



Verified Carbon Units Certificate of Retirement

APX, Inc., in its capacity as operator and administrator of the APX VCS Registry (the "Registry"), does hereby certify that on 10/2/2019 4:22:45 PM Verified Carbon Units ("VCUs") have been retired on the Registry on behalf of:

Research to Action: The Science of Drawdown Conference

Total VCUs retired 8

The Retirement consists of the following VCUs:

Project Name	VCU Serial Numbers
TW Ghana ODS Project	6345-295931575-295931582-VCU-043-APX-GH-5-1752-11092018-12092018-0

Details on this retirement can be found in the Public Retirement Report on the APX VCS Registry website.

Environmental Benefit; 8 carbon offset credits have been retired on behalf of the Research to Action: The Science of Drawdown Conference. These credits were created by Tradewater through the collection and destruction of old refrigerants. The number of credits generated offsets the travel of participants to the conference. The project type for these credits is consistent with the #1 strategy for mitigating climate change as described in Drawdown.

Joe Varnas, APX CEO