


Project Complexity and Sizing

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2		Pacific Gas and Electric Company*														
3																
4																
5																
6		Application Development Project Complexity and Sizing Worksheet														
7																
8																
9		Date Checklist Completed:	6/29/2009													
10		ITWR # (if applicable):														
11		Proposal Description:	Electric Distribution Operations (Program 13)													
12		Client Portfolio Lead:														
13		Anticipated Start Date of Project (MM/DD/YYYY):	1/1/2011													
14		Anticipated End Date of Project (MM/DD/YYYY):	12/31/2013													
15																
16		Please provide a response for ALL criterial. The responses provided impact the Total Score for the proposed project, which helps determine the Preliminary Project Cost.														
17		#	CRITERIA	RESPONSE	ASSUMPTIONS	SCORE										
18		1	Expected duration of the project (in weeks):	166	(Calculated Based on Anticipated Start/End Dates, above)	6										
19		2	Anticipated ISTS Application Development Labor Days	329	Significant IT participation	3										
20		3	How many 3rd party vendor firms will provide services for this project?	3 or More	DMS, OMS, SCADA	6										
21		4	If the technology is known, has it been successfully implemented before at PG&E?	Yes	Continuation of ED operations	6										
22		5	How well are the Requirements for this proposal known by the Business (have the Requirements been documented)?	Medium	Business Requirements known, but formal requirements have not yet been developed	6										
23		6	Is there a pre-existing PG&E support group to maintain/support the application?	Yes	Addition to current support teams	2										
24		7	What is the level of dependency on other projects (e.g. resources, deliverables, etc)?	Medium	Shared IT resources, Dist Automation	2										
25		8	Will the system exchange or provide data to any entities outside of PG&E (suppliers, customers, regulatory agencies, etc)?	No	No direct data sharing	4										
26		9	What is the level of criticality of the system to the users and PG&E customers?	Business Critical	Reliability	12										
27		10	How many internal PG&E users will be impacted by this project?	101-500	Multiple business units partipating and affected	6										
28		11	What is the anticipated amount of formal training that will be required for PG&E users?	High	New technology and potential changes to business processess	9										
29		12	How many PG&E Lines of Business (LOBs) will be impacted by the project?	1	Electric Distribution Operations	3										
30																
31																
32		Additional Notes & Assumptions:														
33																
34		Distribution Outage & Restoration Systems (DORS) are a large part of the overall Electric Distribution Operations program. Twelve of the 17 line items are related directly to DORS. Control center activities.														
35																
36																



Application Development Preliminary Project Costing Checklist

Legend	
Enterable/Modifiable	
Overwritten	
Not Updatable	
Default Value	

Date Checklist Completed:	4/29/2011
ITWR # (if applicable):	0
Proposal Description:	Electric Distribution Operations (Program 13)
Client Portfolio Lead:	0
Anticipated Start Date of Project (MM/DD/YYYY):	1/1/2011
Anticipated End Date of Project (MM/DD/YYYY):	12/31/2011

	Weight
PG&E ISTS Labor Blended Daily Rate per Resource	\$941.16
External ISTS Labor Blended Daily Rate per Resource	\$1,481.52
COMBINED ISTS BLENDED DAILY RATE PER RESOURCE	\$1,100.27
PG&E Business Labor Blended Daily Rate per Resource	\$995.28
External Business Labor Blended Daily Rate per Resource	\$1,892.89
COMBINED BUSINESS BLENDED DAILY RATE PER RESOURCE	\$1,244.63

APPLICATION DEVELOPMENT LABOR

PRIMARY COST CRITERIA	COMMENTS / ASSUMPTIONS	PRELIMINARY EFFORT (DAYS)			PRELIMINARY COST		
		LOW	MID	HIGH	LOW	MID	HIGH
ISTS APPLICATION DEVELOPMENT							
ISTS Application Development Labor Days (Project Management through Service Introduction/Deployment), including Middleware, Integration, Configuration, etc.	Heavy IT Participation	246	329	411	\$271,616	\$362,424	\$453,029
	Default Calculated Labor Days:	246	329	411	\$271,616	\$362,424	\$453,029
PG&E BUSINESS							
PG&E Business Labor	20% of App Dev Labor (Default = 20% of App Dev Labor)	49	66	82	\$61,323	\$81,772	\$102,216
TECHNICAL ARCHITECTURE							
Technical Architecture Labor Days (Analyze/Design/Build/Test) for Development, Execution, and Operations environments necessary to support the Application.	30% of App Dev Labor (Default based on Number of Users Impacted)	74	99	123	\$81,645	\$108,727	\$138,908
USER TRAINING & PERFORMANCE SUPPORT							
User Training and Performance Support Labor Days (Analyze/Design/Build/Test) for the effort to create Training Material and Communications Plan to support the Application rollout.	30% of App Dev Labor (Default based on Anticipated Amount of Formal User Training)	74	99	123	\$81,645	\$108,727	\$138,908
	LABOR DAYS SUBTOTAL:	443	591	739	\$498,236	\$661,650	\$852,053
	Project Complexity and Size Factor:	133	177	223	\$146,871	\$196,496	\$248,119
	TOTAL LABOR DAYS:	577	769	961	\$645,107	\$860,146	\$1,075,182

Application Development Preliminary Project Costing Checklist

Default Value

Date Checklist Completed:	8/28/2008
ITWR # (if applicable):	6
Proposal Description:	Electric Distribution Operations (Program 13)
Client Portfolio Lead:	6

HARDWARE LABOR, MATERIALS, AND OTHER COSTS

PRIMARY COST CRITERIA	COMMENTS / ASSUMPTIONS	PRELIMINARY COST		
		LOW	MID	HIGH
INFRASTRUCTURE				
Hardware, Network, etc Costs (includes Labor)	(Default based on User Impact)	\$300,000	\$450,000	\$600,000
System/Data Availability and Recovery	(Default Based on System Criticality and Data Protection/Retention Requirements)	\$300,000	\$450,000	\$600,000
USER TRAINING				
User Training Materials Costs	(Default Based on Anticipated Amount of Formal User Training)	\$21,250	\$27,625	\$34,000
MISCELLANEOUS COSTS				
Miscellaneous/Additional Costs (Licensing, Overheads - Facilities Costs, Telephony, etc)	Enterprise Integration for multiple interfaces, hardware, Telephony	\$15,000,000	\$17,750,000	\$20,500,000
	COST SUBTOTAL:	\$15,621,250	\$18,677,625	\$21,734,000
	Project Complexity and Size Factor:	\$4,888,375	\$5,803,288	\$6,620,200
	TOTAL HARDWARE, MATERIALS, AND OTHER COSTS:	\$20,509,625	\$24,480,913	\$28,354,200

TOTAL PRELIMINARY PROJECT COST:	LOW	MID	HIGH
	\$20,953,000	\$25,141,000	\$29,329,000

