

Offset Project Type	Offsets Issued Median (Min – Max) (metric tons CO ₂ e in 2013)	Location and Number of Projects (as of 2013)	Offset Project Example Project Title – Project Start Date Project Developer – Location Project Description	Cost Range (\$/t CO₂e)	
Methane Destruction	Landfill Gas	25,596 (217 – 140,053)	88 projects MN, NC, VA, NE, FL, LA, CA, KT, WV, WA, GA, OR, TX, SC, MD, CO, MO, PA, TN, OH, AL, WI, NE, MT, MS, UT	Kimble Sanitary Landfill Gas Project – 2009^d <i>Kimble Company - Ohio</i> Collection of landfill gas from old closed portion of landfill operation beginning 12/28/2009. Gas is collected and destroyed using an open flare system.	\$1/2 – 3/4 ^j
	Livestock	10,011 (511 – 46,703)	44 projects IN, WI, OH, MI, VA, WA, NC, NY, CA, ID, MN	Farm Power Rexville Regional Digester - 2009^e <i>The Climate Trust – Washington</i> Installation of new manure digester that will capture and combust methane and generate electricity sold to the grid. Under the project manure from two dairy farms is collected in the digester. Previously the farms collected manure in uncovered lagoons where methane was released to the atmosphere.	[TBD]
	Coal Mine Methane	60,854 (227 – 134,940)	5 projects WY, CO, AL, WV	Elk Creek Coal Mine Methane Destruction & Utilization Project – 2012^f <i>Vessels Coal Gas, Inc. – Colorado</i> Previously methane drained from the coal mine was vented to the atmosphere. Under the project, methane is collected and combusted to generate electricity.	[TBD]
Industrial Gases	Ozone Depleting Substances (ODS)	100,189 (23,276 – 130, 010)	14 projects AK, OH, CA	EOS 2013 Domestic – 2011^g <i>EOS Climate Inc. – Arkansas</i> The project collected ODS refrigerant gases and destroyed them in an incineration plan in Arkansas.	[TBD]
	N₂O abatement at Nitric Acid facilities	207,493 (503 – 568,560)	6 projects MS, TX, OK, IL	EI Dorado Nitrogen, LP - Nitrous Oxide Abatement Project – 2010^h <i>LSB Industries, Inc. – Texas</i> The project involves the installation of a catalyst to reduce N ₂ O emissions generated as a byproduct of nitric acid production at a facility in Texas. The installation of the catalyst results in a reduction	[TBD]

				in N2O emissions that would have otherwise been vented to the atmosphere.	
Forestry	Avoided Conversion	13,042 (5,493 – 67,592)	5 projects NC, SC	Pungo River Forest Conservation Project - 2003 <i>Blue Source – North Carolina</i> Avoided conversion of 704 acres of mixed pine and bottomland hardwoods. Land was cleared, ditched, drained, and used for agriculture 40 years ago. Forests have naturally regenerated since. Conservation easement signed with USDA in 2003. ^b	\$8 – 11/12 ⁱ
	Improved Forest Management	5,633 (564 – 2,163,951)	17 projects CA, ME, NH, VA, TN, MI	Virginia Conservation Forestry Program - Clifton Farm – 2003^c <i>The Nature Conservancy – Virginia</i> Ownership and management of the timber resources on the 4069 acre mixed pine hardwood forest property was transferred to the Nature Conservancy in 2003. The land was intensively managed for timber and livestock production before the conservation easement was acquired by the Nature Conservancy in 2003	
Renewable Energy	Biomass/ Biogas	10,146 (2,278 - 589,125)	95 projects China, Honduras, India, Indonesia, Vietnam	Sichuan Rural Poor-Household Biogas Development Programme The project will install household biogas digesters in low-income homes in the Sichuan province. Currently, households in the area use coal cooking. The biogas digesters will recover methane from animal manure and use it for cooking to replace coal use.	[TBD]
	Solar/Wind/ small-hydro	55,000 (1461 - 57230)	125 projects Bolivia, China, India, Indonesia, Madagascar, Malawi, Nepal, Nicaragua , Peru, Turkey	Rural Education for Development Society (REDS) CDM Photovoltaic Lighting Project – 2009 <i>India</i> This project installed 180,000 Photovoltaic Lamps in 60,000 non-electrified homes in rural India.	[TBD]
Energy Efficiency	Improved Cookstove	26,696 (4,000 – 3,194,906)	60 projects Brazil, Cameroon, Eritrea, Ghana, Guatemala, Honduras, India, Kenya, Lesotho, Mali, Mongolia, Nepal, Nigeria, Peru, Rwanda, South Africa, Sudan, Tanzania, Uganda	Darfur Efficient Cook-stove Project The project replaces traditional wood and charcoal stoves with energy-efficient liquefied petroleum gas (LPG) cook stoves.	\$8 - 12