BUILDING AND CONSTRUCTION DEPARTMENT

PROGRAM REVIEW 12 - 13

For the Period of Fall 2010 through Spring 2012

PALO VERDE COLLEGE
ONE COLLEGE DRIVE
BLYTHE, CA 92225

EXECUTIVE SUMMARY

BUILDING TRADES

The Program Review Committee met and reviewed the Building and Construction Technology two-year update on May 7, 2013.

We have accepted the report, with the following findings:

- The report adequately describes the purpose of the program, which is to provide students with skills necessary for working in construction vocations.
- Data shows there is consistent demand for people trained in this area.
- Program meets students' needs as evidenced by degree and certificate completions.
- Program contributes to and benefits from external issues including facilitating the needs of secondary students and construction of solar plants near Blythe, providing local job opportunities.
- FTES income adequately covers expenditures.
- 2-year program goals have been identified and include developing correspondence courses and new curriculum.

PART 1: PURPOSE OF THIS PROGRAM

The purpose of the Building Trades program is to provide students with the latest skills necessary to obtain employment in today's ever changing construction vocations. The Building Trades program develops opportunities for working trades personnel with certificate and degree programs.

PART 2: DEMAND FOR THIS PROGRAM

Projections of Employment by Occupation, 2010 - 2020

Occupations Matched to Top Code(s):

095700 *Civil and Construction Management Technology*

Geography: Riverside-San Bernardino-Ontario MSA

Counties: Riverside County, San Bernardino County

Annual Job Openings by Occupation

SOC Code	Occupation Title (Link to Occupation Profile)	2010 Employment	Annual Job Openings*
471011	First-Line Sup/Mgrs of Construction Trades and Extraction Workers	5,000	490
9071	Maintenance and Repair Workers, General	9,140	291
47-2111	Electricians	4,000	160
SOC49-9021	Heating/Air Conditioning**	20,700	920
472031	Carpenters	10,140	245
	Total	48,980	2,106

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*Total Job Openings are the sum of new jobs from growth plus net replacements. Annual job openings are total job openings divided by the number of years in the projection period.

**Currently Renewable Energy is listed in 49-90

PART 3: QUALITY OF THIS PROGRAM

COMPLETIONS 2010-2011		
Certificate/Degree	**Title**	**Completed**
Degree	Building Technology	1
Certificate	Building Technology	11

COMPLETIONS 2011-2012		
Certificate/Degree	**Title**	**Completed**
Certificate	Building Technology	4

PART 4: EXTERNAL ISSUES

The building trade's program staff and faculty continue to work with the local unified school district to facilitate the needs of our secondary students.
The construction of utility scale solar plants near Blythe has created a need to add a solar class to its curriculum. The building construction department has written curriculum and is offering an Introduction to a Photovoltaic's class.

PART 5: COST OF THIS PROGRAM

SPRING 2010-2011			
Course Code	**Course Title**	**Credit**	**Enrollment**
BCT 102 01	Advanced Framing Techniques	3	15
BCT 200 02	Cabinetry I	3	12
BCT 112 01	Basic Electricity	3	14
BCT 100 01	Introduction to Building Trades	3	13

FALL 2010-2011			
Course Code	**Course Title**	**Credit**	**Enrollment**
BCT 101 01	Rough Carpentry	3	23
BCT 113 01	Basic Plumbing	3	16
BCT 201 01	Cabinetry II	3	21
BCT 110 01	Blue Print Reading	3	20

SPRING 2011-2012			
Course Code	**Course Title**	**Credit**	**Enrollment**
BCT 100 01	Introduction to Building Trades	3	15
BCT 102 01	Advanced Framing Techniques	3	15
BCT 112 01	Basic Electricity	3	17
BCT 210 01	Interior Trim Carpentry	3	17
FALL 2011-2012			
Course Code	**Course Title**	**Credit**	**Enrollment**
BCT 201 01	Cabinetry II	3	13
BCT 101 01	Rough Carpentry	3	17
BCT 110 01	Blueprint Reading	3	21
BCT 200 01	Cabinetry I	3	13
BCT 202 01	Finished Cabinetry	3	1
BCT 113 01	Basic Plumbing	3	18

2010-2011	**Salaries**	**Benefits**	**Supplies**	**Contracts**	**Capital**	**Total**	**FTEs**
BCT	$60,531.00	$18,727.33	$ 15,737.89	$	$ -	$116,188.88	23
VEA	$ -	$ -	$ 20307.09	$ -	$	$	
LOT			$ 885.57				$126,993
2011-2012	**Salaries**	**Benefits**	**Supplies**	**Contracts**	**Capital**	**Total**	**FTEs**
BCT	$68,208.00	$22,523.09	$ 26885.20	$ -	$4359.65	$121,975.94	25
VEA	$ -	$ -	$12,449.66	$ -	$ -	$	
LOT			$ 2635.64				$152,146

PART 6: TWO – YEAR PLAN

During the 2010-2012 academic year, the BCT faculty updated course outlines for the Masonry and Cabinet programs. All other courses have had their Learning Student Outcome added to the new template.

BCT faculty and staff will continue to work with the counseling department to ensure all students will receive matriculation service and have educations plans that will reflect their individual goals. These contacts should increase degrees and certificates for the next two years.

The Photovoltaic course had a 16 student enrollment and had numerous inquiries for future classes. Our solar program will continue to grow in the next two years.

BCT correspondence courses are being developed. This will help increase the FTE's from the prison population.

BCT is in the process of purchasing granite tools and equipment for our new masonry program. Money to purchase these stations will come from VTEA funding designated for course improvement and curriculum development.