

Budget							
PI: Mike Maughan			1/12/2021				
NSF Research Infrastructure Improvement Track 2: Science and Education Framework for Developing a Circular Bio-based Building							
Economy							
3% Escalation Assumed							
Senior Salaries	Hourly Rate	Hours	Year 1	Year 2	Year 3	Year 4	Total
PI - Maughan	\$63.30	160	10,128	10,432	10,745	11,067	42,372
Co-PI - Cai	\$46.30	80	3,704	3,815	3,930	4,047	15,496
Co-PI - Manrique	\$43.74	80	3,499	3,604	3,712	3,824	14,639
Co-PI - Ibrahim	\$68.90	80	5,512	5,677	5,848	6,023	23,060
SP - Robertson	\$64.65	40	2,586	2,664	2,744	2,826	10,819
SP - Fu	\$51.09	40	2,044	2,105	2,168	2,233	8,549
SP - McDonald	\$72.26	40	2,891	2,977	3,067	3,159	12,093
SP - Baker (12-month)	\$52.71	40	2,108	2,172	2,237	2,304	8,821
Total Salaries			32,472	33,446	34,449	35,483	135,850
Staff/Student/IH Salaries							
Program Coordinator	\$37.82	208	7,867	8,103	8,346	8,596	32,911
GRA - AY & Summer - Fire/Statistics Cai/Fu	\$21.00	1040	21,840	22,495	23,170	23,865	91,370
GRA - AY & Summer - Testing Cai/Ibrahim	\$21.00	1040	21,840	22,495	23,170	23,865	91,370
GRA - AY & Summer - Maughan/McDonald	\$21.00	1040	21,840	22,495	23,170	23,865	91,370
GRA - AY & Summer - Maughan/McDonald	\$21.00	1040	21,840	22,495	23,170	23,865	91,370
GRA - AY & Summer - Manrique/Baker	\$21.00	1040	21,840	22,495	23,170	23,865	91,370
Post Doc - FEA Modeling Robertson/Ibrah	\$45.00	1040	46,800	48,204	49,650	51,140	195,794
Undergraduate Students	\$14.00	360	5,040	5,191	5,347	5,507	21,085
Total Student/IH Salaries			168,907	173,974	179,193	184,569	706,642
Fringe		Rate					
PI - Maughan		30.7%	3,109	3,203	3,299	3,398	13,008
Co-PI - Cai		30.7%	1,137	1,171	1,206	1,243	4,757
Co-PI - Manrique		30.7%	1,074	1,106	1,140	1,174	4,494
Co-PI - Ibrahim		30.7%	1,692	1,743	1,795	1,849	7,079
SP - Robertson		30.7%	794	818	842	868	3,322
SP - Fu		30.7%	627	646	666	686	2,625
SP - McDonald		30.7%	887	914	941	970	3,713
SP - Baker (12-month)		30.7%	647	667	687	707	2,708
Program Coordinator		41.8%	3,288	3,387	3,488	3,593	13,757
GRA - AY & Summer - Fire/Statistics Cai/Fu		2.1%	459	472	487	501	1,919
GRA - AY & Summer - Testing Cai/Ibrahim		2.1%	459	472	487	501	1,919
GRA - AY & Summer - Maughan/McDonald		2.1%	459	472	487	501	1,919
GRA - AY & Summer - Maughan/McDonald		2.1%	459	472	487	501	1,919
GRA - AY & Summer - Manrique/Baker		2.1%	459	472	487	501	1,919
Post Doc - FEA Modeling Robertson/Ibrahim		41.8%	19,562	20,149	20,754	21,376	81,842
Undergraduate Students		2.1%	106	109	112	116	443
Total Fringe			35,219	36,275	37,363	38,484	147,341
Total Salaries and Fringe			236,597	243,695	251,006	258,536	989,833
Travel							
NSF PI Meeting - Yr 1 (all PI/Co-PI)			6,000	0	0	0	6,000
NSF PI Meeting - Yr 2 (PI Only)			0	2,000	0	0	2,000
NSF PI Meeting - Yr 3 (PI Only)			0	0	2,000	0	2,000
NSF PI Meeting - Yr 4 (PI Only)			0	0	0	2,000	2,000
Conferences (4)			12,000	12,000	12,000	12,000	48,000
All-team meeting/workshop (At Uldaho)							
All-team meeting/workshop (At Auburn)			0	0	20,000	0	20,000
Total Travel			18,000	14,000	34,000	14,000	80,000
Other Direct Costs (include 1st \$25,000 of Subawards here)							
Materials and supplies - Maughan			8,000.00	8,000.00	6,000.00	2,000.00	24,000
Materials and supplies - Cai			8,000.00	8,000.00	6,000.00	2,000.00	24,000
Materials and supplies - Ibrahim			8,000.00	8,000.00	6,000.00	2,000.00	24,000
Materials and supplies - Shared			10,000.00	10,000.00	10,000.00	4,000.00	34,000
Publication costs			0	0	5,000	5,000	10,000
Computer services (website)			3,000.00	1000	1000	1000	6,000
Supplies for outreach activities			2,500	2,500	2,500	2,500	10,000
Consulting Services (TIG - External eval.)			37,132.00	51,994.00	12,720.00	57,154.00	159,000
Supplies for Workshop			3,000.00	0	0	0	3,000
Data Portal Access			12,500.00	12,500.00	12,500.00	12,500.00	50,000
Auburn Subaward, first \$25k			25,000.00				25,000
Total Other Direct Costs			117,132	101,994	61,720	88,154	369,000
Modified Total Direct Costs			371,729	359,689	346,726	360,690	1,438,833
Enter Only Costs Excluded From F&A Below This Point							
Equipment >\$5,000							
			0	0	0	0	0
Total Equipment >\$5,000			0	0	0	0	0
Subaward >\$25,000							
Auburn Subaward			382,213.00	403,349.00	404,307.00	396,506.00	1,586,375
			0.00	0.00	0.00	0.00	0
			0	0	0	0	0
			0	0	0	0	0
Total Subaward >\$25,000			382213	403349	404307	396506	1,586,375
Tuition							
Grad Student Tuition, Fees & Health Insurance	\$12,327		61,635	64,717	67,953	71,350	265,655
			0	0	0	0	0
			0	0	0	0	0
Total Tuition			61,635	64,717	67,953	71,350	265,655
Total Direct Costs			815,577	827,755	818,985	828,546	3,290,863
Indirect Costs	Rate	47.50%	176,571	170,852	164,695	171,328	683,446
Total Budget (Direct + Indirect Costs)			992,148	998,607	983,680	999,874	3,974,309