


Client
Project
Job No.
Est. By
Date

City of Colusa
Water Master Plan Update
22-5-060
AC/OS
5/19/2022

Cost Estimate for City of Colusa Water Master Plan Update

 Luhdorff & Scalmanini Consulting Engineers		Supervising Professional (JD/JC)	Senior Professional (OS)	Project Professional (PL/LL/AC)	Clerical	Direct Expenses	Summary
Task	Description	\$225	\$200	\$175	\$83	Incurred	
Task 1 – Review Existing Data and Project Management							
Task 1.1 – Project Kickoff	Task Hours	2	2	4			8
	Task Cost	\$450	\$400	\$700			\$1,550
	Direct Expenses						\$0
	SubTotal	\$450	\$400	\$700			\$1,609
Task 1.2 – Project Coordination, Meetings, and Administration	Task Hours	12	30				42
	Task Cost	\$2,700	\$6,000				\$8,700
	Direct Expenses						\$0
	SubTotal	\$2,700	\$6,000				\$8,700
Task 1.3 – Data Review and Tabulation	Task Hours		4	16			20
	Task Cost		\$800	\$2,800			\$3,600
	Direct Expenses						\$0
	SubTotal		\$800	\$2,800			\$3,600
Total Task Cost Estimate							\$13,909
Task 2 – Evaluate Existing and Future Water Demands							
Task 2.1 - Evaluate Data and Develop Water Use Factors	Task Hours		4	20			24
	Task Cost		\$800	\$3,500			\$4,300
	Direct Expenses						\$0
	SubTotal		\$800	\$3,500			\$4,300
Task 2.2 – Hydraulic Model Update	Task Hours		10	40			50
	Task Cost		\$2,000	\$7,000			\$9,000
	Direct Expenses						\$0
	SubTotal		\$2,000	\$7,000			\$9,000
Task 2.3 – Develop Summary TM	Task Hours		4	8			12
	Task Cost		\$3,200	\$1,400			\$4,600
	Direct Expenses						\$0
	SubTotal		\$3,200	\$1,400			\$4,600
Total Task Cost Estimate							\$17,900
Task 3 – Evaluate Water Distribution and Metering Systems							
Task 3.1 - Evaluate Water Distribution & Metering System	Task Hours		8	20			28
	Task Cost		\$1,600	\$3,500			\$5,100
	Direct Expenses						\$0
	SubTotal		\$1,600	\$3,500			\$5,100
Task 3.2 – Develop Summary TM	Task Hours		4	12			16
	Task Cost		\$800	\$2,100			\$2,900
	Direct Expenses						\$0
	SubTotal		\$800	\$2,100			\$2,900
Total Task Cost Estimate							\$8,000
Task 4 – Evaluate Wells and Treatment Systems							
Task 4.1 - Field Visit	Task Hours			24			24
	Task Cost			\$4,200			\$4,200
	Direct Expenses					\$59	\$59
	SubTotal			\$4,200			\$4,259
Task 4.2 – Evaluate Wells & Treatment Systems	Task Hours		8	20			28
	Task Cost		\$1,600	\$3,500			\$5,100
	Direct Expenses						\$0
	SubTotal		\$1,600	\$3,500			\$5,100
Task 4.3 – Develop Summary TM	Task Hours		4	12			16
	Task Cost		\$800	\$2,100			\$2,900
	Direct Expenses						\$0
	SubTotal		\$800	\$2,100			\$2,900
Total Task Cost Estimate							\$12,259
Task 5 – Source Capacity and Storage Analysis							
Task 5.1 - Evaluate Source Capacity and Storage	Task Hours		4	12			16
	Task Cost		\$800	\$2,100			\$2,900
	Direct Expenses						\$0
	SubTotal		\$800	\$2,100			\$2,900
Task 5.2 – Develop Summary TM	Task Hours		4	8			12
	Task Cost		\$800	\$1,400			\$2,200
	Direct Expenses						\$0
	SubTotal		\$800	\$1,400			\$2,200
Total Task Cost Estimate							\$5,100
Task 6 – Capital Improvement Plan							
Task 6.1 – Develop CIP	Task Hours	8	16	40			64
	Task Cost	\$1,800	\$3,200	\$7,000			\$12,000
	Direct Expenses						\$0
	SubTotal	\$1,800	\$3,200	\$7,000			\$12,000
Total Task Cost Estimate							\$12,000
Task 7 – Draft and Final Master Plan Update Preparation							
Task 7.1 - Draft Master Plan	Task Hours	4	20	20	2		46
	Task Cost	\$900	\$4,000	\$3,500	\$166		\$8,566
	Direct Expenses					\$200	\$200
	SubTotal	\$900	\$4,000	\$3,500	\$166		\$8,766
Task 7.2 – Presentations to City Staff/Council	Task Hours	20	20				40
	Task Cost	\$4,500	\$4,000				\$8,500
	Direct Expenses					\$59	\$59
	SubTotal	\$4,500	\$4,000				\$8,559
Task 7.3 – Final Master Plan	Task Hours		6	10	2		18
	Task Cost		\$1,200	\$1,750	\$166		\$3,116
	Direct Expenses					\$100	\$100
	SubTotal		\$1,200	\$1,750	\$166		\$3,216
Total Task Cost Estimate							\$20,541
SUMMARY	Total LSCE Hours	46	148	266	4		460
	Total LSCE Cost	\$10,350	\$32,000	\$46,550	\$332		\$89,232
	Direct Expenses					\$417	\$417
Total Cost Estimate							\$89,649