



Contra
Costa
County

To: Board of Supervisors
From: Jessica Hudson, County Librarian
Date: November 17, 2015

Subject: Grant to Library from Pacific Library Partnership

RECOMMENDATION(S):

APPROVE and AUTHORIZE the County Librarian, or designee, to apply for and accept a grant in the amount of \$15,000 from the Pacific Library Partnership to create a Regenerative, Self-Assembling Open-Source 3D Printing System for the period of January 1, 2016 through December 31, 2016.

FISCAL IMPACT:

No Library Fund match. The cost of a new 3D printer is approximately \$450. The cost for the 3D printer to regenerate itself once is about \$60 (which includes the cost of the tools purchased as well as the filament). Labor for assembly will be provided by library staff at no additional cost as part of a public education program.

BACKGROUND:

The Contra Costa County Library is requesting funds from the Pacific Library Partnership to support the creation of a Regenerative, Self-Assembling Open-Source 3D Printing System. In order to ensure universal patron access to technology and to keep current with popular innovations, the Contra Costa County Library plans to have a 3D printer in every

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY ADMINISTRATOR

☐ RECOMMENDATION OF BOARD COMMITTEE

Action of Board On: 11/17/2015 ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

VOTE OF SUPERVISORS

AYE: John Gioia, District I Supervisor
Candace Andersen, District II Supervisor
Mary N. Piepho, District III Supervisor
Karen Mitchoff, District IV Supervisor
Federal D. Glover, District V Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: November 17, 2015

David Twa, County Administrator and Clerk of the Board of Supervisors

By: Chris Heck, Deputy

Contact: Alison McKee,
925-927-3290

cc:

community library available for patron use, library programming, and small-scale fabrication of replacement parts. This grant will allow the Library to purchase the components to construct a RepRap “Prusa Mendel i2” 3D printer. One of these printers can produce an identical copy of itself using 3D printing files freely available online, which will allow the Library to equip all 26 community libraries of the Contra Costa County Library with a 3D printer.

CONSEQUENCE OF NEGATIVE ACTION:

The Contra Costa County Library will not be able to purchase a RepRap “Prusa Mendel i2” 3D printer that will create 25 copies of itself, one for each community library.

CHILDREN'S IMPACT STATEMENT:

This grant will support the outcomes **Children Ready for and Succeeding in School and Communities that are Safe and Provide a High Quality of Life for Children and Families.** Having a 3D printer permanently located at every branch as regular library equipment will make 3D printing available for ordinary patron use and help facilitate creativity, design, and STEM/STEAM education as well as spur innovation through providing universal public access to emerging technology. This program will also offer valuable electronics and mechanical assembly experience and science-based literacy to volunteers and other participants that will enrich their lives and enhance their future job opportunities with hands-on experience through library programming.