

Total ID Pop. (2015) 1,654,930  
Idaho 25-34 yr old (2015) 216,810 percent for goal cohort: 13.1%

	Goal	2015	Diff
2020 Population 25-34	216,400		
Certificate holders	7%	15,100	2,100
Associate degree holders	19%	41,100	15,100
Subtotal comm colleges		56,200	17,200
Bachelor degree holders	26%	56,300	15,100
Graduate degree holders	8%	17,300	4,300
Totals - all post secondary		129,800	36,600

Population growth assumption 1% (Some sources say 1.7%, some say 0.8%)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Forecast state population	1,654,930	1,671,479	1,688,194	1,705,076	1,722,127	1,739,348	1,756,742	1,774,309	1,792,052	1,809,973	1,828,072	1,846,353	1,864,817	
Percent of age cohort	13.10%	Assume constant during forecast period												
Idaho 25 to 34 yrs old	216810	218,978	221,168	223,380	225,613	227,869	230,148	232,450	234,774	237,122	239,493	241,888	244,307	
60% goal with post secondary	130,086	131,387	132,701	134,028	135,368	136,722	138,089	139,470	140,864	142,273	143,696	145,133	146,584	
% who have post secondary	40%	42%	42%	42%	43%	45.0%	47.5%	50.0%	52.5%	55.0%	57.5%	60.0%	60%	
population with post secondary	86724	91971	92891	93819	97014	102541	109320	116225	123256	130417	137709	145133	146584	
Add'l Graduates to meet goal	43362	39416	39810	40208	38354	34180	28769	23245	17608	11856	5987	0	0	
Cumulative add'l system output needed to reach goal in 10 yrs				929	4123	9651	16430	23334	30366	37527	44818	52242	53694	

Note: each percentage point of the 60% goal equals about 1300 graduates

Add'l system output from panel below using 2.5% + 2% incentive accomplishment

Total number of graduates all levels (excluding post graduate degrees)	10,935	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%
New graduates that apply toward 60% goal	492	514	537	562	587	613	641	670	700				
new base graduate total	11,427	11,941	12,479	13,040	13,627	14,240	14,881	15,551	16,250				

Note: This is a rolling average inventory problem. For simplicity purposes, assume the population that rolls out of the 26-35 cohort is the same as the number coming in each year. About 13,000 roll in and out each year.

Test program outlined by 8/1/17 Andy Scoggin memo

Graduates 2015-2016 (Herbst)	cert	AA	BS/BA	total	Benchmark 2.50%	New total	Incentive qualification			Incentive money earned			
							1%	2%	3%	\$ 5,000	\$ 10,000	\$ 20,000	
BSU	127	141	2998	3266	82	3348	33	67	100			\$ 1,339,060	
ISU	202	358	1196	1756	44	1800	18	36	54			\$ 719,960	
UI	0	0	1687	1687	42	1729	17	35	52			\$ 691,670	
LCSC	22	345	541	908	23	931	9	19	28			\$ 372,280	
EITC	112	117		229	6	235	2	5	7	\$ 46,945			
CSI	189	853	1042	26	1068	11	21	32		\$ 213,610			
CWI	127	903	1030	26	1056	11	21	32		\$ 211,150			
NIC	288	729	1017	25	1042	10	21	31		\$ 208,485			
total	1067	3446	6422	10935	273	11208	112	224	336	\$ 680,190	\$ 3,122,970		
					Benchmark + incentive qualification		385	498	610				

Some preliminary conclusions:

- 2.5% + 2.0% system output is 498 add'l post secondary credentials per year
- 1% pop growth requires 1326 new post Secondary/yr, either from our system or from immigrants (.01\*1700000\*.13\*.6)
- If Idaho has birth rate equal to death rate, all the growth is immigrants from other states
- Some input to the 26-35 will be immigrants with post secondary cred so we don't have to educate them some will be older and outside our target; some will be younger and we have to educate them.
- To accomplish our 60% goal, we have to educate both the pop growth needs plus fill the 40% to 60% gap
- Total need is 2%/yr toward reducing the 40% to 60% shortfall = 2600 graduates per year plus 1326 for pop growth = 3926 needed annually
- Our total requirement is 3926 and our plan produces about 500/yr.

Rough approximation on incentive cost: Using 2% qualifying degree growth the incentive fund might be in the range of \$4,000,000/yr  
Next: make more detailed forecast for each category.