



THE UNIVERSITY OF TEXAS AT AUSTIN

Utilities and Energy Management Department

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May 31, 2016

US Green Building Council
Washington, DC

**Re: The University of Texas at Austin
LEED v4 Energy & Atmosphere Prerequisite 4
CFC-free Confirmation**

To Whom It May Concern:

The University of Texas at Austin Main Campus currently operates, as part of its district energy system, a network of central chilling stations. For compliance with the *LEED v4 Energy & Atmosphere Prerequisite 4: Fundamental Refrigerant Management*, The University of Texas at Austin confirms that all chillers operated within the chilling stations are CFC-free.

The University of Texas Utilities & Energy Management Department began in 2006 a phase-out plan of all CFC based chillers. The University eliminated all CFCs in campus chillers by February 2015. In addition, through the implementation of a refrigerant leak detection and management system, the CFC leakage rate through phase-out completion was maintained below 5% annually and meets the requirements of EPA Title VI, Rule 608.

A handwritten signature in blue ink, appearing to read "Juan Ontiveros".

Juan Ontiveros, P.E.
Associate Vice President
Utilities, Energy & Facilities Management
The University of Texas at Austin

EAp4 – Fundamental Refrigerant Management

UT UEM Chilling System Overview

The University of Texas at Austin Main Campus receives chilled water service through a district energy system operated by the Utilities & Energy Management Department. Chilled water is produced through the use of eighteen chillers operated within five chilling stations across campus, utilizing several refrigerants including HFC-134a and HCFC-22. This current arrangement is outlined in the table below.

**The University of Texas Utilities & Energy Management
Central Chilled Water System Overview**

Chiller	Capacity (Tons)	Refrigerant Type	Charge (lbs)
3.1	5000	R-134a	16232
3.2	3000	R-134a	13000
3.3	3000	R-134a	13000
4.2	3000	R-134a	13000
4.3	3000	R-134a	13000
5.1	4000	R-22	15922
5.2	4000	R-22	15922
5.3	5000	R-134a	16232
6.1	5000	R-134a	18238
6.2	5000	R-134a	18238
6.3	5000	R-134a	18238
7.1	2500	R-134a	6600
7.2	2500	R-134a	6600
7.3	2500	R-134a	6600
7.4	2500	R-134a	6600
7.5	2500	R-134a	6600
7.6	2500	R-134a	6600
HPC7.1	600	R-134a	4000