MEMORANDUM

TO: Dr. Carlson, President, Chabot College

FROM: Rajinder S. Samra, Research Analyst, Institutional Research

DATE: August 10, 2007

SUBJECT: *Research Request Regarding Acquisition of the San Leandro Facility*

I am happy to provide the information that is related to the acquisition of the San Leandro facility. This request addresses four areas: district growth potential, assessments of educational and facility needs, official projections of future enrollments at the San Leandro facility, and assessment of needs and preferences. I've included a brief summary of the findings below. Please see the attached charts and tables for more details.

1) *District Growth Potential*

Our district is projected to grow by 34 percent between Fall 2007 and Fall 2015. It appears that most of the growth will occur at Las Positas College. Please pages 1 and 2.

2) *Assessments of Educational and Facility Needs*

I've provided a list of occupations with the highest projected job openings in Alameda County that require an AA/AS or vocational degree. This labor market information can be used to determine program and employer needs. Chabot offers programs that prepare students for many of the listed occupations. Please see pages 3 and 4.

3) *Official Projections of Future Enrollment at the San Leandro Facility*

I've contacted the state's Chancellor's Office for assistance in using the appropriate methodology to project enrollments at the San Leandro facility. I am currently waiting to hear back from them. In the meantime, I've identified the primary service area (i.e., all of the zip codes in San Leandro, San Lorenzo, and Castor Valley) for the San Leandro facility by using the official guidelines. I've included projections of population and attendance at Chabot College from the area that will primarily serve the San Leandro facility. Please see page 5.

4) Assessment of Needs and Preferences

There are six areas within this category:

    a. Adequate identification of the community area and characteristics of individuals to be served.

    I've provided the characteristics of Fall 2006 students from the San Leandro facility's primary service area (i.e., San Leandro, San Lorenzo, and Castro Valley). I've also provided the race-ethnicity of the population living in the primary area that will use the San Leandro facility. Please see pages 6 and 7.

    b. Projection of potential enrollment demand in the service area that demonstrates significant unmet needs, taking into account plans of nearby secondary and postsecondary institutions.

    Please see page 5.

    c. Evidence of significant community support and identification of possible community opposition.

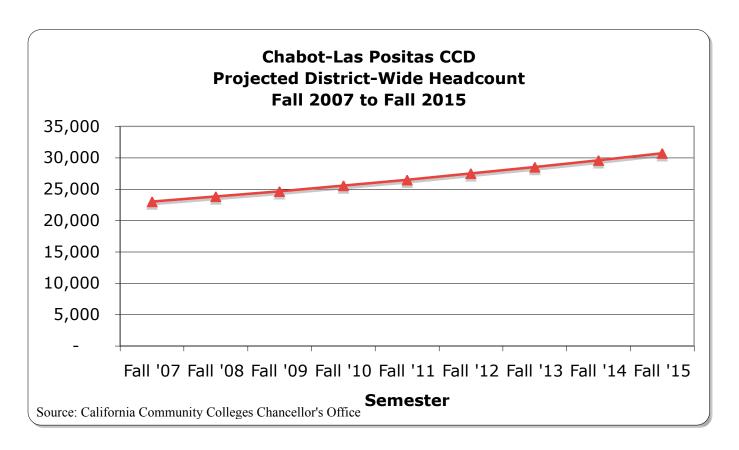   I'm unable to determine this.

    d. Identification, insofar as possible, of present and future labor market requirements for the proposed service area, a broader adjacent region, and the state.

    Please see pages 3 and 4 for the future labor market needs for Alameda County.

    e. A reconciliation of educational services with projected labor market requirements and community program preferences, if possible.

    I'm unable to determine this.

Please feel free to contact me if you have any questions.

Chabot-Las Positas CCD
Projected District-Wide Headcount
Fall 2007 to Fall 2015

Semester	District-Wide Headcount
Fall '07	22,997
Fall '08	23,809
Fall '09	24,661
Fall '10	25,552
Fall '11	26,492
Fall '12	27,476
Fall '13	28,512
Fall '14	29,595
Fall '15	30,727

Key Finding: Headcount for the Chabot-Las Positas CCD is projected to increase by 34 percent between Fall 2007 and Fall 2015.

Projections of total population and attendance at Chabot College and Las Positas College by age: 2002-2015

Chabot College Service Area: Chabot cities are Castro Valley, Hayward, San Leandro, San Lorenzo, and Union City.

	Estimate in 2002 Chabot Cities	Fall 2002 Chabot	Estimate in 2007 Chabot Cities	Projection Fall 07 Chabot	Projection 2010 Chabot Cities	Chabot	Projection 2015 Chabot Cities	Chabot
0-14	80,339	51	75,476	48	79,728	51	82,458	52
15-19	25,113	2,577	25,505	2,617	26,215	2,690	23,155	2,376
20 to 24 years	24,852	3,010	26,876	3,255	26,794	3,245	28,860	3,495
25 to 29 years	28,517	1,303	23,101	1,056	23,918	1,093	26,806	1,225
30 to 34 years	30,226	976	26,951	870	23,918	772	24,737	799
35 to 39 years	32,040	730	32,281	736	27,905	636	24,737	564
40 to 49 years	57,334	1,297	60,578	1,370	62,268	1,409	57,721	1,306
50+	98,277	1,313	115,505	1,543	127,565	1,704	148,424	1,983
Chabot Cities Total	376,698	11,257	385,017	11,495	398,640	11,600	412,290	11,800
Overall Participation Rate in Chabot Cities	3.0%		3.0%		2.9%		2.9%	
Overall Headcount Total		16,339		16,685		16,837		17,127

Las Positas College Service Area: Las Positas cities are Dublin, Livermore, and Pleasanton.

	Estimate in 2002 Las Positas Cities	Fall 2002 Las Positas	Estimate in 2007 Las Positas Cities	Projection Fall 07 Las Positas	Projection 2010 Las Positas Cities	Las Positas	Projection 2015 Las Positas Cities	Las Positas
0-14	40,331	38	38,271	36	41,380	39	44,740	42
15-19	10,945	1,759	12,933	2,079	13,606	2,187	12,563	2,019
20 to 24 years	8,341	1,298	13,628	2,121	13,907	2,164	15,659	2,437
25 to 29 years	11,396	453	11,714	466	12,414	493	14,544	578
30 to 34 years	15,312	391	13,666	349	12,414	317	13,422	343
35 to 39 years	19,131	364	16,369	311	14,483	276	13,422	255
40 to 49 years	32,150	705	30,717	674	32,318	709	31,318	687
50+	38,896	969	58,569	1,459	66,208	1,649	80,532	2,006
LPC Cities Total	176,502	5,977	195,230	7,494	206,900	7,834	223,700	8,367
Overall Participation Rate in LPC Cities	3.4%		3.8%		3.8%		3.7%	
Overall Headcount Total		8,588		10,768		11,256		12,022

Alameda County population projections by age distribution

	2007	2010	2015
0-14	20%	20%	20%
15-19	7%	7%	6%
20 to 24 years	7%	7%	7%
25 to 29 years	6%	6%	7%
30 to 34 years	7%	6%	6%
35 to 39 years	8%	7%	6%
40 to 49 years	16%	16%	14%
50+	30%	32%	36%

Sources: Association of Bay Area Governments (ABAG) *Projections 2005.*
US Census Bureau, CA Department of Finance, CCbenefits <http://www.ccbenefits.com>,
& Chabot-Las Positas Institutional Research Dataset.

Assumptions:
1) Total 2002 & 2007 population estimates for Chabot and Las Positas cities are from the California Department of Finance.
2) Total 2010 and 2015 population projections in Chabot cities and Las Positas cities are based on ABAG projections by city.
3) Population estimates by age in Chabot and Las Positas cities for 2002 are based on US Census Bureau age distribution in 2000.
4) Population projections by age in Chabot and Las Positas cities are based on age distribution of CCbenefits population projections for Alameda County as a whole in 2007, 2010, and 2015.
5) College age projections for 2007, 2010, & 2015 are based on the participation rate by age in 2002. Please note that overall participation rates change as population age distributions change in 2007, 2010, & 2015.
6) Total college enrollment projections are the total of all projected age groups.

1. Occupations with the highest projected job openings in Alameda County requiring an AA/AS or vocational degree: 2006 to 2017

Occupation	Number of Job Openings	Median Wage	Occupational program(s) at Chabot
Registered nurses	6,239	$38.70	Nursing
Real estate sales agents	4,090	$17.87	Real Estate
Nursing aides, orderlies, and attendants	1,520	$12.73	Nursing
Automotive service technicians and mechanics	1,497	$18.99	Automotive Technology
Computer support specialists	1,175	$23.21	Computer Science
Appraisers and assessors of real estate	1,003	$29.77	Real Estate
Licensed practical and licensed vocational nurses	765	$23.50	Nursing
Dental hygienists	642	$42.83	Dental Hygiene
Preschool teachers, except special education	632	$12.16	Early Childhood Development
Legal secretaries	626	$20.92	Office Technology
Hairdressers, hairstylists, and cosmetologists	553	$8.55	
Computer specialists, all other	532	$32.70	Computer Science
Fitness trainers and aerobics instructors	530	$17.72	Fitness Instructor; Physical Education
Bus and truck mechanics and diesel engine specialists	521	$24.90	Automotive Technology
Electrical and electronic engineering technicians	518	$24.96	Engineering Technology
Semiconductor processors	451	$14.63	
Respiratory therapists	374	$28.62	
Engineering technicians, except drafters, all other	311	$29.51	Engineering Technology
Medical secretaries	302	$16.92	Medical Assisting; Office Technology
Healthcare technologists and technicians, all other	281	$18.24	Health Information Technology
Library technicians	279	$16.36	
Life, physical, and social science technicians, all other	267	$19.07	Social Sciences
Architectural and civil drafters	229	$23.69	Architecture
Civil engineering technicians	217	$25.85	
Gaming dealers	215	$8.58	
Industrial engineering technicians	214	$24.62	Industrial Technology

1. Occupations with the highest projected job openings in Alameda County
requiring an AA/AS or vocational degree: 2006 to 2017 (continued)

Occupation	Number of Job Openings	Median Wage	Occupational program(s) at Chabot
Radiologic technologists and technicians	193	$29.30	
Medical records and health information technicians	191	$18.19	Medical Assisting; Health Information Technology
Mechanical drafters	177	$25.00	Technical Illustration
Paralegals and legal assistants	175	$22.65	Administration of Justice
Biological technicians	171	$20.42	Biology
Computer, automated teller, and office machine repairers	170	$19.43	Computer Application Systems
Aircraft mechanics and service technicians	168	$27.82	
Mobile heavy equipment mechanics, except engines	165	$26.99	Automotive Technology
Emergency medical technicians and paramedics	155	$10.15	Emergency Medical Technician
Manicurists and pedicurists	152	$8.32	
Chemical technicians	149	$17.80	Chemistry
Mechanical engineering technicians	146	$27.37	
Healthcare practitioners and technical workers, all other	139	$20.13	Emergency Medical Technician
Interior designers	136	$17.22	Interior Design
Electrical and electronics repairers, commercial and industrial equipment	129	$20.92	Electronics & Computer Technology; Electronics Assembly
Medical and clinical laboratory technicians	128	$16.02	Medical Assisting
Massage therapists	122	$15.73	
Prepress technicians and workers	122	$20.30	Machine Tool Technology; Machinist
Surgical technologists	122	$22.55	
Electrical and electronics drafters	113	$21.94	Technical Illustration
Environmental science and protection technicians, including health	113	$23.65	Health Information Technology
Environmental engineering technicians	102	$21.46	
Physical therapist assistants	98	$23.59	
Medical equipment repairers	93	$23.62	
Broadcast technicians	91	$21.71	Radio & Television Broadcasting

Source: CCBenefits Strategic Planner Tool; Economic Modeling Specialists, Inc. 4/07

Projections of population and attendance at Chabot College: 2002-2015
Primary Service Area for the San Leandro Facility: All of the Zip Codes in San Leandro, San Lorenzo, and Castro Valley

Primary Service Area for the San Leandro Facility: All of the Zip Codes in San Leandro, San Lorenzo, and Castro Valley							
	Estimate in 2002	Fall 2002	Estimate in 2007	Projection Fall 07	Projection 2010		Projection 2015	
	Target Service Area	Chabot	Target Service Area	Chabot	Target Service Area	Chabot	Target Service Area	Chabot
0-14	31,353	27	32,321	28	33,660	29	34,560	30
15-19	9,994	993	10,922	1,085	11,068	1,100	9,705	964
20 to 24 years	8,509	1,128	11,509	1,526	11,312	1,500	12,096	1,603
25 to 29 years	10,275	463	9,893	446	10,098	455	11,235	506
30 to 34 years	12,065	392	11,541	375	10,098	328	10,368	337
35 to 39 years	13,817	279	13,824	279	11,781	238	10,368	209
40 to 49 years	26,613	542	25,941	528	26,289	535	24,192	493
50+	50,097	579	49,463	572	53,856	622	62,208	719
Primary Area Total	162,723	4,403	164,875	4,839	168,300	4,807	172,800	4,862
Overall participation rates in the primary service area:		2.7%		2.9%		2.9%		2.8%

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Chabot College
Student Characteristics
Students from San Leandro, San Lorenzo, and Castro Valley
Fall 2006 Final Census

	Number	Percent
Total Students	3,743	100%

Gender		
Female	2,070	55%
Male	1,605	43%
Unknown	68	2%

Race-ethnicity		
African-American	366	10%
Asian-American	642	17%
Filipino	256	7%
Latino	781	21%
Middle Eastern	10	<1%
Native American	44	1%
Pacific Islander	56	1%
White	1,261	34%
Other	58	2%
Unknown	269	7%

Citizenship		
U.S. Citizen	3,196	85%
Permanent Resident	416	11%
Student Visa	11	<1%
Other	120	3%

Age		
19 or younger	1,010	27%
20-21	623	17%
22-24	477	13%
25-29	405	11%
30-39	410	11%
40-49	320	9%
50 or older	498	13%

Local residence:		
San Leandro	1,921	51%
Castro Valley	1,079	29%
San Lorenzo	743	20%

Student Type		
Full-time		
12 or more units	1,136	30%
Part-time		
6 to 11.5 units	1,088	29%
.5 to 5.5 units	1,431	38%
Non-credit only	88	2%

Enrollment Status		
First time any college	737	20%
First time transfer	261	7%
Returning transfer	312	8%
Returning	257	7%
Continuing	2,106	56%
In High School	70	2%

Student Educational Level		
In High School	137	4%
Freshman (< 30 units)	2,062	55%
Sophomore (30-59 un.)	618	17%
Other undergraduate	410	11%
AA/AS degree	200	5%
BA/BS or higher deg.	316	8%

Official residence		
District Resident	3,691	99%
Other CA Districts	0	0%
Other States	36	1%
Other Countries	16	<1%

Enrollment Pattern		
Day only	2,044	55%
Both Day and Eve/Sat	1,181	32%
Evening or Eve/Sat	423	11%
Saturday only	81	2%
Independently Scheduled	14	<1%

Educational Goal		
Transfer		
(with/without AA/AS)	1,241	33%
AA/AS only		
(not transfer)	276	7%
Occupational certificate		
or job training	394	11%
Personal development		
(intellectual/cultural,		
(basic skills, GED)	366	10%
Other or Undecided	708	19%
Unknown	758	20%

New Students: High school districts		
Chabot College Districts	451	61%
Castro Valley	*99*	13%
Hayward	*23*	3%
New Haven	*3*	<1%
San Leandro	*139*	19%
San Lorenzo	*179*	24%
Moreau	*8*	1%
Dublin/Livermore/Pleas	4	1%
Other Alameda County	65	9%
Other Bay Area	9	1%
Other California	149	20%
Other States	18	2%
Other Countries	41	6%
Total new students:	737	100%

Transfer students: Previous college		
CA Community College	313	55%
California State Univ.	73	13%
University of California	28	5%
CA private colleges	40	7%
Out of state	50	9%
Out of country	34	6%
Unknown	35	6%

SOURCE: Chabot-Las Positas Institutional Research Dataset, Fall Census, final count.

Race-Ethnicity of Individuals Living in the Primary Service Area
(San Leandro, San Lorenzo, and Castro Valley)
Census 2000

Race-ethnicity	Number	Percent
American Indian/Alaska Native	667	<1%
African American/Black	11,074	7%
Asian	29,044	18%
Hispanic/Latino	28,321	18%
Native Hawaiian/Pacific Islander	957	1%
White	82,113	52%
Mixed race (2 or more)	6,091	4%
Other	375	<1%
Total	158,642	100%

Source: U.S Census Bureau, Census 2000.