

Updated: Dec 12, 2012

Activity	Dates		Costs			Budget (Burdened)		Percent Complete/Spent (Est)			Spent (Burdened)	Remaining	
	Sub-tasks	Start	End	Labor (Days)	Material	Ship		Labor (Days)	Material	Ship		Dollars	Percentage
Control Scheme Development for 1st Deployment		9/25/2012	10/25/2012									\$0	0%
	Implementation of PTO model into code	9/25/2012	10/1/2012	4			\$4,898	100%			\$4,898		
	Calibration of model w.r.t. previous deployments	9/25/2012	10/1/2012	4			\$4,898	100%			\$4,898		
	Development of gain-scheduling algorithm	9/25/2012	10/25/2012	6			\$7,348	100%			\$7,348		
	Development of latching algorithm	9/25/2012	10/25/2012	6			\$7,348	100%			\$7,348		
1st Test Deployment Preparations		9/25/2012	11/6/2012									\$0	0%
	Wave-energy converter maintenance	9/25/2012	10/31/2012	20	\$7,500		\$35,817	100%	100%		\$35,817		
	Add buoy submergence sensor	9/25/2012	11/2/2012	4	\$1,300		\$6,861	100%	100%		\$6,861		
	Implement control algorithms	10/8/2012	11/2/2012	10			\$12,246	100%			\$12,246		
	Final system testing	11/5/2012	11/6/2012	5			\$6,123	100%			\$6,123		
	Replace WaveRider Batteries	10/15/2012	11/6/2012	1	\$300		\$1,678	100%	100%		\$1,678		
1st Test Deployment		11/7/2012	12/7/2012									\$10,292	27%
	Mobilize all equipment to dock.	11/7/2012	11/7/2012	2			\$2,449	100%			\$2,449		
	Load boat	11/8/2012	11/8/2012	2		\$1,950	\$5,394	100%		100%	\$5,394		
	Deployment	11/9/2012	11/9/2012	4		\$1,950	\$7,843	100%		100%	\$7,843		
	System monitoring	11/9/2012	12/6/2012	10			\$12,246	100%			\$12,246		
	Recovery and Unload Boat	12/6/2012	12/6/2012	4		\$1,950	\$7,843	0%		0%	\$0		
	De-mobilization	12/7/2012	12/7/2012	2			\$2,449	0%			\$0		
1st Test Data Analysis		12/10/2012	1/10/2013									\$9,797	50%
	Correlation of test data and wave data	12/10/2012	12/12/2012	2			\$2,449	50%			\$1,225		
	Analysis of test data	12/13/2012	12/28/2012	10			\$12,246	50%			\$6,123		
	Test Report	1/1/2013	1/10/2013	4			\$4,898	50%			\$2,449		
Control Scheme Development for 2nd Deployment		1/14/2013	3/11/2013									\$36,738	100%
	Evaluation of buoy draft sensor performance	1/14/2013	1/18/2013	5			\$6,123	0%			\$0		
	Development of latching algorithm	1/21/2013	3/11/2013	25			\$30,615	0%			\$0		
2nd Test Deployment Preparations		2/1/2013	3/29/2013									\$55,863	100%
	Wave-energy converter maintenance	2/1/2013	3/8/2013	20	\$7,500		\$35,817	0%	0%		\$0		
	Implement control algorithms	3/11/2013	3/22/2013	10			\$12,246	0%			\$0		
	Final system testing	3/25/2013	3/29/2013	5			\$6,123	0%			\$0		
	Replace WaveRider Batteries	3/25/2013	3/29/2013	1	\$300		\$1,678	0%	0%		\$0		
2nd Test Deployment		4/1/2013	4/30/2013									\$38,224	100%
	Mobilize all equipment to dock.	4/1/2013	4/1/2013	2			\$2,449	0%			\$0		
	Load boat	4/2/2013	4/2/2013	2		\$1,950	\$5,394	0%	0%		\$0		
	Deployment	4/3/2013	4/3/2013	4		\$1,950	\$7,843	0%	0%		\$0		
	System monitoring	4/3/2013	4/28/2013	10			\$12,246	0%			\$0		
	Recovery and Unload Boat	4/29/2013	4/29/2013	4		\$1,950	\$7,843	0%	0%		\$0		
	De-mobilization	4/30/2013	4/30/2013	2			\$2,449	0%			\$0		
2nd Test Data Analysis		5/1/2013	5/31/2013									\$22,043	100%
	Correlation of test data and wave data	5/1/2013	5/3/2013	2			\$2,449	0%			\$0		
	Analysis of test data	5/6/2013	5/17/2013	12			\$14,695	0%			\$0		
	Test Report	5/20/2013	5/31/2013	4			\$4,898	0%			\$0		
Final Project Report		1/1/2013	6/25/2013									\$80,823	100%
	Data collection and analysis	1/1/2013	5/31/2013	30			\$36,738	0%			\$0		
	Journal Paper Preparation	1/1/2013	5/31/2013	20			\$24,492	0%			\$0		
	Final Data Analysis and Report Writing	6/3/2013	6/21/2012	15			\$18,369	0%			\$0		
	Report Submission	6/24/2013	6/24/2013	1			\$1,225	0%			\$0		
Numerical Code Transistion		8/1/2012	6/25/2013									\$16,021	37%
	Users manual and examples	8/1/2012	11/30/2012	15			\$18,369	100%			\$18,369		
	Transition to web server	12/3/2012	12/4/2012	2			\$2,449	100%			\$2,449		
	Carderock/DC Visit	12/5/2012	12/7/2012	5	\$2,500		\$9,898	100%	0%		\$6,123		
	Support as needed.	6/24/2013	6/24/2013	10			\$12,246	0%			\$0		
Sonar Evaluation		12/1/2012	2/15/2013									\$15,920	62%
	DAT Performance Evaluation (alone)	12/1/2012	12/31/2012	10			\$12,246	80%			\$9,797		
	DAT In-Vehicle Performance Evaluation	1/1/2013	1/21/2013	10			\$12,246	0%			\$0		
	Report	1/12/2013	2/1/2013	1			\$1,225	0%	0%		\$0		

Totals:

\$447,400

\$285,718