

SAMPLE LABOR HOUR MATRIX
HARVEST WATER PROGRAM

	KEY TEAM MEMBERS								LEAD TEAM MEMBERS							OTHER TEAM MEMBERS						CADD AND PRODUCTION				TOTAL PRIME HOURS	SUBCONSULTANTS		TOTAL SUBCONSULTANT HOURS	TOTAL HOURS
	Project Manager	Design Manager	Project Engineer 1	Project Engineer 2	Project Engineer 3	Project Engineer 4, etc.	BIM Manager	Scheduler	Process	Civil	Structural	Mechanical	Electrical	I&C	Commissioning	Process	Civil	Structural	Mechanical	Electrical	I&C	Senior CADD	CADD	Project Controls	Admin		SUBCONSULTANT 1	SUBCONSULTANT 2		
Phase 1 - Planning																														
<i>Task 1 - Project Management and BODR Confirmation Tasks</i>																														
1.1 - Project Management																														
1.2 - BODR Review and Confirmation																														
Phase 1 - Subtotal																														
Phase 2 - Design																														
<i>Task 2.1 - Preliminary Design Report</i>																														
2.1.01 - Project Management																														
2.1.02 - Hydraulic Modeling																														
2.1.03 - Permitting Assistance																														
2.1.04 - Risk Management Plan																														
2.1.05 - QA/QC																														
2.1.06 - Construction Cost Estimate																														
2.1.07 - Preliminary Construction Schedule																														
2.1.08 - Field Survey																														
2.1.09.1 - Review of Existing Data - Preliminary Geotechnical Report																														
2.1.09.2 - Subsurface Exploration																														
2.1.09.3 - Geotechnical Report																														
2.1.10 - Coordination with Other Projects																														
2.1.11 - TM1 Design Criteria																														
2.1.12 - TM2 Site Development and Layout																														
2.1.13 - TM3 Electrical and Instrumentation																														
2.1.14 - TM4 Buildings and Structures																														
2.1.15 - TM5 Implementation Plan																														
2.1.16 - TM6 Reliability Centered Design Workshop																														
2.1.17 - PDR - Draft																														
2.1.18 - PDR Review Workshop																														
2.1.19 - PDR - Final																														
Task 2.1 - Subtotal																														
<i>Task 2.2 - Design Submittal #1</i>																														
2.2.01 - Project Management																														
2.2.02 - Risk Management Plan																														
2.2.03 - QA/QC																														
2.2.04 - Construction Cost Estimate																														
2.2.05 - Construction Schedule																														
2.2.06 - Coordination with Other Projects																														
2.2.07 - Drawings and Design Development																														
2.2.08 - Specifications																														
2.2.09 - Design Related Documents																														
2.2.10 - DS1 Submittal and Design Review Workshops																														
2.2.11 - Responses to Review Comments and Validation Workshop																														
2.2.12 - Constructability Review																														
Task 2.2 - Subtotal																														
<i>Task 2.3 - Design Submittal #2</i>																														
2.3.01 - Project Management																														
2.3.02 - QA/QC																														
2.3.03 - Construction Cost Estimate																														
2.3.04 - Construction Schedule																														
2.3.05 - Coordination with Other Projects																														
2.3.06 - Drawings and Design Development																														
2.3.07 - Specifications																														
2.3.08 - Design Related Documents																														
2.3.09 - DS2 Submittal and Design Review Workshops																														
2.3.10 - Responses to Review Comments and Validation Workshop																														
Task 2.3 - Subtotal																														
<i>Task 2.4 - Design Submittal #3 and Bid Documents</i>																														
2.4.01 - Project Management																														
2.4.02 - Risk Management Plan-Construction and Commissioning																														
2.4.03 - QA/QC																														
2.4.04 - Construction Cost Estimate																														
2.4.05 - Construction Schedule																														
2.4.06 - Coordination with Other Projects																														
2.4.07 - Drawings and Design Development																														
2.4.08 - Specifications																														
2.4.09 - Design Related Documents																														
2.4.10 - DS3 Submittal and Design Review Workshops																														
2.4.11 - Responses to Comments and Validation Workshop																														
2.4.12 - Bid Set Submittal																														
Task 2.4 - Subtotal																														
Phase 2 - Subtotal																														
Phase 3 - Bid & Award																														
<i>3.1 - Project Management</i>																														
3.2 - Respond to Bidders' Questions																														

