

Case No. PAC-E-01-16  
Exhibit No. 17  
Witness: David L. Taylor

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

PACIFICORP

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Exhibit Accompanying Rebuttal Testimony of David L. Taylor

August, 2002

**PacifiCorp**  
**Monsanto Equivalent Resource Case**  
**RAMPP- 6 CT**  
**Modified for Monsanto Capacity Factor**

	A	Schunke B	C	Corrected D
Monsanto Interruptibility				
MW	67.0	116.5		
Total Hours	500	300		
Annual MWH	33,500	34,950	68,450	68,450
			Total Costs	Fixed Only
Resource Cost per MWH @ 15% Capacity Factor			\$78.43	\$55.92
Total Projected Annual Cost (Interruptibility Savings)			\$5,368,534	\$3,827,724
Monsanto MWH			1,236,036	1,236,036
Interruptibility Savings per MWH			\$4.34	\$3.10
Monsanto Firm Rate per MWH			\$31.39	\$31.39
Monsanto Net Rate per MWH			\$27.05	\$28.29

- A One furnaces 500 hours with buy thorough
- B Two furnaces 300 hours no buy thorough
- C Total Resource Costs
- D Fixed Resource Cost Only

Case No. PAC-E-01-16  
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August, 2002

**PacifiCorp  
 Monsanto Equivalent Resource Case  
 RAMPP- 6 CT  
 Modified for Monsanto Capacity Factor**

	Yankel		Corrected	
	A	B	C	D
Monsanto Interruptibility				
MW		67.0	116.5	
Total Hours		500	300	
Annual MWH	128,000	33,500	34,950	68,450
	Total Costs			Fixed Only
Resource Cost per MWH @ 15% Capacity Factor	\$89.71			\$65.93
Loss Adjustment	1.0519			1.0519
Resource Cost	\$94.37			\$69.35
Total Projected Annual Cost (Interruptibility Savings)	\$12,078,841			\$4,747,128
Monsanto MWH	1,400,846			1,400,846
Interruptibility Savings per MWH	\$8.62			\$3.39
Monsanto Firm Rate per MWH	\$31.39			\$31.39
Monsanto Net Rate per MWH	\$22.77			\$28.00

- A Per Yankel
- B One furnaces 500 hours with buy thorough
- C Two furnaces 300 hours no buy thorough
- D Fixed Resource Cost Only

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August, 2002

**PacifiCorp  
 Monsanto Equivalent Resource Case  
 RAMPP- 6 CT  
 Modified for Monsanto Capacity Factor**

	Rosenberg			Corrected		
	A	B	or	C	D	E
Monsanto Interruptibility						
MW	166.0	116.5		67.0	116.5	
Total Hours	550	550		500	300	
Annual Capacity Factor	6.3%	6.3%		5.7%	3.4%	
Estimated CT Average Annual Capacity Factor	15%	15%		15%	15%	
Annual Capacity Factor Monsanto Interruptibility Proposal	6.3%	6.3%		5.7%	3.4%	
Capacity Factor Ratio	NA	42%		38%	23%	
Projected Annual Operating Cost						
Real Levelized Fixed Capital Recovery	\$44.70			\$2,994,900	\$5,207,550	
Fixed O&M	\$28.78			\$1,928,260	\$3,352,870	
Reserve Adjustment	1.1000					
Total Fixed Cost	\$80.83	\$13,417,448	\$9,416,462	\$5,415,476	\$9,416,462	
Total Fixed Cost Adjusted for Capacity Factor Ratio		NA	\$3,941,441	\$2,060,683	\$2,149,877	
Total Projected Annual Cost (Interruptibility Savings)		\$13,417,448	\$3,941,441	\$2,060,683	\$2,149,877	\$4,210,561
Monsanto MWH	1,236,036	1,400,846				1,400,846
Interruptibility Savings per MWH	\$10.86	\$2.81				\$3.01
Loss Adjustment	1.0300	1.0300				1.0300
Interruptibility Savings per MWH	\$11.18	\$2.90				\$3.10
Monsanto Firm Rate per MWH	\$26.10	\$31.39				\$31.39
Monsanto Net Rate per MWH	\$14.92	\$28.49				\$28.29

- A Per Rosenberg
- B Two furnaces 250 hours with buy thorough + 2 furnaces 300 hours no buy thorough
- C One furnaces 500 hours with buy thorough
- D Two furnaces 300 hours no buy thorough
- E Columns C + D

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Exhibit Accompanying Rebuttal Testimony of David L. Taylor

August, 2002

**PacifiCorp**  
**Monsanto Equivalent Resource Case**  
**West Valley CT**  
**Modified for Monsanto Capacity Factor**

Monsanto Interruptibility	A	or	B	C	D
MW	116.5		67.0	116.5	
Total Hours	550		500	300	
Annual Capacity Factor	6.3%		5.7%	3.4%	
Estimated West Valley City CT Average Annual Capacity Factor	30%		30%	30%	
Annual Capacity Factor Monsanto Interruptibility Proposal	6.3%		5.7%	3.4%	
Capacity Factor Ratio	21%		19%	11%	
West Valley Projected Annual Operating Cost					
Lease Payment	\$74.92 kw-yr	8,728,180	5,019,640	8,728,180	
Fixed O&M	\$6.45 kw-yr	751,974	432,466	751,974	
Total Fixed Cost		9,480,154	5,452,106	9,480,154	
Total Fixed Cost Adjusted for Capacity Factor Ratio		1,994,021	1,042,523	1,087,648	
Total Projected Annual Cost (Interruptibility Savings)		1,994,021	1,042,523	1,087,648	2,130,171
Monsanto MWH		1,400,846			1,400,846
Interruptibility Savings per MWH		\$1.42			\$1.52
Monsanto Firm Rate per MWH		\$31.39			\$31.39
Monsanto Net Rate per MWH		\$29.97			\$29.87

- A Two furnaces 250 hours with buy thorough + 2 furnaces 300 hours no buy thorough
- B One furnaces 500 hours with buy thorough
- C Two furnaces 300 hours no buy thorough
- D Columns B + C



Case No. PAC-E-01-16  
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August, 2002

## Purchase Power Savings Due to Interruptions 2000

Month	Total MWH	HLH MWH	HLH \$/MWH	Yankel		Adjusted to Conform with Monsanto Proposal	
				Hours of Interruption	Savings	Hours of Interruption	Savings
January	118,976	67,816	\$25.76			2,913	\$75,026
February	107,462	61,253	\$25.40			2,913	\$73,978
March	118,976	67,816	\$26.79			2,913	\$78,026
April	115,138	65,629	\$23.92			2,913	\$69,667
May	118,976	67,816	\$52.22			2,913	\$152,091
June	115,138	65,629	\$137.27	64,000	\$8,785,280	14,079	\$1,932,647
July	118,976	67,816	\$137.27	64,000	\$8,785,280	14,079	\$1,932,647
August	118,976	67,816	\$129.60			14,079	\$1,824,660
September	115,138	65,629	\$109.21			2,913	\$318,074
October	118,976	67,816	\$83.17			2,913	\$242,233
November	115,138	65,629	\$144.07			2,913	\$419,604
December	118,976	67,816	\$239.91			2,913	\$698,738
1 Annual cost of firm service to Monsanto					\$43,986,564		\$43,986,564
2 Purchase Power Savings due to possible interruptions					\$17,570,560		\$7,817,390
3 Annual cost less interruptibility credit (1) - (2)					\$26,416,004		\$36,169,174
4 Annual energy usage					1,400,846		1,400,846
5 Average rate with interruptibility credit (3) / (4)					\$18.86		\$25.82

## Purchase Power Savings Due to Interruptions 2001

Month	Total MWH	HLH MWH	HLH \$/MWH	Yankel		Adjusted to Conform with Monsanto Proposal	
				Hours of Interruption	Savings	Hours of Interruption	Savings
January	118,976	67,816	\$141.24			2,913	\$411,362
February	107,462	61,253	\$131.93			2,913	\$384,246
March	118,976	67,816	\$187.70			2,913	\$546,676
April	115,138	65,629	\$189.95			2,913	\$553,229
May	118,976	67,816	\$155.19			2,913	\$451,991
June	115,138	65,629	\$69.86	64,000	\$4,471,040	14,079	\$983,571
July	118,976	67,816	\$38.31	64,000	\$2,451,840	14,079	\$539,373
August	118,976	67,816	\$34.49			14,079	\$485,590
September	115,138	65,629	\$22.59			2,913	\$65,793
October	118,976	67,816	\$29.35			2,913	\$85,473
November	115,138	65,629	\$23.62			2,913	\$68,793
December	118,976	67,816	\$23.62			2,913	\$68,793
1 Annual cost of firm service to Monsanto					\$43,986,564		\$43,986,564
2 Purchase Power Savings due to possible interruptions					\$6,922,880		\$4,644,891
3 Annulaacost less interruptibility credit (1) - (2)					\$37,063,684		\$39,341,673
4 Annual energy usage					1,400,846		1,400,846
5 Average rate with interruptibility credit (3) / (4)					\$26.46		\$28.08

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### Monsanto Contract Price History

