



GreenChill Store Certification Protocol for Sub-Cooling Contained on Racks Separate from Refrigeration Equipment

The following document describes the protocol used to determine the total load and refrigerant charge of stores that have placed all sub-cooling on a rack separate from all other commercial refrigeration equipment.

How to Report Your Store's Total Load (MBTU/Hr.):

As described in the [GreenChill Store Certification Program Guidance](#), a store's total load shall include all BTUs associated with refrigeration. It **SHALL NOT** include sub-cooling, heat of rejection, pump heat, or any BTUs associated with air conditioning loads.

Even if sub-cooling is contained on a rack separate from the racks containing the commercial refrigeration equipment, the load associated with sub-cooling **SHALL NOT** be included in the store's total load. This is standard practice for reporting all sub-cooling loads.

How to Report your System's Refrigerant Charge:

A store's refrigerant charge is the total pounds of refrigerant that are charged into a store's commercial refrigeration equipment. Even if sub-cooling is contained on a rack separate from the racks containing the commercial refrigeration equipment, the charge associated with sub-cooling **SHALL** be included in the store's total refrigerant charge.

Please direct any questions to GreenChill@epa.gov.