

# ***Sandoval County Wholesale Water Supply Utility***

## ***Desalination Treatment Facility***

### ***Preliminary Engineering Report***

#### ***Appendix N***

##### ***Financial Analysis Workbook***

##### ***Alternative 3 - Fort Sumner Water Project Expansion***

<b><i>Computed Water Rate (per 1,000 gallons)</i></b>	<b><i>\$13.74</i></b>
<b><i>Capital Cost (millions)</i></b>	<b><i>\$233.2</i></b>
<b><i>Net Present Value (millions)</i></b>	<b><i>\$85.4</i></b>
<b><i>Present Value Whole Life Cost (millions)</i></b>	<b><i>\$336.1</i></b>

**Table N-1  
Finance and Operational Variables**

<b>Finance Information</b>		
Project Loan Finance Period	20	Years
Project Loan Finance Rate	4.50%	Per Year
Debt Service Cover Ratio	1.10	
Debt Service Cover Limit	2.00	years
Present Value Discount Rate	2.00%	
<b>Operation Expenses</b>		
Potable Water Supplied	5	MGD
<i>Electricity</i>		
Electricity First Year Price	\$ 0.04	Per KWH
Electricity Price Inflation Rate	3.00%	Per Year
<i>Natural Gas</i>		
Natural Gas First Year Price	\$ 0.049	Per MMBTU
Natural Gas Price Inflation Rate	3.00%	Per Year
<i>Treatment Chemicals</i>		
Treatment Chemicals First Year Price		See Chemicals Tab
Cereal Grains Price Inflation Rate	3.00%	Per Year
<i>Equipment Maintenance Expenses</i>		
Inflation Rate	3.00%	Per Year
<i>Fixed Office and Maintenance Expenses</i>		
Inflation Rate	3.00%	Per Year
<i>Employees Salaries and Benefits</i>		
Salary and Benefit Inflation Rate	3.00%	Per Year
<b>Revenues</b>		
<i>Potable Water</i>		
Potable Water First Year Expected Price	\$ 13.74	Per 1000 Gallons
<b>Depreciation &amp; Taxes</b>		
<i>Straight Line Method</i>		
Salvage Value % at End of 20 Years	0%	
Income Tax Rate	0%	Per Year

**Table N-2  
Project Cost Estimate**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Qty</u>	<u>Unit Cost</u>	<u>Total</u>
<b>I. Ft. Sumner Irrigation District Water Rights</b>					
1	Water Rights	AF	5600	\$8,000.00	\$44,800,000
	<b>TOTAL Water Rights</b>				<b>\$44,800,000</b>
<b>II. Ranney Well and Intake Structure</b>					
1	Mobilization & Site Preparation	LS	1	\$125,000.00	\$125,000
2	SWPPP	LS	1	\$10,000.00	\$10,000
3	Field Office	LS	1	\$12,500.00	\$12,500
4	Well Head Protection	LS	4	\$87,500.00	\$350,000
5	Ranney Well	LF	250	\$575.00	\$143,750
6	Intake Piping	LF	200	\$125.00	\$25,000
7	Caisson Pump Station	EA	1	\$550,000.00	\$550,000
8	Pumps	EA	3	\$95,000.00	\$285,000
9	Controls	EA	1	\$125,000.00	\$125,000
10	Sitework	EA	1	\$35,000.00	\$35,000
11	Purchase 3 AC Site	EA	1	\$300,000.00	\$300,000
	<b>TOTAL Raw Water Intake</b>				<b>\$1,961,250</b>
<b>III. Raw Water Transmission Pipelines:</b>					
1	24" Rural Pipeline, installed (47% share)	LF	755,040	\$165.00	\$58,553,352
2	24" Valves & Appurtenances (47% share)	LS	143	\$10,000.00	\$672,100
3	Pump Stations	EA	5	\$2,000,000.00	\$4,700,000
4	18" Rural Pipeline, installed (80% share)	LF	63,360	\$175.00	\$8,870,400
5	18" Valves & Appurtenances (80% share)	LS	12	\$8,000.00	\$76,800
6	Pump Stations	EA	1	\$1,500,000.00	\$1,200,000
7	18" Suburban Pipeline, installed (100% share)	LF	110,880	\$200.00	\$22,176,000
8	18" Valves & Appurtenances (100% share)	LS	21	\$8,000.00	\$168,000
9	Pump Station	EA	2	\$1,500,000.00	\$3,000,000
10	Raw Water Storage Tank	EA	1	\$4,000,000.00	\$4,000,000
	<b>TOTAL Raw Water Transmission Piping</b>				<b>\$103,416,652</b>
<b>IV. Water Treatment Plant</b>					
1	Site Work & Grading				\$250,000
2	Site Yard Piping				\$450,000
3	Chemical Feed- Hypochlorite				\$75,000
4	Hypochlorite tanks				\$37,500
5	Flocculation Facilities				\$281,250
6	Lime Feed System- Dry side				\$450,000
7	Lime Feed System- Wet side				\$75,000
8	Softening Clarifiers				\$3,600,000
9	Softening Clarifiers- Discharge thickener				\$250,000
10	Lime Sludge Dewatering				\$750,000
11	Equalization Tank and wet well				\$400,000
12	Filter and Ion Exchange Supply Pumps				\$150,000
13	Media Filter-				\$2,000,000

14	Media Filter Backwash Facilities				\$93,750
15	Emergency permeate flush water				\$50,000
16	Finished Water Disinfection (Storage and Metering)				\$25,000
17	Finished Water Pump Station				\$375,000
18	Operations Facility				\$350,000
19	Chemical Storage Facility Building				\$240,000
20	Process Equipment Building				\$850,000
21	Facility Electrical				\$850,000
22	Overall Instrumentation and Control System				\$250,000
23	Land Procurement				\$125,000
<b>Total Water Treatment Plant</b>					<b>\$11,977,500</b>

#### V. Finished Water Transmission Piping:

1	30" Pipeline, installed	LF	500	\$185.00	\$92,500
2	30" Gate Valve Assembly	LS	1	\$25,000.00	\$25,000
3	Air Release Valve and Vault	LS	2	\$2,500.00	\$5,000
4	Finished Water Storage				\$4,000,000

**Total Finished Water Transmission Piping**

**\$4,122,500**

#### **Construction Total**

**\$166,277,902**

#### VI. Other Costs

1	Engineering				\$9,976,674
2	Construction Administration				\$9,976,674
3	Legal				\$3,325,558
4	Bond Counsel				\$831,390
5	Underwriters Fee				\$4,988,337
6	Official Statement				\$1,662,779
7	Contingency				\$12,470,843
8	Environmental Permitting (Pipeline EIS)				\$800,000
9	Interest during Construction				\$16,875,000
10	Recovery of Groundwater Exploration Costs				\$6,000,000
<b>Total Other Costs</b>					<b>\$66,907,255</b>

#### VII. Total Project Cost

**\$233,185,157**

#### VIII. Grant Funding Already Received

**\$3,500,000**

#### IX. Project Funding Required

**\$229,685,157**

#### X. Other Startup Cost

<b>Capitalized Interest (1 Year)</b>	<b>\$10,335,832</b>
<b>Cash Reserve For Operations</b>	<b>\$2</b>
<b>Chemicals &amp; Lime (3 Month Supply)</b>	<b>\$58,400</b>
<b>Operating Cash Total</b>	<b>\$10,394,234</b>

#### XI. Long Term Loan Requirements

**\$240,079,391**

Table N-3  
Income Statements

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
<b>Gross Revenue</b>	\$ 25,077,183	\$ 25,220,438	\$ 25,367,991	\$ 25,519,970	\$ 25,676,509	\$ 25,837,744	\$ 26,003,815	\$ 26,174,869	\$ 26,351,055	\$ 26,532,526	\$ 26,719,442	\$ 26,911,964	\$ 27,110,263	\$ 27,314,510	\$ 27,524,885	\$ 25,895,933	\$ 26,119,120	\$ 26,349,002	\$ 26,585,781	\$ 26,829,663
Potable Water	\$ 25,077,183	\$ 25,220,438	\$ 25,367,991	\$ 25,519,970	\$ 25,676,509	\$ 25,837,744	\$ 26,003,815	\$ 26,174,869	\$ 26,351,055	\$ 26,532,526	\$ 26,719,442	\$ 26,911,964	\$ 27,110,263	\$ 27,314,510	\$ 27,524,885	\$ 25,895,933	\$ 26,119,120	\$ 26,349,002	\$ 26,585,781	\$ 26,829,663
<b>Cost of Goods Sold</b>	\$ 3,796,036	\$ 3,909,917	\$ 4,027,215	\$ 4,148,031	\$ 4,272,472	\$ 4,400,646	\$ 4,532,666	\$ 4,668,646	\$ 4,808,705	\$ 4,952,966	\$ 5,101,555	\$ 5,254,602	\$ 5,412,240	\$ 5,574,607	\$ 5,741,845	\$ 5,914,101	\$ 6,091,524	\$ 6,274,270	\$ 6,462,498	\$ 6,656,373
Electricity	\$ 1,132,878	\$ 1,166,865	\$ 1,201,871	\$ 1,237,927	\$ 1,275,064	\$ 1,313,316	\$ 1,352,716	\$ 1,393,297	\$ 1,435,096	\$ 1,478,149	\$ 1,522,494	\$ 1,568,168	\$ 1,615,213	\$ 1,663,670	\$ 1,713,580	\$ 1,764,987	\$ 1,817,937	\$ 1,872,475	\$ 1,928,649	\$ 1,986,509
Natural Gas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Treatment Chemicals	\$ 233,600	\$ 240,608	\$ 247,826	\$ 255,261	\$ 262,919	\$ 270,806	\$ 278,931	\$ 287,299	\$ 295,917	\$ 304,795	\$ 313,939	\$ 323,357	\$ 333,058	\$ 343,049	\$ 353,341	\$ 363,941	\$ 374,859	\$ 386,105	\$ 397,688	\$ 409,619
Equipment Maintenance & Replacement	\$ 2,429,558	\$ 2,502,445	\$ 2,577,518	\$ 2,654,844	\$ 2,734,489	\$ 2,816,524	\$ 2,901,019	\$ 2,988,050	\$ 3,077,691	\$ 3,170,022	\$ 3,265,123	\$ 3,363,077	\$ 3,463,969	\$ 3,567,888	\$ 3,674,925	\$ 3,785,172	\$ 3,898,727	\$ 4,015,689	\$ 4,136,160	\$ 4,260,245
<b>Operating Expenses</b>	\$ 979,131	\$ 1,008,505	\$ 1,038,760	\$ 1,069,923	\$ 1,102,021	\$ 1,135,081	\$ 1,169,134	\$ 1,204,208	\$ 1,240,334	\$ 1,277,544	\$ 1,315,871	\$ 1,355,347	\$ 1,396,007	\$ 1,437,887	\$ 1,481,024	\$ 1,525,455	\$ 1,571,218	\$ 1,618,355	\$ 1,666,905	\$ 1,716,913
Personnel Wages & Benefits	\$ 444,500	\$ 457,835	\$ 471,570	\$ 485,717	\$ 500,289	\$ 515,297	\$ 530,756	\$ 546,679	\$ 563,079	\$ 579,972	\$ 597,371	\$ 615,292	\$ 633,751	\$ 652,763	\$ 672,346	\$ 692,517	\$ 713,292	\$ 734,691	\$ 756,731	\$ 779,433
Fixed Maintenance For Operations	\$ 534,631	\$ 550,670	\$ 567,190	\$ 584,206	\$ 601,732	\$ 619,784	\$ 638,378	\$ 657,529	\$ 677,255	\$ 697,573	\$ 718,500	\$ 740,055	\$ 762,256	\$ 785,124	\$ 808,678	\$ 832,938	\$ 857,926	\$ 883,664	\$ 910,174	\$ 937,479
<b>Operating Earnings</b>	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 20,302,016	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378
<b>Debt Service</b>	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378	\$ 18,456,378
Principal Payment	\$ 7,652,805	\$ 7,997,182	\$ 8,357,055	\$ 8,733,122	\$ 9,126,113	\$ 9,536,788	\$ 9,965,943	\$ 10,414,411	\$ 10,883,059	\$ 11,372,797	\$ 11,884,573	\$ 12,419,378	\$ 12,978,250	\$ 13,562,272	\$ 14,172,574	\$ 14,810,340	\$ 15,476,805	\$ 16,173,261	\$ 16,901,058	\$ 17,661,606
Interest Expense	\$ 10,803,573	\$ 10,459,196	\$ 10,099,323	\$ 9,723,256	\$ 9,330,265	\$ 8,919,590	\$ 8,490,435	\$ 8,041,967	\$ 7,573,319	\$ 7,083,581	\$ 6,571,805	\$ 6,036,999	\$ 5,478,127	\$ 4,894,106	\$ 4,283,804	\$ 3,646,038	\$ 2,979,573	\$ 2,283,117	\$ 1,555,320	\$ 794,772
<b>Excess Revenue</b>	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ 1,845,638	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Reserve Account</b>	\$ 10,394,234	\$ 12,239,872	\$ 14,085,510	\$ 15,931,147	\$ 17,776,785	\$ 19,622,423	\$ 21,468,061	\$ 23,313,699	\$ 25,159,336	\$ 27,004,974	\$ 28,850,612	\$ 30,696,250	\$ 32,541,887	\$ 34,387,525	\$ 36,233,163	\$ 38,078,801	\$ 38,078,801	\$ 38,078,801	\$ 38,078,801	\$ 38,078,801
<b>Debt Service Coverage</b>	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.00	1.00	1.00
Water Produced (kgal/year)	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000	1825000
Water Rate \$/kgal	\$ 13.74	\$ 13.82	\$ 13.90	\$ 13.98	\$ 14.07	\$ 14.16	\$ 14.25	\$ 14.34	\$ 14.44	\$ 14.54	\$ 14.64	\$ 14.75	\$ 14.85	\$ 14.97	\$ 15.08	\$ 14.19	\$ 14.31	\$ 14.44	\$ 14.57	\$ 14.70
Escalation	0	0.57%	0.59%	0.60%	0.61%	0.63%	0.64%	0.66%	0.67%	0.69%	0.70%	0.72%	0.74%	0.75%	0.77%	-5.92%	0.86%	0.88%	0.90%	0.92%

Table N-4  
Project Revenues

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
<b>Potable Water</b>																				
Galons/Day	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Operatng Costs	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334	\$ -13,334
Revenue	\$ 25,077,183	\$ 25,220,438	\$ 25,367,891	\$ 25,518,970	\$ 25,676,509	\$ 25,837,744	\$ 26,003,815	\$ 26,174,869	\$ 26,351,055	\$ 26,532,526	\$ 26,719,442	\$ 26,911,862	\$ 27,110,263	\$ 27,314,610	\$ 27,524,885	\$ 25,895,833	\$ 26,119,120	\$ 26,349,002	\$ 26,585,781	\$ 26,829,663
<b>Total Revenue</b>	\$ 25,077,183	\$ 25,220,438	\$ 25,367,891	\$ 25,518,970	\$ 25,676,509	\$ 25,837,744	\$ 26,003,815	\$ 26,174,869	\$ 26,351,055	\$ 26,532,526	\$ 26,719,442	\$ 26,911,862	\$ 27,110,263	\$ 27,314,610	\$ 27,524,885	\$ 25,895,833	\$ 26,119,120	\$ 26,349,002	\$ 26,585,781	\$ 26,829,663

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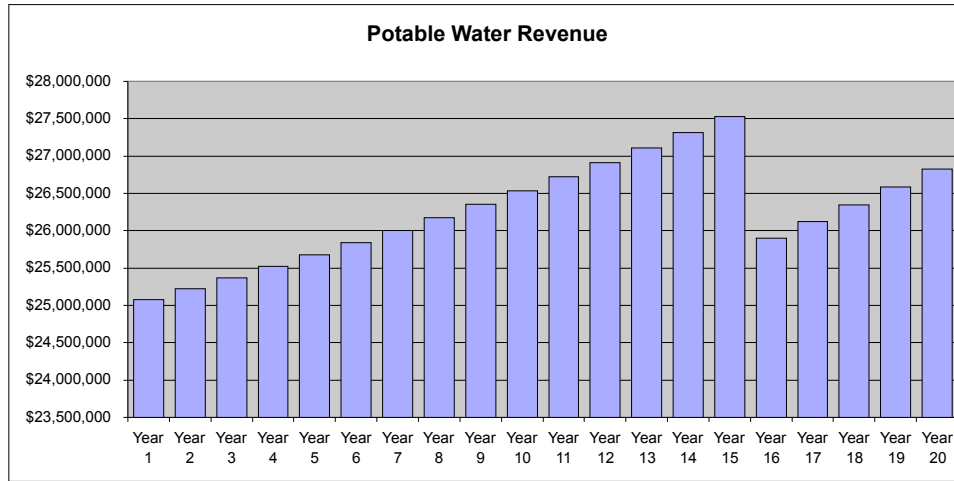


Table N-5  
Costs of Goods Sold

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	
<b>Electricity</b>	KWH Annually	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	28,321,956	
	Price (\$/KWH)	\$ 0.04	\$ 0.0412	\$ 0.042436	\$ 0.04370908	\$ 0.045020352	\$ 0.046370963	\$ 0.047762092	\$ 0.049194956	\$ 0.050670803	\$ 0.052190927	\$ 0.053756656	\$ 0.055369356	\$ 0.057030435	\$ 0.058741349	\$ 0.060503589	\$ 0.062218607	\$ 0.064188258	\$ 0.066113905	\$ 0.068097322	\$ 0.070140242
	Cost	\$ 1,132,878	\$ 1,166,865	\$ 1,201,871	\$ 1,237,927	\$ 1,275,064	\$ 1,313,316	\$ 1,352,716	\$ 1,393,297	\$ 1,435,096	\$ 1,478,149	\$ 1,522,494	\$ 1,568,168	\$ 1,615,213	\$ 1,663,670	\$ 1,713,590	\$ 1,764,987	\$ 1,817,937	\$ 1,872,475	\$ 1,928,649	\$ 1,986,509
<b>Natural Gas</b>	MMBTU Annually	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Price (\$/MMBTU)	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.05	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.06	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.08	\$ 0.08	\$ 0.08	\$ 0.09
	Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Treatment Chemicals</b>	Cost	\$ 233,600	\$ 240,608	\$ 247,826	\$ 255,261	\$ 262,919	\$ 270,806	\$ 278,931	\$ 287,299	\$ 295,917	\$ 304,795	\$ 313,939	\$ 323,357	\$ 333,058	\$ 343,049	\$ 353,341	\$ 363,941	\$ 374,859	\$ 386,105	\$ 397,688	\$ 409,619
<b>Equipment Maintenance &amp; Replacement</b>	Cost	\$ 2,420,558	\$ 2,502,445	\$ 2,577,518	\$ 2,654,844	\$ 2,734,489	\$ 2,816,524	\$ 2,901,019	\$ 2,988,050	\$ 3,077,691	\$ 3,170,022	\$ 3,265,123	\$ 3,363,077	\$ 3,463,969	\$ 3,567,888	\$ 3,674,925	\$ 3,785,172	\$ 3,898,727	\$ 4,015,689	\$ 4,136,160	\$ 4,260,245
<b>Total Cost of Goods Sold</b>		\$ 3,796,036	\$ 3,909,917	\$ 4,027,215	\$ 4,148,031	\$ 4,272,472	\$ 4,400,646	\$ 4,532,656	\$ 4,668,646	\$ 4,808,705	\$ 4,952,966	\$ 5,101,555	\$ 5,254,602	\$ 5,412,240	\$ 5,574,607	\$ 5,741,845	\$ 5,914,101	\$ 6,091,524	\$ 6,274,270	\$ 6,462,499	\$ 6,656,373

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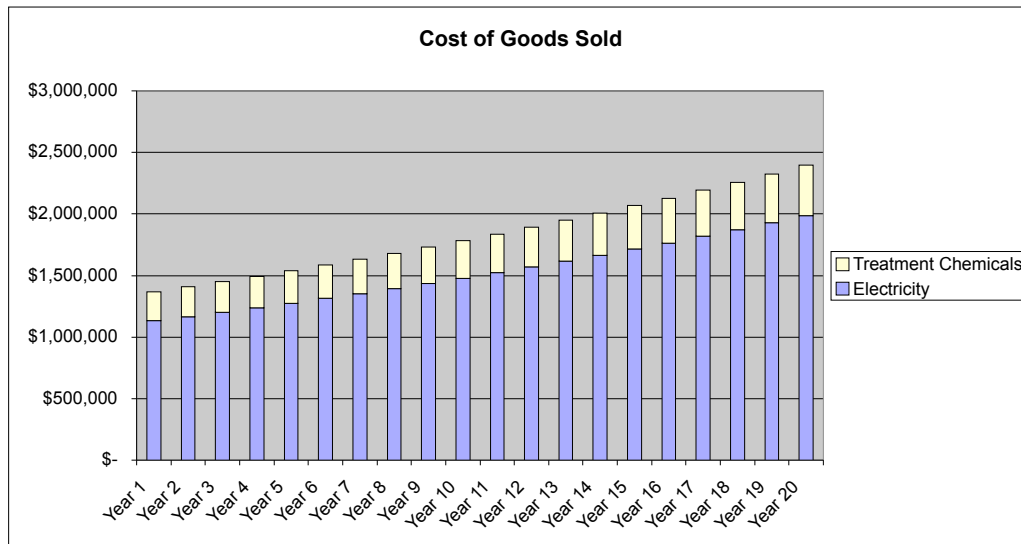


Table N-6  
Long Term Loan

	Startup	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Loan Amount Upon Plant Start-Up	\$ 240,079,361																				
Beginning Principal Balance		\$ 240,079,360.56	\$ 232,426,585.26	\$ 224,429,403.72	\$ 216,072,349.01	\$ 207,339,226.84	\$ 198,213,114.16	\$ 188,676,326.42	\$ 178,710,383.24	\$ 168,295,972.60	\$ 157,412,913.49	\$ 146,040,116.72	\$ 134,155,544.09	\$ 121,739,165.70	#####	\$ 65,195,643.59	\$ 81,023,069.67	\$ 66,212,729.93	\$ 50,735,924.90	\$ 34,562,663.64	\$ 17,661,606.63
Annual Payment	\$ 18,466,377.66	\$ 10,803,572.58	\$ 10,459,196.34	\$ 10,069,323.17	\$ 9,723,265.71	\$ 9,330,265.71	\$ 8,919,590.14	\$ 8,490,434.69	\$ 8,041,987.25	\$ 7,573,319.77	\$ 7,083,581.11	\$ 6,571,805.25	\$ 6,039,999.48	\$ 5,478,127.46	\$ 4,894,106.19	\$ 4,283,803.96	\$ 3,646,038.14	\$ 2,979,572.86	\$ 2,293,116.62	\$ 1,555,319.66	\$ 794,772.26
Payment Towards Principal		\$ 7,862,806.39	\$ 7,997,181.64	\$ 8,357,426.71	\$ 8,713,122.17	\$ 9,126,112.67	\$ 9,598,707.73	\$ 10,129,543.19	\$ 10,714,010.63	\$ 11,372,766.77	\$ 12,109,472.83	\$ 12,930,260.42	\$ 13,848,072.83	\$ 14,863,260.42	\$ 15,979,271.60	\$ 17,192,673.82	\$ 18,510,339.74	\$ 19,934,805.03	\$ 21,464,261.26	\$ 23,101,056.01	\$ 24,848,606.63
Loan Finance Rate	4.5%																				
Ending Principal Balance		\$ 232,426,585.26	\$ 224,429,403.72	\$ 216,072,349.01	\$ 207,339,226.84	\$ 198,213,114.16	\$ 188,676,326.42	\$ 178,710,383.24	\$ 168,295,972.60	\$ 157,412,913.49	\$ 146,040,116.72	\$ 134,155,544.09	\$ 121,739,165.70	\$ 108,757,915.28	\$ 95,195,643.59	\$ 81,023,069.67	\$ 66,212,729.93	\$ 50,735,924.90	\$ 34,562,663.64	\$ 17,661,606.63	\$ -

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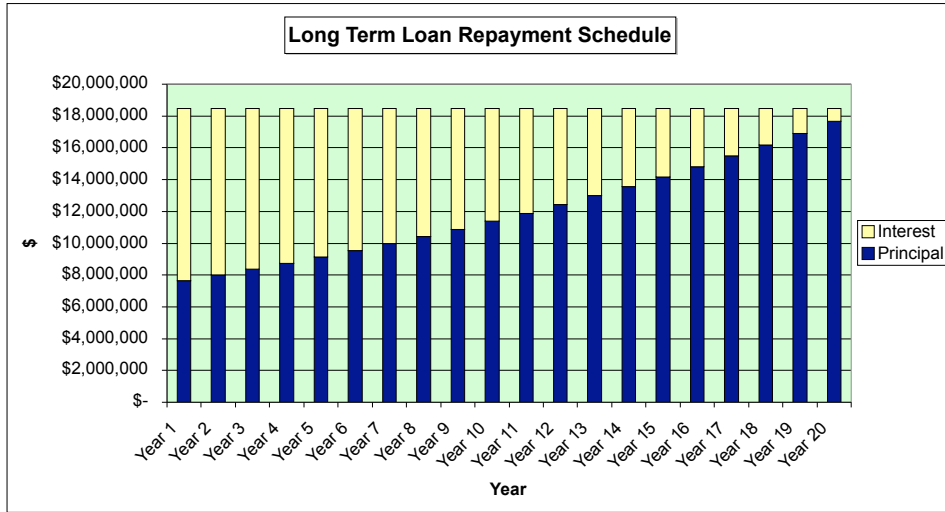




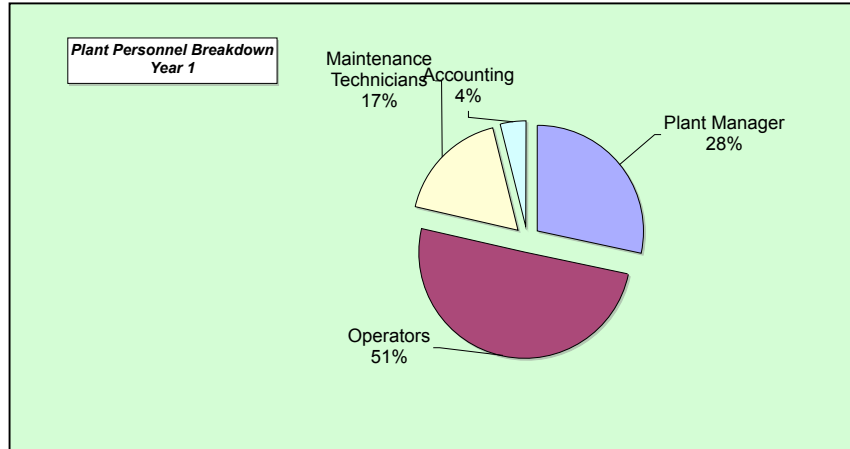
Table N-7  
Maintenance & Insurance Expense

Category	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
<i>Auditing</i>	\$ 6,000.00	\$ 6,180.00	\$ 6,365.40	\$ 6,556.36	\$ 6,753.06	\$ 6,955.64	\$ 7,164.31	\$ 7,379.24	\$ 7,600.62	\$ 7,828.64	\$ 8,063.40	\$ 8,305.40	\$ 8,554.57	\$ 8,811.20	\$ 9,075.54	\$ 9,347.80	\$ 9,628.24	\$ 9,917.09	\$ 10,214.60	\$ 10,521.04
<i>Architect &amp; Eng.</i>	\$ 35,000.00	\$ 36,050.00	\$ 37,131.50	\$ 38,245.45	\$ 39,392.81	\$ 40,574.50	\$ 41,791.63	\$ 43,045.59	\$ 44,338.95	\$ 45,667.06	\$ 47,037.07	\$ 48,448.19	\$ 49,901.63	\$ 51,398.68	\$ 52,940.64	\$ 54,528.86	\$ 56,164.73	\$ 57,849.67	\$ 59,585.16	\$ 61,372.71
<i>Other Eng.</i>	\$ 6,000.00	\$ 6,180.00	\$ 6,365.40	\$ 6,556.36	\$ 6,753.06	\$ 6,955.64	\$ 7,164.31	\$ 7,379.24	\$ 7,600.62	\$ 7,828.64	\$ 8,063.40	\$ 8,305.40	\$ 8,554.57	\$ 8,811.20	\$ 9,075.54	\$ 9,347.80	\$ 9,628.24	\$ 9,917.09	\$ 10,214.60	\$ 10,521.04
<i>Telephone</i>	\$ 3,000.00	\$ 3,708.00	\$ 3,819.24	\$ 3,933.82	\$ 4,051.83	\$ 4,173.39	\$ 4,298.69	\$ 4,427.55	\$ 4,560.37	\$ 4,697.18	\$ 4,838.10	\$ 4,983.24	\$ 5,132.74	\$ 5,286.72	\$ 5,440.26	\$ 5,602.68	\$ 5,774.04	\$ 5,954.25	\$ 6,143.66	\$ 6,342.62
<i>Postage</i>	\$ 6,000.00	\$ 6,180.00	\$ 6,365.40	\$ 6,556.36	\$ 6,753.06	\$ 6,955.64	\$ 7,164.31	\$ 7,379.24	\$ 7,600.62	\$ 7,828.64	\$ 8,063.40	\$ 8,305.40	\$ 8,554.57	\$ 8,811.20	\$ 9,075.54	\$ 9,347.80	\$ 9,628.24	\$ 9,917.09	\$ 10,214.60	\$ 10,521.04
<i>Advertising</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Insurance-IAR</i>	\$ 45,000.00	\$ 46,350.00	\$ 47,740.50	\$ 49,172.72	\$ 50,647.90	\$ 52,167.33	\$ 53,732.35	\$ 55,344.32	\$ 57,004.65	\$ 58,714.79	\$ 60,476.24	\$ 62,290.52	\$ 64,159.24	\$ 66,084.02	\$ 68,066.54	\$ 70,108.53	\$ 72,211.79	\$ 74,378.14	\$ 76,609.49	\$ 78,907.77
<i>Travel Training &amp; Dues</i>	\$ 981.25	\$ 1,010.69	\$ 1,041.01	\$ 1,072.24	\$ 1,104.41	\$ 1,137.54	\$ 1,171.66	\$ 1,206.81	\$ 1,243.02	\$ 1,280.31	\$ 1,318.72	\$ 1,358.28	\$ 1,399.03	\$ 1,441.00	\$ 1,484.23	\$ 1,528.76	\$ 1,574.62	\$ 1,621.86	\$ 1,670.51	\$ 1,720.63
<i>Printing</i>	\$ 3,000.00	\$ 3,050.00	\$ 3,182.70	\$ 3,278.18	\$ 3,376.83	\$ 3,477.82	\$ 3,582.16	\$ 3,689.62	\$ 3,800.31	\$ 3,914.32	\$ 4,031.75	\$ 4,152.70	\$ 4,277.28	\$ 4,405.60	\$ 4,537.77	\$ 4,673.90	\$ 4,814.12	\$ 4,958.54	\$ 5,107.30	\$ 5,260.52
<i>Building Repairs</i>	\$ 1,500.00	\$ 1,545.00	\$ 1,591.35	\$ 1,639.06	\$ 1,688.26	\$ 1,738.91	\$ 1,791.08	\$ 1,844.81	\$ 1,900.16	\$ 1,957.16	\$ 2,015.87	\$ 2,076.35	\$ 2,138.64	\$ 2,202.80	\$ 2,268.88	\$ 2,336.95	\$ 2,407.06	\$ 2,479.27	\$ 2,553.65	\$ 2,630.26
<i>Late Fees</i>	\$ 30,000.00	\$ 30,900.00	\$ 31,827.00	\$ 32,781.61	\$ 33,765.26	\$ 34,778.32	\$ 35,821.67	\$ 36,896.22	\$ 38,003.10	\$ 39,143.20	\$ 40,317.49	\$ 41,527.02	\$ 42,772.83	\$ 44,056.01	\$ 45,378.66	\$ 46,741.87	\$ 48,146.73	\$ 49,594.34	\$ 51,086.70	\$ 52,624.91
<i>Shop Allocation</i>	\$ 3,500.00	\$ 3,605.00	\$ 3,713.15	\$ 3,824.54	\$ 3,939.28	\$ 4,057.46	\$ 4,179.18	\$ 4,304.56	\$ 4,433.70	\$ 4,566.71	\$ 4,703.71	\$ 4,844.82	\$ 4,990.16	\$ 5,139.87	\$ 5,294.06	\$ 5,452.89	\$ 5,616.47	\$ 5,784.97	\$ 5,958.52	\$ 6,137.27
<i>Vehicle Repair</i>	\$ 3,000.00	\$ 3,050.00	\$ 3,182.70	\$ 3,278.18	\$ 3,376.83	\$ 3,477.82	\$ 3,582.16	\$ 3,689.62	\$ 3,800.31	\$ 3,914.32	\$ 4,031.75	\$ 4,152.70	\$ 4,277.28	\$ 4,405.60	\$ 4,537.77	\$ 4,673.90	\$ 4,814.12	\$ 4,958.54	\$ 5,107.30	\$ 5,260.52
<i>Communication Equipment Repair</i>	\$ 1,200.00	\$ 1,236.00	\$ 1,273.08	\$ 1,311.27	\$ 1,350.61	\$ 1,391.13	\$ 1,432.86	\$ 1,475.85	\$ 1,520.12	\$ 1,565.73	\$ 1,612.70	\$ 1,661.08	\$ 1,710.91	\$ 1,762.24	\$ 1,815.11	\$ 1,869.56	\$ 1,925.65	\$ 1,983.42	\$ 2,042.92	\$ 2,104.21
<i>Other Repair</i>	\$ 15,000.00	\$ 15,450.00	\$ 15,913.50	\$ 16,390.91	\$ 16,882.63	\$ 17,389.11	\$ 17,910.78	\$ 18,448.11	\$ 19,001.55	\$ 19,571.60	\$ 20,158.75	\$ 20,763.51	\$ 21,386.41	\$ 22,028.01	\$ 22,688.85	\$ 23,369.51	\$ 24,070.60	\$ 24,792.71	\$ 25,536.50	\$ 26,302.59
<i>Other Contractual</i>	\$ 5,000.00	\$ 5,150.00	\$ 5,304.50	\$ 5,463.64	\$ 5,627.54	\$ 5,796.37	\$ 5,970.26	\$ 6,149.37	\$ 6,333.85	\$ 6,523.87	\$ 6,719.58	\$ 6,921.17	\$ 7,128.80	\$ 7,342.67	\$ 7,562.95	\$ 7,789.84	\$ 8,023.53	\$ 8,264.24	\$ 8,512.17	\$ 8,767.53
<i>Office Supply</i>	\$ 2,500.00	\$ 2,575.00	\$ 2,652.25	\$ 2,731.82	\$ 2,813.77	\$ 2,898.19	\$ 2,985.13	\$ 3,074.68	\$ 3,166.93	\$ 3,261.93	\$ 3,359.78	\$ 3,460.58	\$ 3,564.43	\$ 3,671.33	\$ 3,781.47	\$ 3,894.92	\$ 4,011.77	\$ 4,132.12	\$ 4,256.08	\$ 4,383.77
<i>Fuel</i>	\$ 5,000.00	\$ 5,150.00	\$ 5,304.50	\$ 5,463.64	\$ 5,627.54	\$ 5,796.37	\$ 5,970.26	\$ 6,149.37	\$ 6,333.85	\$ 6,523.87	\$ 6,719.58	\$ 6,921.17	\$ 7,128.80	\$ 7,342.67	\$ 7,562.95	\$ 7,789.84	\$ 8,023.53	\$ 8,264.24	\$ 8,512.17	\$ 8,767.53
<i>Asphalt</i>	\$ 1,000.00	\$ 1,030.00	\$ 1,060.90	\$ 1,092.73	\$ 1,125.51	\$ 1,159.27	\$ 1,194.05	\$ 1,229.87	\$ 1,266.77	\$ 1,304.77	\$ 1,343.92	\$ 1,384.26	\$ 1,425.76	\$ 1,468.53	\$ 1,512.69	\$ 1,557.97	\$ 1,604.71	\$ 1,652.85	\$ 1,702.43	\$ 1,753.51
<i>Concrete</i>	\$ 3,500.00	\$ 3,605.00	\$ 3,713.15	\$ 3,824.54	\$ 3,939.28	\$ 4,057.46	\$ 4,179.18	\$ 4,304.56	\$ 4,433.70	\$ 4,566.71	\$ 4,703.71	\$ 4,844.82	\$ 4,990.16	\$ 5,139.87	\$ 5,294.06	\$ 5,452.89	\$ 5,616.47	\$ 5,784.97	\$ 5,958.52	\$ 6,137.27
<i>Cleaning &amp; Sanitary</i>	\$ 3,800.00	\$ 3,708.00	\$ 3,819.24	\$ 3,933.82	\$ 4,051.83	\$ 4,173.39	\$ 4,298.69	\$ 4,427.55	\$ 4,560.37	\$ 4,697.18	\$ 4,838.10	\$ 4,983.24	\$ 5,132.74	\$ 5,286.72	\$ 5,440.26	\$ 5,602.68	\$ 5,774.04	\$ 5,954.25	\$ 6,143.66	\$ 6,342.62
<i>Road Maint Supplies</i>	\$ 1,500.00	\$ 1,545.00	\$ 1,591.35	\$ 1,639.06	\$ 1,688.26	\$ 1,738.91	\$ 1,791.08	\$ 1,844.81	\$ 1,900.16	\$ 1,957.16	\$ 2,015.87	\$ 2,076.35	\$ 2,138.64	\$ 2,202.80	\$ 2,268.88	\$ 2,336.95	\$ 2,407.06	\$ 2,479.27	\$ 2,553.65	\$ 2,630.26
<i>Photo Supplies</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Uniform/Access</i>	\$ 3,500.00	\$ 3,605.00	\$ 3,713.15	\$ 3,824.54	\$ 3,939.28	\$ 4,057.46	\$ 4,179.18	\$ 4,304.56	\$ 4,433.70	\$ 4,566.71	\$ 4,703.71	\$ 4,844.82	\$ 4,990.16	\$ 5,139.87	\$ 5,294.06	\$ 5,452.89	\$ 5,616.47	\$ 5,784.97	\$ 5,958.52	\$ 6,137.27
<i>Books/Subscriptions</i>	\$ 500.00	\$ 516.00	\$ 530.45	\$ 546.36	\$ 562.75	\$ 579.64	\$ 597.03	\$ 614.94	\$ 633.39	\$ 652.30	\$ 671.66	\$ 691.42	\$ 711.68	\$ 732.47	\$ 753.76	\$ 775.50	\$ 797.78	\$ 820.56	\$ 843.82	\$ 867.57
<i>Motor Fuel</i>	\$ 12,000.00	\$ 12,360.00	\$ 12,730.80	\$ 13,112.72	\$ 13,506.11	\$ 13,911.29	\$ 14,328.63	\$ 14,758.49	\$ 15,201.24	\$ 15,657.28	\$ 16,127.00	\$ 16,610.81	\$ 17,109.13	\$ 17,622.40	\$ 18,151.08	\$ 18,695.61	\$ 19,256.48	\$ 19,834.17	\$ 20,429.20	\$ 21,042.07
<i>Motor Oil</i>	\$ 500.00	\$ 516.00	\$ 530.45	\$ 546.36	\$ 562.75	\$ 579.64	\$ 597.03	\$ 614.94	\$ 633.39	\$ 652.30	\$ 671.66	\$ 691.42	\$ 711.68	\$ 732.47	\$ 753.76	\$ 775.50	\$ 797.78	\$ 820.56	\$ 843.82	\$ 867.57
<i>Lubricants</i>	\$ 1,000.00	\$ 1,030.00	\$ 1,060.90	\$ 1,092.73	\$ 1,125.51	\$ 1,159.27	\$ 1,194.05	\$ 1,229.87	\$ 1,266.77	\$ 1,304.77	\$ 1,343.92	\$ 1,384.26	\$ 1,425.76	\$ 1,468.53	\$ 1,512.69	\$ 1,557.97	\$ 1,604.71	\$ 1,652.85	\$ 1,702.43	\$ 1,753.51
<i>Lumber/Wood Supp</i>	\$ 850.00	\$ 875.50	\$ 901.77	\$ 928.82	\$ 956.68	\$ 985.38	\$ 1,014.94	\$ 1,045.39	\$ 1,076.75	\$ 1,109.06	\$ 1,142.33	\$ 1,176.60	\$ 1,211.90	\$ 1,248.25	\$ 1,285.70	\$ 1,324.27	\$ 1,364.00	\$ 1,404.92	\$ 1,447.07	\$ 1,490.48
<i>Steel/Metal Supp</i>	\$ 350.00	\$ 360.50	\$ 371.32	\$ 382.45	\$ 393.93	\$ 405.75	\$ 417.92	\$ 430.46	\$ 443.37	\$ 456.67	\$ 470.37	\$ 484.48	\$ 499.02	\$ 513.99	\$ 529.41	\$ 545.29	\$ 561.65	\$ 578.50	\$ 595.85	\$ 613.73
<i>Laboratory Supplies</i>	\$ 5,500.00	\$ 5,665.00	\$ 5,834.95	\$ 6,010.00	\$ 6,190.30	\$ 6,376.01	\$ 6,567.29	\$ 6,764.31	\$ 6,967.24	\$ 7,176.25	\$ 7,391.54	\$ 7,613.29	\$ 7,841.68	\$ 8,076.54	\$ 8,319.24	\$ 8,568.82	\$ 8,825.89	\$ 9,090.66	\$ 9,363.38	\$ 9,644.28
<i>Welding Supp</i>	\$ 350.00	\$ 360.50	\$ 371.32	\$ 382.45	\$ 393.93	\$ 405.75	\$ 417.92	\$ 430.46	\$ 443.37	\$ 456.67	\$ 470.37	\$ 484.48	\$ 499.02	\$ 513.99	\$ 529.41	\$ 545.29	\$ 561.65	\$ 578.50	\$ 595.85	\$ 613.73
<i>Misc Hardware</i>	\$ 1,500.00	\$ 1,545.00	\$ 1,591.35	\$ 1,639.06	\$ 1,688.26	\$ 1,738.91	\$ 1,791.08	\$ 1,844.81	\$ 1,900.16	\$ 1,957.16	\$ 2,015.87	\$ 2,076.35	\$ 2,138.64	\$ 2,202.80	\$ 2,268.88	\$ 2,336.95	\$ 2,407.06	\$ 2,479.27	\$ 2,553.65	\$ 2,630.26
<i>Other Commodities</i>	\$ 4,000.00	\$ 4,120.00	\$ 4,243.60	\$ 4,370.91	\$ 4,502.04	\$ 4,637.10	\$ 4,776.21	\$ 4,919.50	\$ 5,067.08	\$ 5,217.99	\$ 5,372.27	\$ 5,530.04	\$ 5,700.08	\$ 5,873.04	\$ 6,049.68	\$ 6,230.61	\$ 6,415.53	\$ 6,605.16	\$ 6,800.27	\$ 7,010.02
<i>Admin Fees</i>	\$ 3,500.00	\$ 3,605.00	\$ 3,713.15	\$ 3,824.54	\$ 3,939.28	\$ 4,057.46	\$ 4,179.18	\$ 4,304.56	\$ 4,433.70	\$ 4,566.71	\$ 4,703.71	\$ 4,844.82	\$ 4,990.16	\$ 5,139.87	\$ 5,294.06	\$ 5,452.89	\$ 5,616.47	\$ 5,784.97	\$ 5,958.52	\$ 6,137.27
<i>Risk &amp; Fixed Equip</i>	\$ 8,000.00	\$ 8,240.00	\$ 8,487.20	\$ 8,741.62	\$ 9,004.07	\$ 9,274.19	\$ 9,552.42	\$ 9,838.99	\$ 10,134.16	\$ 10,438.10	\$ 10,750.33	\$ 11,071.37	\$ 11,400.60	\$ 11,748.47	\$ 12,105.72	\$ 12,482.14	\$ 12,868.49	\$ 13,264.56	\$ 13,671.14	\$ 14,088.05
<i>Vehicles</i>	\$ 2,000.00	\$ 2,060.00	\$ 2,121.80	\$ 2,185.45	\$ 2,251.02	\$ 2,318.55	\$ 2,388.10	\$ 2,459.75	\$ 2,533.54	\$ 2,609.55	\$ 2,687.83	\$ 2,768.47	\$ 2,851.52	\$ 2,937.07	\$ 3,025.18	\$ 3,115.93	\$ 3,209.41	\$ 3,305.70	\$ 3,404.87	\$ 3,507.01
<i>Construction Equip</i>	\$ 3,000.00	\$ 3,050.00	\$ 3,182.70	\$ 3,278.18	\$ 3,376.83	\$ 3,477.82	\$ 3,582.16	\$ 3,689.62	\$ 3,800.31	\$ 3,914.32	\$ 4,031.75	\$ 4,152.70	\$ 4,277.28	\$ 4,405.60	\$ 4,537.77	\$ 4,673.90	\$ 4,814.12	\$ 4,958.54	\$ 5,107.30	\$ 5,260.52
<i>Office Equip</i>	\$ 2,000.00	\$ 2,060.00	\$ 2,121.80	\$ 2,185.45	\$ 2,251.02	\$ 2,318.55	\$ 2,388.10	\$ 2,459.75	\$ 2,533.54	\$ 2,609.55	\$ 2,687.83	\$								

Table N-8  
Plant Personnel Expenses (Salaries and Benefits)

Position Description	# of Employees	Average Starting Salary	Benefit Adjustment Factor	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
Plant Manager	1	\$ 90,000.00	40%	\$ 126,000.00	\$ 129,780.00	\$ 133,673.40	\$ 137,683.60	\$ 141,814.11	\$ 146,068.53	\$ 150,450.59	\$ 154,964.11	\$ 159,613.03	\$ 164,401.42	\$ 169,333.46	\$ 174,413.47	\$ 179,645.87	\$ 185,035.26	\$ 190,586.31	\$ 196,303.89	\$ 202,193.01	\$ 208,258.80	\$ 214,505.67	\$ 220,941.76
Operators	1	\$ 40,000.00	40%	\$ 224,000.00	\$ 230,720.00	\$ 237,641.60	\$ 244,770.88	\$ 252,113.07	\$ 259,677.30	\$ 267,467.71	\$ 275,491.75	\$ 283,756.50	\$ 292,269.10	\$ 301,037.27	\$ 310,068.80	\$ 319,370.44	\$ 328,951.66	\$ 338,820.10	\$ 348,984.70	\$ 359,454.24	\$ 370,237.87	\$ 381,345.01	\$ 392,785.58
Maintenance Technicians	1	\$ 55,000.00	40%	\$ 77,000.00	\$ 79,310.00	\$ 81,689.30	\$ 84,139.95	\$ 86,664.18	\$ 89,264.10	\$ 91,942.03	\$ 94,700.20	\$ 97,541.30	\$ 100,467.54	\$ 103,481.95	\$ 106,586.01	\$ 109,783.99	\$ 113,077.10	\$ 116,469.41	\$ 119,965.49	\$ 123,569.40	\$ 127,286.77	\$ 131,122.36	\$ 135,091.97
Accounting	0.25	\$ 50,000.00	40%	\$ 17,500.00	\$ 18,025.00	\$ 18,565.75	\$ 19,122.72	\$ 19,696.40	\$ 20,287.30	\$ 20,895.92	\$ 21,522.70	\$ 22,168.49	\$ 22,833.53	\$ 23,518.54	\$ 24,224.00	\$ 24,950.92	\$ 25,699.34	\$ 26,470.32	\$ 27,264.43	\$ 28,082.36	\$ 28,924.83	\$ 29,792.59	\$ 30,686.36
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>				\$ 444,500.00	\$ 457,635.00	\$ 471,670.05	\$ 485,717.15	\$ 500,288.67	\$ 515,297.33	\$ 530,756.25	\$ 546,678.93	\$ 563,079.30	\$ 579,971.68	\$ 597,370.83	\$ 615,291.86	\$ 633,750.71	\$ 652,763.24	\$ 672,346.13	\$ 692,516.52	\$ 713,292.01	\$ 734,690.77	\$ 756,731.50	\$ 779,433.44
Annual Inflation Factor		3%																					

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**Table N-9**  
**Chemical Consumption and Cost**

<b>Treatment Chemical</b>	<b>Dosage(Per Day)</b>	<b>Units</b>	<b>First Year Price (\$/Unit)</b>	<b>Daily Cost</b>	<b>First Year Annual Cost</b>
Polymer	200	lbs (or gal)	\$ 25.00	\$ 5,000.00	\$ 1,825,000.00
Treated Water Sodium Hypochlorite (12% Solution)	80	lbs (or gal)	\$ 8.00	\$ 640.00	\$ 233,600.00
Treated Water Lime	0	lbs	\$ 0.04	\$ -	\$ -
Treated Water CO <sub>2</sub> <sup>3</sup>	0	lbs	\$ 0.02	\$ -	\$ -
<b>Total Chemical Cost</b>					<b>\$ 233,600.00</b>

**Table N-10  
Electrical Consumption**

<b>Process Component</b>	<b>Operating KW</b>	<b>Hours Per Day</b>	<b>Annual KWH</b>
Intake Structure Pumps 3,500 gpm	471.6	24	4,131,216
24" Pipeline Pumps Ft. Sumner to Placitas	2074.9	24	18,176,124
18" Pipeline Pumps Placitas - Rio Rancho	0	24	0
18" Pipeline Rio Rancho to Plant	471.6	24	4,131,216
Finished Water Pump Station	175	24	1,533,000
Other Misc. Processes and Equipment	40	24	350,400
<b>Electricity Consumed</b>			<b>28,321,956</b>
Equivalent MW			3.23