



# **The Socioeconomic Benefits Generated by Washington Community and Technical College Districts**

*State of Washington*

## **Volume 2: Detailed Results**

*by*

*Entry Level of Education*

*Gender and Ethnicity*

27-Feb-2003

M. Henry Robison & Kjell A. Christophersen

**CCbenefits Inc.**

[www.ccbenefits.com](http://www.ccbenefits.com)

# INTRODUCTION

The purpose of this volume is to present the results of the economic impact analysis in detail by gender, ethnicity and entry level of education. It is kept as a separate volume intended for limited distribution only, however, because this effort is not about gender and ethnicity differences *per se*. The study is about the overall economic impacts generated by community and technical colleges (CTCs). As such, the Main Report and the short Executive Summary both present the results without reference to gender and ethnicity differences.

We feel, nevertheless, that it is important to present *all* of the results for the sake of completeness, not just the consolidated ones, so long as the users of the detailed information remain prudent in its use and distribution. The results should not be used, for example, to further political agendas. Other studies about gender and ethnicity differences address such questions better and in greater detail. Our intent is simply to provide CTC presidents with pertinent information should specific questions arise.

On the input side, gender and ethnicity are important variables that help characterize the student body profile. We collect the profile data and link it to national statistical databases which are already broken out by gender and ethnic differences. The student body profile, to a large extent, drives the magnitudes of the results which are presented in detail in this volume and in a consolidated fashion in the Main Report and the Executive Summary.

**Tables 19** and **20** in this report are particularly important. They provide the data needed for computing the investment analysis results in **Tables 3.7** and **3.8** in the **Main Report** – the broad and narrow taxpayer perspectives. In **Table 19**, every other column (the higher taxes and the avoided cost columns) provides the data needed for the narrow taxpayer perspective. The remaining columns provide the data needed for the broad taxpayer perspective. **Table 20** provides the detailed calculations on student earnings that feed into the first column of **Table 19**.

## DETAILED RESULTS

Table 1. Higher Annual Earnings Based on Achievements During Analysis Year, Aggregate

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	\$27,954,463	\$11,800,480	\$18,668,833	\$8,800,658	\$67,224,434
HS/GED equivalent	\$39,774,851	\$16,790,247	\$26,812,274	\$12,639,550	\$96,016,922
1 year post HS or less	\$99,833,922	\$25,993,879	\$68,155,923	\$21,041,029	\$215,024,753
2 years post HS or less	\$124,452,852	\$26,535,493	\$95,780,432	\$23,563,271	\$270,332,048
> Associate Degree	\$70,017,344	\$15,973,871	\$57,183,609	\$14,926,478	\$158,101,303
<b>Total</b>	<b>\$362,033,433</b>	<b>\$97,093,971</b>	<b>\$266,601,071</b>	<b>\$80,970,985</b>	<b>\$806,699,460</b>

Table 2. No. of Days Reduced Absenteeism/Year

	Male		Female		Reduce Absent.
	White	Minority	White	Minority	
< HS/GED	8,990	7,900	13,892	17,218	48,000
HS/GED equivalent	4,371	3,841	6,754	8,371	23,338
1 year post HS or less	23,698	13,085	37,162	30,757	104,702
2 years post HS or less	14,183	6,350	24,856	16,280	61,668
> Associate Degree	6,988	3,319	13,048	8,955	32,310
<b>Total</b>	<b>58,231</b>	<b>34,494</b>	<b>95,712</b>	<b>81,581</b>	<b>270,018</b>

Table 3. Employer Savings from Reduced Absenteeism, \$ per Year

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	\$879,192	\$477,159	\$698,783	\$695,122	\$2,750,256
HS/GED equivalent	\$657,428	\$356,802	\$539,727	\$536,899	\$2,090,857
1 year post HS or less	\$4,121,213	\$1,405,404	\$3,461,669	\$2,299,467	\$11,287,753
2 years post HS or less	\$2,889,689	\$799,045	\$2,736,461	\$1,438,541	\$7,863,735
> Associate Degree	\$1,616,995	\$474,290	\$1,641,666	\$904,256	\$4,637,208
<b>Total</b>	<b>\$10,164,517</b>	<b>\$3,512,700</b>	<b>\$9,078,306</b>	<b>\$5,874,285</b>	<b>\$28,629,809</b>

Table 4. Fewer Smokers

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	197	20	176	23	416
HS/GED equivalent	158	17	142	19	337
1 year post HS or less	1,131	85	1,051	102	2,370
2 years post HS or less	894	65	950	85	1,993
> Associate Degree	480	41	551	56	1,129
<b>Total</b>	<b>2,860</b>	<b>230</b>	<b>2,870</b>	<b>285</b>	<b>6,245</b>

Table 5. Medical Savings from Reduced Smoking, \$ per Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$583,922	\$60,194	\$520,393	\$67,133	\$1,231,642
HS/GED equivalent	\$467,439	\$51,621	\$420,872	\$57,456	\$997,389
1 year post HS or less	\$3,351,374	\$252,612	\$3,113,755	\$303,246	\$7,020,987
2 years post HS or less	\$2,647,829	\$193,200	\$2,813,307	\$251,071	\$5,905,406
> Associate Degree	\$1,421,826	\$122,292	\$1,632,892	\$166,717	\$3,343,726
<b>Total</b>	<b>\$8,472,390</b>	<b>\$679,918</b>	<b>\$8,501,220</b>	<b>\$845,622</b>	<b>\$18,499,150</b>

Table 6. Fewer Alcohol Abusers

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	41	28	34	16	119
HS/GED equivalent	34	24	27	13	98
1 year post HS or less	262	112	194	63	631
2 years post HS or less	231	80	166	46	523
> Associate Degree	133	49	93	28	303
<b>Total</b>	<b>700</b>	<b>292</b>	<b>516</b>	<b>167</b>	<b>1,675</b>

Table 7. Medical Savings from Reduced Alcohol Abuse, \$/Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$325,266	\$225,256	\$272,501	\$125,683	\$948,706
HS/GED equivalent	\$272,429	\$188,027	\$215,471	\$102,203	\$778,130
1 year post HS or less	\$2,080,076	\$886,996	\$1,545,045	\$503,211	\$5,015,329
2 years post HS or less	\$1,832,868	\$634,666	\$1,322,410	\$367,585	\$4,157,529
> Associate Degree	\$1,052,798	\$385,701	\$742,339	\$225,978	\$2,406,815
<b>Total</b>	<b>\$5,563,437</b>	<b>\$2,320,646</b>	<b>\$4,097,766</b>	<b>\$1,324,660</b>	<b>\$13,306,509</b>

Table 8. Fewer Incarcerated, Aggregate for Student Body

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	150.8	126.6	2.0	22.3	301.7
HS/GED equivalent	95.4	97.6	1.3	16.3	210.6
1 year post HS or less	506.2	414.3	6.8	69.8	997.1
2 years post HS or less	230.3	243.9	3.5	39.4	517.1
> Associate Degree	86.8	131.3	1.4	20.6	240.2
<b>Total</b>	<b>1,070</b>	<b>1,014</b>	<b>15</b>	<b>168</b>	<b>2,267</b>

Table 9. Savings from Reduced Incarceration, \$ per Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$1,502,528	\$1,261,558	\$20,025	\$221,868	\$3,005,979
HS/GED equivalent	\$951,043	\$972,156	\$12,668	\$162,172	\$2,098,040
1 year post HS or less	\$5,043,877	\$4,128,424	\$68,082	\$695,372	\$9,935,754
2 years post HS or less	\$2,294,706	\$2,430,460	\$34,538	\$392,780	\$5,152,484
> Associate Degree	\$865,309	\$1,308,703	\$13,891	\$205,416	\$2,393,320
<b>Total</b>	<b>\$10,657,464</b>	<b>\$10,101,302</b>	<b>\$149,204</b>	<b>\$1,677,608</b>	<b>\$22,585,577</b>

Table 10. Crime Victim Savings, Aggregate for Student Body, \$/Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$1,654,810	\$1,389,417	\$22,054	\$244,354	\$3,310,635
HS/GED equivalent	\$1,047,432	\$1,070,684	\$13,952	\$178,609	\$2,310,677
1 year post HS or less	\$5,555,074	\$4,546,840	\$74,982	\$765,848	\$10,942,744
2 years post HS or less	\$2,527,275	\$2,676,788	\$38,039	\$432,588	\$5,674,689
> Associate Degree	\$953,009	\$1,441,340	\$15,299	\$226,235	\$2,635,883
<b>Total</b>	<b>\$11,737,599</b>	<b>\$11,125,070</b>	<b>\$164,326</b>	<b>\$1,847,634</b>	<b>\$24,874,628</b>

Table 11. Productivity Gained (Fewer Incarcerated), \$ per Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$577,500	\$299,476	\$4,008	\$35,641	\$916,625
HS/GED equivalent	\$481,865	\$304,220	\$3,410	\$35,039	\$824,534
1 year post HS or less	\$2,800,664	\$1,415,817	\$20,189	\$165,504	\$4,402,174
2 years post HS or less	\$1,478,436	\$967,142	\$11,983	\$109,376	\$2,566,937
> Associate Degree	\$634,246	\$592,453	\$5,520	\$65,513	\$1,297,732
<b>Total</b>	<b>\$5,972,710</b>	<b>\$3,579,108</b>	<b>\$45,111</b>	<b>\$411,074</b>	<b>\$10,008,002</b>

Table 12. Fewer People on Welfare

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	243.1	374.0	137.2	181.4	935.8
HS/GED equivalent	161.8	248.9	91.3	120.7	622.8
1 year post HS or less	912.1	882.5	522.4	461.6	2778.7
2 years post HS or less	466.0	366.1	297.9	208.9	1338.8
> Associate Degree	189.6	157.6	129.3	94.7	571.2
<b>Total</b>	<b>1,973</b>	<b>2,029</b>	<b>1,178</b>	<b>1,067</b>	<b>6,247</b>

Table 13. Community Welfare Savings, \$ per Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$1,036,248	\$1,594,141	\$584,893	\$773,240	\$3,988,522
HS/GED equivalent	\$689,651	\$1,060,943	\$389,262	\$514,612	\$2,654,468
1 year post HS or less	\$3,887,744	\$3,761,654	\$2,226,624	\$1,967,502	\$11,843,524
2 years post HS or less	\$1,986,075	\$1,560,428	\$1,269,771	\$890,239	\$5,706,514
> Associate Degree	\$808,041	\$671,819	\$551,163	\$403,466	\$2,434,489
<b>Total</b>	<b>\$8,407,760</b>	<b>\$8,648,985</b>	<b>\$5,021,712</b>	<b>\$4,549,060</b>	<b>\$26,627,517</b>

Table 14. Fewer People on Unemployment

	Male		Female		Total
	White	Minority	White	Minority	
< HS/GED	106	132	161	172	572
HS/GED equivalent	107	133	161	173	573
1 year post HS or less	144	236	217	328	925
2 years post HS or less	55	69	95	105	324
> Associate Degree	41	54	74	88	257
<b>Total</b>	<b>453</b>	<b>625</b>	<b>709</b>	<b>866</b>	<b>2,652</b>

Table 15. Unemployment Savings, \$ per Year

	Annual Costs, Male		Annual Costs, Female		Total
	White	Minority	White	Minority	
< HS/GED	\$938,649	\$1,170,040	\$1,421,021	\$1,522,207	\$5,051,918
HS/GED equivalent	\$941,264	\$1,173,299	\$1,424,979	\$1,526,447	\$5,065,989
1 year post HS or less	\$1,271,877	\$2,085,897	\$1,919,344	\$2,897,660	\$8,174,778
2 years post HS or less	\$487,458	\$607,952	\$840,749	\$928,547	\$2,864,706
> Associate Degree	\$359,301	\$481,391	\$657,340	\$775,420	\$2,273,451
<b>Total</b>	<b>\$3,998,549</b>	<b>\$5,518,579</b>	<b>\$6,263,433</b>	<b>\$7,650,281</b>	<b>\$23,430,842</b>

Table 16. Summary of Annual Impacts, \$ per Year

	Male		Female		Total
	White	Minority	White	Minority	
Higher earnings	\$362,033,433	\$97,093,971	\$266,601,071	\$80,970,985	\$806,699,460
Absenteeism Savings	\$10,164,517	\$3,512,700	\$9,078,306	\$5,874,285	\$28,629,809
Medical Cost Savings	\$14,035,826	\$3,000,564	\$12,598,986	\$2,170,282	\$31,805,659
Incarceration Savings	\$10,657,464	\$10,101,302	\$149,204	\$1,677,608	\$22,585,577
Crime Victim Savings	\$11,737,599	\$11,125,070	\$164,326	\$1,847,634	\$24,874,628
Add Prod. (fewer incarc.)	\$5,972,710	\$3,579,108	\$45,111	\$411,074	\$10,008,002
Welfare Savings	\$8,407,760	\$8,648,985	\$5,021,712	\$4,549,060	\$26,627,517
Unemployment Savings	\$3,998,549	\$5,518,579	\$6,263,433	\$7,650,281	\$23,430,842
<b>Total</b>	<b>\$427,007,858</b>	<b>\$142,580,278</b>	<b>\$299,922,148</b>	<b>\$105,151,209</b>	<b>\$974,661,494</b>

Table 17. Annual Impacts per Credit Hour Equivalent, \$ per Year

	Male		Female		Weighted Average
	White	Minority	White	Minority	
Higher earnings	\$ 136	\$ 91	\$ 76	\$ 65	\$ 100
Absenteeism Savings	\$ 4	\$ 3	\$ 3	\$ 5	\$ 4
Medical Cost Savings	\$ 5	\$ 3	\$ 4	\$ 2	\$ 4
Incarceration Savings	\$ 4	\$ 9	\$ 0	\$ 1	\$ 7
Crime Victim Savings	\$ 4	\$ 10	\$ 0	\$ 1	\$ 8
Add Prod. (fewer incarceration.)	\$ 2	\$ 3	\$ 0	\$ 0	\$ 3
Welfare Savings	\$ 3	\$ 8	\$ 1	\$ 4	\$ 6
Unemployment Savings	\$ 1	\$ 5	\$ 2	\$ 6	\$ 5
<b>Total</b>	<b>\$ 160</b>	<b>\$ 133</b>	<b>\$ 85</b>	<b>\$ 84</b>	<b>\$ 135</b>

Table 18. Annual Impacts per Student, \$ per Year

	Male		Female		Weighted Average
	White	Minority	White	Minority	
Higher earnings	\$ 2,383	\$ 1,589	\$ 1,327	\$ 1,139	\$ 1,749
Absenteeism Savings	\$ 67	\$ 57	\$ 45	\$ 83	\$ 66
Medical Cost Savings	\$ 92	\$ 49	\$ 63	\$ 31	\$ 67
Incarceration Savings	\$ 70	\$ 165	\$ 1	\$ 24	\$ 126
Crime Victim Savings	\$ 77	\$ 182	\$ 1	\$ 26	\$ 139
Add Prod. (fewer incarceration.)	\$ 39	\$ 59	\$ 0	\$ 6	\$ 48
Welfare Savings	\$ 55	\$ 142	\$ 25	\$ 64	\$ 97
Unemployment Savings	\$ 26	\$ 90	\$ 31	\$ 108	\$ 84
<b>Total</b>	<b>\$ 2,810</b>	<b>\$ 2,334</b>	<b>\$ 1,493</b>	<b>\$ 1,479</b>	<b>\$ 2,377</b>

Detailed Results

Table 19. Cumulative Impact Over Time (\$'000), Details for Both Taxpayer Perspectives

Year	Earnings Net	Added Taxes	Health				Crime				Welfare / Unemployment					
			Reduced Absent.	Avoided Cost	Medical Saving	Avoided Cost	Incarceration	Avoided Cost	Avoided Victims	Product. Gained	Avoided Cost	Reduced Welfare	Avoided Cost	Reduced Unempl.	Avoided Cost	
1	\$1,232,249	\$199,065	\$28,630	\$3,370	\$31,806	\$1,908	\$22,586	\$18,068	\$24,875	\$0	\$10,008	\$1,617	\$26,628	\$4,260	\$23,431	\$0
2	\$211,140	\$34,109	\$28,502	\$3,355	\$31,632	\$1,898	\$22,462	\$17,970	\$24,739	\$0	\$9,914	\$1,602	\$26,482	\$4,237	\$23,210	\$0
3	\$317,762	\$51,333	\$28,375	\$3,340	\$31,459	\$1,888	\$22,339	\$17,871	\$24,603	\$0	\$9,821	\$1,586	\$26,337	\$4,214	\$22,992	\$0
4	\$343,991	\$55,571	\$28,249	\$3,325	\$31,287	\$1,877	\$22,217	\$17,774	\$24,469	\$0	\$9,728	\$1,572	\$26,193	\$4,191	\$22,776	\$0
5	\$370,951	\$59,926	\$28,123	\$3,310	\$31,115	\$1,867	\$22,095	\$17,676	\$24,335	\$0	\$9,637	\$1,557	\$26,050	\$4,168	\$22,561	\$0
6	\$398,528	\$64,381	\$27,997	\$3,295	\$30,945	\$1,857	\$21,975	\$17,580	\$24,202	\$0	\$9,546	\$1,542	\$25,907	\$4,145	\$22,349	\$0
7	\$426,595	\$68,915	\$27,873	\$3,280	\$30,776	\$1,847	\$21,854	\$17,484	\$24,069	\$0	\$9,456	\$1,528	\$25,765	\$4,122	\$22,139	\$0
8	\$455,015	\$73,506	\$27,748	\$3,266	\$30,608	\$1,836	\$21,735	\$17,388	\$23,938	\$0	\$9,367	\$1,513	\$25,625	\$4,100	\$21,930	\$0
9	\$483,640	\$78,130	\$27,625	\$3,251	\$30,440	\$1,826	\$21,616	\$17,293	\$23,807	\$0	\$9,279	\$1,499	\$25,484	\$4,078	\$21,724	\$0
10	\$512,315	\$82,763	\$27,501	\$3,237	\$30,274	\$1,816	\$21,498	\$17,198	\$23,677	\$0	\$9,192	\$1,485	\$25,345	\$4,055	\$21,519	\$0
11	\$540,875	\$87,376	\$27,379	\$3,222	\$30,108	\$1,806	\$21,380	\$17,104	\$23,547	\$0	\$9,105	\$1,471	\$25,206	\$4,033	\$21,317	\$0
12	\$569,153	\$91,945	\$27,257	\$3,208	\$29,943	\$1,797	\$21,263	\$17,011	\$23,418	\$0	\$9,019	\$1,457	\$25,068	\$4,011	\$21,116	\$0
13	\$596,975	\$96,439	\$27,135	\$3,194	\$29,780	\$1,787	\$21,147	\$16,918	\$23,290	\$0	\$8,935	\$1,443	\$24,931	\$3,989	\$20,918	\$0
14	\$624,165	\$100,832	\$27,014	\$3,179	\$29,617	\$1,777	\$21,031	\$16,825	\$23,163	\$0	\$8,850	\$1,430	\$24,795	\$3,967	\$20,721	\$0
15	\$650,547	\$105,093	\$26,894	\$3,165	\$29,455	\$1,767	\$20,916	\$16,733	\$23,036	\$0	\$8,767	\$1,416	\$24,659	\$3,945	\$20,526	\$0
16	\$675,945	\$109,196	\$26,774	\$3,151	\$29,294	\$1,758	\$20,802	\$16,641	\$22,910	\$0	\$8,685	\$1,403	\$24,524	\$3,924	\$20,333	\$0
17	\$700,187	\$113,113	\$26,655	\$3,137	\$29,133	\$1,748	\$20,688	\$16,550	\$22,785	\$0	\$8,603	\$1,390	\$24,390	\$3,902	\$20,141	\$0
18	\$723,107	\$116,815	\$26,536	\$3,123	\$28,974	\$1,738	\$20,575	\$16,460	\$22,660	\$0	\$8,522	\$1,377	\$24,257	\$3,881	\$19,952	\$0
19	\$744,545	\$120,279	\$26,418	\$3,109	\$28,816	\$1,729	\$20,462	\$16,370	\$22,536	\$0	\$8,442	\$1,364	\$24,124	\$3,860	\$19,764	\$0
20	\$764,350	\$123,478	\$26,300	\$3,095	\$28,658	\$1,719	\$20,350	\$16,280	\$22,413	\$0	\$8,362	\$1,351	\$23,992	\$3,839	\$19,578	\$0
21	\$782,381	\$126,391	\$26,183	\$3,082	\$28,501	\$1,710	\$20,239	\$16,191	\$22,290	\$0	\$8,284	\$1,338	\$23,861	\$3,818	\$19,394	\$0
22	\$798,511	\$128,997	\$26,066	\$3,068	\$28,345	\$1,701	\$20,128	\$16,103	\$22,168	\$0	\$8,206	\$1,326	\$23,731	\$3,797	\$19,211	\$0
23	\$812,625	\$131,277	\$25,950	\$3,054	\$28,190	\$1,691	\$20,018	\$16,015	\$22,047	\$0	\$8,128	\$1,313	\$23,601	\$3,776	\$19,030	\$0
24	\$824,625	\$133,215	\$25,834	\$3,041	\$28,036	\$1,682	\$19,909	\$15,927	\$21,926	\$0	\$8,052	\$1,301	\$23,472	\$3,755	\$18,851	\$0
25	\$834,428	\$134,799	\$25,719	\$3,027	\$27,883	\$1,673	\$19,800	\$15,840	\$21,807	\$0	\$7,976	\$1,289	\$23,343	\$3,735	\$18,674	\$0
26	\$821,729	\$132,747	\$25,604	\$3,014	\$27,730	\$1,664	\$19,692	\$15,753	\$21,687	\$0	\$7,901	\$1,276	\$23,216	\$3,714	\$18,498	\$0
27	\$827,337	\$133,653	\$25,490	\$3,000	\$27,578	\$1,655	\$19,584	\$15,667	\$21,569	\$0	\$7,827	\$1,264	\$23,089	\$3,694	\$18,324	\$0
28	\$830,651	\$134,189	\$25,376	\$2,987	\$27,428	\$1,646	\$19,477	\$15,581	\$21,451	\$0	\$7,753	\$1,252	\$22,962	\$3,674	\$18,152	\$0
29	\$831,658	\$134,351	\$25,263	\$2,973	\$27,278	\$1,637	\$19,370	\$15,496	\$21,333	\$0	\$7,680	\$1,241	\$22,837	\$3,654	\$17,981	\$0
30	\$807,661	\$130,475	\$25,151	\$2,960	\$27,128	\$1,628	\$19,264	\$15,411	\$21,217	\$0	\$7,608	\$1,229	\$22,712	\$3,634	\$17,812	\$0
31	\$769,569	\$124,321	\$25,039	\$2,947	\$26,980	\$1,619	\$19,159	\$15,327	\$21,101	\$0	\$7,536	\$1,217	\$22,588	\$3,614	\$17,644	\$0
32	\$726,129	\$117,304	\$24,927	\$2,934	\$26,832	\$1,610	\$19,054	\$15,243	\$20,985	\$0	\$7,465	\$1,206	\$22,464	\$3,594	\$17,478	\$0
33	\$703,251	\$113,608	\$24,816	\$2,921	\$26,686	\$1,601	\$18,950	\$15,160	\$20,870	\$0	\$7,395	\$1,195	\$22,341	\$3,575	\$17,314	\$0
34	\$599,519	\$96,850	\$24,705	\$2,908	\$26,540	\$1,592	\$18,846	\$15,077	\$20,756	\$0	\$7,326	\$1,183	\$22,219	\$3,555	\$17,151	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PV	\$11,292,165	\$1,824,208	\$498,175	\$58,633	\$546,500	\$32,790	\$388,076	\$310,461	\$427,408	\$0	\$163,842	\$26,468	\$457,527	\$73,204	\$383,588	\$0

Table 20. Earnings Calculations, Taxpayer Perspectives (\$'000)

Year	Gross Student Earnings	Net of Attrition	Direct Earnings Net	Indirect Student Earnings	Net Total Student Earnings	Total CC Earnings	Total Earnings Net
1	\$301,992	\$301,992	\$99,657	\$87,827	\$187,485	\$1,044,764	\$1,232,249
2	\$342,634	\$340,095	\$112,231	\$98,909	\$211,140	\$0	\$211,140
3	\$519,508	\$511,837	\$168,906	\$148,856	\$317,762	\$0	\$317,762
4	\$566,588	\$554,085	\$182,848	\$161,143	\$343,991	\$0	\$343,991
5	\$615,556	\$597,511	\$197,179	\$173,773	\$370,951	\$0	\$370,951
6	\$666,254	\$641,931	\$211,837	\$186,691	\$398,528	\$0	\$398,528
7	\$718,500	\$687,139	\$226,756	\$199,839	\$426,595	\$0	\$426,595
8	\$772,088	\$732,916	\$241,862	\$213,152	\$455,015	\$0	\$455,015
9	\$826,787	\$779,024	\$257,078	\$226,562	\$483,640	\$0	\$483,640
10	\$882,345	\$825,212	\$272,320	\$239,995	\$512,315	\$0	\$512,315
11	\$938,490	\$871,217	\$287,501	\$253,374	\$540,875	\$0	\$540,875
12	\$994,929	\$916,765	\$302,533	\$266,621	\$569,153	\$0	\$569,153
13	\$1,051,355	\$961,580	\$317,321	\$279,654	\$596,975	\$0	\$596,975
14	\$1,107,447	\$1,005,376	\$331,774	\$292,391	\$624,165	\$0	\$624,165
15	\$1,162,872	\$1,047,870	\$345,797	\$304,750	\$650,547	\$0	\$650,547
16	\$1,217,293	\$1,088,780	\$359,297	\$316,647	\$675,945	\$0	\$675,945
17	\$1,270,365	\$1,127,829	\$372,183	\$328,004	\$700,187	\$0	\$700,187
18	\$1,321,744	\$1,164,747	\$384,367	\$338,741	\$723,107	\$0	\$723,107
19	\$1,371,090	\$1,199,278	\$395,762	\$348,783	\$744,545	\$0	\$744,545
20	\$1,418,069	\$1,231,179	\$406,289	\$358,061	\$764,350	\$0	\$764,350
21	\$1,462,359	\$1,260,223	\$415,873	\$366,508	\$782,381	\$0	\$782,381
22	\$1,503,650	\$1,286,204	\$424,447	\$374,064	\$798,511	\$0	\$798,511
23	\$1,541,653	\$1,308,938	\$431,950	\$380,676	\$812,625	\$0	\$812,625
24	\$1,576,098	\$1,328,267	\$438,328	\$386,297	\$824,625	\$0	\$824,625
25	\$1,606,741	\$1,344,057	\$443,539	\$390,889	\$834,428	\$0	\$834,428
26	\$1,594,102	\$1,323,603	\$436,789	\$384,940	\$821,729	\$0	\$821,729
27	\$1,616,962	\$1,332,635	\$439,769	\$387,567	\$827,337	\$0	\$827,337
28	\$1,635,560	\$1,337,973	\$441,531	\$389,120	\$830,651	\$0	\$830,651
29	\$1,649,769	\$1,339,596	\$442,067	\$389,592	\$831,658	\$0	\$831,658
30	\$1,614,126	\$1,300,942	\$429,311	\$378,350	\$807,661	\$0	\$807,661
31	\$1,549,483	\$1,239,586	\$409,063	\$360,506	\$769,569	\$0	\$769,569
32	\$1,472,934	\$1,169,615	\$385,973	\$340,156	\$726,129	\$0	\$726,129
33	\$1,437,176	\$1,132,764	\$373,812	\$329,439	\$703,251	\$0	\$703,251
34	\$1,234,336	\$965,678	\$318,674	\$280,846	\$599,519	\$0	\$599,519
0	\$733,965	\$569,959	\$188,087	\$165,760	\$353,847	\$0	\$353,847
0	\$390,043	\$300,642	\$99,212	\$87,435	\$186,647	\$0	\$186,647
0	\$228,985	\$175,192	\$57,813	\$50,951	\$108,764	\$0	\$108,764
0	\$76,935	\$58,426	\$19,280	\$16,992	\$36,272	\$0	\$36,272
0	\$54,385	\$40,994	\$13,528	\$11,922	\$25,450	\$0	\$25,450