Factor Analysis

Communalities

	Initial	Extraction
Industrial land (acres)	1.000	.441
fabricated metals (acres)	1.000	.870
trucking and wholesale trade (acres)	1.000	.893
retail trade (acres)	1.000	.964
restaurants and hotels (acres)	1.000	.953

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.780	55.601	55.601	2.780	55.601	55.601
2	1.341	26.823	82.424	1.341	26.823	82.424
3	.729	14.578	97.002			
4	.087	1.736	98.739			
5	.063	1.261	100.000			

Total Variance Explained

Component	Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %
1	2.144	42.876	42.876
2	1.977	39.548	82.424
3			
4			
5			

Extraction Method: Principal Component Analysis.

Component Matrix [a]

	Component	
	1	2
Industrial land (acres)	.533	.395
fabricated metals (acres)	.761	.539
trucking and wholesale trade (acres)	.873	.363
retail trade (acres)	.775	-.603
restaurants and hotels (acres)	.744	-.632

Extraction Method: Principal Component Analysis.

a. 2 components extracted.

Rotated Component Matrix [a]

	Component	
	1	2
Industrial land (acres)	.661	.059
fabricated metals (acres)	.927	.104
trucking and wholesale trade (acres)	.893	.309
retail trade (acres)	.178	.966
restaurants and hotels (acres)	.135	.967

Extraction Method: Principal Component Analysis.
 Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 3 iterations.

Component Transformation Matrix

Component	1	2
1	.747	.665
2	.665	-.747

Extraction Method: Principal Component Analysis.
 Rotation Method: Varimax with Kaiser Normalization.

Regression

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	REGR factor score 2 for analysis 1, REGR factor score 1 for analysis 1[b]	.	Enter

a. Dependent Variable: waste_tons

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.862[a]	.743	.729	188224.561

a. Predictors: (Constant), REGR factor score 2 for analysis 1, REGR factor score 1 for analysis 1

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.784E+12	2	1.892E+12	53.409	.000[b]
	Residual	1.311E+12	37	3.543E+10		
	Total	5.095E+12	39			

a. Dependent Variable: waste_tons

b. Predictors: (Constant), REGR factor score 2 for analysis 1, REGR factor score 1 for analysis 1

Coefficients[a]

		Unstandardized Coefficients		Standardized Coefficients	
Model		B	Std. Error	Beta	t
1	(Constant)	380140.000	29760.916		12.773
	REGR factor score 1 for analysis 1	142578.685	30140.051	.394	4.731
	REGR factor score 2 for analysis 1	276962.021	30140.051	.766	9.189

Coefficients[a]

			Collinearity Statistics	
Model		Sig.	Tolerance	VIF
1	(Constant)	.000		
	REGR factor score 1 for analysis 1	.000	1.000	1.000
	REGR factor score 2 for analysis 1	.000	1.000	1.000

a. Dependent Variable: waste_tons

Collinearity Diagnostics[a]

				Variance Proportions		
Model	Dimension	Eigenvalue	Condition Index	(Constant)	REGR factor score 1 for analysis 1	REGR factor score 2 for analysis 1
1	1	1.000	1.000	.00	1.00	.00
	2	1.000	1.000	1.00	.00	.00
	3	1.000	1.000	.00	.00	1.00

a. Dependent Variable: waste_tons