

New Production Cost Estimates

Appendix C corrects information located on page 3 of the Feasibility Analysis Report Executive Summary, and pages 29 and 30 of the grantee's Final Report, all comprising information about the prospective commercialized cost of the three phase adaptation technology. The new information shows the estimated cost of a commercialized device to be considerable lower than originally estimated. This new information was presented by the Principle Investigator, Dr. Otto Smith, at a forum on March 6, 2002 where the results of this research were presented to Energy Commission staff and the Presiding Member of the Research, Development and Demonstration Committee, Dr. Arthur Rosenfeld. A summary of this new cost information is presented in Table 4.12, as follows.

TABLE 4.12
 COMPONENT PRICES, MODEL 48E:
 MODIFIED 6 MARCH 2002.

COMPRESSOR CARLYLE SRY482AC, RETAIL \$ 300.00

BTU/HOUR	48,420
KW	4.05
EER	11.95

SAVINGS IN LARGE PRODUCTION RUN (OEM) OF COMPRESSOR, 20% OF \$300.00 = \$60.00 EACH SAVINGS.

NET COST AFTER OEM SAVINGS, \$ **240.00**

SAVINGS IN LARGE PURCHASES OF ENABLER™ RUN CAPACITOR COSTS MALLORY, NORTH AMERICAN CAPACITOR COMPANY, OEM, 2,500 QUANTITIES;

C1, 85 MFD	\$ 4.36
C2, 170 MFD	\$ 7.215
C3, 60 MFD	\$ 2.55
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TOTAL COST	\$ 14.13 (=11.8% OF RETAIL).

START COMPONENTS AND CS3 CAPACITOR, OEM PRICE, \$ 0.94

ENABLER™ NEW OEM PRICE **\$15.07**

NEW ENABLER™ 48E SYSTEM PRICE (\$240 + 15.07), **\$ 255.07**

NOTE: CAPACITOR COSTS CAN ALSO POSSIBLY BE FURTHER REDUCED BY CORNELL-DUBLIER PACKAGING IN A SINGLE CAN.

CONVENTIONAL SINGLE-PHASE SYSTEM PRICES

COMPRESSOR	\$269.00
RUN CAPACITOR	\$23.71
FOUR PTC	\$7.80
TOTAL	\$300.51

FUTURE ADDITIONAL PROFIT POTENTIAL: 300.51 - 255.07 = \$ **45.44**