

APPENDIX D – COST ESTIMATE SPREADSHEETS

**Table D-1
Cost Matrix Summary**

Improvement	CONCESSION AREA								Total
	Misc. Costs	Putah Creek	Rancho Monticello	Berryessa Marina	Spanish Flat	Steele Park	Pleasure Cove	Markley Cove	
Roads/Parking Lots	*	*	*	*	*	*	*	*	
	*	121,450	412,950	141,200	123,750	167,550	163,700	112,500	1,243,100
Electrical Systems	*	*	*	*	*	*	*	*	
Electrical Utilities	*	37,500	19,000	31,000	24,500	42,000	19,000	21,000	194,000
Potable Water	*	*	*	*	*	*	*	*	
Treatment Facility Upgrades	*	89,000	34,000	220,000	N/A	N/A	45,000	64,000	452,000
Storage Tanks	*	30,000	72,500	22,500	175,000	N/A	22,000	86,500	408,500
Demolition of Existing Facilities	*	2,500	2,500	5,000	10,000	N/A	2,500	2,500	25,000
Waste Water	*	*	*	*	*	*	*	*	
Pond Upgrades	*	307,000	928,000	142,500	387,500	N/A	692,000	127,500	2,584,500
Lift Stations	*	296,500	728,000	281,000	326,500	310,000	287,000	325,000	2,554,000
Demolition of Existing Facilities	*	30,000	65,000	50,000	30,000	40,000	50,000	30,000	295,000
Dock Facilities	*	*	*	*	*	*	*	*	
Remove Nonretainable docks	*	114,600	95,850	133,200	94,200	67,020	68,580	52,200	625,650
New floating docks	*	N/A	N/A	1,018,280	764,280	535,780	N/A	418,360	2,736,700
Electrical Utilities	*	N/A	N/A	15,500	5,000	N/A	N/A	15,000	35,500
Fire Protection	*	N/A	N/A	9,600	7,200	4,800	N/A	3,600	25,200
Waste Pumpout System	*	N/A	N/A	N/A	N/A	N/A	N/A	60,000	60,000
Remove Fueling Facilities	*	500	N/A	N/A	N/A	N/A	5,500		6,000
New Fueling Facilities	*	N/A	9,000	69,000	22,000	29,000	N/A	35,000	164,000
Boat Launch Ramps	*	*	*	*	*	*	*	*	
Repair surface	*	15,000	15,000	10,000	30,000	5,000	5,000	25,000	105,000
Slope Protection	*	19,000	N/A	7,600	22,800	N/A	N/A	15,200	64,600
New courtesy docks	*	45,600	45,600	73,500	45,600	45,600	22,800	45,600	324,300
Signage		500	500	500	500	500	500	500	3,500
Miscellaneous Costs		*	*	*	*	*	*	*	
Trailer Removal	9,800,000	*	*	*	*	*	*	*	
Shoreline/Retaining Wall Removal	2,100,000	*	*	*	*	*	*	*	
Roadway Removal	3,500,000	*	*	*	*	*	*	*	
Sum Totals	15,400,000	1,109,150	2,427,900	2,230,380	2,068,830	1,247,250	1,383,580	1,439,460	27,306,550
Construction Staging (2.5%)	385,000	27,729	60,698	55,760	51,721	31,181	34,590	35,987	682,664
Subtotal	15,785,000	1,136,879	2,488,598	2,286,140	2,120,551	1,278,431	1,418,170	1,475,447	27,989,214
Contingencies (15%)	2,367,750	170,532	373,290	342,921	318,083	191,765	212,725	221,317	4,198,382
Total	\$18,152,750	\$1,307,411	\$2,861,887	\$2,629,060	\$2,438,633	\$1,470,196	\$1,630,895	\$1,696,763	\$32,187,596

Notes:

1) Totals are year 2002 costs. Prices will be escalated for inflation if construction is to take place after 2009.

Table D-2
Cost Matrix Summary - Marina Facilities
Putah Creek Resort

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
	<i>DOCKS AND RELATED ITEMS</i>				
1	Removal & Disposal of Deteriorated Docks	19,100	SF	\$6.00	\$114,600
				SUBTOTAL	\$114,600
	<i>BOAT LAUNCH RAMPS</i>				
1	Repair Boat Launch Ramp		LS		\$15,000
2	Place Rip-Rap slope protection	500	SY	\$38.00	\$19,000
3	Replace Courtesy Docks	2	EA	\$22,800.00	\$45,600
4	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$80,100
	<i>MARINA FUELING SYSTEM</i>				
1	Demolition		LS		\$500
				SUBTOTAL	\$500
				SUBTOTAL	\$195,200
				CONSTRUCTION STAGING (2.5%)	\$4,880
				SUBTOTAL	\$200,080
				CONTINGENCIES (15%)	\$30,012
				TOTAL PUTAH CREEK	\$230,092

**Table D-3
Cost Matrix Summary - Marina Facilities
Rancho Monticello Resort**

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
	<i>DOCKS AND RELATED ITEMS</i>				
1	Removal & Disposal of Deteriorated Docks	15,975	SF	\$6.00	\$95,850
				SUBTOTAL	\$95,850
	<i>BOAT LAUNCH RAMPS</i>				
1	Repair Boat Launch Ramp		LS		\$15,000
2	Replace Courtesy Docks	2	EA	\$22,800.00	\$45,600
3	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$61,100
	<i>MARINA FUELING SYSTEM</i>				
1	Tank Alarm	1	EA	\$2,000.00	\$2,000
2	Remove/Install Tank		LS		\$3,000
3	Tank Foundation		LS		\$4,000
				SUBTOTAL	\$9,000
				SUBTOTAL	\$165,950
				CONSTRUCTION STAGING (2.5%)	\$4,149
				SUBTOTAL	\$170,099
				CONTINGENCIES (15%)	\$25,515
				TOTAL RANCHO MONTICELLO	\$195,614

**Table D-4
Cost Matrix Summary - Marina Facilities
Lake Berryessa Resort**

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
	DOCKS AND RELATED ITEMS				
1	Removal & Disposal of Deteriorated Docks	22,200	SF	\$6.00	\$133,200
2	Floating Dock Replacement (1)	21,100	SF	\$38.00	\$801,800
3	Misc. Hardware		LS		\$80,000
4	Dock Anchoring	8	EA	\$5,000.00	\$40,000
5	Electrical Utilities Upgrade		LS		\$15,500
6	Fire Protection System	8	EA	\$1,200.00	\$9,600
7	New access docks	960	SF	\$38.00	\$36,480
8	New Aluminum Gangways (4' width)	8	EA	\$5,500.00	\$44,000
9	New Security Gates	8	EA	\$2,000.00	\$16,000
				SUBTOTAL	\$1,176,580
	BOAT LAUNCH RAMPS				
1	Repair Boat Launch Ramp		LS		\$10,000
2	Place Rip-Rap slope Protection	200	SY	\$38.00	\$7,600
3	Courtesy Docks	1	EA	\$73,500.00	\$73,500
4	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$91,600
	MARINA FUELING SYSTEM				
1	Demolition		LS		\$7,000
2	Tank Alarm	1	EA	\$2,000.00	\$2,000
3	On-shore Piping	800	LF	\$25.00	\$20,000
4	Dock Piping	800	LF	\$50.00	\$40,000
				SUBTOTAL	\$69,000
				SUBTOTAL	\$1,337,180
				CONSTRUCTION STAGING	\$33,430
				SUBTOTAL	\$1,370,610
				CONTINGENCIES (15%)	\$205,591
				TOTAL BERRYESSA MARINA	\$1,576,201
				TOTAL PER BERTH	\$4,941

Number of Berths = 319

Notes:

- (1) Floating dock costs include polyethylene encapsulated polystyrene floats with prefabricated galv. ste and composite decking
 - (2) Uncovered docks used for cost estimate
- Environmental/permitting costs are not included.

**Table D-5
Cost Matrix Summary - Marina Facilities
Spanish Flat Resort**

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
	DOCKS AND RELATED ITEMS				
1	Removal & Disposal of Deteriorated Docks	15,700	SF	\$6.00	\$94,200
2	Floating Dock Replacement (1)	15,840	SF	\$38.00	\$601,920
3	Misc. Hardware		LS		\$60,000
4	Dock Anchoring	6	EA	\$5,000.00	\$30,000
5	Electrical Utilities Upgrade		LS		\$5,000
6	Fire Protection System	6	EA	\$1,200.00	\$7,200
7	New access docks	720	SF	\$38.00	\$27,360
8	New Aluminum Gangways (4' width)	6	EA	\$5,500.00	\$33,000
9	New Security Gates	6	EA	\$2,000.00	\$12,000
				SUBTOTAL	\$870,680
	BOAT LAUNCH RAMPS				
1	Repair Boat Launch Ramp		LS		\$30,000
2	Place Rip-Rap slope protection	600	SY	\$38.00	\$22,800
3	Courtesy Docks	2	EA	\$22,800.00	\$45,600
4	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$98,900
	MARINA FUELING SYSTEM				
1	Demolition		LS		\$2,500
2	Tank Alarm	1	EA	\$2,000.00	\$2,000
3	On-shore Piping	200	LF	\$25.00	\$5,000
4	Dock Piping	250	LF	\$50.00	\$12,500
				SUBTOTAL	\$22,000
				SUBTOTAL	\$991,580
				CONSTRUCTION STAGING	\$24,790
				SUBTOTAL	\$1,016,370
				CONTINGENCIES (15%)	\$152,455
				TOTAL SPANISH FLAT	\$1,168,825
				TOTAL PER BERTH	\$4,790

Number of Berths = 244

Notes:

- (1) Floating dock costs include polyethylene encapsulated polystyrene floats with prefabricated galv. ste and composite decking
 - (2) Uncovered docks used for cost estimate
- Environmental/permitting costs are not included.

**Table D-6
Cost Matrix Summary - Marina Facilities
Steele Park Resort**

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
	<i>DOCKS AND RELATED ITEMS</i>				
1	Removal & Disposal of Deteriorated Docks	11,170	SF	\$6.00	\$67,020
2	Floating Dock Replacement (1)	10,560	SF	\$38.00	\$401,280
3	Misc Hardware		LS		\$50,000
4	Dock Anchoring	4	EA	\$5,000.00	\$20,000
5	Dock Decking Repair	1	LS		\$25,000
6	Electrical Utilities Upgrade		LS		\$0
7	Fire Protection System	4	EA	\$1,200.00	\$4,800
8	New access docks	250	SF	\$38.00	\$9,500
9	New Aluminum Gangways (4' width)	4	EA	\$5,500.00	\$22,000
10	New Security Gates	4	EA	\$2,000.00	\$8,000
				SUBTOTAL	\$607,600
	<i>BOAT LAUNCH RAMPS</i>				
1	Repair Boat Launch Ramp		LS		\$5,000
2	Courtesy Docks	2	EA	\$22,800.00	\$45,600
3	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$51,100
	<i>MARINA FUELING SYSTEM</i>				
1	Demolition		LS		\$3,000
2	Tank Alarm	1	EA	\$2,000.00	\$2,000
3	On-shore Piping		LS		\$4,000
4	Dock Piping	400	LF	\$50.00	\$20,000
				SUBTOTAL	\$29,000
				SUBTOTAL	\$687,700
				CONSTRUCTION STAGING	\$17,193
				SUBTOTAL	\$704,893
				CONTINGENCIES (15%)	\$105,734
				TOTAL STEELE PARK	\$810,626

Notes:

- (1) Floating dock costs include polyethylene encapsulated polystyrene floats with prefabricated galv. steel and composite decking
 - (2) Uncovered docks used for cost estimate
- Environmental/permitting costs are not included.

**Table D-7
Cost Matrix Summary - Marina Facilities
Pleasure Cove Resort**

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
	<i>DOCK AND RELATED ITEMS</i>				
1	Removal & Disposal of Deteriorated Docks	11,430	SF	\$6.00	\$68,580
				SUBTOTAL	\$68,580
	<i>BOAT LAUNCH RAMPS</i>				
1	Repair Boat Launch Ramp		LS		\$5,000
2	Courtesy Docks	1	EA	\$22,800.00	\$22,800
3	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$28,300
	<i>MARINA FUELING SYSTEM</i>				
1	Demolition		LS		\$5,500
				SUBTOTAL	\$5,500.00
				SUBTOTAL	\$102,380
				CONSTRUCTION STAGING	\$2,560
				SUBTOTAL	\$104,940
				CONTINGENCIES (15%)	\$15,741
				TOTAL PLEASURE COVE	\$120,680

**Table D-8
Cost Matrix Summary - Marina Facilities
Markley Cove Resort**

No.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL
DOCKS AND RELATED ITEMS					
1	Removal & Disposal of Deteriorated Dock	8,700	SF	\$6.00	\$52,200
2	Floating Dock Replacement (1)	7,920	SF	\$38.00	\$300,960
3	Dock Hardware		LS		\$40,000
4	Dock Anchoring	3	EA	\$5,000.00	\$15,000
5	Electrical Utilities Upgrade		LS		\$15,000
6	Fire Protection System	3	EA	\$1,200.00	\$3,600
7	Waste Pumpout System	1	LS		\$60,000
8	New access docks	1,050	SF	\$38.00	\$39,900
9	New Aluminum Gangways (4' width)	3	EA	\$5,500.00	\$16,500
10	New Security Gates	3	EA	\$2,000.00	\$6,000
				SUBTOTAL	\$549,160
BOAT LAUNCH RAMP					
1	Repair Boat Launch Ramp		LS		\$25,000
2	Place Rip-Rap slope protection	400	SY	\$38.00	\$15,200
3	Courtesy Docks	2	EA	\$22,800.00	\$45,600
4	Launch Ramp Signage		LS		\$500
				SUBTOTAL	\$86,300
MARINA FUELING SYSTEM					
1	Demolition		LS		\$3,500
2	Tank Alarm	1	EA	\$2,000.00	\$2,000
3	Tank Piping/Pump		LS		\$5,500
4	On-shore Piping (buried)	200	LF	\$35.00	\$7,000
5	Dock Piping	150	LF	\$50.00	\$7,500
6	Dispenser	1	EA	\$9,500.00	\$9,500
				SUBTOTAL	\$35,000
				SUBTOTAL	\$670,460
				CONSTRUCTION STAGING	\$16,762
				SUBTOTAL	\$687,222
				CONTINGENCIES (15%)	\$103,083
				TOTAL MARKLEY COVE	\$790,305
				TOTAL PER BERTH	\$4,568

Number of Berths = 173

Notes:

- (1) Floating dock costs include polyethylene encapsulated polystyrene floats with prefabricated galv. s and composite decking
 - 2) Courtesy dock cost based on 60' long x 10' wide estimate
 - (2) Uncovered docks used for cost estimate
- Environmental/permitting costs are not included.

**Table D-9
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Putah Creek Resort	Collector Roads	Pavement Deterioration	Limited Patching + 2.5" Overlay	0.8	miles of road (~20 feet wide)	\$78,750	\$63,000		
		Lack of Traffic Control	Striping & Signing	0.8	miles of road	\$1,000	\$800		
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	Secondary Roads East of Knoxville Rd.	Pavement Deterioration	Limited Patching + 1.5" Overlay	0.3	miles of road (~20 feet wide)	\$51,250	\$15,375		
		Pavement Deterioration	Limited Patching + 1.5" Overlay	0.7	miles of road (~12 feet wide)	\$30,750	\$21,525		
		Sharp Curves	Regrade	1	each	\$1,000	\$1,000		
		Dead End Road w/o Turnaround	Construct "T"	3	each	\$2,000	\$6,000		
		Lack of Traffic Control	Signing	1	miles of road	\$1,000	\$1,000		
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	Secondary Roads West of Knoxville Rd.	Pavement Deterioration	Limited Patching + 1" Overlay	0.5	miles of road (~12 feet wide)	\$22,500	\$11,250		
		Sharp Curves	Regrade	1	each	\$1,000	\$1,000		
		Lack of Traffic Control	Signing	0.5	miles of road	\$1,000	\$500		
	Total Estimate							\$121,450	

**Table D-10
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Rancho Monticello Resort	Collector Roads	Pavement Deterioration	3" Overlay	1.7	miles of road (~20 feet wide)	\$92,500	\$157,250		
		Lack of Traffic Control	Striping & Signing	1.7	miles of road	\$1,000	\$1,700		
		Landslide	New Retaining Wall	1000	square feet of wall face	\$25	\$25,000		
	Secondary Roads	Pavement Deterioration	2" Overlay	0.5	miles of road (~20 feet wide)	\$65,000	\$32,500		
		Pavement Deterioration	2" Overlay	4.6	miles of road (~12 feet wide)	\$39,000	\$179,400		
		Sharp Curves	Regrade	4	each	\$1,000	\$4,000		
		Dead End Road w/o Turnaround	Construct "T"	4	each	\$2,000	\$8,000		
		Lack of Traffic Control	Signing	5.1	miles of road	\$1,000	\$5,100		
	Total Estimate							\$412,950	

**Table D-11
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Lake Berryessa Marina Resort	Collector Roads	Pavement Deterioration	Limited Patching + 2.5" Overlay	0.9	miles of road (~20 feet wide)	\$78,750	\$70,875		
		Lack of Traffic Control	Striping & Signing	0.9	miles of road	\$1,000	\$900		
	Secondary Roads	Pavement Deterioration	Limited Patching + 1.5" Overlay	0.2	miles of road (~20 feet wide)	\$51,250	\$10,250		
		Pavement Deterioration	Limited Patching + 1.5" Overlay	1.7	miles of road (~12 feet wide)	\$30,750	\$52,275		
		Sharp Curves	Regrade	1	each	\$1,000	\$1,000		
		Dead End Road w/o Turnaround	Construct "T"	2	each	\$2,000	\$4,000		
		Lack of Traffic Control	Signing	1.9	miles of road	\$1,000	\$1,900		
	Total Estimate							\$141,200	

**Table D-12
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Spanish Flat Resort	Collector Roads	Pavement Deterioration	3" Overlay	0.4	miles of road (~20 feet wide)	\$92,500	\$37,000		
		Pavement Deterioration	Limited Patching + 2.0" Overlay	0.5	miles of road (~20 feet wide)	\$65,000	\$32,500		
		Dead End Road w/o Turnaround	Construct "T"	1	each	\$2,000	\$2,000		
		Lack of Traffic Control	Striping & Signing	0.9	miles of road	\$1,000	\$900		
	Secondary Roads	Pavement Deterioration	Limited Patching + 1" Overlay	2.1	miles of road (~12 feet wide)	\$22,500	\$47,250		
		Sharp Curves	Regrade	2	each	\$1,000	\$2,000		
		Lack of Traffic Control	Signing	2.1	miles of road	\$1,000	\$2,100		
	Total Estimate							\$123,750	

**Table D-13
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Steele Park Resort	Collector Roads	Pavement Deterioration	3" Overlay	0.4	miles of road (~20 feet wide)	\$92,500	\$37,000		
		Pavement Deterioration	Limited Patching + 2.0" Overlay	0.7	miles of road (~20 feet wide)	\$65,000	\$45,500		
		Lack of Traffic Control	Striping & Signing	1.1	miles of road	\$1,000	\$1,100		
	Secondary Roads	Pavement Deterioration	Limited Patching + 1" Overlay	0.5	miles of road (~20 feet wide)	\$37,500	\$18,750		
		Pavement Deterioration	Limited Patching + 1" Overlay	2.2	miles of road (~12 feet wide)	\$22,500	\$49,500		
		Dead End Road w/o Turnaround	Construct "T"	6	each	\$2,000	\$12,000		
		Sharp Curves	Regrade	1	each	\$1,000	\$1,000		
		Lack of Traffic Control	Signing	2.7	miles of road	\$1,000	\$2,700		
	Total Estimate							\$167,550	

**Table D-14
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Pleasure Cove Resort	Collector Roads	Pavement Deterioration	3" Overlay	1.4	miles of road (~20 feet wide)	\$92,500	\$129,500		
		Dead End Road w/o Turnaround	Construct "T"	1	each	\$2,000	\$2,000		
		Lack of Traffic Control	Striping & Signing	1.4	miles of road	\$1,000	\$1,400		
	Secondary Roads	Pavement Deterioration	2" Overlay	0.3	miles of road (~20 feet wide)	\$65,000	\$19,500		
		Pavement Deterioration	2" Overlay	0.2	miles of road (~12 feet wide)	\$39,000	\$7,800		
		Dead End Road w/o Turnaround	Construct "T"	1	each	\$2,000	\$2,000		
		Sharp Curves	Regrade	1	each	\$1,000	\$1,000	Survey and traffic plan required, additional curves may require modification	
		Lack of Traffic Control	Signing	0.5	miles of road	\$1,000	\$500		
	Total Estimate							\$163,700	

**Table D-15
Cost Estimate for Road Improvements**

Cost Estimate for Road Improvements									
Resort	Location	Condition	Recommended Repair	Quantity	Unit	Unit Cost	Total Cost	Comments	
Markley Cove Resort	Collector Roads	Pavement Deterioration	New pavement, 3" AC over 3" AB	0.7	miles of road (~20 feet wide)	\$116,000	\$81,200	0.2 miles of roadway to be abandoned	
		Dead End Road w/o Turnaround	Construct "T"	1	each	\$2,000	\$2,000		
		Sharp Curves	Regrade	2	each	\$1,000	\$2,000		
		Lack of Traffic Control	Striping & Signing	0.7	miles of road	\$1,000	\$700		
	Secondary Roads	Pavement Deterioration	New pavement, 2" AC over 2" AB	0.3	miles of road (~20 feet wide)	\$81,000	\$24,300	0.1 miles of roadway to be abandoned	
		Dead End Road w/o Turnaround	Construct "T"	1	each	\$2,000	\$2,000		
		Lack of Traffic Control	Signing	0.3	miles of road	\$1,000	\$300		
	Total Estimate							\$112,500	

**Table D-16
Cost Matrix Summary - Electrical Systems**

Improvement	CONCESSION AREA							Total
	Putah Creek	Rancho Monticello	Berryessa Marina	Spanish Flat	Steele Park	Pleasure Cove	Markley Cove	
ELECTRICAL UTILITIES	37,500	19,000	31,000	24,500	42,000	19,000	21,000	194,000
Sum Totals	37,500	19,000	31,000	24,500	42,000	19,000	21,000	194,000
Construction Staging (5%)	1,875	950	1,550	1,225	2,100	950	1,050	9,700
Subtotal	39,375	19,950	32,550	25,725	44,100	19,950	22,050	203,700
Contingencies (15%)	5,906	2,993	4,883	3,859	6,615	2,993	3,308	30,555
Total	\$45,281	\$22,943	\$37,433	\$29,584	\$50,715	\$22,943	\$25,358	\$234,255

Notes:

* Costs currently being prepared

1) Totals are year 2002 costs. Prices will be escalated for inflation if construction is to take place after 2009.

**Table D-17
Electrical Services Cost Summary
Putah Creek**

FACILITY #	FACILITY	UTILITY	COST TO UPGRADE	NOTE
PUCR1	FRONT GATE KIOSK	PG&E	\$ 500.00	1
PUCR2	GROCERY STORE	PG&E	\$ 7,500.00	
PUCR3	VIDEO ARCADE	PG&E	\$ 1,000.00	
PUCR4	FUEL TANK	FED FROM PUCR2	\$ 1,500.00	2
PUCR5	MOTEL	PG&E	\$ 1,000.00	
PUCR6	MANAGEMENT OFFICE	PG&E	\$ 4,500.00	
PUCR7	TRAILER 153	FED FROM PUCR2	\$ 1,000.00	
PUCR8	TRAILER 154	FED FROM PUCR5	\$ 1,000.00	3
PUCR9	TRAILER 155	FED FROM PUCR5	\$ 1,000.00	
PUCR10	TRAILER 23	PG&E	\$ 1,500.00	
PUCR11	TRAILER 39	PG&E	\$ 1,500.00	
PUCR12	MAINT. BUILDING & RESTROOMS	FED FROM PUCR6	\$ 2,500.00	
PUCR13	LAUNDRY & RESTROOMS	FED FROM PUCR5	\$ 6,000.00	4
PUCR14	CAMPGROUND KIOSK	PG&E	\$ 1,500.00	5
PUCR15	TRAILER 156A	PG&E		6
PUCR16	CAMPGROUND ENTRY RESTROOMS	PG&E	\$ 1,500.00	
PUCR17	CAMPGROUND RESTROOMS NORTH	PG&E	\$ 1,500.00	
PUCR18	CAMPGROUND CONCESSION	FED FROM PUCR17	\$ 500.00	7
PUCR19	PUMP HOUSE	PG&E		
PUCR20	MAINT. BUILDING	PG&E		
PUCR21	WATER TREATMENT	PG&E		
PUCR22	GAZEBO	FED FROM PUCR5	\$ 2,000.00	
			\$ 37,500.00	

NOTES

- 1 OVERHEAD SERVICE NOT TO CODE (USES ROMEX AND INCORRECTLY SUPPORTED)
- 2 HAZARDOUS AREA WIRING AT TANK NOT TO CODE (SEAL OFFS MISSING)
- 3 CODE VIOLATION (30 AMP - SERVICE UNDERSIZED)
- 4 CODE VIOLATION (OVERHEAD SERVICE HAS INADEQUATE CLEARANCE FROM MOTEL)
- 5 CODE VIOLATION (SERVICE CABLES UNPROTECTED-NOT IN CONDUIT)
- 6 TRAILER REMOVED FROM SITE
- 7 CODE VIOLATION (OVERHEAD FEED USING ROMEX)

**Table D-18
Electrical Services Cost Summary
Rancho Monticello**

FACILITY #	FACILITY	UTILITY	COST TO UPGRADE	NOTE
RAMO 1	FRONT ENTRANCE KIOSK	FED FROM RAMO 2	\$ -	
RAMO 2	MAIN OFFICE	PG&E	\$ -	
RAMO 3	STORE & RESTAURANT	PG&E	\$ -	
RAMO 4	STORAGE UNIT BEHIND STORE	FED FROM RAMO 3	\$ -	
RAMO 5	FREEZER	FED FROM RAMO 3	\$ -	
RAMO6	BOAT RENTAL & MAINTAINANCE	PG&E	\$ -	
RAMO 7	DAY USE RESTROOMS	PG&E	\$ -	
RAMO 8	BOAT MARINA GAS DOCK	FED FROM RAMO 3	\$ -	1
RAMO 9	BOAT GARAGE STORAGE UNITS	PG&E	\$ 4,000.00	
RAMO 10	SEWAGE TREATMENT	PG&E	\$ -	
RAMO 11	CAMPGROUND A - RESTROOM	PG&E	\$ 1,500.00	
RAMO 12	LAKESHORE CABINS	FED FROM RAMO 11	\$ 6,000.00	
RAMO 13	LAKESHORE CABINS	FED FROM RAMO 11	\$ 5,000.00	
RAMO 14	RV CAMPGROUND RESTROOM	PG&E	\$ 2,500.00	
RAMO 15	SMALL PUMP HOUSE	PG&E		
			\$ 19,000.00	

NOTES

- 1 SHORE POWER UMBILICAL HAS CODE VIOLATIONS (SPLICES AND SUPPORTS)

**Table D-19
Electrical Services Cost Summary
Lake Berryessa Resort**

FACILITY #	FACILITY	UTILITY	COST TO UPGRADE	NOTE
LABE 1	ENTRANCE KIOSK	RESORT OVHD FEED	\$ 1,500.00	1
LABE 2	SNACKBAR /STORE /OFFICE	PG&E	\$ 15,000.00	2
LABE 3	STORAGE SHEDS	FED FROM LABE 2	\$ 1,000.00	
LABE 4	ICE HOUSE	FED FROM LABE 2	\$ 1,500.00	
LABE 5	MAINTENANCE & FUEL GARAGE	FED FROM LABE 2	\$ 2,000.00	3
LABE 6	BOAT DOCK OFFICE	FED FROM LABE 2	\$ -	
LABE 7	CABIN AREA RESTROOMS/LAUNDRY	FED FROM LABE 2	\$ 2,000.00	
LABE 8	DRY-SITE AREA RESTROOMS	PG&E	\$ 2,000.00	
LABE 9	MANAGERS RESIDENCE	PG&E	\$ -	
LABE 10	TRAILER AREA LAUNDRY	RESORT OVHD FEED	\$ 2,000.00	3
LABE 11	CAMPGROUND RESTROOM	PG&E	\$ 2,000.00	
LABE 12	HOUSEBOAT / JET SKI RENTAL	FED FROM SHORE PNL	\$ 2,000.00	4
			\$ 31,000.00	

NOTES

- 1 OVERHEAD SERVICE NOT TO CODE (USES ROMEX WIRE & INCORRECTLY SUPPORTED)
- 2 THE STORE ELECTRICAL SERVICE EQUIPMENT ALSO DISTRIBUTES POWER TO THE TRAILERS, GAS DOCK,RESTROOMS AND MAINTENANCE BUILDINGS
- 3 OVERHEAD SERVICE IS NOT TO CODE (SUPPORTS, TERMINATIONS)
- 4 THE "BEACH HOUSE" SHACK AT THE END OF THE DOCK IS FED BY A LENGTH OF ROMEX CABLE DRAPED THRU THE WATER. THIS HAZARDOUS CONDITION. REQUIRES IMMEDIATE REPAIR

Table D-20
Electrical Services Cost Summary
Spanish Flat Resort

FACILITY #	FACILITY	UTILITY	COST TO UPGRADE	NOTE
SPFL 1	KIOSK	FED FROM SPFL 2	\$ -	
SPFL 2	OFFICE	PG&E	\$ -	
SPFL 3	OFFICE SHED	FED FROM SPFL 2	\$ -	
SPFL 4	MAINTENANCE SHOP	PG&E	\$ 2,500.00	1
SPFL 5	BOAT MARINA	FED FROM SPFL 4	\$ 3,500.00	
SPFL 6	STORE	PG&E	\$ 5,000.00	
SPFL 7	MANAGERS RESIDENCE	PG&E	\$ -	
SPFL 8	REST ROOMS & SHOWERS	PG&E	\$ 1,500.00	
SPFL 9	SMALL PUMP HOUSE	PG&E	\$ 500.00	
SPFL 10	TRAILER # 160	PG&E	\$ 1,000.00	
SPFL 11	TRAILER # 175	PG&E	\$ 1,000.00	
SPFL 12	SUNRISE RESTROOMS	PG&E	\$ 1,500.00	
SPFL 13	SUNRISE POINT RESTROOMS	RESORT	\$ 1,500.00	
SPFL 14	TRAILER AREA RESTROOMS	PG&E	\$ 1,500.00	
SPFL 15	TRAILER # 68	RESORT	\$ 1,000.00	
SPFL 16	TRAILER # 62	RESORT	\$ 1,000.00	
SPFL 17	GARAGES	NO ELECTRICAL	\$ -	
SPFL 18	SEWAGE TREATMENT	PG&E	\$ 3,000.00	2
			\$ 24,500.00	

NOTES

- 1 NUMEROUS CODE VIOLATIONS (ENCLOSURES, SUPPORTS, WIRING)
AT ELECTRICAL BACKBOARD BEHIND MAINTENANCE SHOP
- 2 NUMEROUS CODE VIOLATIONS (OPEN WIRING)

**Table D-21
Electrical Services Cost Summary
Steele Park Resort**

FACILITY #	FACILITY	UTILITY	COST TO UPGRADE	NOTE
STPA 2	MAIN GATE TRAILER	PG&E	\$ -	
STPA 3	HARBOR COVE RESTAURANT & STORE	PG&E	\$ -	
STPA 4	BOAT DOCK MARINA	PG&E	\$ -	
STPA 5	FREEZER & STORAGE SHEDS	PG&E	\$ 2,000.00	
STPA 7	RV RESTROOMS	FED FROM STPA-4	\$ -	
STPA 8	DANNY'S BOAT RENTAL	PG&E	\$ -	
STPA 9	BOAT STORAGE SHEDS	NO POWER	\$ -	
STPA 10	BOAT STORAGE SHEDS	FED FROM STPA-4	\$ 2,000.00	1
STPA 11	BOAT STORAGE SHEDS	FED FROM STPA-10	\$ 2,000.00	1
STPA 12	BOAT STORAGE SHEDS	FED FROM STPA-10	\$ 1,000.00	1
STPA 13	BOAT STORAGE SHEDS	FED FROM STPA-10	\$ 2,000.00	1
STPA 14	BOAT STORAGE SHEDS	FED FROM STPA-10	\$ 2,000.00	1
STPA 15	BOAT REPAIR GARAGE	FED FROM STPA-10	\$ 7,000.00	2
STPA 16	BOAT STORAGE SHEDS	NO POWER	\$ -	
STPA 17	NEW BOAT GARAGES	PG&E	\$ -	
STPA 18	NEW BOAT GARAGES	NO POWER		
STPA 19	MISC. USE BUILDING	PG&E	\$ -	
STPA 20	TRAILER AREA RESTROOMS	FED FROM STPA 19	\$ 2,000.00	
STPA 21	MAIN OFFICE & ICE CREAM SHOP	PG&E	\$ -	
STPA 22	RESTAURANT/BAR	FED FROM STPA 21	\$ 10,000.00	
STPA 23	DAY USE KIOSK	PG&E	\$ 2,000.00	
STPA 24	HANDBALL COURT	PG&E	\$ 500.00	
STPA 25	PUMP HOUSE	PG&E	\$ 1,500.00	
STPA 26	DAY USE AREA	FED FROM STPA 23	\$ 1,500.00	
STPA 27	PROJECTION ROOM	FED FROM STPA 23	\$ 1,000.00	
STPA 28	STORAGE BLDG @ BOAT BERTH	PG&E	\$ 1,000.00	
STPA 29	SMALL STORAGE BLDG @ TENNIS CT	PG&E	\$ 1,500.00	
STPA 30	SWIMMING POOL BUILDING	PG&E	\$ 2,000.00	
STPA 31	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 32	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 33	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 34	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 35	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 36	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 37	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 38	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 39	LAKESHORE RENTAL COTTAGES	PG&E	\$ -	
STPA 41	MOTEL ROOMS 1-12	PG&E	\$ -	
STPA 42	MOTEL ROOMS 14-25	PG&E	\$ -	
STPA 43	MAID SERVICE KIOSK	FED FROM STPA 37	\$ 1,000.00	1
			\$ 42,000.00	

NOTES

- 1 BOAT SHED WIRING IS UNSAFE / HAZARDOUS. MANY SERIOUS CODE VIOLATIONS (SUPPORTS, SPLICES, TERMINATIONS & CLEARANCES)
- 2 BOAT REPAIR SHOP HAS UNSAFE / HAZARDOUS WIRING. MANY CODE VIOLATIONS (OPEN WIRING, EXPOSED CONDUCTORS)

**Table D-22
Electrical Services Cost Summary
Pleasure Cover Resort**

FACILITY #	FACILITY	UTILITY	ELECTRIC SERVICE CONDITION	INTERNAL WIRING CONDITION	CODE COMPLIANT?	ADEQUATE FOR PRESENT USE?	ADEQUATE FOR LONG TERM USE?	COST TO UPGRADE	NOTE
PLCO 1-1	MANAGEMENT OFFICE	PG&E	GOOD	GOOD	YES	YES	YES	\$ -	
PLCO 1-2	GATE MANAGER TRAILER	PG&E	GOOD	UNKNOWN	YES	YES	YES	\$ -	
PLCO 1-3	TRAILER #3	PG&E	FAIR	UNKNOWN	YES	YES	NO	\$ 1,000.00	
PLCO 1-4	TRAILER #4	PG&E	GOOD	UNKNOWN	YES	YES	YES	\$ -	
PLCO 1-5	STORAGE SHED	NO ELECTRICAL						\$ -	
PLCO 1-6	STORAGE SHED	NO ELECTRICAL						\$ -	
PLCO 1-7	STORAGE SHED	NO ELECTRICAL						\$ -	
PLCO 1-8	SHOWERS	FED FROM PLCO 1-4	FAIR	FAIR	YES	YES	NO	\$ 2,000.00	
PLCO 1-9	RESTROOMS	FED FROM PLCO 1-4	POOR	POOR	NO	NO	NO	\$ 2,000.00	1
PLCO 1-10	UNFINISHED RESTROOMS	NO ELECTRICAL						\$ -	
PLCO 1-11	WATER TREATMENT BUILDING	FED FROM CAMPGROUND	GOOD	UNKNOWN	YES	YES	YES	\$ -	
PLCO 1-12	FRONT ENTRANCE KIOSK	PG&E	FAIR	FAIR	YES	YES	NO	\$ 1,500.00	
PLCO 2-0	SHED ACROSS FROM OFFICE	FED FROM PLCO 2-6	FAIR	FAIR	YES	YES	NO	\$ 500.00	
PLCO 2-1	MANAGERS RESIDENCE	FED FROM PLCO 2-6	GOOD	UNKNOWN	YES	YES	YES	\$ -	
PLCO 2-2	TRAILER #2 HILLTOP	FED FROM PLCO 2-6	FAIR	UNKNOWN	YES	YES	NO	\$ 1,000.00	
PLCO 2-4	(N) STORE(WAS BOAT MAINT.)	PG&E	GOOD	GOOD	YES	YES	YES	\$ -	
PLCO 2-5	SHOWERS / RESTROOM	FED FROM PLCO 2-6	FAIR	FAIR	YES	YES	NO	\$ 1,500.00	
PLCO 2-6	(N) OFFICE (WAS STORE)	PG&E	FAIR	FAIR	YES	YES	NO	\$ 4,500.00	
PLCO 2-7	GHETTO RESTROOM/LAUNDRY	PG&E	FAIR	FAIR	YES	YES	NO	\$ 2,000.00	
PLCO 2-8	TRAILER #46 HILLTOP	PG&E	GOOD	UNKNOWN	YES	YES	YES	\$ -	
PLCO 2-9	TRAILER #4 HILLTOP	PG&E	FAIR	UNKNOWN	YES	YES	NO	\$ 1,500.00	
PLCO 2-10	TRAILER #1 HILLTOP	PG&E	FAIR	UNKNOWN	YES	YES	NO	\$ 1,500.00	
PLCO 2-12	TRAILER #2 SPRING ROAD	PG&E	GOOD	UNKNOWN	YES	YES	YES	\$ -	
								\$ 19,000.00	

NOTES

1 MANY CODE VIOLATIONS (OVERHEAD FEEDS USING ROMEX, POOR SUPPORTS AND TERMINATIONS, EXPOSED WIRING)

**Table D-23
Electrical Services Cost Summary
Markley Cove Resort**

FACILITY #	FACILITY	UTILITY	COST TO UPGRADE	NOTE
MACO 1	MAIN OFFICE / STORE	PG&E	\$ 10,000.00	1
MACO 2	OFFICE TRAILER	PG&E	\$ 1,000.00	1
MACO 3	MAINTENANCE SHOP	PG&E	\$ 2,500.00	1
MACO 4	BOAT MARINA / SHOP	PG&E	\$ 2,500.00	2
MACO 5	WATER TREATMENT BLDG	PG&E	\$ -	
MACO 6	UNKNOWN (PUMP HOUSE)	PG&E	\$ 5,000.00	3
			\$ 21,000.00	

NOTES

- 1 THIS PG&E METER AND SERVICE PANELS BEHIND THE BUILDING ARE IN EXTREMELY POOR CONDITION AND UNSAFE. MANY SERIOUS CODE VIOLATIONS (EXPOSED WIRING, OPEN EQUIPMENT)
THIS SET OF PANELS FEED THE STORE,OFFICE,TRAILER AND MAINTENANCE SHOP. THE STORE ITSELF IS NEW AND IN GOOD CONDITION.
- 2 THE SHORE POWER UMBILICAL AND ASSOCIATED SERVICE ARE IN EXTREMELY POOR CONDITION AND UNSAFE. MANY CODE VIOLATIONS (CABLE TYPES, SPLICES).
- 3 THIS PUMP HOUSE HAS VERY UNSAFE WIRING WITH MANY CODE VIOLATIONS (EXPOSED WIRING, OPEN PANELS)