

Date

May 13, 2010

Term **Emissions reduction** (Emission reductions/ Emissions reductions/ Emission reduction)

Proposed by

Citation(s)

Definition

A voluntary emission reduction is an emission reduction that has been achieved outside of compulsion. In other words, the person carrying out the activity was not obliged to do so but choose to do so voluntarily. Voluntary Emissions Reductions (VERs) are carbon credits developed by carbon offset providers which are not certified.

Certification of carbon credits (Certified Emissions Reductions) are backed by an international framework and institutions, for example under the UN's Clean Development Mechanism, to ensure that real greenhouse gas emission reductions take place, as well as providing a clear audit trail. Voluntary offset schemes can be defined as those aimed at generating GHG emissions reductions not required by Kyoto Protocol's derived regulation. Through these schemes, industries and individuals voluntarily compensate their emissions or provide an additional contribution to mitigating climate change.
(http://en.wikipedia.org/wiki/Voluntary_Emissions_Reduction)

Certified Emission Reductions (CERs) are climate credits (or carbon credits) issued by the Clean Development Mechanism (CDM) Executive Board for emission reductions achieved by CDM projects and verified by a DOE under the rules of the Kyoto Protocol. CERs can be used by Annex 1 countries in order to comply with their emission limitation targets or by operators of installations covered by the European Union Emission Trading Scheme (EU ETS) in order to comply with their obligations to surrender EU Allowances, CERs or Emission Reduction Units (ERUs) for the CO2 emissions of their installations. CERs can be held by governmental and private entities on electronic accounts.

CERs are either long-term (ICER) or temporary (tCER), depending on the likely duration of their benefit. Both types of CER can be purchased from the primary market (purchased from original party that makes the reduction) or secondary market (resold from a marketplace). At present, most of the approved CERs are recorded in CDM Registry accounts only. It is only when the CER is actually sitting in an operator's trading account that its value can be monetized through being traded. The UNFCCC's International Transaction Log has already validated and transferred CERs into the accounts of some national climate registries, although European operators are waiting for the European Commission to facilitate the transfer of their units into the registries of their Member States.
(http://en.wikipedia.org/wiki/Certified_Emission_Reduction)

Scope note (if needed)

Notational code **Jfgybc**

Broader term **Air quality management (Jfgyb)**

Narrower term

Associative relationships

Related terms:

Cross-references:

USE/UF terms

Variant forms

Homographs

Usage/Warrant/Statistics (# of hits/search results for term in quotes, e.g., "automobile factories")

- Search term, variants, and/or synonyms identified if necessary
- Use a minimum of five sources
- Note currency of term usage

CATALOGS	TI	KW	SU	AB
NTL Digital Repository	2 (1/0/4)	145 (125/138/142)	2 (0/0/2)	1 (2/7/6)
VDOT OneSearch				
DOT HQ	2 (1/1/1)	2 (1/1/1)	0 (0/0/0)	2 (1/1/1)
FHWA	- (-/-/-)	- (-/-/-)	- (-/-/-)	- (-/-/-)
NUCAT (NUTL)	3 (6/4/17)	8 (10/6/22)	0 (0/0/0)	2 (1/1/1)
TranWeb (NUTL)	14 (5/5/7)	18 (9/9/15)	0 (0/0/0)	0 (0/1/2)
NTIS	6 (10/2/11)	31 (8/1/11)	31 (8/1/11)	2 (52/29/70)
TRIS Online	32 (18/16/40)	156 (142/93/230)	25 (0/0/25)	115 (127/81/186)
UMTRI	- (-/-/-)	- (-/-/-)	- (-/-/-)	- (-/-/-)
RiP	- (-/-/-)	- (-/-/-)	- (-/-/-)	- (-/-/-)
VDOT	5 (5/5/5)	10 (10/10/10)	0 (0/0/0)	10 (10/10/10)
WorldCat	1,042 (645/400/1,872)	2,143 (1,921/1,186/4,293)	129 (83/33/450)	2,143 (1,921/1,186/4,293)
Google StateDOT				
Google Scholar				
Other thesauri, taxonomies, or schemes LCSH Taxonomy Warehouse				

Other/Comments

Action Add - Update _ Decline
 Remove - Park

Type Preferred term _ Non-preferred term