Install a Self-contained High Efficiency Refrigerated Display Cabinet: Commercial Only	Activity No.
	RDC1

1. ACTIVITY SPECIFIC DEFINITIONS

Refrigerated Display Cabinet – A cabinet cooled by a refrigerating system which enables chilled and frozen foodstuffs placed therein for display to be maintained within prescribed temperature limits as defined within the scope of the standard AS 1731.

Total display Area - Total visible product storage area, including visible area through the glazing, defined by the sum of horizontal and vertical projected surface areas of the net volume as defined in AS 1731.14, Appendix D and as listed in the eligible product GEMS registration - refer also to the guidance note below.

M-package temperature class - Classification of M-package temperature according to temperatures to warmest and coldest M-packages during the temperature test defined in AS 1731.5 - refer also to the guidance note below.

2. ACTIVITY DESCRIPTION (SUMMARY)

Installing a refrigerated display cabinet that is rated as 'high efficiency' within the meaning of the AS 1731 series of standards.

3. ACTIVITY ELIGIBILITY REQUIREMENTS

Any commercial site in South Australia where the installed product requirements and minimum installation requirements can be met.

4. PRODUCT REQUIREMENTS

(1) The RDC must be rated as 'high efficiency' within the meaning of the AS 1731 series of standards when tested in accordance with the AS 1731 series of standards as applicable; and

(2) The RDC must be listed on the GEMS register of currently approved products and must be classified as “High Efficiency” in the GEMS registration; and

(3) This activity applies only to M-package temperature classes M1, M2, L1 and L2 (as applicable) as defined in the AS 1731 series of standards; and

(4) The activity does not cover the retrofitting of existing refrigeration equipment.

5. MINIMUM INSTALLATION REQUIREMENTS

(1) Installation must be undertaken in strict accordance with the manufacturer’s instructions.

(2) If electrical work is required to be undertaken then this must be performed by a licensed electrical worker under the supervision of a licensed electrical contractor.

(3) If gassing or de-gassing is required to be undertaken then this must be carried out by technicians licensed under the Ozone Protection and *Synthetic Greenhouse Gas Management Act 1989* (Cth).

6. ACTIVITY ENERGY SAVINGS

Normalised Energy Savings (GJ) = TDA x Savings Factor

Where:

TDA = The total display area of the refrigerated Display Cabinet as defined in the AS1731 series of standards and as listed in the eligible product GEMS registration.

Savings Factor = The value as noted in the table below for the particular type of Refrigerated Display Cabinet supplied.

Activity Reference Number	Type of Refrigerated Display Cabinet (as defined in AS1731)	Savings Factor
1	HC1	25.23
2	HC4	34.48
3	VC1	72.74
4	VC2	58.03
5	VC4 - solid door	83.68
6	VC4 - glass door	55.08
7	HF4	58.87
8	HF6	17.66
9	VF4 - solid door	92.09
10	VF4 - glass door	92.09

7. GUIDANCE NOTES (INFORMATIVE ONLY – NOT MANDATORY)

Information on registration data for current models can be obtained at: http://reg.energyrating.gov.au/comparator/product_types/37/search/. Download the CSV file:

Total display area can be found under the column heading “total_dis”

M package temperature class can be found under the column heading “Temp_Class”

High Efficiency Status class can be found under the column heading “High Efficiency”