Table 3 Assumptions Used in the 20MGY Plant Model

		20 MGY Plant
Conversion Rate for Whole Beets (gal/ton)		26.50
Conversion Rate for Beet Molasses (gal/ton)		77.89
Average Sugar Beets Requirement (tons/yr)		431,266.85
Average Beet Molasses Requirement (tons/yr)		97,818.05
Electricity Requirement (Million kWh/yr)		12.00
Thermal Energy Requirement		
Stillage Powder (Million BTU/yr)		450,000.00
Natural Gas (Million BTU/yr)		150,000.00
Local Ethanol Transportation Cost ($/gal)	$	0.02
Base Prices for		
Beet Molasses ($/ton)	$	120.00
Whole Beets ($/ton)	$	42.00
Ethanol ($/gal)	$	1.84
Electricity ($/kWh)	$	0.06
Natural Gas ($/Million BTU)	$	7.35
Co-products		
Yeast ($/ton)	$	500.00
Fertilizer ($/ton)	$	79.40
Beet Pulp ($/ton)	$	73.18
Engineering and Construction Cost	$	32,665,280.00
Development and Start-up Cost	$	9,828,860.00
Total Capital Cost	$	42,494,140.00
Equity Capital 50%	$	21,247,070.00

Table 4 Assumptions Used in the 10MGY Plant Model*

		10 MGY Plant
Average Sugar Beets Requirement (tons/yr)		215,633.42
Average Beet Molasses Requirement (tons/yr)		47,686.30
Electricity Requirement (Million kWh/yr)		6.00
Thermal Energy Requirement		
Stillage Powder (Million BTU/yr)		225,000.00
Natural Gas (Million BTU/yr)		75,000.00
Engineering and Construction Cost	$	26,834,553.00
Development and Start-up Cost	$	6,566,652.00
Total Capital Cost	$	33,401,205.00
Equity Capital 50%	$	16,700,603.00

*The rest of the assumptions are the same as the assumptions in the 20MGY plant.

Table 5 The 20MGY Plant Model Results*

	$/Year	$/Gallon	% of Total Revenue	% of Total Cost
Sale Revenue				
Ethanol	33,742,325	1.77	75.69%	
Yeast	6,324,883	0.33	14.19%	
Fertilizer	951,529	0.05	2.13%	
Feed	1,740,056	0.09	3.90%	
Producer Tax Credit	1,818,182	0.10	4.08%	
Total Sale Revenue	44,576,975	2.34	100.00%	
Production Costs				
Feedstock Costs	27,551,310	1.45		79.50%
Other Input Costs	4,901,701	0.26		14.14%
Administrative and Operating Costs	2,203,285	0.12		6.36%
Total Production Costs	34,656,296	1.82		100.00%
Interest, Income Tax, Depreciation and Amortization	2,578,826	0.14		
Net Profit	7,341,853	0.39		

Table 6 The 10MGY Plant Model Results*

	$/Year	$/Gallon	% of Total Revenue	% of Total Cost
Sale Revenue				
Ethanol	16,871,162	1.77	78.73%	
Yeast	3,162,442	0.33	14.76%	
Fertilizer	641,904	0.07	3.00%	
Feed	752,469	0.08	3.51%	
Producer Tax Credit	0	0.00	0.00%	
Total Sale Revenue	21,427,977	2.25	100.00%	
Production Costs				
Feedstock Costs	13,642,267	1.43		74.62%
Other Input Costs	2,708,948	0.28		14.82%
Administrative and Operating Costs	1,930,559	0.20		10.56%
Total Production Costs	18,281,774	1.92		100.00%
Interest, Income Tax, Depreciation and Amortization	2,183,686	0.23		
Net Profit	962,518	0.10		

*Results are based on the 11-year average.