

NEEDLES PUBLIC UTILITY AUTHORITY

25-Mar

POWER COST ADJUSTMENT CALCULATION

UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	4,400,000	**
Actual Over-Hydro Purchased Dollars	\$350,000	**
Over-Hydro Annual Base Rate Component	\$0.0878	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	

Over-Hydro with Line Losses	4,030,400
Over-Hydro Cost/Kwhr	\$0.0868
Difference from Base Rate	-\$0.0010
Revenue Expected from Base Rate	\$353,869
Revenue Difference from Base	\$3,869
PCA Fund Adjustment	\$44,000
Amount to off set New PCA Fund Balance	\$47,869

OVER-HYDRO RATE	
New Over-Hydro Rate Component	\$0.0868
New Over-Hydro Rate	\$0.1110

Upcoming Term: April	
Total Over-Hydro Kwhr	4,400,000
Total Over-Hydro Purchase + Spot Estimate	\$350,000

PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	4,789,991
Actual Over-Hydro Dollars	\$68,873
Over-Hydro Prior Period Rate Power Component	\$0.0878

Over-Hydro KWH w/ Line Loss	4,387,632
Over-Hydro Revenue Generated for the Period	\$385,234
Revenue Difference from Required	\$316,361

PREVIOUS PERIOD REVENUE ACTUAL BASE RATE	
Over-Hydro with Line Losses	4,387,632
Over-Hydro Cost/Kwhr	\$0.0157
Difference from Base Rate	-\$0.0721
Revenue Expected from Base Rate	\$385,234
Revenue Difference from Base	316,361

BALANCING FUND	
Previous PCA Period Balance	\$2,075,823
PCA Refunded	-\$89,775
** New PCA Fund Balance	\$2,302,408

Previous Period Consumption:
 October Over-Hydro Consumption :
 Cost:
 Term Purchase: \$57,756 Spot Purchase: \$0.00 Exchanges: \$0.00
 Transmission & Regulation Cost: (36% over hydro)
 Total Over Hydro Costs: \$68,873

MARCH 2025 Activity

			MWh	MW	
Direct Bill	Term Purchase	\$0.00	0		
Advanced	Term Purchase	\$57,756.50	1,661		
Advanced	Spot Purchase	\$0.00	0		
	Exchanges From WMK/YCWUA	-\$905.47	29		
Direct Bill	Needles PDP	\$78,174.12	2,563		
Direct Bill	Agua Caliente PDP	\$25,948.00	499		
Advanced	Oasis Transmission	\$0.00	0		
Direct Bill	Network Transmission	\$30,155.39		15.89	Needles N
Direct Bill	Regulation	\$1,002.15		9.83	
	Total Expended	\$192,130.69			
	Exchanges to WMK/YCWUA	\$0.00	0		
	Net	\$192,130.69			
	Total Load	7,016.53			
	\$/Mw	\$27.38			

Not Applicable

Estimated total

Calculated-Direct Billed to Needles

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UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	4,400,000	**
Actual Over-Hydro Purchased Dollars	\$200,000	**
Over-Hydro Annual Base Rate Component	\$0.0878	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	
Over-Hydro with Line Losses	4,030,400	
Over-Hydro Cost/Kwhr	\$0.0496	
Difference from Base Rate	-\$0.0382	
Revenue Expected from Base Rate	\$353,869	
Revenue Difference from Base	\$153,869	
PCA Fund Adjustment	\$44,000	
Amount to off set New PCA Fund Balance	\$197,869	

OVER-HYDRO RATE

New Over-Hydro Rate Component	\$0.0496
New Over-Hydro Rate	\$0.0738

Upcoming Term: March	4,400,000
Total Over-Hydro Kwhr	
Total Over-Hydro Purchase + Spot Estimate	\$200,000

PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	4,789,991
Actual Over-Hydro Dollars	\$190,577
Over-Hydro Prior Period Rate Power Component	\$0.0878

Over-Hydro KWH w/ Line Loss	4,387,632
Over-Hydro Revenue Generated for the Period	\$385,234
Revenue Difference from Required	\$194,657

PREVIOUS PERIOD REVENUE ACTUAL BASE RATE

Over-Hydro with Line Losses	4,387,632
Over-Hydro Cost/Kwhr	\$0.0434
Difference from Base Rate	-\$0.0444
Revenue Expected from Base Rate	\$385,234
Revenue Difference from Base	194,657

BALANCING FUND

Previous PCA Period Balance	\$1,976,965
PCA Refunded	-\$95,800
** New PCA Fund Balance	\$2,075,823

Previous Period Consumption:
 October Over-Hydro Consumption :
 Cost:
 Term Purchase: \$123,189 Spot Purchase: \$45,526.06 Exchanges: \$0.00
 Transmission & Regulation Cost: (72% over hydro)
 Total Over Hydro Costs: \$190,577

FEBRUARY 2025 Activity

			MWh	MW
Direct Bill	Term Purchase	\$0.00	0	
Advanced	Term Purchase	\$123,189.00	2,784	
Advanced	Spot Purchase	\$45,526.06	1,384	
	Exchanges From WMK/YCWUA	\$0.00	0	
Direct Bill	Needles PDP	\$49,837.56	1,245	
Direct Bill	Agua Caliente PDP	\$16,380.00	315	
Advanced	Oasis Transmission	\$0.00	0	
Direct Bill	Network Transmission	\$29,613.00		13.01
Direct Bill	Regulation	\$829.19		7.97
	Total Expended	\$265,374.81		
	Exchanges to WMK/YCWUA	\$0.00	0	
	Net	\$265,374.81		
	Total Load	6,206.27		
	\$/Mw	\$42.76		

Not Applicable

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UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	4,700,000	**
Actual Over-Hydro Purchased Dollars	\$450,000	**
Over-Hydro Annual Base Rate Component	\$0.0878	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	

Over-Hydro with Line Losses	4,305,200
Over-Hydro Cost/Kwhr	\$0.1045
Difference from Base Rate	\$0.0167
Revenue Expected from Base Rate	\$377,997
Revenue Difference from Base	-\$72,003
PCA Fund Adjustment	\$47,000
Amount to off set New PCA Fund Balance	-\$25,003

OVER-HYDRO RATE

New Over-Hydro Rate Component	\$0.1045
New Over-Hydro Rate	\$0.1287

Upcoming Term: February	4,700,000
Total Over-Hydro Kwhr	\$450,000
Total Over-Hydro Purchase + Spot Estimate	

PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	6,222,985
Actual Over-Hydro Dollars	\$418,691
Over-Hydro Prior Period Rate Power Component	\$0.0878

Over-Hydro KWH w/ Line Loss	5,700,254
Over-Hydro Revenue Generated for the Period	\$500,482
Revenue Difference from Required	\$81,791

PREVIOUS PERIOD REVENUE ACTUAL BASE RATE

Over-Hydro with Line Losses	5,700,254
Over-Hydro Cost/Kwhr	\$0.0735
Difference from Base Rate	-\$0.0143
Revenue Expected from Base Rate	\$500,482
Revenue Difference from Base	81,791

BALANCING FUND

Previous PCA Period Balance	\$1,895,174
PCA Collected	\$0
** New PCA Fund Balance	\$1,976,965

Previous Period Consumption:
 October Over-Hydro Consumption :
 Cost:
 Term Purchase: \$159,364.80 Spot Purchase: \$257,466.96 Exchanges: \$0.00
 Transmission & Regulation Cost: (86% over hydro)
 Total Over Hydro Costs: \$418,691

JANUARY 2025 Activity

			MWh	MW	
Direct Bill	Term Purchase	\$0.00	0		
Advanced	Term Purchase	\$159,364.80	3,065		
Advanced	Spot Purchase	\$257,466.96	5,576		
	Exchanges From WMK/YCWUA	\$0.00	0		
Direct Bill	Needles PDP	\$51,902.04	1,377		
Direct Bill	Agua Caliente PDP	\$18,200.00	350		
Advanced	Oasis Transmission	\$0.00	0		
Direct Bill	Network Transmission	\$1,284.59		13.74	Needles N
Direct Bill	Regulation	\$887.60		8.70	
	Total Expended	\$489,105.99			
	Exchanges to WMK/YCWUA	\$0.00	0		
	Net	\$489,105.99			
	Total Load	7,274.86			
	\$/Mw	\$67.23			

Not Applicable

Estimated total

Calculated-Direct Billed to Needles

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UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	6,200,000	**
Actual Over-Hydro Purchased Dollars	\$450,000	**
Over-Hydro Annual Base Rate Component	\$0.0878	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	

Over-Hydro with Line Losses	5,679,200
Over-Hydro Cost/Kwhr	\$0.0792
Difference from Base Rate	-\$0.0086
Revenue Expected from Base Rate	\$498,634
Revenue Difference from Base	\$48,634
PCA Fund Adjustment	\$62,000
Amount to off set New PCA Fund Balance	\$110,634

OVER-HYDRO RATE	
New Over-Hydro Rate Component	\$0.0792
New Over-Hydro Rate	\$0.1034

Upcoming Term: January	
Total Over-Hydro Kwhr	6,200,000
Total Over-Hydro Purchase + Spot Estimate	\$450,000

PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	5,131,434
Actual Over-Hydro Dollars	\$347,804
Over-Hydro Prior Period Rate Power Component	\$0.0878

Over-Hydro KWH w/ Line Loss	4,700,394
Over-Hydro Revenue Generated for the Period	\$412,695
Revenue Difference from Required	\$64,890

PREVIOUS PERIOD REVENUE ACTUAL BASE RATE	
Over-Hydro with Line Losses	4,700,394
Over-Hydro Cost/Kwhr	\$0.0740
Difference from Base Rate	-\$0.0138
Revenue Expected from Base Rate	\$412,695
Revenue Difference from Base	64,890

BALANCING FUND	
Previous PCA Period Balance	\$1,830,284
PCA Collected	\$0
** New PCA Fund Balance	\$1,895,174

Previous Period Consumption:
 October Over-Hydro Consumption :
 Cost:
 Term Purchase: \$236,271.85 Spot Purchase: \$97,049.28 Exchanges: \$9,953.65
 Transmission & Regulation Cost: (83% over hydro)
 Total Over Hydro Costs: \$347,804

DECEMBER 2024 Activity

			MWh	MW
Direct Bill	Term Purchase	\$0.00	0	
Advanced	Term Purchase	\$236,271.85	2,975	
Advanced	Spot Purchase	\$97,049.28	3,408	
	Exchanges From WMK/YCWUA	\$9,953.65	323	
Direct Bill	Needles PDP	\$51,902.04	1,377	
Direct Bill	Agua Caliente PDP	\$18,200.00	350	
Advanced	Oasis Transmission	\$0.00	0	
Direct Bill	Network Transmission	\$4,631.91		13.10
Direct Bill	Regulation	\$822.32		8.06
	Total Expended	\$418,831.05		
	Exchanges to WMK/YCWUA	\$0.00	0	
	Net	\$418,831.05		
	Total Load	7,069.85		
	\$/Mw	\$59.24		

Not Applicable