

DOCKETED	
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NEEDLES PUBLIC UTILITY AUTHORITY

ANNUAL BASE RATE CALCULATION SPREADSHEET - FY 2017/2018

EXPENSES

O & M ⁶	\$2,792,690
Taxes*	\$16,056
Purchase Payment	\$366,537
Trustee Fee	\$15,950
Conservation Program*	\$16,667
Debt Service	\$793,650
City of Needles "Fair Share" Fee	\$429,702
California Energy Efficiency Program*	\$200,000
PY Non-Power Rate Component	\$0.0000
Power Supply Total ¹	\$2,200,000
Power Supply, Hydro - Winter ²	\$123,067
Power Supply, Hydro - Summer ³	\$266,553
Other Income* not adjusted for utt	\$1,225,940
Basic Service Charge PY	\$28.90
Asset Replacement Fund PY	\$572,111

DOLLARS

Power Supply Total ¹	68,000,000
Power Supply, Hydro - Winter ²	6,854,000
Power Supply, Hydro - Summer ³	17,532,000
PY Estimated Power Sales	0
PY Actual Power Sold	0

KWHR

JUNE CPI %	3.20
Line Loss %	11.05
Number of Customers	3001

PERCENT

US West
3 year average line loss using the Electric Database calculation.

NEEDLES PUBLIC UTILITY AUTHORITY
ANNUAL BASE RATE CALCULATION SPREADSHEET - FY 2017/2018

MUST MANUALLY CALCULATE SHEET (F9)

Basic Service Charge for New Rate Year	\$29.82
PY Non-Power Carry Forward	\$0
Asset Replacement Fund Target	\$590,419
Total - Non Power Related Expenses	\$5,221,671

Power Supply with Line Losses	
Total Power Supply - Sales KWHRs	60,486,000
Power Supply - Winter Hydro	6,096,633
Power Supply - Summer Hydro	15,594,714
Power Supply - Total Hydro	21,691,347
Power Supply - Non Hydro	38,794,653

Power Supply Expenses	
Total Power Purchased	\$2,200,000
Power Supply - Winter Hydro	\$123,067
Power Supply - Summer Hydro	\$266,553
Power Supply - Non Hydro	\$1,810,380

Cost Per Kwhr	
	\$0.0364
	\$0.0202
	\$0.0171
	\$0.0467

Revenue From Other Than Power Sold	
Basic Service Charge	\$1,073,924
Other Revenue	\$1,225,940
Total Non-Power Revenue	\$2,299,864

Total Expenses	
Non-Power Related Expenses	\$5,221,671
Total Power Cost	\$2,200,000
Total Operating Expense	\$7,421,671

Cost Per Kwhr	
	\$0.0364

Use this rate for PCA Annual Base Rate for power purchased.

Rate Calculations	
Rate For Non-Power Related Expenses	\$2,721,806
Winter Hydro Sales - (Oct - Feb)	\$123,067
Summer Hydro Sales - (Mar - Sept)	\$266,553
Over Hydro Allotment Sales	\$1,810,380
California Energy Efficiency Program	\$200,000

Cost Per Kwhr	
	0.0450
	0.0202
	0.0171
	0.0467

Bill Rate Per Kwhr	
	0.0652
	0.0621
	0.0917
	0.0033

Average Avoided Cost	
	\$0.0299