	А	В	С	D		K	N	0	Р
1	0000000000000								
2		Pacific Gas and					Legend		
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4	(龍)(2)-41						Overwr	tten	
5						Not Updatable		iatable	
6	Applicat	ion Development Project Complexity and Sizing Worksheet					Default	Value	
7									
8									
		Date Checklist Completed:	4/1/2009						
9								↓ →	
40		ITWR # (if applicable):							
10								├ ──┤	
11		Proposal Description:							
· ·						200200000000000000000000000000000000000		<u> </u>	
12		Client Portfolio Lead:	Bill DePrater						
		Authorization of Deats of Deats of MM/DD 000000	414/2044	naciona de la companya de la company		1			
13		Anticipated Start Date of Project (MM/DD/1111):	1/1/2011						
		Anticipated End Date of Project (MM/DD/YYYY):	12/31/2013						
14			12/3/12013						
15								↓ →	
16	Please pr	ovide a response for ALL criteria! The responses provided impact	the Total Score for the pro	posed projec	t, which helps determine the Preliminary Project Cost.				
10						1		├ ───┤	
	#	CRITERIA	RESPONSE		ASSUMPTIONS	SCORE			
17									
	1	Expected duration of the project (in weeks):	156		(Calculated Based on Anticipated Start/End Dates, above)	6			
18									
	2	Anticipated ISTS Application Development Labor Days	1425		(Please Enter An Assumption)	3			
19		· · · · · · · · · · · · · · · · · · ·			(
2 How many 2rd party yandar firms will provi		How many 3rd party yandor firms will provide services for this project?	1-2		(Please Enter An Assumption)				
20	0		172		(riedse Lindri in riesdinipalen)	•			
21 If the technology is known, has it been successfully implemented be PG&E?		If the technology is known, has it been successfully implemented before at	Vac		(Places Ester As Assumption)				
		PG&E?	165		(Flease Line: All Assumption)				
How well are the Requirements for this proposal		How well are the Requirements for this proposal known by the Business (have	11 - diam						
22	5	the Requirements been documented)?	Mealum		(Please Enter An Assumption)	0			
			ation? Yes (Please Enter An Assumption)						
23	6	Is there a pre-existing PG&E support group to maintain/support the application?			(Please Enter An Assumption)	2			
		What is the level of dependency on other projects (e.g. resources, deliverables	.g. resources, deliverables, Low (Please Enter						
24	7	etc)?			(Please Enter An Assumption)				
24		Will the system exchange or provide date to any entities outside of BC 8E							
25	8	(suppliers customers regulatory agencies etc)?	No		(Please Enter An Assumption)	4			
25		(suppliers, customers, regulatory agencies, etc):							
	9	What is the level of criticality of the system to the users and PG&E customers?	Business Importa	int	(Please Enter An Assumption)	9			
26						<u> </u>		↓ →	
	10	How many internal PG&E users will be impacted by this project?	>500		(Please Enter An Assumption)	9			
27									
	11	What is the anticipated amount of formal training that will be required for PG&E	Low		(Please Enter An Assumption)				
28		users?			() intervention () in a resolution of ()				
	12	How many PC&E Lines of Pusiness // OPs) will be impacted by the project?	1		(Diagon Enter An Accumption)				
29	12	now many Foac times of business (LODs) will be impacted by the project?	1		(Piease Enici An Assumption)	1,2			
30					IOTAL SCORE:	00			

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Cell: B18 Comment: Duration is calculated based on the above start and end project dates. Cell: B19 Comment: High level estimate of application development labor days (project management through service introduction/deployment) including middleware, integration, configuration, etc. Cell: B20 Comment: This indicates the number of 3rd-party vendor firms, NOT individual contributors and is intended to reflect potential additional project management effort to manage external vendors Cell: B21 Comment: Has the technology to be implemented during the project been previously implemented at PG&E? How familiar are the project resources with the technology? Cell: C21 Comment: Yes = The technology has been successfully implemented before at PG&E. Resources are very familiar with the technology. No = The technology has not been attempted or implemented successfully previously. Resources have little or no familiarity with the technology. Cell: B22 Comment: Does the Business fully understand their needs in completing the project? Have their needs been agreed to and documented? Cell: C22 Comment: Low = The Business has no knowledge of the Requirements for the proposal: no Requirements have been discussed or documented. Medium = The Business has minimal knowledge of the Requirements for the proposal; some of the Requirements have been discussed and documented. High = The Business has a good understanding of the Requirements for the proposal; many of the Requirements have been discussed and documented. Cell: B23 Comment: Can the proposed project/application be maintained and supported by an existing PG&E support group (Help Desk, Operations Group, System Administrators, etc)? Cell: C23 Comment: Yes = The project/application can be maintained and supported by an existing PG&E support group No = The project/application cannot be maintained and supported by an existing PG&E support group Cell: B24 Comment: Are any of the proposed project's resources, deliverables, processes, or technology dependent on any other project or initiative? Cell: C24 Comment: Low = The proposed project has little or no dependency on other projects or initiatives Medium = The proposed project has some dependency on other projects or initiatives High = The proposed project is highly dependent on other projects or initiatives

Cell: B25

Comment: Is data being passed through the PG&E firewall? May impact project risk and complexity.

Cell: C25

Comment: No = No data will be passed through the PG&E firewall

Yes = Data will be passed through the PG&E firewall

Cell: B26 Comment: A measure of the criticality of the system to users and PG&E customers

Cell: C26

Comment: Business Critical: requires the highest possible availability; outage/failure recovery time is minutes or hours (e.g., SCADA systems)

Business Important: requires high availability; outage/failure recovery time is less than 24 hours

Business Standard: default category, most systems will fit this category; does not require high availability; outage/failure recovery time is less than 2 days

Business Historical; does not require high availability; outage/failure recovery time is 2-5 days (e.g., storage systems)

Cell: B27

Comment: Measures the degree of change/impact to the organization. Higher numbers imply greater need for change management, training, and number of new/modified business processes.

Pacific Gas and Electric 3/30/2010 Cell: B28 Comment: A measure of the total effort required to formally train all users, considering that multiple users may be trained concurrently (e.g., classroom)

Cell: C28 Comment: Low = <7 Hours of Deliverable Content Medium = 8-14 Hours of Deliverable Content High = >14 Hours of Deliverable Content

Cell: B29 Comment: The PG&E Lines of Business are:

Energy Delivery Engineering & Operations Customer Care Generation Energy Procurement Finance HR Risk & Audit Shared Services

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APPLICATION DEVELOPMENT LABOR

	PRELIMINARY EFFORT (DAYS)					PRELIMINARY COST			
PRIMARY COST CRITERIA	CC	MMENTS / ASSUMPTIONS	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)	1,069	1,425	1,781	\$1,179,118	\$1,572,157	\$1,965,196	
		Default Calculated Labor Days:	1,069	1,425	1,781	\$1,179,118	\$1,572,157	\$1,965,196	
PG&E BUSINESS	%of App Dev Labor								
PG&E Business Labor	20%	(Default = 20% of App Dev Labor)	214	285	356	\$266,040	\$354,720	\$443,400	
TECHNICAL ARCHITECTURE	%of App Dev Labor	Printle							
Technical Architecture Labor Days (Analyze/Design/Build/Test) for Development, Execution, and Operations environments necessary to support the Application.	30%	(Default based on Number of Users Impacted)	321	428	534	\$353,735	\$471,647	\$589,559	
USER TRAINING & PERFORMANCE SUPPORT	%of App Dev Labor				••••••••••••••••••••••••••••••••••••••				
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.	10%	(Default based on Anticipated Amount of Formal User Training)	107	143	178	\$117,912	\$157,216	\$196,520	
	•	LABOR DAYS SUBTOTAL:	1,710	2,280	2,850	\$1,916,805	\$2,555,740	\$3,194,675	
		Project Complexity and Size Factor:	342	456	570	\$383,361	\$511,148	\$638,935	
		TOTAL LABOR DAYS:	2,052	2,736	3,420	\$2,300,166	\$3,066,888	\$3,833,610	

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Application Development Preliminary Project Costing Checklist		Default Value
Date Checklist Compl	rted: 4/1/2009	
ITWR# (if applica	ble): 0	
Proposal Descrip	tion:	Operate and Maintain
Client Portfolio I	ead: Bill DePrater	

HARDWARE LABOR, MATERIALS, AND OTHER COSTS					
		PRELIMINARY COST			
PRIMARY COST CRITERIA	COMMENTS / ASSUMPTIONS	LOW	MID	HIGH	
INFRASTRUCTURE					
Hardware, Network, etc Costs (includes Labor)	(Default based on User Impact)	\$1,500,000	\$2,100,000	\$2,300,000	
System/Data Availability and Recovery	(Default Based on System Criticality and Data Protection/Retention Requirements)	\$1,125,000	\$1,575,000	\$1,725,000	
USER TRAINING	1241				
User Training Materials Costs	(Default Based on Anticipated Amount of Formal User Training)	\$8,500	\$14,875	\$21,250	
MISCELLANEOUS COSTS	E dan				
Miscellaneous/Additional Costs (Licensing, Overheads - Facilities Costs, Telephony, etc)	(You Must Enter An Assumption)	\$0	\$0	\$0	
	COST SUBTOTAL:	\$2,633,500	\$3,689,875	\$4,046,250	
	Project Complexity and Size Factor:	\$526,700	\$737,975	\$809,250	

TOTAL HARDWARE, MATERIALS, AND OTHER COSTS: \$3,160,200 \$4,427,850 \$4,855,500

	LOW MID HIGH
TOTAL PRELIMINARY PROJECT COST:	\$5,460,000 \$7,495,000 \$8,689,000

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1/1/2011	Date	Project Start			
12/31/2013	Date	Project End			
3,420	in days	work effort			
1,095	days	duration in			
10%	PM %				
342	PM Days				
3,078	Days	Deploy	thru	Plan	

	Deploy	Tes	Build	Design	Anatyze	Plan	Project Mgmt		Stage			1/1/2011	
	/ 8/21/2013	t 1/14/2013	1 2/21/2012	7/17/2011	3/29/2011	1/1/2011	t 1/1/2011		Start Date			12/31/2013	
	12/31/2013	8/21/2013	1/14/2013	2/21/2012	7/17/2011	3/29/2011	12/31/2013		End Date			3,420	
	3-5%	10-25%	25-60%	15-35%	5-10%	1-5%			Typical Work Allocation Percentage by Stage			1,095	
100%	12%	20%	30%	20%	10%	8%			% of stage effort (do not change)			10%	
100%	12%	20%	30%	20%	10%	8%			Override stage effort (override Col C)			342	
3420 1	369	616	923	616	308	246	342		Stage Work Days			3,078	
100% 1	12%	20%	30%	20%	10%	8%			% stage duration				
,095	131	219	329	219	110	88			Duration in days				
	95	158	235	157	79	62	782		Net Work Days		-4		
1		1	1		1			1		pools:	esource		
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		Percentage Total			Roles	Second Statement of the second s
	369	616	923	616	308	246	342	3,420	Workday Total			/orkday	のなないのであるのであるのであるのであるのであるのであるのであるのであるのであるのである
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		ł	-	1	1	1	0.5	0.5	Project Manager	various			
	0.5	ı		0.5	-	1	-	0.5	Application Designer	various			
		1		1		1		1	Configuration Manager	Env CoE			1000
		0.5	1.0	1	-	1		1.0	Programmer	Services	App		a secondary
		2.0	0.5	1		1		2.0	Test Lead & Tester	QA	Software		and a second and
		•		,		1		1	Database Administrator/ Data Architect	C off	DBA		A DOWNER WITH THE PARTY OF
		•		1		1.0		1.0	Technical Architect	SP&A		FIE	Carbonic and
		1	0.5	0.5	0.5	1		0.5	Technical Architect	cture s	nfrastru	Ś	A STATE OF BUILDING TO BUILDING BUILDIN
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		1		1		-		1	Integration Solution Architect & Designer	various			CUCK.
	0.5	1.0	1.0	1.0	1.0	0.5		1.0	Human Performance Architect Training Administrator	Business			The states of
	2.0	+	-	ł	-	0.5	-	2.0	Deployment Lead & Specialist Service Introduction Lead	C°E	Deployment		ANNOTES AND
	2.0	2.0	1.0	1.0	1.0	2.0	0.5		Max FTEs (rounded to the nearest .5 fte)				1000