CRSP MC FY 2003 Rate Adjustment Process

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Carol Loftin

Rates Manager

CRSP Management Center

Rate Adjustment Topics

- SLCA/IP Firm Power
- CRSP Transmission
- Ancillary Services
- Schedule for Rate Adjustment Process

SLCA/IP Firm Power

• Guidelines for rate setting practices.

SLCA/IP Firm Power

Rate Schedule	Effective Dates	Duration
SLIP-F1	10/87 - 9/90	35 months
SLIP-F2	10/90 - 11/91	13 months
SLIP-F3	12/91 - 9/92	9 months
SLIP-F4	10/92 - 11/94	25 months
SLIP-F5	12/94 - 4/98	39 months
SLIP-F6	4/98 - 3/03	54 months

Paul Stuart

SLCA/IP Firm Power

Rates Team

Salt Lake City Area Integrated Projects

	% Energy
CRSP	95.8
Other Integrated Projects	
Dolores	0.7
Seedskadee	1.0
Collbran	0.7
Rio Grande	1.8
	100

Power Repayment Study

- Prepared yearly for each project.
- Documents historical financial data.
- Provides status of project repayment.
- Projects revenue requirements & rates.
- SLCA/IP PRS.

Power Repayment Study

	Power Repayment Study (PRS) Format							
							1	
					K	epayme	nt	
Years	Power Sales	Revenue	Expenses	Net Revenue Available for Repayment	with higher interest	Investment with lower interest rate	Other Payments	
Historic Da	ata							
Subtotals								
Future Dat	a							
Grand Tota	al							

Firm Power Rate Formula Composite Rate

Future revenue requirements for firm power divided by

Expected energy sales

SLCA/IP Firm Power Current Firm Power Rate

		FY 1997 PRS
ltem	Unit	Current Rate
		1998 CB
Rate Setting Period:		
Beginning year	FY	1998
Pinchpoint year	FY	2057
Number of rate setting years	Years	60
Revenue Requirements:		
Annual expenses	1,000	\$62,708
Annual principal payments	1,000	\$65,614
Total Annual Revenue Requirements	1,000	\$128,322
(Less Offsetting Annual Revenue:)	1,000	(\$16,731)
Net Annual Revenue Requirements	1,000	\$111,591
Energy Sales	MWh	6,352,718
Composite Rate	mills/kWh	17.57
Billing Rates:		
Energy Rate	mills/kWh	8.1
Capacity Rate (per month)	\$/kW-month	3.44

Current SLCA/IP Firm Power Rate

- Current firm power rate (SLIP-F6).
 - Effective: April 1, 1998.
 - Energy: 8.10 mills/kWh.
 - Capacity: \$3.44 kW/month.
 - Composite Rate: 17.57 mills/kWh.
 - Expires: March 30, 2003.

Proposed SLCA/IP Firm Power Rate

- Proposal includes a Base Rate and a Purchase Adder Rate (PAR) formula.
 - Base Rate
 - OM&R, interest, principal, and irrigation aid.
 - PAR
 - Purchased power (recalculated after 2 years).
- Effective: October 1, 2002.

SLCA/IP Firm Power Reasons for the Rate Adjustment

- What has changed since April 1998?
- Refer to SLCA/IP Rate Comparison Table.

SLCA/IP Rate Comparisons Rate Setting Period

Current Rate PRS v. Proposed Base Rate PRS						
		FY 1997 PRS	FY 2000 PRS	Change	e from	
		Current Rate	Proposed Base	Curren	t Rate	
ltem	Unit	1998 CB	CB 2003 Work Plan Amount Pe		Percent	
<u></u>						
Rate Setting Period:						
Beginning year	FY	1998	2003			
Pinchpoint year	FY	2057	2060			
Number of rate setting years	Years	60	58			

SLCA/IP Rate Comparisons Annual O&M

Current Rate PRS v. Proposed Base Rate PRS					
		FY 1997 PRS	FY 2000 PRS	Change from	
		Current Rate	Proposed Base	Curren	t Rate
Item	Unit	1998 CB	2003 Work Plan	Amount	Percent
Annual Revenue Requirements:					
<u>Expenses</u> Operation and Maintenance:					
Western	1,000	\$21,190	\$37,176	\$15,986	75%
Reclamation	1,000	\$14,178	\$23,976	\$9,798	69%
Total O&M	1,000	\$35,368	\$61,152	\$25,784	73%

Western's Budgeted O&M Reasons for \$16 million Increase

- Costs underestimated in FY 1998 CB--\$8.1 million
- FERC Order 889 and Merchant Function--\$3.9 million
- Cost of living increases--\$4.0 million

Reasons for \$9.8 million Increase

- Indexing--<u>\$4.4 million</u>
- Federal Benefits--\$2.5 million
- Allocations to power--\$1.1 million
- Maintenance estimates enhanced--<u>\$1.8</u> million

SLCA/IP Rate Comparisons Other Expenses

Current Rate PRS v. Proposed Base Rate PRS						
		FY 1997 PRS	FY 2000 PRS	Change	e from	
		Current Rate	Proposed Base	Curren	t Rate	
ltem	Unit	1998 CB	2003 Work Plan	Amount	Percent	
Purchased Power	1,000	\$5,452	\$0	(\$5,452)		
Transmission	1,000	\$7,523	\$8,104	\$581	8%	
Integrated Projects requirements	1,000	\$7,887	\$4,786	(\$3,101)	-39%	
Interest	1,000	\$4,934	\$2,173	(\$2,761)	-56%	
Other	1,000	\$1,544	\$3,034	\$1,490	97%	
Total Expenses	1,000	\$62,708	\$79,249	\$16,541	26%	

SLCA/IP Rate Comparisons Repayment Obligations

Current Rate PRS v. Proposed Base Rate PRS						
		FY 1997 PRS	FY 2000 PRS	Change	e from	
		Current Rate	Proposed Base	Curren	t Rate	
ltem	Unit	1998 CB	2003 Work Plan	Amount	Percent	
Principal payments						
Replacements	1,000	\$11,846	\$14,289	\$2,443	21%	
Original Project and Additions	1,000	\$8,198	\$5,000	(\$3,198)	-39%	
Irrigation	1,000	\$45,570	\$46,060	\$490	1%	
Total principal payments	1,000	\$65,614	\$65,349	(\$265)	0%	

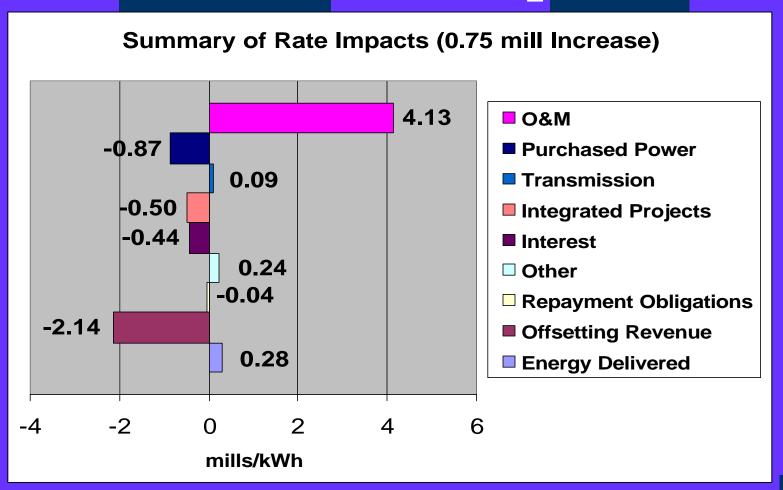
SLCA/IP Rate Comparisons Offsetting Revenues

Current Rate PRS v. Proposed Base Rate PRS					
		FY 1997 PRS	FY 2000 PRS	Change from	
		Current Rate	Proposed Base	Curren	t Rate
ltem	Unit	1998 CB	2003 Work Plan	Amount	Percent
(Less Offsetting Annual Revenue:)					
Transmission	1,000	\$15,161	\$18,471	\$3,310	22%
Merchant Function	1,000	\$0	\$9,209	\$9,209	
Other	1,000	\$1,570	\$2,430	\$860	55%
Total Offsetting Annual Revenue	1,000	\$16,731	\$30,110	\$13,379	80%

SLCA/IP Rate Comparisons Power Sales and Rates

Current Rate PRS v. Proposed Base Rate PRS					
		FY 1997 PRS	FY 2000 PRS	Change from	
		Current Rate	Proposed Base	Curren	t Rate
ltem	Unit	1998 CB	2003 Work Plan	Amount	Percent
Net Annual Revenue Requirements	1,000	\$111,591	\$114,488	\$2,897	3%
Energy Sales	MWH	6,352,718	6,250,518	-102,200	-2%
Composite Rate	mills/kWh	17.57	18.32	0.75	4%
Energy Rate	mills/kWh	8.1	8.4	0.30	4%
Capacity Rate (per month)	\$/kW-month	3.44	3.57	0.13	4%

SLCA/IP Rate Comparisons



SLCA/IP PAR Reasons

- Volatility of recent purchase power prices.
- Hydrological cycles.
- PAR concept more closely follows these contingencies.

SLCA/IP PAR Formula

- PAR = purchase power costs/customer commitment
- Purchase power costs = purchase estimate x price
- Customer commitment = 6,007 GWh

SLCA/IP PAR Formula Elements

- Purchase requirements
 - First FY of Reclamation's 24-month study.
 - Compare to customer (SHP) commitments of 6,007 GWh.
- Purchase price
 - Based on current Palo Verde futures.

SLCA/IP PAR Recalculation

- First calculation included with Rate Order.
- First recalculation will be Oct 2004.
- Will include estimate to actual adjustment.
- Applied to each customer bill.

SLCA/IP PAR

Example

ltem	Unit	Amount
Future 2-year calculation		
Estimated Energy Needs	GWh	514
Estimated Energy Price	mills/kWh	30
Cost Estimate per Year	\$1,000	15,420
Past 2-year true-up		
Actual Purchase Costs	\$1,000	-
Estimated Purchase Costs	\$1,000	-
True-up cost/(credit)	\$1,000	-
Total Adder Requirement	\$1, 000	15,420
Long Term SHP deliveries	GWh	6,007
Purchase Adder Rate	mills/kWh	2.6

SLCA/IP Current and Proposed Rates Comparison

	Current Rate	Proposed Rate	Increase
Rate Schedule	SLIP-F6	SLIP-F7	
Base Rate:			
Energy (mills/kWh)	8.1	8.4	0.3
Capacity (\$/kWmonth)	3.44	3.57	0.13
Composite	17.57	18.32	0.75
PAR Example (mills/kWh)	N/A	2.60	N/A
Total Composite	17.57	20.92	3.35

Firm Power Issues

- Reconstruction of Investment
- Future Aid to Irrigation Costs
- Glen Canyon Cost Allocations
- Bonneville Unit Power Investigation Costs

Questions?

SLCA/IP Firm Power

Valerie Deppe

CRSP Transmission

Rates Team

Purpose of Revising Methodology

- Current rate expires March 30, 2003.
- Requested in last rate process.
- Consistent with other Western regions, other utilities, and RTOs.
- More accurately assigns costs.

Revised Methodology Timeline

- September 27, 2000 Customer Meeting
- August 24, 2001 Data Update
- October 18, 2001 Informal Meeting
- October 1, 2002 Rate Effective

Current Firm Transmission Rate

- SP-PTP5 effective April 1, 1998.
- Expires March 30, 2003.
- Formula-based rate updated annually.
- Revenue Requirements constant, credits and reservations updated every April 1^{st.}

Current Firm Transmission Rate

- April 1998 rate was \$2.23/kW-month.
- April 2002 revision is \$1.78/kW-month.

Formula for Current and Revised Methodologies

- Annual Revenue Requirement
 - Less Transmission Credits
 - Divided by Transmission Reservations

- Basis for cost projections
 - Current Methodology
 - Average of five-year projections.
 - Annual Fixed Charge Methodology
 - Single test year, plus any known and measurable.

- Revenue Requirement
 - Current Methodology
 - Sum of transmission share of Western's investment, O&M, and transmission purchases.
 - Annual Fixed Charge Methodology
 - Fixed Charge Rate multiplied by Net Investment.

- Joint Use Investment Allocation
 - Current Methodology
 - 50/50
 - Annual Fixed Charge Methodology
 - Various methods

- O&M Allocation
 - Current Methodology
 - Transmission's share of total Western and Reclamation CRSP investment.
 - Annual Fixed Charge Methodology
 - Transmission's share of only Western's CRSP investment.

Rates

- Based on FY 1999 audited data:
 - Current methodology \$2.21/kW-month.
 - Annual Fixed Charge methodology \$2.30/kW-month (revised from \$2.16/kW-month).
- FY 2000 audited data will be test year.
- Updated annually.

Rate Schedules

- Includes Scheduling, System Control & Dispatch.
- Financial compensation for Losses.
- Pass-through for Industry Restructuring Costs.

Questions?

CRSP Transmission

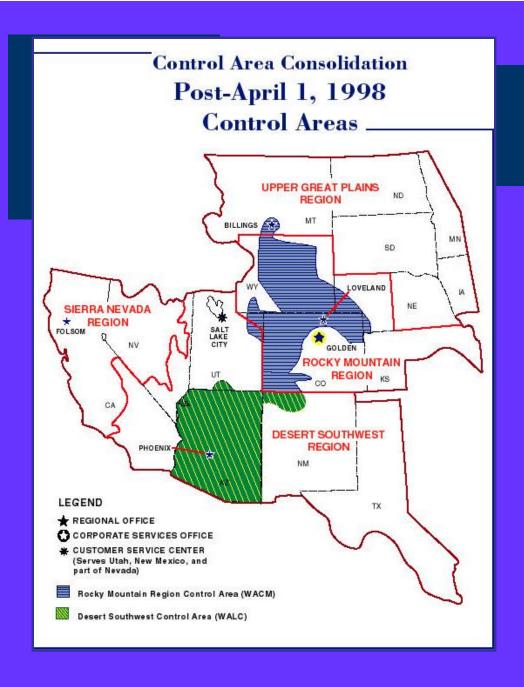
Rodney Bailey

Ancillary Services

Rates Team

Ancillary Services

- Scheduling, System Control & Dispatch (Only service included in CRSP Transmission Rate)
- Reactive Supply and Voltage Control
- Regulation and Frequency Control
- Energy Imbalance
- Spinning Reserves
- Supplemental Reserves



Scheduling, System Control & Dispatch

- Defined under Schedule 1 of Western's Tariff.
- No change from current rate methodology.

Reactive Supply & Voltage Control

- Defined under Schedule 2 of Western's Tariff.
- WACM & WALC rate schedules apply, which include CRSP revenue requirement.
- Current Rates
 - WACM \$0.10/kW-month.
 - WALC \$0.05/kW-month.
- No change from current rate methodology.

Regulation & Frequency Control

- Defined under Schedule 3 of Western's Tariff.
- If available from SLCA/IP resources, will be charged the SLCA/IP firm capacity rate.
- If unavailable from SLCA/IP resources
 - WACM \$0.16/kW-month.
 - WALC Generator Capacity Charge.
- No change from current rate methodology.

Energy Imbalance

- Defined under Schedule 4 of Western's Tariff.
- Provided through Control Area.
- No change from current rate methodology.

Spinning & Supplemental Reserves

- Defined under Schedules 5 & 6 of Western's Tariff.
- Obtain from open market and pass-through costs, based on WSPP contract.
- Minor change from current rate methodology.

Questions?

Ancillary Services

Schedule for Rate Adjustment Process

- March 6, 2002
 - Publish FRN for proposed rates. Brochures mailed out to customers and interested parties.
- March 19, 2002
 - Public Information Forum.
- April 23, 2002
 - Second Public Information Forum.
 - Public Comment Forum.

Schedule for Rate Adjustment Process

- June 4, 2002
 - End of Comment Period.
- September 1, 2002
 - Rate Order published.
- October 1, 2002
 - SLCA/IP Firm power, CRSP transmission, and ancillary services rates become effective.

Contacts

Carol Loftin - Rates Manager

801.524.6380loftinc@wapa.gov

Paul Stuart - SLCA/IP Firm Power

801.524.3526stuart@wapa.gov

Valerie Deppe - CRSP Transmission

801.524.4445deppe@wapa.gov

Rodney Bailey - Ancillary Services

801.524.4007rbailey@wapa.gov

Questions?

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