

<b>Task Name</b>	<b>SENG (hours)</b>	<b>ENG (hours)</b>	<b>TECH (hours)</b>	<b>INT (hours)</b>	<b>Task Total Hours</b>
<b>Task 1 Competition Preparation</b>	0	0	28.5	1.25	29.75
<b>Task 2: Analyze Treatment Options</b>	0	21	78.5	28	107
<b>Task 3: Bench Scale Model Design</b>	0	18	12	20	50
<b>Task 4: Fabrication of Bench Scale Model</b>	0	6.75	45.25	7.25	59.25
<b>Task 5 Full-Scale Design</b>	0	12.5	1.25	3	16.75
<b>Task 6: Techno-Economic Analysis</b>	0	0	0	28.25	28.25
<b>Task 7: Impacts Analysis</b>	0	0	0	3	3
<b>Task 8: Project Deliverables</b>	113	138.3	162.5	253.5	667.3
<b>Task 9: Project Management</b>	14.5	14.75	6	13.75	49
<b>Total Hours</b>	1043.65				

<b>Staffing Hours Summary</b>	
<b>Position</b>	<b>Hours</b>
Senior Engineer	127.75
Engineer	214.3
Lab Technician	334.1
Engineering Intern	367.5
<b>Total Hours</b>	<b>1043.65</b>

<b>Cost of Engineering Services</b>				
<i>Personnel</i>	<i>Classification</i>	<i>Hours</i>	<i>Rate (\$/hr)</i>	<i>Cost (\$)</i>
	Senior Engineer	127.75	\$ 180	\$ 22,995
	Engineer	214.3	\$ 80	\$ 17,144
	Lab Technician	334.1	\$ 50	\$ 16,705
	Engineering Intern	367.5	\$ 25	\$ 9,187.50
<b>1.0 Personnel Cost</b>				<b>\$ 66,031.50</b>
<i>2.0 Travel</i>			<i>Cost Per (\$)</i>	<i>Cost (\$)</i>
Transportation	1 Van 4-Day Trip		\$65/day	\$ 260
Mileage	868 mi Roundtrip		\$0.38/mile	\$ 330
Hotel	3 Rooms 3 Nights		\$100/night	\$ 900
Per Diem	5 People 4 Days		\$19/day	\$ 380
<b>Travel Cost</b>				<b>\$ 1,870</b>
<i>3.0 Lab Facilities</i>				
	ENE Lab 10 Days		\$100/day	\$ 1,000
<b>Lab Cost</b>				<b>\$ 1,000</b>
<i>4.0 Supplies</i>				
	See Itemized Supplies List			\$ 1,984
<b>Supplies Cost</b>				<b>\$ 1,984</b>
<i>5.0 Subcontract</i>				
	Machine Shop, Acrylic Cuts		\$70	\$ 70
<b>Subcontract Cost</b>				<b>\$ 70</b>
<b>Total Cost</b>				<b>\$ 70,955.50</b>