

# NEEDLES PUBLIC UTILITY AUTHORITY

## POWER COST ADJUSTMENT CALCULATION

### UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	9,500,000	**
Actual Over-Hydro Purchased Dollars	\$600,000	**
Over-Hydro Annual Base Rate Component	\$0.0978	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	

Over-Hydro with Line Losses	8,702,000
Over-Hydro Cost/Kwhr	\$0.0689
Difference from Base Rate	-\$0.0289
Revenue Expected from Base Rate	\$851,056
Revenue Difference from Base	\$251,056
PCA Fund Adjustment	\$95,000
Amount to off set New PCA Fund Balance	\$346,056

### OVER-HYDRO RATE

New Over-Hydro Rate Component	\$0.0689
New Over-Hydro Rate	\$0.0931

Upcoming Term: August	
Total Over-Hydro Kwhr	9,500,000
Total Over-Hydro Purchase + Spot Estimate	\$600,000

### PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	9,397,720
Actual Over-Hydro Dollars	\$879,260
Over-Hydro Prior Period Rate Power Component	\$0.1044

Over-Hydro KWH w/ Line Loss	8,608,312
Over-Hydro Revenue Generated for the Period	\$898,708
Revenue Difference from Required	\$19,448

### PREVIOUS PERIOD REVENUE ACTUAL BASE RATE

Over-Hydro with Line Losses	8,608,312
Over-Hydro Cost/Kwhr	\$0.1021
Difference from Base Rate	\$0.0043
Revenue Expected from Base Rate	\$841,893
Revenue Difference from Base	-37,367

### BALANCING FUND

Previous PCA Period Balance	\$509,036
PCA Collected	\$93,977
** New PCA Fund Balance	\$622,462

Previous Period Consumption:  
 July Over-Hydro Consumption :  
 Cost:  
 Term Purchase: \$739,298.65 Spot Purchase: \$22,045 Exchanges: \$103,658  
 Transmission & Regulation Cost: (90% over hydro)  
 Total Over Hydro Costs: \$879,260

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## POWER COST ADJUSTMENT CALCULATION

### UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	950,000	**
Actual Over-Hydro Purchased Dollars	\$578,000	**
Over-Hydro Annual Base Rate Component	\$0.0978	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	

Over-Hydro with Line Losses	870,200
Over-Hydro Cost/Kwhr	\$0.6642
Difference from Base Rate	\$0.5664
Revenue Expected from Base Rate	\$85,106
Revenue Difference from Base	-\$492,894
PCA Fund Adjustment	\$9,500
Amount to off set New PCA Fund Balance	-\$483,394

<b>OVER-HYDRO RATE</b>	
New Over-Hydro Rate Component	\$0.6642
New Over-Hydro Rate	\$0.6884

Upcoming Term: September	
Total Over-Hydro Kwhr	9,500,000
Total Over-Hydro Purchase + Spot Estimate	\$578,000

### PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	10,133,982
Actual Over-Hydro Dollars	\$766,789
Over-Hydro Prior Period Rate Power Component	\$0.1044

Over-Hydro KWH w/ Line Loss	9,282,728
Over-Hydro Revenue Generated for the Period	\$969,117
Revenue Difference from Required	\$202,327

<b>PREVIOUS PERIOD REVENUE ACTUAL BASE RATE</b>	
Over-Hydro with Line Losses	9,282,728
Over-Hydro Cost/Kwhr	\$0.0826
Difference from Base Rate	-\$0.0152
Revenue Expected from Base Rate	\$907,851
Revenue Difference from Base	141,061

<b>BALANCING FUND</b>	
Previous PCA Period Balance	\$622,462
PCA Collected	\$101,340
** New PCA Fund Balance	\$926,129

Previous Period Consumption:  
 August Over-Hydro Consumption :  
 Cost:  
 Term Purchase: \$750,144 Spot Purchase: \$8,880 Exchanges: \$0.00  
 Transmission & Regulation Cost: (88% over hydro)  
 Total Over Hydro Costs: \$766,789



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## POWER COST ADJUSTMENT CALCULATION

### UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	6,000,000	**
Actual Over-Hydro Purchased Dollars	\$500,000	**
Over-Hydro Annual Base Rate Component	\$0.0978	
Line Loss Percentage	8.40	
Current Over-Hydro Rate	\$0.1399	
Non-Power Expense Rate Component	\$0.0242	

Over-Hydro with Line Losses	5,496,000
Over-Hydro Cost/Kwhr	\$0.0910
Difference from Base Rate	-\$0.0068
Revenue Expected from Base Rate	\$537,509
Revenue Difference from Base	\$37,509
PCA Fund Adjustment	\$60,000
Amount to off set New PCA Fund Balance	\$97,509

<b>OVER-HYDRO RATE</b>	
New Over-Hydro Rate Component	\$0.0910
New Over-Hydro Rate	\$0.1152

Upcoming Term: October	
Total Over-Hydro Kwhr	6,000,000
Total Over-Hydro Purchase + Spot Estimate	\$500,000

### PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	9,503,363
Actual Over-Hydro Dollars	\$478,977
Over-Hydro Prior Period Rate Power Component	\$0.1044

Over-Hydro KWH w/ Line Loss	8,705,081
Over-Hydro Revenue Generated for the Period	\$908,810
Revenue Difference from Required	\$429,834

<b>PREVIOUS PERIOD REVENUE ACTUAL BASE RATE</b>	
Over-Hydro with Line Losses	8,705,081
Over-Hydro Cost/Kwhr	\$0.0550
Difference from Base Rate	-\$0.0428
Revenue Expected from Base Rate	\$851,357
Revenue Difference from Base	372,380

<b>BALANCING FUND</b>	
Previous PCA Period Balance	\$926,129
PCA Collected	\$95,034
** New PCA Fund Balance	\$1,450,996

Previous Period Consumption:  
 September Over-Hydro Consumption :  
 Cost:  
 Term Purchase: \$415,539 Spot Purchase: \$27,026.00 Exchanges: \$29,737.73  
 Transmission & Regulation Cost: (83% over hydro)  
 Total Over Hydro Costs: \$478,977

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## POWER COST ADJUSTMENT CALCULATION

### UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	6,300,000	**
Actual Over-Hydro Purchased Dollars	\$400,000	**
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	5,770,800
Over-Hydro Cost/Kwhr	\$0.0693
Difference from Base Rate	-\$0.0185
Revenue Expected from Base Rate	\$506,676
Revenue Difference from Base	\$106,676
PCA Fund Adjustment	\$63,000
Amount to off set New PCA Fund Balance	\$169,676

<b>OVER-HYDRO RATE</b>	
New Over-Hydro Rate Component	\$0.0693
New Over-Hydro Rate	\$0.0935

Upcoming Term: November	
Total Over-Hydro Kwhr	5,100,000
Total Over-Hydro Purchase + Spot Estimate	\$500,000

### PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	6,616,279
Actual Over-Hydro Dollars	\$411,148
Over-Hydro Prior Period Rate Power Component	\$0.0878

Over-Hydro KWH w/ Line Loss	6,060,512
Over-Hydro Revenue Generated for the Period	\$532,113
Revenue Difference from Required	\$120,965

### PREVIOUS PERIOD REVENUE ACTUAL BASE RATE

Over-Hydro with Line Losses	6,060,512
Over-Hydro Cost/Kwhr	\$0.0678
Difference from Base Rate	-\$0.0200
Revenue Expected from Base Rate	\$532,113
Revenue Difference from Base	120,965

### BALANCING FUND

Previous PCA Period Balance	\$1,450,996
PCA Collected	\$0
** New PCA Fund Balance	\$1,571,961

Previous Period Consumption:  
 October Over-Hydro Consumption :  
 Cost:  
 Term Purchase: \$164,752.80 Spot Purchase: \$239,370.16 Exchanges: \$0.00  
 Transmission & Regulation Cost: (85% over hydro)  
 Total Over Hydro Costs: \$411,148.00



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## POWER COST ADJUSTMENT CALCULATION

### UPCOMING PURCHASE PERIOD CALCULATION

Actual Over-Hydro Purchased Kwhr	5,100,000	**
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	4,671,600
Over-Hydro Cost/Kwhr	\$0.0963
Difference from Base Rate	\$0.0085
Revenue Expected from Base Rate	\$410,166
Revenue Difference from Base	-\$39,834
PCA Fund Adjustment	\$51,000
Amount to off set New PCA Fund Balance	\$11,166

<b>OVER-HYDRO RATE</b>	
New Over-Hydro Rate Component	\$0.0963
New Over-Hydro Rate	\$0.1205

Upcoming Term: December	
Total Over-Hydro Kwhr	5,100,000
Total Over-Hydro Purchase + Spot Estimate	\$450,000

### PREVIOUS PERIOD REVENUE GENERATED

Actual Over-Hydro KWH	6,321,716
Actual Over-Hydro Dollars	\$250,101
Over-Hydro Prior Period Rate Power Component	\$0.0878

Over-Hydro KWH w/ Line Loss	5,790,692
Over-Hydro Revenue Generated for the Period	\$508,423
Revenue Difference from Required	\$258,322

### PREVIOUS PERIOD REVENUE ACTUAL BASE RATE

Over-Hydro with Line Losses	5,790,692
Over-Hydro Cost/Kwhr	\$0.0432
Difference from Base Rate	-\$0.0446
Revenue Expected from Base Rate	\$508,423
Revenue Difference from Base	258,322

### BALANCING FUND

Previous PCA Period Balance	\$1,571,961
PCA Collected	\$0
** New PCA Fund Balance	\$1,830,284

Previous Period Consumption:  
 October Over-Hydro Consumption :  
 Cost:  
 Term Purchase: \$164,752.80 Spot Purchase: \$239,370.16 Exchanges: \$0.00  
 Transmission & Regulation Cost: (85% over hydro)  
 Total Over Hydro Costs: \$411,148.00