



2009 Capital Budget Division Summary

Expenses Division Summary_CapitalMultiYear_Prompt
Version: Final

	2009 Budget
708518 PRJ - Reciprocating Power Plant	17,950,000
708519 PRJ - Lodi Power Plant	6,400,000
CAP - 6020 CAP - Resource Planning & Development	24,350,000
709640 PRJ - Work Space Cubical & Furniture	5,000
CAP - 6060 CAP - Power Operations	5,000
709641 PRJ - DP Partial discharge analysis system new	30,000
709642 PRJ - DP 5KV Inverter	19,000
709643 PRJ - DP Chip Seal Access Roads	55,000
709644 PRJ - DP Perimeter Alarm system	20,000
709645 PRJ - MGS Vaporizer Heater Upgrade	35,000
709646 PRJ - RGS Performance MonitoringSftwr	51,000
709647 PRJ - RGS Install Stand Alone Bldng	50,000
706268 PRJ - DP Pumped Storage Project	560,000
708521 PRJ - DP Oil Detection System	1,000
7XX104 PRJ - Ripon Misc Concrete Projs	75,000
708526 PRJ - DP Spillway Gate Cable Repl	50,000
708527 PRJ - DP Hydraulic Gate Repl	95,000
708530 PRJ - DP Spillway Gate 1 Coating	73,100
CAP - 6070 CAP - Power Generation	1,114,100
CAP - 60 CAP - ELECTRIC RESOURCES DIVISION	\$25,469,100



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 708518

Department: 6020 Resource Planning & Development
Project Title: PRJ - Reciprocating Power Plant

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	10,150,000	Labor & Benefits	0
Estimated Year End Totals	5,000,000	Materials & Supplies	9,350,000
Authorized Amount to be Carried Over	5,150,000	Outside Services	3,300,000
Additional Amount Requested in Current Budget	12,850,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	18,000,000	Administrative & General	30,000
Estimated Amount Required in Future Budget Cycles	52,000,000	MID Equipment	170,000
Total Project Budget Inception to Completion	75,000,000	Totals	12,850,000

Project Description Addition of peaking generation (in-area).

Project Justification The need for additional (in area) peaking generation was identified as one of the necessary ways of meeting the expected load growth in the District's Electric Resource Plan along with additional energy efficiency.

Applicable Policy MID Electric Resource Plan goal: Reliability of supply



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 708519

Department: 6020 Resource Planning & Development
Project Title: PRJ - Lodi Power Plant

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	7,300,000	Labor & Benefits	0
Estimated Year End Totals	6,000,000	Materials & Supplies	0
Authorized Amount to be Carried Over	1,300,000	Outside Services	5,100,000
Additional Amount Requested in Current Budget	5,100,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	6,400,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	62,900,000	MID Equipment	0
Total Project Budget Inception to Completion	75,300,000	Totals	5,100,000

Project Description Jointly participate with NCPA in the development and permitting the Lodi Energy Center

Project Justification The need for additional baseload generation is identified in the District's Electric Resource Plan. The Lodi combined cycle is highly efficient to meet the District's baseload needs.

Applicable Policy MID Electric Resource Plan goal: Reliability of supply



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709640

Department: 6060 Power Operations
Project Title: PRJ - Work Space Cubical & Furniture

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	5,000
Authorized Amount to be Carried Over	0	Outside Services	0
Additional Amount Requested in Current Budget	5,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	5,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	5,000	Totals	5,000

Project Description Work space cubicle with a desk and file cabinet.

Project Justification A new Operations Engineer position is being requested and the cubicle with a desk and file cabinets will be needed for this position.

Applicable Policy



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709641

Department: 6070 Power Generation
Project Title: PRJ - DP Partial discharge analysis system new

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	0
Authorized Amount to be Carried Over	0	Outside Services	30,000
Additional Amount Requested in Current Budget	30,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	30,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	30,000	Totals	30,000

Project Description Online condition monitoring system for generator stator.

Project Justification Three of the generator stators are 40 years old and the fourth stator is 20 years old. This system will provide real time continuous monitoring of the generator stators.

Applicable Policy Electric Resources Reliability of supply: maintain high availability of generation. Don Pedro Agreement.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709642

Department: 6070 Power Generation
Project Title: PRJ - DP 5KV Inverter

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	0
Authorized Amount to be Carried Over	0	Outside Services	19,000
Additional Amount Requested in Current Budget	19,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	19,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	19,000	Totals	19,000

Project Description This inverter is used to supply DC power to the Don Pedro plant controls

Project Justification This will replace the existing system which is 40 years old, unreliable, and hard to get parts for.

Applicable Policy Electric Resources Reliability of supply: maintain high availability of generation. Don Pedro Agreement.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709643

Department: 6070 Power Generation
Project Title: PRJ - DP Chip Seal Access Roads

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	55,000
Authorized Amount to be Carried Over	0	Outside Services	0
Additional Amount Requested in Current Budget	55,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	55,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	55,000	Totals	55,000

Project Description Re-asphalt roads to power house and warehouse. This covers MID's portion of the expense.

Project Justification Road is 40 years old & this is the first time that it will be re-asphalted.

Applicable Policy Electric Resources Reliability of supply: maintain high availability of generation. Don Pedro Agreement.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709644

Department: 6070 Power Generation
Project Title: PRJ - DP Perimeter Alarm system

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	0
Authorized Amount to be Carried Over	0	Outside Services	20,000
Additional Amount Requested in Current Budget	20,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	20,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	20,000	Totals	20,000

Project Description Part of security for the power plant. MID's portion of project reflected above is 31.54%. This was part of the 5-year plan.

Project Justification

Applicable Policy Electric Resources Reliability of supply: maintain high availability of generation. Don Pedro Operating Agreement



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709645

Department: 6070 Power Generation
Project Title: PRJ - MGS Vaporizer Heater Upgrade

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	35,000
Authorized Amount to be Carried Over	0	Outside Services	0
Additional Amount Requested in Current Budget	35,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	35,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	35,000	MID Equipment	0
Total Project Budget Inception to Completion	70,000	Totals	35,000

Project Description Purchase vaporizer band heaters with all controls

Project Justification McClure Generation SCR vaporizer duct heaters are marginal on cool days and during rapid loading of the gas turbines. This causes a decrease in NOx reduction and an increase in Ammonia slip.

Applicable Policy Reliability of supply: maintain high availability of generation.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709646

Department: 6070 Power Generation
Project Title: PRJ - RGS Performance MonitoringSftwr

Carry-Over Capital		2009 Budget
Approved Budget in Prior Year	0	Labor & Benefits
Estimated Year End Totals	0	Materials & Supplies
Authorized Amount to be Carried Over	0	Outside Services
Additional Amount Requested in Current Budget	51,000	Seminars & Meetings
Total Budget to be Expended in Current Year	51,000	Administrative & General
Estimated Amount Required in Future Budget Cycles	0	MID Equipment
Total Project Budget Inception to Completion	51,000	Totals
		51,000

Project Description

Project Justification

Applicable Policy



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 709647

Department: 6070 Power Generation
Project Title: PRJ - RGS Install Stand Alone Bldng

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	0	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	0
Authorized Amount to be Carried Over	0	Outside Services	50,000
Additional Amount Requested in Current Budget	50,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	50,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	50,000	Totals	50,000

Project Description Install stand alone building attached to Ripon Gen control room for I&C Tech shop. Building is same self-contained type as used at McClure Station for control room.

Project Justification Currently

Applicable Policy Reliability of supply: maintain high availability of generation.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 706268

Department: 6070 Power Generation
Project Title: PRJ - DP Pumped Storage Project

Carry-Over Capital		2009 Budget
Approved Budget in Prior Year	1,660,000	Labor & Benefits 0
Estimated Year End Totals	1,100,000	Materials & Supplies 0
Authorized Amount to be Carried Over	560,000	Outside Services 0
Additional Amount Requested in Current Budget	0	Seminars & Meetings 0
Total Budget to be Expended in Current Year	560,000	Administrative & General 0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment 0
Total Project Budget Inception to Completion	750,000	Totals 0

Project Description Pumped Storage project evaluation and 35% ownership on the land

Project Justification

Applicable Policy Electric Resources Reliability of supply: maintain high availability of generation. Don Pedro Agreement.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 708521

Department: 6070 Power Generation
Project Title: PRJ - DP Oil Detection System

Carry-Over Capital	2009 Budget
Approved Budget in Prior Year	0
Estimated Year End Totals	0
Authorized Amount to be Carried Over	1,000
Additional Amount Requested in Current Budget	0
Total Budget to be Expended in Current Year	0
Estimated Amount Required in Future Budget Cycles	0
Total Project Budget Inception to Completion	1,000
	Labor & Benefits
	Materials & Supplies
	Outside Services
	Seminars & Meetings
	Administrative & General
	MID Equipment
	Totals

Project Description An oil detection system to detect and activate alarm if oil leakage enters power plant water drainage sump. Without early detection oil could be discharged into waterways. The cost is \$9

Project Justification This item was included in the 5-year capital plan submitted in 2002.

Applicable Policy MID Electric Resource Plan goal: Reliability of supply; maintain high availability of generation. Don Pedro Operating Agreement.



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 7XX104

Department: 6070 Power Generation
Project Title: PRJ - Ripon Misc Concrete Projs

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	75,000	Labor & Benefits	0
Estimated Year End Totals	75,000	Materials & Supplies	0
Authorized Amount to be Carried Over	0	Outside Services	75,000
Additional Amount Requested in Current Budget	75,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	75,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	75,000	MID Equipment	0
Total Project Budget Inception to Completion	225,000	Totals	75,000

Project Description Install miscellaneous concrete flatwork at the Ripon Generation Station.

Project Justification Concrete projects include a pad for two demineralizer trailers

Applicable Policy MID Electric Resource Plan goal: Reliability of supply



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 708526

Department: 6070 Power Generation
Project Title: PRJ - DP Spillway Gate Cable Repl

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	13,600	Labor & Benefits	0
Estimated Year End Totals	13,600	Materials & Supplies	0
Authorized Amount to be Carried Over	0	Outside Services	50,000
Additional Amount Requested in Current Budget	50,000	Seminars & Meetings	0
Total Budget to be Expended in Current Year	50,000	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	63,600	Totals	50,000

Project Description Replace and re-wedge spillway gate cables and attachments.

Project Justification Attachment and cables showing signs of corrosion. If not replaced spillway gate may fail to open.

Applicable Policy MID Electric Resource Plan goal: Reliability of supply



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 708527

Department: 6070 Power Generation
Project Title: PRJ - DP Hydraulic Gate Repl

Carry-Over Capital		2009 Budget	
Approved Budget in Prior Year	236,900	Labor & Benefits	0
Estimated Year End Totals	0	Materials & Supplies	0
Authorized Amount to be Carried Over	236,900	Outside Services	0
Additional Amount Requested in Current Budget	0	Seminars & Meetings	0
Total Budget to be Expended in Current Year	236,900	Administrative & General	0
Estimated Amount Required in Future Budget Cycles	0	MID Equipment	0
Total Project Budget Inception to Completion	236,900	Totals	0

Project Description Power Tunnel hydraulic gate operator: Replace power tunnel bulkhead gate cylinder and hydraulic unit.

Project Justification Hydraulic piping under water is leaking. Replacement necessary to dewater the power tunnel for inspection or emergency.

Applicable Policy MID Electric Resource Plan goal: Reliability of supply



2009 Capital Budget *Project Detail*

Division: ELECTRIC RESOURCES DIVISION
Project Number: 708530

Department: 6070 Power Generation
Project Title: PRJ - DP Spillway Gate 1 Coating

Carry-Over Capital		2009 Budget
Approved Budget in Prior Year	73,100	0
Estimated Year End Totals	0	0
Authorized Amount to be Carried Over	73,100	0
Additional Amount Requested in Current Budget	0	0
Total Budget to be Expended in Current Year	73,100	0
Estimated Amount Required in Future Budget Cycles	0	0
Total Project Budget Inception to Completion	73,100	0
Labor & Benefits		0
Materials & Supplies		0
Outside Services		0
Seminars & Meetings		0
Administrative & General		0
MID Equipment		0
Totals		0

Project Description Sandblast

Project Justification Current coating not adhering due to past painting methods. Sandblasting necessary to prevent metal degradation of gate.

Applicable Policy Don Pedro Operating Agreement. Recommended by FERC.