

## Power Plant - Relay Replacement

Iowa State EE Senior Design

Group: Dec15-22

Dan Dye

### Basic Service

	BUDGET			ACTUAL		
	Percent%	Hours	Rate	Percent% Complete	Hours	Rate
1 Project Scope	4%	10	\$500	100%	12	\$600
2 Project Plan	4%	10	\$500	100%	18	\$900
3 Project Design Document	4%	10	\$500	100%	19	\$950
4 Relay Replacement Design	51%	144	\$7,200	100%	125	\$6,250
5 Arc Flash Calculation and Design	13%	36	\$1,800	100%	47	\$2,350
6 Safety Operation Solutions	14%	40	\$2,000	100%	36	\$1,800
7 Final Project Report / Presentation	7%	20	\$1,000	100%	25	\$1,250
8 Project Poster	4%	12	\$600	100%	20	\$1,000
<b>Totals</b>	<b>100%</b>	<b>282</b>	<b>\$14,100</b>		<b>302</b>	<b>\$15,100</b>
Engineering Design Services Rate (\$/hour):		\$50			~300 Hours	