



Application Development Preliminary Project Costing Checklist

Legend	
Enterable/Modifiable	
Overwritten	
Not Updatable	
Default Value	

Date Checklist Completed:	8/29/2009
ITWR # (if applicable):	0
Proposal Description:	Electric Distribution Maintenance (Program 2)
Client Portfolio Lead:	0
Anticipated Start Date of Project (MM/DD/YYYY):	6/1/2011
Anticipated End Date of Project (MM/DD/YYYY):	12/31/2014

	Weight
PG&E ISTS Labor Blended Daily Rate per Resource	\$941.16 70%
External ISTS Labor Blended Daily Rate per Resource	\$1,481.52 30%
COMBINED ISTS BLENDED DAILY RATE PER RESOURCE	\$1,103.27
	Weight
PG&E Business Labor Blended Daily Rate per Resource	\$995.28 75%
External Business Labor Blended Daily Rate per Resource	\$1,992.59 25%
COMBINED BUSINESS BLENDED DAILY RATE PER RESOURCE	\$1,244.93

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.	(You Must Enter An Assumption)	246	329	411	\$271,818	\$382,424	\$453,029
	Default Calculated Labor Days:	246	329	411	\$271,818	\$382,424	\$453,029
PG&E BUSINESS							
PG&E Business Labor	% of App Dev Labor 20% (Default = 20% of App Dev Labor)	49	66	82	\$61,329	\$81,772	\$102,215
TECHNICAL ARCHITECTURE							
Technical Architecture Labor Days (Analyze/Design/Build/Test) for Development, Execution, and Operations environments necessary to support the Application.	(Default based on Number of Users Impacted)	123	164	205	\$135,806	\$181,212	\$226,515
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.	(Default based on Anticipated Amount of Formal User Training)	49	66	82	\$54,364	\$72,485	\$90,606
	LABOR DAYS SUBTOTAL:	496	624	780	\$623,419	\$847,892	\$1,072,365
	Project Complexity and Size Factor:	140	187	234	\$187,926	\$259,369	\$329,719
	TOTAL LABOR DAYS:	636	811	1,014	\$811,345	\$1,107,261	\$1,402,084

Application Development Preliminary Project Costing Checklist

Default Value

Date Checklist Completed: 8/29/2008

ITWR # (if applicable): 0

Proposal Description: Electric Distribution Maintenance (Program 2)

Client Portfolio Lead: 0

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)	\$3,000,000	\$4,000,000	\$6,000,000
System/Data Availability and Recovery	(Default Based on System Criticality and Data Protection/Retention Requirements)	\$2,250,000	\$3,000,000	\$3,750,000
USER TRAINING				
User Training Materials Costs	(Default Based on Anticipated Amount of Formal User Training)	\$100,000	\$250,000	\$400,000
MISCELLANEOUS COSTS				
Miscellaneous/Additional Costs (Licensing, Overheads - Facilities Costs, Telephony, etc)	Multiple system upgrades	\$1,950,000	\$2,325,000	\$2,700,000
	COST SUBTOTAL:	\$7,200,000	\$9,575,000	\$11,860,000
	Project Complexity and Size Factor:	\$2,190,000	\$2,972,500	\$3,866,000
	TOTAL HARDWARE, MATERIALS, AND OTHER COSTS:	\$9,490,000	\$12,447,500	\$15,406,000

TOTAL PRELIMINARY PROJECT COST:	LOW	MID	HIGH
	\$10,170,000	\$13,355,000	\$16,639,000

Project Start Date	Project End Date	work effort in days	duration in days	PM %	PM Days	Plan thru Deploy Days
1/1/2011	12/31/2013	1,014	1,095	10%	101	913

Stage	Start Date	End Date	Typical Work Allocation Percentage by Stage	% of stage effort (no net change)	Override stage effort (override Col C)	Stage Work Days	% stage duration	Duration in days	Net Work Days
Project Mgmt	1/1/2011	12/31/2013				101			792
Plan	1/1/2011	3/29/2011	1-5%	8%	5%	73	8%	86	82
Analyze	3/29/2011	7/17/2011	5-10%	10%	10%	91	10%	110	79
Design	7/17/2011	2/21/2012	15-38%	20%	20%	183	20%	219	157
Build	2/21/2012	1/14/2013	25-60%	30%	30%	274	30%	329	235
Test	1/14/2013	8/21/2013	10-25%	20%	20%	183	20%	219	158
Deploy	8/21/2013	12/31/2013	3-5%	12%	12%	110	12%	131	85
			100%	100%	100%	1014.24	100%	1,095	

resource pools:

Roles	Workdays
Percentage Total	
100.0%	101
100.0%	73
100.0%	91
100.0%	183
100.0%	274
100.0%	183
100.0%	110

FTEs																	
various	various	various	Env CoE	various App Services	Software QA	DBA CoE	SP&A	Infrastructure	various App Services	Env CoE	Env CoE	various	Business	Deployment CoE			
Business Analysts	Project Manager	Application Designer	Computer Manager	Programmer	Test Lead & Tester	Database Administrator Data Architect	Technical Architect	Technical Architect	Technical Architect	Technical Architect	Technical Architect	Technical Operations Support Specialist	Integration Solution Architect & Designer	Human Performance Analyst	Training Administrator	Deployment Lead's Specialist	Max FTEs (rounded to two decimal #s)
0.5				0.5	0.5											0.5	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.5																	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5