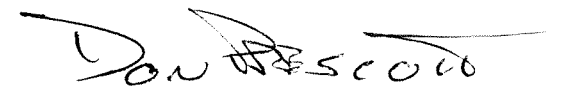
DATE: October 9, 2009  
 TO: General Manager  
 FROM: Information Systems Manager  
 SUBJECT: Status Report on Opportunity for the District to sell Carbon Emission Offset Credits

At the September Board meeting, staff discussed the opportunity for the District to sell carbon emission offset credits issued by the Climate Action Reserve (CAR), the national offsets program of the California Climate Action Registry, over three years for potentially more than \$700,000. Projects of this kind are typically, but not always, contracted out to a firm in a turnkey fashion. The selected firm oversees the administration of the CAR application, advises the landfill owner on operational and monitoring procedures, arranges the independent verification of the records, and then purchases the resulting carbon offset credits known as Climate Reserve Tonnes (CRTs). To be eligible, a project must register within 12 months of the adoption of the project protocol by CAR. The revised project protocol for U.S. landfill projects was adopted in November 2008, leading to a November 2009 deadline to submit the application. Due to this time constraint, the Board authorized staff to select a firm for such a comprehensive agreement and present a contract for Board authorization in October.

Following the Board's actions, staff contacted five qualified firms and requested proposals. Only two of the firms were able to respond within the short timeframe. While the two proposals were similar in concept, they differed significantly in terms.

Because the urgency for the District is the submission of the application to CAR by November, staff decided to proceed with filing the application as soon as possible and delay decisions on the marketing of the CRTs until later. The application, with the variance for the flare, is comprehensive but a relatively straight forward document. To assist on the application and operational and monitoring procedures, staff has engaged TerraPass, Inc. of San Francisco. They are one of the firms that typically take a turnkey approach to such projects, but are willing to assist the District in filing the CAR application for a modest fee.

Staff is well underway in preparing the project application and will submit it around October 20<sup>th</sup>. Once the application has been accepted by CAR, staff will prepare a plan for marketing the future CRTs with ample opportunity for interested buyers to make offers.

  
 Don Prescott

CAR Projects as of 100809

Project ID	Project Developer	Project Name	Verifier	Project Type	Status	Project Site Location	Project Site State	Project Website
CAR497	Blue Source	Alligator River Avoided Conversion		Avoided Conversion	Listed	Hyde County	NORTH CAROLINA	
CAR408	The Conservation Fund	Big River / Salmon Creek Forests	Scientific Certification Systems (SCS)	Conservation-Based Forest Management	Registered	Mendocino County, CA	CALIFORNIA	
CAR102	The Conservation Fund	Garcia River Forest	Scientific Certification Systems (SCS)	Conservation-Based Forest Management	Registered	Mendocino County	CALIFORNIA	
CAR401	Sempervirens Fund	Lompico Headwaters Forest Carbon Project	SGS Environmental Services, Inc.	Conservation-Based Forest Management	Listed	NE of Lompico Rd, Lompico, CA	CALIFORNIA	www.sempervirens.org
CAR427	Love Creek Forest	Love Creek Forest		Conservation-Based Forest Management	Listed	Arnold, CA	CALIFORNIA	
CAR429	Pondosa Forest, LLC	McCloud River		Conservation-Based Forest Management	Listed	Shasta and Siskiyou Counties	CALIFORNIA	
CAR428	Phillips Family Tree Farm	Phillips Family Tree Farm		Conservation-Based Forest Management	Listed	Shasta County	CALIFORNIA	
CAR430	Craig Blencowe	RPH Ranch	Scientific Certification Systems (SCS)	Conservation-Based Forest Management	Listed	Comptche, Mendocino County	CALIFORNIA	cblen@comcast.net
CAR101	Fred M. van Eck Forest Foundation California, LLC	The van Eck Forest	Scientific Certification Systems (SCS)	Conservation-Based Forest Management	Registered	Humboldt County	CALIFORNIA	
CAR395	Truckee Tahoe Airport District	Waddle Ranch	NSF International Strategic Registrations	Forest Conservation	Listed	near Truckee, CA	CALIFORNIA	http://www.sbcouncil.org/Waddle-Ranch
CAR403	Black Warrior Solid Waste Disposal Authority	Black Warrior Solid Waste Facility	First Environment, Inc.	Landfill Gas Capture/Combustion	Registered	Coker	ALABAMA	
CAR467	Coffee County Landfill	Sanitary Landfill Gas Collection System		Landfill Gas Capture/Combustion	Listed	Coffee County	ALABAMA	
CAR399	EcoSecurities International Limited	Granger Decatur Landfill Gas Destruction Project	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Trinity	ALABAMA	
CAR422	Timberline Energy, LLC	Hernando County Landfill Electric generation	SCS Engineers	Landfill Gas Capture/Combustion	Registered	Brooksville	FLORIDA	www.timberlineenergy.com
CAR454	New River Solid Waste Association	New River Regional Landfill	Ryerson, Master and Associates	Landfill Gas Capture/Combustion	Listed	Railford, Union County	FLORIDA	
CAR466	Dalton-Whitfield Reg Solid Waste Mgt Authority	Dalton-Whitfield Landfill Project		Landfill Gas Capture/Combustion	Listed	Whitfield County	GEORGIA	N/A
CAR499	Dougherty County Georgia	Dougherty County Landfill		Landfill Gas Capture/Combustion	Listed	Dougherty County, near Albany	GEORGIA	www.albany.ga.us
CAR476	Sustainable Energy Solutions LLC	Eagle Point Landfill	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Ball Ground, Forsythe County, Georgia	GEORGIA	
CAR498	Sustainable Energy Solutions LLC	Wolf Creek Landfill		Landfill Gas Capture/Combustion	Listed	Twiggs County, Dry Branch	GEORGIA	
CAR470	G2 Energy Environmental, LLC	Methane Gas destruction system at Milner Butte Landfill		Landfill Gas Capture/Combustion	Listed	Burley, Idaho	Cassia County IDAHO	
CAR432	Trinity Carbon Management, LLC	St. Landry Parish Sanitary Landfill	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Washington	LOUISIANA	
CAR448	TerraPass	Tri-Community Recycling and Sanitary Landfill		Landfill Gas Capture/Combustion	Listed	Fort Fairfield, ME	MAINE	

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CAR411	TerraPass	Beulah Municipal Landfill (Dorchester County, MD)		Landfill Gas Capture/Combustion	Listed	Hurlock	MARYLAND	
CAR486	TerraPass	Worcester County Central Landfill Gas-to-Energy Project		Landfill Gas Capture/Combustion	Listed	Newark, MD	MARYLAND	
CAR443	Kent County Department of Public Works	South Kent Landfill Gas to Energy Project	NSF International Strategic Registrations	Landfill Gas Capture/Combustion	Listed	Byron Center, Kent County, MI	MICHIGAN	
CAR451	East Central Solid Waste Commission	East Central Sanitary Landfill Voluntary GCCS	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Mora	MINNESOTA	www.ecswc.cog.mn.us
CAR465	GTR Solid Waste Management Authority	GTR Solid Waste Landfill		Landfill Gas Capture/Combustion	Listed	Oktribeha/Clay county near Starkville MS	MISSISSIPPI	
CAR435	Element Markets	Northeast Mississippi Landfill	SGS Environmental Services, Inc.	Landfill Gas Capture/Combustion	Listed	Walnut	MISSISSIPPI	
CAR423	Timberline Energy, LLC	Butler County Landfill Pipeline Project	SCS Engineers	Landfill Gas Capture/Combustion	Registered	David City	NEBRASKA	timberlineenergy.com
CAR455	TerraPass	LP Gill Landfill Gas Recovery Project	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Jackson	NEBRASKA	http://www.terrapass.com/projects/detail
CAR480	PPL EnergyPlus, LLC	Colebrook Landfill		Landfill Gas Capture/Combustion	Listed	Coos County, Colebrook	NEW HAMPSHIRE	
CAR424	Chautauqua County	Chautauqua County	First Environment, Inc.	Landfill Gas Capture/Combustion	Registered	Ellery, New York	NEW YORK	
CAR471	Casella Waste Systems	Clinton County Landfill Methane Destruction Project	SCS Engineers	Landfill Gas Capture/Combustion	Listed	Morrisonville, NY	NEW YORK	
CAR398	EcoSecurities International Limited	Development Auth of North County (DANC) LFG Destruction Project	First Environment, Inc.	Landfill Gas Capture/Combustion	Registered	Rodman, NY	NEW YORK	
CAR447	MP Orange, LLC	Orange County Landfill Gas to Energy Project		Landfill Gas Capture/Combustion	Listed	Goshen, NY	NEW YORK	
CAR405	County of Oswego Frank Visser, Director of SWM	Oswego County NY Landfill Gas Flare Project		Landfill Gas Capture/Combustion	Listed	Fulton, NY	NEW YORK	
CAR452	Steuben County	Steuben County Landfill Gas Flaring project	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Bath	NEW YORK	www.steubencony.org
CAR468	DTE Biomass Energy	Davidson County Landfill Gas Destruction Project	NSF International Strategic Registrations	Landfill Gas Capture/Combustion	Listed	Davidson County, Lexington, NC	NORTH CAROLINA	
CAR475	EcoSecurities International Limited	Gaston County Landfill Gas Destruction Project	DNV	Landfill Gas Capture/Combustion	Listed	Gaston County, Dallas, NC	NORTH CAROLINA	
CAR482	MP Wilson LLC	MP Wilson Landfill Gas Project		Landfill Gas Capture/Combustion	Listed	Wilson County	NORTH CAROLINA	www.methanepower.net
CAR426	TerraPass	Robeson County Landfill	Ryerson, Master and Associates	Landfill Gas Capture/Combustion	Registered	St. Pauls	NORTH CAROLINA	
CAR446	The City of Fargo Solid Waste Division	City of Fargo	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Fargo	NORTH DAKOTA	
CAR444	Element Markets	Erie County Landfill	DNV	Landfill Gas Capture/Combustion	Listed	Milan	OHIO	
CAR459	Montauk Energy Capital, LLC	American Environmental Landfill (AEL)	SGS Environmental Services, Inc.	Landfill Gas Capture/Combustion	Listed	Sand Springs (Osage County) near Tulsa	OKLAHOMA	www.montaukenergy.com

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CAR456	TerraPass	Blue Ridge Landfill	Ryerson, Master and Associates	Landfill Gas Capture/Combustion	Listed	Scotland, PA	PENNSYLVANIA	
CAR445	Lancaster County Solid Waste Management Authority	LCSWMA Landfill Gas-to-Energy Project	Ryerson, Master and Associates	Landfill Gas Capture/Combustion	Listed	Conestoga	PENNSYLVANIA	www.lcswma.org
CAR495	Greenville Gas Producers, LLC	Greenville County Landfill Gas Utilization Project	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Greenville County, Greer	SOUTH CAROLINA	
CAR469	MP Greenwood LLC	MP Greenwood Landfill Gas to Energy Project		Landfill Gas Capture/Combustion	Listed	Greenwood Co, Greenwood, 1 Mi. N of Greenville	SOUTH CAROLINA	www.methanepower.net
CAR462	TerraPass	Sioux Falls Regional Sanitary Landfill	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Minnehaha County	SOUTH DAKOTA	www.terrapass.com
CAR436	Element Markets	Volunteer Regional Landfill	SGS Environmental Services, Inc.	Landfill Gas Capture/Combustion	Listed	Oneida	TENNESSEE	
CAR439	Blue Source	Camelot Landfill	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Lewisville	TEXAS	
CAR409	Montauk Energy Capital, LLC	McKinney Landfill	SGS Environmental Services, Inc.	Landfill Gas Capture/Combustion	Registered	Dallas, Texas	TEXAS	www.montaukenergy.com
CAR481	East Texas Renewables	Southtex Greenwood Farms		Landfill Gas Capture/Combustion	Listed	Tyler, TX, Smith County	TEXAS	
CAR434	DTE Biomass Energy	The Denton Landfill Gas Destruction Project	SGS Environmental Services, Inc.	Landfill Gas Capture/Combustion	Registered	Denton Municipal Landfill	TEXAS	
CAR473	Wasatch Integrated Waste Management District	Davis Landfill Methane Offset Project	SCS Engineers	Landfill Gas Capture/Combustion	Listed	Layton, Utah	UTAH	www.wasatchenergy.com
CAR400	EcoSecurities International Limited	Granger South Jordan Landfill Gas Destruction Project	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	West Jordan City	UTAH	
CAR457	SCC Americas LLC	Charleston Landfill Gas Utilization Project	First Environment, Inc.	Landfill Gas Capture/Combustion	Listed	Charleston, West Virginia	WEST VIRGINIA	
CAR485	SCC Americas LLC	The Greenbrier Landfill Project		Landfill Gas Capture/Combustion	Listed	Lewisburg, West Virginia	WEST VIRGINIA	
CAR406	City of Superior	Moccasin Mike Landfill Gas Project		Landfill Gas Capture/Combustion	Listed	Superior	WISCONSIN	
CAR461	California Bioenergy, LLC	Bakersfield I		Livestock Gas Capture/Combustion	Listed	Kern County	CALIFORNIA	
CAR417	RCM International LLC	Castelanelli Bros Dairy		Livestock Gas Capture/Combustion	Listed	Lodi, CA	CALIFORNIA	
CAR393	Grey K Trading Limited	Cottonwood Dairy Livestock Gas Capture Project	DNV	Livestock Gas Capture/Combustion	Registered	Merced County	CALIFORNIA	
CAR414	BioEnergy Solutions, LLC	Pier Vander Hoek Dairy		Livestock Gas Capture/Combustion	Listed	15886 S. Lassen Ave., Helm	CALIFORNIA	www.albioenergy.com
CAR394	BioEnergy Solutions, LLC	Vintage Dairy	First Environment, Inc.	Livestock Gas Capture/Combustion	Listed	12103 W Elkhorn Avenue, Riverdale	CALIFORNIA	
CAR402	Cargill Environmental Finance	Dry Creek Dairy Farm Methane Capture, Reduction and Use	First Environment, Inc.	Livestock Gas Capture/Combustion	Listed	Hansen	IDAHO	
CAR397	EcoSecurities International Limited	Intrepid Tech Resources, Anaerobic Digester-Whitesides Dairy Farm	First Environment, Inc.	Livestock Gas Capture/Combustion	Registered	Wendell	IDAHO	

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CAR396	EcoSecurities International Limited	Intrepid Tech Resources, Anaerobic Digester-Whitesides Dairy Farm	First Environment, Inc.	Livestock Gas Capture/Combustion	Registered	Rupert	IDAHO	
CAR440	Environmental Credit Corp.	Bos Dairy		Livestock Gas Capture/Combustion	Listed	Fair Oaks, IN	INDIANA	N/A
CAR477	Camco International	Fair Oaks Dairy Farm LLC Cyclus-Designed Digester		Livestock Gas Capture/Combustion	Listed	Fair Oaks	INDIANA	
CAR478	Camco International	Fair Oaks Dairy Farm LLC GHD-Designed Digester		Livestock Gas Capture/Combustion	Listed	Fair Oaks	INDIANA	
CAR487	Environmental Credit Corp.	Herrera Dairy		Livestock Gas Capture/Combustion	Listed	Jasper County, Fair Oaks	INDIANA	N/A
CAR489	Environmental Credit Corp.	Hidden View Dairy		Livestock Gas Capture/Combustion	Listed	Jasper County, Rensselaer	INDIANA	N/A
CAR488	Environmental Credit Corp.	Windy Ridge Dairy		Livestock Gas Capture/Combustion	Listed	Jasper County, Fair Oaks	INDIANA	N/A
CAR412	Camco International	Green Meadows Farm		Livestock Gas Capture/Combustion	Listed	Shiawassee	MICHIGAN	
CAR418	TerraPass	Scenic View Dairy I	Ryerson, Master and Associates	Livestock Gas Capture/Combustion	Listed	Fennville	MICHIGAN	www.terrapass.com/projects/
CAR419	TerraPass	Scenic View Dairy II	Ryerson, Master and Associates	Livestock Gas Capture/Combustion	Listed	Freeport	MICHIGAN	www.terrapass.com/projects/
CAR463	Camco International	Willow Point Dairy, LLC		Livestock Gas Capture/Combustion	Listed	Western Michigan near Grand Rapids	MICHIGAN	
CAR449	Greenhouse Gas Services, LLC	Riverview Farm Anaerobic Digester Project		Livestock Gas Capture/Combustion	Listed	Minnesota	MINNESOTA	NA
CAR450	Greenhouse Gas Services, LLC	West River Farm Anaerobic Digester Project		Livestock Gas Capture/Combustion	Listed	Morris	MINNESOTA	NA
CAR483	Androscoggin Valley Regional Refuse Disposal Dist	Mt. Carberry Landfill		Livestock Gas Capture/Combustion	Listed	Berlin	NEW HAMPSHIRE	
CAR464	Environmental Credit Corp.	Noblehurst Farms, Inc.		Livestock Gas Capture/Combustion	Listed	Linwood, Livingston County	NEW YORK	N/A
CAR490	RCM International LLC	Sunny Knoll Farms		Livestock Gas Capture/Combustion	Listed	Wyoming County	NEW YORK	www.rcminternationalllc.com
CAR474	Camco International	Bridgewater Dairy LLC		Livestock Gas Capture/Combustion	Listed	Montpelier (Williams County)	OHIO	
CAR433	RCM International LLC	Reinford Farms		Livestock Gas Capture/Combustion	Listed	RR4 Box 4756 Mifflintown PA, 17059	PENNSYLVANIA	
CAR416	The Climate Trust	Farm Power Rexville Regional Digester		Livestock Gas Capture/Combustion	Listed	Mount Vernon	WASHINGTON	
CAR441	TerraPass	George DeRuyter & Sons Dairy		Livestock Gas Capture/Combustion	Listed	Outlook	WASHINGTON	
CAR479	Camco International	Central Sands Dairy LLC		Livestock Gas Capture/Combustion	Listed	Nekoosa	WISCONSIN	