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The Application of a Screening Matrix for Industrial Development to Omaha, Nebraska

Michael Eskey University of Nebraska at Omaha

Vincent J. Webb University of Nebraska at Omaha

Peter Young University of Nebraska at Omaha

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THE APPLICATION OF A SCREENING MATRIX FOR INDUSTRIAL DEVELOPMENT TO OMAHA, NEBRASKA

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A report prepared for the Market Strategy Committee of the Economic Development Council

> By Michael Eskey Vincent Webb Peter Young

October, 1981

The University of Nebraska-An Equal Opportunity/Affirmative Action Educational Institution

The following is a summary of alternative attempts made to identify manufacturing industries which have the greatest potential for industrial development in the Omaha area. The methods utilized were similar to that used in the first report submitted to the Market Strategy Committee of the Economic Development Committee.¹ Some major revisions were made on the previous report to produce comparative matrices utilizing additional criterion variables and differing levels of weighted importance placed on selected criterion variables.

Data sources used in the development of the screening matrices are found in Appendix A. Each of the 107 manufacturing industries were then ranked by different schemes according to their potential for location in the region. Potential was determined by the analysis of the criterion variables utilized as they related to each of the separate industries. The following categories represent the criteria by which each industry was scored and ranked:

Growth Projections	Transportation Requirements
Labor and Capital	External Linkages
Wage Levels	Existing Industries
Markets Served	Transportation Modes Utilized
Natural Gas Requirements	Water Requirements
Electrical Pequirements	Percentage Increase in Establishments ²
Webb, V., et al. The Applica Industrial Development to Omal	tion of a Screening Matrix for ha, Nebraska. University of

Nebraska at Omaha, October, 1981.

²In the earlier effort (Webb et.al.) 9 criteria were used to rank the industries. The present effort uses 12 criteria. The three additional criteria are Transportation Modes Utilized, Water Requirements, Percentage Increase in Establishments. A description of the above criterion variables are presented in Appendix B.

The first scheme of rank-ordering used in assessing the potential of industries for locating in this region was a rank-ordering of each industry by each of the separate criterion variables in an ascending order, from one to 107. The lower numbers represent the more favorable ranking. Each of the separate rankings was then added to produce an overall ranking. Theoretically, the lowest possible score is twelve, denoting an industry that ranked first in each of the twelve criterion variables. Table 1 presents a summary.

Printing, machinery industries (electrical and nonelectrical), and metal-working industries had some of the lowest rank-ordered scores. Half of the top 20 industries were in this grouping (see Table 1). Conversely, food processing, apparel, and miscellaneous manufacturing industries made up more than half of the industries with the highest rank-ordered scores.

The rank-ordering in Table 1 assumes that each of the criterion variables is of equal importance in industrial location decision. However, to identify those industries that have the greatest potential for location in this region, the assumption should be made that differences occur in the value that should be placed on each of the criterion variables. That is, some variables are more important to some industries than others. Decisions on the weight assigned to an industry for each variable were determined by the relative place in which they were rank-ordered. For example, those in the upper quartile were normally rated "high", those in the middle two quartiles were rated as "medium". and those in the lower quartile were rated as "low."

Each of the weighting schemes utilized placed differing levels of importance (and subsequent different weighted scores) on certain selected criterion variables.

- The first weighting scheme placed a stronger emphasis on projected growth, existing industries, growth in the number of establishments in the last ten years, and wage levels.
- 2. The second weighting scheme also emphasized growth in the number of establishments. In addition, more importance was placed on external linkages, transportation output requirements, and the geographic location of markets served.
- 3. The third weighting scheme placed primary emphasis on the increase (or decrease) in the number of establishments in the last ten years. The other criterion variables were weighted somewhat more evenly, although slightly more emphasis was placed on projected growth, wage levels, energy requirements, and external linkages.

Table 2 presents the computed weighted scores, rankordering of the weighted scores of the industry, and the mean weighted score of each of the industries for each of the separate weighting schemes. It is of interest to note that very few changes in the rank-order of the industries resulted with the addition of more criterion variables. The first weighting scheme retained the same rankordering with twelve criterion variables that it had when nine variables were used. In the second weighting scheme the restructured 'weights' dropped miscellaneous petroleum and coal product industries, and rubber-related industries from the second weighting scheme. The additional emphasis on growth in the number of establishments and more uniform emphasis on the rest of the criterion variables dropped the balance of the rubber-related industries from the top twenty and added special industrial machinery, and bicycle and motorcycle parts industries in their place.

The tables (3, 4, 5) which report the separate weighted scores given to each industry for each criterion variable are found in Appendix C.

TABLE 1

RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

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Criteria SIC Code Industry Title	Growth Projections	Markets Served	Wa Lev Hours Per Week	ge rels Wages Per Week	Labor Intensive vs. Capital Intensive	Transportation Output Requirements	Electrical Energy Output Requirements	Natural Gas Energy Output Requirements	External Linkages	Existing Industries	
201											مى بىلىتى بالىتىتى بىرىنىيە
Meat Products 202	96	71	72.5	60	25	12	92	35	1	10	
Dairy Products 204	105	106	12	50	29	12	92	35	103.5	18	
Grain Mill Products 205	100	19.5	4	25	20	12	92	35	2	3	ea.
Bakery Products 206	106	84	81	55	32	12	92	35	103.5	50.5	
Sugar & Confectionary Products 208	102	68	65.5	69	46	12	92	35	103.5	34	
Beverages 209	91	97	31	22	5	12	92	35	103.5	58.5	
Misc. Food Preparations & Kindred Products 231	99	93	93.5	88	36	12	92 、	35	103.5	29.5	
Men's, Youth's, & Boys' Suits, Coats, & Overcoats 232	15	18	103	97	102	66.5	67.5	70.5	59	104	
Men's, Youth's, & Boys' Furnishing, Work Clothing & Allied Garments 233	15	30	99	104	66	66.5	67.5	70.5	59	54.5	
Women's, Misses, & Juniors Outerwear 234	15	39	107	105	68	66,5	67.5	70.5	59	79	· .
Women's, Misses, & Children's & Infants' Undergarments 235	15	30	103	107	98	66.5	67.5	70.5	59	97	
Hats, Caps, & Millinery 236	15	33	105	102	106	66.5	67.5	70.5	59	88	
Girls', Children's, & Infants' Outerwear 238	15	30	103	106	105	66.5	67.5	70.5	59	102	
Misc. Apparel & Accessories 239	15	22	101	103	100.5	66.5	67.5	70.5	59	79	. •
Misc. Fabricated Textile Products 243 Millwork, Veneer, Plywood, &	32	40	93.5	95	64	66.5	67.5	70.5	59	19	
Structured Wood Members 244	9	79	84	72	33	98.5	80.5	85.5	59	16	
Wood Containers 245	55	90	96	99	83.5	98.5	80.5	85.5	59	28	
Wood Buildings & Mobile Homes	40	72.5	99	89	75	89.5	80.5	85.5	59	23	

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TABLE 1

CriteriaSIC Code		When Output	Percent Growth in	-
Industry Title	Transportation Modes Utilized	Water Output Requirements	Number of Establishments	Total Ranked Scores
201				
Meat Products	31.5	74.5	12.5	593
202	04.5			-00
Dairy Products 204	31.5	74.5	93.5	762
Grain Mill Products	31.5	74.5	53	471,5
205	_			
Bakery Products	31.5	74.5	10.5	767.5
206 Sugar & Confectionary Products	31.5	74.5	53	786
208	51.5	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		700
Beverages	31.5	74.5	96	749
209				
Misc. Food Preparations & Kindred Products	31.5	74.5	103	890.5
231	51.5	/4.5	105	030.0
Men's, Youth's, & Boys' Suits,				
Coats, & Overcoats	63	14.5	53	833
232		1		
Men's, Youth's, & Boys' Furnishing, Work Clothing & Allied Garments	63	14.5	53	762.5
233		1.0		,02.0
Women's, Misses, & Juniors	1	•		
Outerwear	63	14.5	53	729.5
234 Women's, Misses, & Children's &	}	}		
Infants Undergarments	63	14.5	53	844
235		1		_
Hats, Caps, & Millinery	63	14.5	53	843
Girls', Children's, & Infants' Outerwear	63	14.5	53	855
238 '				000
Misc. Apparel & Accessories	63	14.5	53	814.5
239 Misc. Fabricated Textile Products	93.5	74.5	7	782
243	93.5	/4.5	· · ·	702
Millwork, Veneer, Plywood, &				
Structured Wood Members	63	74.5	53	807
244		745		
Wood Containers	63	74.5	53	967.5
245 Wood Buildings & Mobile Homes	93.5	74,5	53	939

RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

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Criteria SIC Code Industry Title	Growth Projections	Markets Served	Wa Lev Hours Per Week		Labor Intensive vs. Capital Intensive	Transportation Output Requirements	Electrical Energy Output Requirements	Natural Gas Energy Output Requirements	External Linkages	Existing Industries	
249										[an Brits and
Misc. Wood Products	11	49	56.5	91	55	98.5	80.5	85.5	59	38.5	
251 Household Fixtures	24	105	92	96	47	105	105	105	59	31	and the second
252 Office Furniture 253	44	46	70.5	83	76	105	105	105	59	69	
Public Buildings & Related Furniture 254	44	32	72.5	84	97	105	105	105	59	64.5	
Partitions, Shelving, Lockers, &]	
Office & Store Fixtures 259	31	47	81	67	7 9	105	105	105	59	47	2.
Misc. Furniture & Fixtures 264	44	8	86	81	96	105	105	105	59	72	
Converted Paper & Paperboard Products, Except Containers & Boxes	47	88	39.5	54	21	101.5	101.5	101.5	103.5	35	
265 Paperboard Containers & Boxes 271	69	98	23	49	27	101.5	101.5	101.5	103.5	52.5	
Newspapers 271	71	54	106	66	19	34	29	55	29	4	
Periodicals: Publishing, Publishing & Printing	77.5	54	97	63	77	34	29	55	29	40	
273 Books 274	93	54	87	65	54	34	29	55	29	24	1
Misc. Publishing 275	77.5	54	99	80	87	34	29	55	29	43.5	•
Commercial Printing 276	62	54	88 .5	38	10	34	29	55	29	1	
Manifold Business Forms	53	54	39.5	40	69	34	29	55	29	57	$\sim A_{\rm even}$
277 Greeting Card Publishing 278	70	54	95	59	103	34	29	55	29	86.5	a ya afi a a
Blank Books, Looseleaf Binders, & Bookbinding & Related Work 279	79	54	74.5	86	85	34	29	55	29	22	
Service Industries for the Printing Trade 282	59	54	90.5	14	74	34	29 .	55	29	21	
Plastics Materials & Synthetic Resins, Synthetic Rubber, Synthetic & Other Man-made Fibers, Except Glass	6	37	17	20.5	2	19.5	36.5	41.5	91	97	
283 Drugs	10	69	17	20.5	15	19.5	36.5	41.5	88	38.5	

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		Mana Outrus	Percent Growth in	Total
SIC Code Industry Title	Transportation Modes Utilized	Water Output Requirements	Number of Establishments	Total Ranked Scores
249				~
Misc. Wood Products 251	63	74.5	53	815
Household Fixtures	93.5	74.5	93.5	1,030.5
252 Office Furniture	93.5	74.5	53	983.5
253 Public Buildings & Related Furniture	93.5 [°]	74.5	53	989.5
254 Partitions, Shelving, Lockers, &				
Office & Store Fixtures	93.5	74.5	105	999
259 Misc. Furniture & Fixtures	93.5	74.5	53	982
264 Converted Paper & Paperboard Products, Except Containers & Boxes	10	5	100	807.5
265 Paperboard Containers & Boxes	63	74.5	. 53	917
271	10	20.5	100	568.5
Newspapers 272		20.0	100	
Periodicals: Publishing, Publishing & Printing	10	20.5	53	639
273 Books	10	20.5	53	607.5
274 Misc. Publishing	10	20.5	53	659.5
275			105	470 5
Commercial Printing 276	31.5	28	12.5	472.5
Manifold Business Forms	31.5	28	53	572
277 Greeting Card Publishing	3.15	28	53	727
278 Blank Books, Looseleaf Binders, & Bookbinding & Related Work	3.15	28	53	660
279 Service Industries for the Printing			100	619
Trade 282	31.5	· 28	100	פוס
Plastics Materials & Synthetic Resins,				
Synthetic Rubber, Synthetic & Other Man-made Fibers, Except Glass	93.5	74.5	53	589
283 Drugs	93.5	74.5	53	576.5

RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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Criteria			Wa Lev		Labor Intensive		Electrical	Natural Gas			
SIC Code Industry Title	Growth Projections	Markets Served	Hours Per Week	Wages Per Week	vs. Capital Intensive	Transportation Output Requirements	Energy Output Requirements	Energy Output Requirements	External Linkages	Existing Industrie	
284 Soap, Detergents, & Cleaning											
Preparations, Perfumes, Cosmetics, & Other Toilet Preparations 285	37	65	17	34	28	19.5	36.5	41.5	88	26	
Paints, Varnishes, Lacquers, Enamels & Allied Products	82	85	17	41	59	19.5	36.5	41.5	88	60	
287 Agricultural Chemicals 289	89	82 .5	17	17	11	19.5	36.5	41.5	88	7	
Misc. Chemical Products 295	52	86	17	32	45	19.5	36.5	41.5	88	42.5	, :
Paving & Roofing Materials 299	87.5	102	2.5	23.5	65	55.5	62.5	94.5	29	56	
Misc. Products of Petroleum & Coal 301	87.5	74	2.5	23.5	82	55.5	62.3	94.5	29	79	
Tires & Inner Tubes 302	66	34	46	6	43	59.5	51.5	47.5	29	92	
Rubber & Plastics Footwear 303	83.5	36	10	100	104	59.5	51.5	47.5	29	106	
Reclaimed Rubber 304	83.5	41.5	17	46.8	107	59.5	51.5	47.5	29	106	
Rubber & Plastic Hose & Belting 306	48	41.5	17	46.5	83.5	59.5	51.6	47.5	29	97	
Fabricated Rubber Products, Not Elsewhere Classified 307	63	43	61	73	61	59.5	51.5	47.5	29	64.5	
Misc. Plastics Products 311	3	59	50.5	78	3	59.5	51.5	47.5	29	9	-
Leather Tanning & Finishing 322	107	80	63.5	74.5	67	16	10	10	29	88	
Glass & Glassware, Pressed or Blown 323	81	101	42	29	31	26	58	63	29	103	· · · · ·
Glass Products, Made of Purchased Glass 324	86	70	58.5	68	73	26	58	63	29	74	
Cement, Hydraulic 325	72	107	6	1	41	26	58	63	29	88	
Structural Clay Products 326	98	103	53.5	76	72	26	58	63	29	69	$u_{2} \rightarrow \frac{\lambda_{2}}{\lambda_{1}}$
Pottery & Related Products 327	103	24	74.5	77	92	26	58	63	29	69	المناس ، ۳۰۰. مار با
Concrete, Gypsum, & Plaster Products 329	74	91	42	37	9	26	58	63	29	2	
Abrasive, Asbestos, & Misc. Nonmetalic Mineral Products	90	82.5	27	35	26	26	58	63	29	61	14. V. Ja

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Criteria SIC Code Industry Title	Transportation Modes Utilized	Water Output Requirements	Percent Growth in Number of Establishments	Total Ranked Scores
		Tiedali ementa		
284				
Soap, Detergents, & Cleaning				
Preparations, Perfumes, Cosmetics, & Other Toilet Preparations	31.5	41	100	565
285	51.5	4 i	100	505
Paints, Varnishes, Lacquers,				
Enamels & Allied Products	31.5	3	53	617
287		-		
Agricultural Chemicals	63	74.5	105	656.5
289				
Misc. Chemical Products	10	1	53	524
295				
Paving & Roofing Materials	10	3	53	644
299	10			050
Misc. Products of Petroleum & Coal	10	3	53	656
301	10	8	53	545.5
Tires & Inner Tubes 302	10	8	55	545.5
Rubber & Plastics Footwear	10	8	53	698
03	10	5	00	
Reclaimed Rubber	10	8	53	660
304		-	-	
Rubber & Plastic Hose & Belting	10	8	53	592
306				
Fabricated Rubber Products,				
Not Elsewhere Classified	10	8	53	624
807				
Misc. Plastics Products	63	74.5	5	532.5
311		9- 5		070
Leather Tanning & Finishing	31.5	35.5	53	670
22 Cluss & Classics Destand as Blaue	63	35.5	53	777.5
Glass & Glassware, Pressed or Blown		35.0		111.5
Glass Products, Made of Purchased				
Glass	63	35.5	53	757
324		00.0	-	
Cement, Hydraulic	93.5	74.5	53	712
25				
Structural Clay Products	93.5	74.5	53	868.5
26				
Pottery & Related Products	10	35.5	53	714
327				
Concrete, Gypsum, & Plaster Products	93.5	74.5	10.5	609,5
329			1 1	
Abrasive, Asbestos, & Misc.				
Nonmetalic Mineral Products	10	74.5	53	635

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

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Criteria SIC Code Industry Title	Growth Projections	Markets Served	Wa Lev Hours Per Week		Labor Intensive vs. Capital Intensive	Transportation Output Requirements	Electrical Energy Output Requirements	Natural Gas Energy Output Requirements	External Linkages	Existing Industries	
332											
Iron & Steel Foundries	33	96	50.5	26	12	94	98	98	9.5	54.5	
334 Secondary Smelting & Refining of Nonferrous Metals 335	54	15	8	2	70	94	98	98	9.5	92	
Rolling, Drawing & Excluding of Nonferrous Metals 336	49	63	9	11	22	94	98	98	9.5	74	and the second
Nonferrous Foundries	85	99	53.5	44	53	94	98	98	9.5	32	
339 Misc. Primary Metal Products	61	95	34	15	80	94	98	98	9.5	97	
341 Metal Cans & Shipping Containers 342	94	100	1	3	51	81	44	79	9.5	84.5	·
Cutlery, Hand Tools, & General Hardware 343	65	21	68	57	44	81	44	79	9.5	25	1 A 1
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures	80	13	68	64	81	81	44	79	9.5	41	$\phi = \phi$
344 Fabricated Structural Metal Products 345	28	92	46	43	16	81	44	79	9.5	5	.e.
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers 346	95	87	34	52	52	81	44	79	9.5	48	
Metal Forgings & Stampings	75	67	42	19	14	81	44	79	9.5	27	
347 Coating, Engraving, & Allied Services 348	67	72.5	37	47.5	48	81	44	79	9.5	43.5	
Ordinance & Accessories Except Vehicles & Guided Missiles 349	68	81	27	36	78	81	44	79	9.5	86.5	
Misc. Fabricated Metal Products	50	104	46	51	23	81	44	79	9.5	8	
351 Engines & Turbines 352	101	14	61	8	34	43	5	5	80.5	76	11.45 A
Farm & Garden Machinery & Equipment 353	57	42	34	10	38	43	5	5	85	6	
Construction, Mining, & Materials Handling Machinery & Equipment 354	27	17	37	16	7	43	5	5	80.5	12.5	
Metalworking Machinery & Equipment	22	94	5	18	24	43	5	5	80.5	14	

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Criteria			Percent Growth in	
SIC Code Industry Title	Transportation Modes Utilized	Water Output Requirements	Number of Establishments	Total Ranked Scores
332				
Iron & Steel Foundries 334	63	74.5	3	712
Secondary Smelting & Refining of Nonferrous Metals 335	63	74.5	53	731
Rolling, Drawing & Extruding of Nonferrous Metals	63	74.5	53	718
336 Nonferrous Foundries 339	93.5	74.5	53	887
Misc. Primary Metal Products 341	63	74.5	53	872
Metal Cans & Shipping Containers 342	93.5	74.5	53	768
Cutlery, Hand Tools, & General Hardware 343	31.5	74.5	53	652.5
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures 344	93.5	74.5	53	781.5
Fabricated Structural Metal Products 345	93.5	74.5	97	708.5
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers	63	74.5	3	722
346 Metal Forgings & Stampings 347	63	74.5	53	648
Coating, Engraving, & Allied Services 348	31.5	74.5	53	715
Ordinance & Accessories Except Vehicles & Guided Missiles	93.5	74.5	53	811
349 Misc, Fabricated Metal Products 351	31.5	74.5	3	604.5
Engines & Turbines 352	45	74.5	53	600
Farm & Garden Machinery & Equipment 353	93.5	74.5	95	588
Construction, Mining, & Materials Handling Machinery & Equipment 354	63	74.5	53	440.5
Metalworking Machinery & Equipment	63	74.5	53	501

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

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Criteria SIC Code Industry Title	Growth Projections	Markets Served	Wa Lev Hours Per Week	ge rels Wages Per Week	Labor Intensive vs. Capital Intensive	Transportation Output Requirements	Electrical Energy Output Requirements	Natural Gas Energy Output Requirements	External Linkages	Existing Industries	
355						· · · · · · · · · · · · · · · · · · ·			f		
Special Industrial Machinery,										ĺ	
Except Metalworking Machinery	64	45	22	33	39	43	5	5	80.5	20	
356 General Industrial Machinery &											
Equipment	21	64	31	27	17	43	5	5	80.5	12.5	
357				-,				5	00,5	12.5	
Office Computing & Accounting						1				}	
Machines	23	5	17	56	4	43	5	5	80.5	74	1 (a)
358 Refrigeration & Service Industry											
Machinery	41	25	56.5	45	37	43	6	E	00 E	36	
359		25	0.5	40	37	43	5	5	80.5	30	
Misc. Machinery, Except Electrical	35	61	31	30	18	43	5	5	80.5	11	
361			1				_			1	
Electrical Transmission &											
Distribution Equipment	19	23	58.5	58	63	4.5	14.5	27.5	95.5	67	
Electrical Industrial Apparatus	38	26	46	48	35	4.5	14.5	27.5	95.5	49	
363		200		40		5	14.5	27.5	95.5	49	
Household Appliances	42	12	76	61	49	4.5	14.5	27.5	95.5	69	
364											
Electrical Lighting & Wiring											
Equipment 365	29	38	63.5	70	50	4.5	14.5	27.5	95.5	58.5	
Radio & Television Receiving					1	l				t	,
Equipment, Except					1]]]	
Communication Types	8	17	78	71	58	4.5	14.5	27.5	95.5	79	
366		_)		}					:	· .
Communication Equipment 367	20	3	37	28	8	4.5	14.5	27.5	95.5	52.5	
Electrical Components & Accessories	1	44	61	79	6	4.5	14.5	27.5	95.5	43.5	ere Marte
369				73			17.0	27.5	30.0	40.0	
Misc. Electrical Machinery											
Equipment & Supplies	30	75	53.5	31	30	4.5	14.5	27.5	95.5	66	
371 Manaz Vahirlas & Mator			1						ľ		4.43
Motor Vehicles & Motor Vehicle Equipment	36	62	53.5	5	1	73.5	21.5	20.5	59	15	
372	00	02		5	•	/5.5	21.5	20.5	59	. 15	
Aircraft & Parts	58	1	7	4	13	73.5	21.5	20,5	59	92	
374]	}	
Railroad Equipment	104	78	70.5	7	71	73.5	21.5	20.5	59	84.5	
375 Motorcycles, Bicycles & Parts	7	16	49	10	100 5	73 6	21 5	20.5	50	00	المجلم المراجع مع المراجع . المجلم المواجع المراجع
MUTOLOLOGICS, DICYCLES & FALTS			49	12	100.5	73.5	21.5	20.5	59	92	

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1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -

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Criteria	Transportation	Water Output	Percent Growth in Number of	Total
Industry Title	Modes Utilized	Requirements	Establishments	Ranked Scores
355				
Special Industrial Machinery,				
Except Metalworking Machinery	93.5	74.5	53	577.5
356				
General Industrial Machinery &		-4-5		
Equipment 357	63	74.5	53	496.5
Office Computing, & Accounting				
Machines	93.5	74.5	53	533.5
358	93.5	74.5	55	533.5
Refrigeration & Service Industry				
Machinery	63	74.5	53	564.5
359		·		
Misc. Machinery, Except Electrical	10	25	7	361.5
361				
Electrical Transmission &				
Distribution Equipment	63	74.5	53	622
Electrical Industrial Apparatus 363	63	74.5	53	574.5
Household Appliances	93.5	74.5	53	672
364	93.0	74.5	55	072
Electrical Lighting & Wiring				
Equipment	10	24	53	538
365		_ ·		
Radio & Television Receiving			1	
Equipment, Except				
Communication Types	93.5	74.5	53	668
366				
Communication Equipment	93.5	74.5	53	511.5
367 Electrical Components & Accessories	45	74.5	105	601
369	45	74.5	CUD	
Misc. Electrical Machinery				
Equipment & Supplies	10	18	7	462.5
371	-)
Motor Vehicles & Motor				
Vehicle Equipment	10	23	9	389
372				
Aircraft & Parts	63	74.5	53	540
374				
Railroad Equipment	63	74.5	53	780
375 Matagardan Bigualan & Busta	62	74 5		
Motorcycles, Bicycles & Parts	63	74.5	53	641.5

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

				P7							
Criteria SIC Code Industry Title	Growth Projections	Markets Served	Wa Lev Hours Per Week	 ge	Labor Intensive vs. Capital Intensive	Transportation Output Requirements	Electrical Energy Output Requirements	Naturai Gas Energy Output Requirements	External Linkages	Existing Industries	
376					[• •
Guided Missiles & Space			1		ſ	1		}	1	1	
Vehicles & Parts	51	35	27	9	60	73.5	21.5	20.5	59	106	* -
379]	
Misc. Transportation Equipment	2	66	81	62	90	73.5	21.5	20.5	103.5	33	
381			[
Engineering, Laboratory, Scientific,			1								
& Research Instruments & Associated	46	19.5	11	42	88	51	75	14	59	63	
Equipment 382	40	19.2		42	68	5,	/5	14	59	03	
Measuring & Controlling Instruments	39	9	24	53	42	51	75	14	59	37	
383		9	24	55	72	1 51	, ,,,	['*	55	1 0,	
Optical Instruments & Lenses	25.5	76	27	39	86	51	75	14	59	100	(-, -)
384	20.0		-								
Surgical, Medical, & Dental											
Instruments & Supplies	4	10	68	85	56	51	75	14	59	50.5	1. T
385					1				}		
Ophthalmic Goods	25.5	28	65.5	93	94	51	75	14	59	79	si e con
386			1		{	{	ł	l	ł	ł	
Photographic Equipment & Supplies	. 5	6	27	13	40	51	75	14	59	97	
387								}			
Watches, Clocks, Clockwork										1 404	
Operated Devices, & Parts	34	89	84	94	93	51	75	14	59	101	
391	63		00 -		05	00 5	DEE	90.5	59	82.5	S Marthal
Jewelry, Silverware & Plated Ware	97	2	88.5	90	95	88.5	85.5	90.5	59	84.5	N
393 Musical Instruments	75	4	78	92	99	88.5	85.5	90.5	59	92	1. A. A. A.
394	75	4	/*	92	99	00.5	00.0	50.0	55	52	
Toys & Amusement, Sporting &		{							1		5 M
Athletic Goods	60	7	84	98	62	88.5	85.5	90.5	59	29.5	8 8 - 1 B
395	00	, , , , , , , , , , , , , , , , , , ,		00							17.5
Pens & Pencils, & Other Office &											
Artists Materials	56	77	46	87	89	88.5	85.5	90.5	59	62	5 S
396					1				1	1	- ² al
Costume Jewelry, Costume Novelties,							1	1	Ì	ſ	1997 - Sec. 2
Buttons, & Misc. Notions, Except		Ļ	ļ			}	l				1- 1-
Previous Metals	92	60	95.0	101	91	88.5	85.5	90.5	59	82.5	
399					i					-	a ta bar (All) A ta car a ta bar All
Misc. Manufacturing Industries	73	27	78	82	57	88.5	85.5	90.5	59	17	
		1				An					1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 - 1991 -

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Criteria			Percent Growth in	
SIC Code Industry Title	Transportation Modes Utilized	Water Output Requirements	Number of Establishments	Total Ranked Scores
376				
Guided Missiles & Space	[
Vehicles & Parts	93.5	74.5	53	683.5
379	ļ ļ		L	
Misc. Transportation Equipment	93.5	74.5	107	828
381				
Engineering, Laboratory, Scientific,				
& Research Instruments & Associated				
Equipment	63 [74.5	53	659
382	1			
Measuring & Controlling Instruments	63	74.5	53	668.5
383			1	
Optical Instruments & Lenses	93.5	74.5	53	773.5
384 Sumiari Madiari & Danual			(
Surgical, Medical, & Dental	<u> </u>			
Instruments & Supplies 385	93.5	74.5	53	695.5
Ophthalmic Goods				007
386	93.5	74.5	53	805
Photographic Equipment & Supplies		74 5		507 5
387	45	74.5	1	507.5
Watches, Clocks, Clockwork				
Operated Devices, & Parts	63	74.5	53	884,5
391	03	74.5	55	004.3
Jewelry, Silverware & Plated Ware	31.5	35.5	53	898.5
393	51.5	35.5		030.0
Musical Instruments	31.5	35.5	53	883.5
394	01.0	65.6		000.5
Toys & Amusement, Sporting &			}	
Athletic Goods	31.5	35.5	53	784
395				
Pens & Pencils, & Other Office &				
Artists Materials	31.5	35.5	53	825
396	1 1		ļ (
Costume Jewelry, Costume Novelties,	l l		Į į	
Buttons, & Misc. Notions, Except			ļ	
Previous Metals	31.5	3515	53	960.5
399				
Misc, Manufacturing Industries	31.5	35.5	100	824.5

RANK-ORDERED RAW SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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TABLE 2

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Rank-Order of Industries Rank-Order Rank-Order Rank-Order Меал of of of Rank-Order Weighted Scheme 1 Weighted Scheme 2 Weighted Scheme 3 Weighted of Mean of Scores of SIC Code Weighted Scores of Weighted Scores of Weighted Scores of Weighted Schemes Industry Title Scores Scheme 1 Scheme 2 Scores Scores Scheme 3 Scores 1, 2, and 3 201 Meat Products 27 72 35.5 70 32.5 70 34 71 202 **Dairy Products** 103.5 47 103 48 104.5 104 47 46 204 Grain Mill Products 66.5 62 62 63 64 63 64 63 205 **Bakery Products** 86.5 56 99.5 49 98.5 95 52 51 206 Sugar & Confectionary Products 88 91 53 55 91 53 90 54 208 Beverages 49 100.5 105 44 104.5 46 105 46 209 Misc. Food Preparations & Kindred Products 106.5 38 107 37 107 38 107 38 231 Men's, Youth's, & Boys' Suits, Coats, & Overcoats 64 63 41.5 69 38.5 69 50.5 67 232 Men's, Youth's, & Boys' Furnishing, Work Clothing & Allied Garments 35 70 28 73 27.5 72 28.5 72 233 Women's, Misses, & Juniors Outerwear 35 70 28 73 27.5 72 28.5 72 234 Women's, Misses, & Children's & Infants Undergarments 59.5 64 35.5 70 38.5 69 45 68 235 Hats, Caps, & Millinery 59.5 64 35.5 70 38.5 69 45 68 236 Girls', Children's, & Infants' Outerwear 59.5 64 35.5 70 38.5 69 45 68 238 70 38.5 69 39 69 Misc. Apparel & Accessories 46 67 35.5 239 Misc. Fabricated Textile Products 56 46 67 62 63 59 64 65 243 Millwork, Veneer, Plywood, & Structured Wood Members 69 69 27.5 72 36.5 40 41.5 70 244 102.5 Wood Containers 103.5 47 103 48 100.5 49 48

A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

1

Rank-Order of Industries	Rank-Order of		Rank-Order of		Rank-Order of		Rank-Order	Mean Weighted
SIC Code Industry Title	Scheme 1 Weighted Scores	Weighted Scores of Scheme 1	Scheme 2 Weighted Scores	Weighted Scores of Scheme 2	Scheme 3 Weighted Scores	Weighted Scores of Scheme 3	of Mean of Weighted Scores	Scores of Schemes 1, 2, and 3
245								
Wood Buildings & Mobile Homes 249	69.5	61	72	60	64	63	71	61
Misc. Wood Products 251	75	60	62	63	59	64	66.5	62
Household Fixtures 252	106.5	38	106	38	106	40	, 106	39
Office Furniture 253	97	50	95	52	. 94.5	52	97	51
Public Buildings & Related Furniture 254 Partitions, Shelving, Lockers, &	97	50	95	52	94.5	52	97	51
Office & Store Fixtures 259	100.5	49	99.5	49	100.5	49	100	49
Misc. Furniture & Fixtures 264	94.5	52	82.5	58	94.5	52	90	54
Converted Paper & Paperboard Products, Except Containers & Boxes 265	83.5	57	72	60	75	60	79.5	59
Paperboard Containers & Boxes 271	90	54	91	53	88	55	90	54
Newspapers 272	14.5	77	16	78	13	77	15	77
Periodicals: Publishing, Publishing & Printing 273	14.5	77	13.5	79	18	75	15	77
Books 274	8.5	87	9	81	11:5	78	8.5	80
Misc, Publishing 275	_ 14.5	77	21	75	18	75	17.5	76
Commercial Printing 276	2	93	2	88	3.5	89	2	90
Manifold Business Forms 277	22.5	74	24.5	74	27.5	72	23.5	73
Greeting Card Publishing 278	50	66	32	71	38.5	69	39	69
Blank Books, Looseleaf Binders, & Bookbinding & Related Work 279	24.5	73	24.5	74	21.5	84	21	74
Service Industries for the Printing Trade	12	78	9	81	15	76	13	78

A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

TABLE 2

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A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Rank-Order of Industries	Rank-Order of		Rank-Order of		Rank-Order of		Rank-Order	Mean Weighted
SIC Code Industry Title	Scheme 1 Weighted Scores	Weighted Scores of Scheme 1	Scheme 2 Weighted Scores	Weighted Scores of Scheme 2	Scheme 3 Weighted Scores	Weighted Scores of Scheme 3	of Mean of Weighted Scores	Scores of Schemes 1, 2, and 3
282								
Plastics Materials & Synthetic Resins,								
Synthetic Rubber, Synthetic & Other)	~	~~		60	66	¢0	64
Man-made Fibers, Except Glass 283	59.5	64	62	63	53	66	60	64
Drugs	35	70	53	66	38.5	69	45	68
284			•••					
Soap, Detergents, & Cleaning								
Preparations, Perfumes, Cosmetics,	1				~ ~	~~	a a -	~~
& Other Toilet Preparations	59.5	64	72	60	64	63	66.5	62
285 Paints, Varnishes, Lacquers,								
Enamels & Allied Products	75	60	77.5	59	75	60	76	60
287								
Agricultural Chemicals	80.5	58	99.5	49	90	54	90	54
289		•		•				
Misc. Chemical Products	54	65	56.5	65	53	66	56 -	65
295 Paving & Roofing Materials	54	65	46	68	70	61	56	65
299	1 24	00	40	00	70	01	ŲŪ	00
Misc. Products of Petroleum & Coal	30	71	18	76	48.5	67	34	71
301								
Tires & Inner Tubes	[18	76	73	86	21.5	74	11	79
302	0.5	70	10 5	70	=0	~~	<u></u>	
Rubber & Plastics Footwear 303	35	70	13.5	7 9	53	66	28.5	72
Reclaimed Rubber	35	70	13.5	79	53	66	28.5	72
304				75	50	00	20.0	12
Rubber & Plastic Hose & Belting	35	70	13.5	79	53	66	28.5	72
306	ļ							
Fabricated Rubber Products,								
Not Elsewhere Classified	18	76	7	82	38.5	69	17.5	76
307 Misc. Plastics Products	11	80	11	80	10	79	8.5	80
311	}	00		50	10	10	0.0	00
Leather Tanning & Finishing	69.5	61	53	66	53	66	60	64
322	ļ		_					
Glass & Glassware, Pressed or Blown	86.5	59	82.5	58	82.5	58	83	58
323								
Glass Products, Made of Purchased		65	50	84	00 C	50	64	60
Glass	54	65	58	64	80.5	59	64	63

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Rank-Order of Industries	Rank-Order of		Rank-Order of		Rank-Order of		Rank-Order	Mean Weighted
SIC Code Industry Title	Scheme 1 Weighted Scores	Weighted Scores of Scheme 1	Scheme 2 Weighted Scores	Weighted Scores of Scheme 2	Scheme 3 Weighted Scores	Weighted Scores of Scheme 3	of Mean of Weighted Scores	Scores of Schemes 1, 2, and 3
324								
Cement, Hydraulic 325	92.5	53	91	53	94.5	52	93.5	53
Structural Clay Products 326	94.5	52	99.5	49	102.5	47	100	49
Pottery & Related Products 327	54	65	53	66	80.5	59	64	63
Concrete, Gypsum, & Plaster Products 329	46	67	68.5	61	59	64	60	64
Abrasive, Asbestos, & Misc. Nonmetalic Mineral Products 332	76	60	72	60	86	56	69.5	59
Iron & Steel Foundries 334	46	67	49	67	48.5	67	50.5	67
Secondary Smelting & Refining of Nonferrous Metals 335	59.5	64	28.	73	45.5	6 8	4 5	68
Rolling, Drawing & Extruding of Nonferrous Metals	27	72	18	76	21.5	74	21	74
336 Nonferrous Foundries 339	86.5	57	77.5	59	75	60	79.5	59
Misc. Primary Metal Products 341	80.5	58	62	6 3	68.5	62	71	61
Metal Cans & Shipping Containers 342	75	60	66.5	62	75	60	71	61
Cutlery, Hand Tools, & General Hardware 343	50	66	41.5	69	45.5	68	45	68
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures 344	64	63	53	66	64	63	60	64
Fabricated Structural Metal Products 345	75	60	72	60	68.5	62	71	61
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers	35	70	46	68	57	65	45	68
346 Metal Forgings & Stampings 347	8.5	81	5.5	83	7	82	6	82
Coating, Engraving, & Allied Services	50	66	30.5	72	38.5	69	39	69

A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

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Rank-Order of Industries	Rank-Order		Rank-Order		Rank-Order		D-alt O-da-	Mean
SIC Code Industry Title	Scheme 1 Weighted Scores	Weighted Scores of Scheme 1	of Scheme 2 Weighted Scores	Weighted Scores of Scheme 2	of Scheme 3 Weighted Scores	Weighted Scores of Scheme 3	Rank-Order of Mean of Weighted Scores	Weighted Scores of Schemes 1, 2, and 3
348		·						
Ordinance & Accessories Except								
Vehicles & Guided Missiles	90	54	82.5	58	84.5	57	85	56
349	10	-0	04 5	74	40	76	10	
Misc. Fabricated Metal Products	18	76	24.5	74	18	75	19	75
351 Easing & Tuching	20.5	75	41.5	69	30.5	71	28.5	72
Engines & Turbines 352	20.5	75	41.5	09	30.0	1 1	20.0	72
Farm & Garden Machinery &								
Equipment	8.5	81	24.5	74	8.5	81	11	79
353				, .				
Construction, Mining, & Materials								
Handling Machinery & Equipment	8.5	81	21	75	8.5	81	11	7 9
354								
Metalworking Machinery &					_		_	•••
Equipment	6	83	21	75	5	84	7	81
355								
Special Industrial Machinery,	20.5	75	41.5	69	15	76	23,5	73
Except Metalworking Machinery	20,5	75	41.0	09	10	70	23.0	75
356 Constal Industrial Machinemy &								
General Industrial Machinery & Equipment	4	89	5.5	83	2	90	4	87
357		00	0.0	00	-		•	÷,
Office Computing, & Accounting	1							
Machines	24,5	73	46	68	21.5	74	28.5	72
358								
Refrigeration & Service Industry								
Machinery	30	71	49	67	30.5	71	36.5	70
359	-						•	
Misc. Machinery, Except Electrical	3	92	4	85	3.5	89	3	89
361								
Electrical Transmission &	66.5	62	77.5	59	64	63	71	61
Distribution Equipment	00.5	02	77.5	59	04	03	/1	01
362 Electrical Industrial Apparatus	75	60	86	56	75	60	79.5	59
363		00	00	50		00	,	
Household Appliances	86.5	56	95	52	84.5	57	86.5	55
364								
Electrical Lighting & Wiring								
Equipment	40	69	49	67	38.5	69	45	68

A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

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A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Rank-Order of Industries	Rank-Order of		Rank-Order of		Rank-Order of		Rank-Order	Mean Weighted
SIC Code Industry Title	Scheme 1 Weighted Scores	Weighted Scores of Scheme 1	Scheme 2 Weighted Scores	Weighted Scores of Scheme 2	Scheme 3 Weighted Scores	Weighted Scores of Scheme 3	of Mean of Weighted Scores	Scores of Schemes 1, 2, and 3
365								
Radio & Television Receiving								
Equipment, Except		-0		· ·				
Communication Types	79	59	88	55	75	60	83	58
366	40	67	60 F	¢0	45.5	60	F0	~~
Communication Equipment 367	46	67	66.5	62	45.5	68	53	66
Electrical Components & Accessories	69.5	61	82.5	58	64	63	71	61
369	09.5	01	82.5	90	04	03	71	01
Misc. Electrical Machinery								
Equipment & Supplies	5	84	9	81	6	83	5	83
371		04	5	01	0	00	5	
Motor Vehicles & Motor	ł							
Vehicle Equipment	1 1	98	1	90	.1	94	1	94
372		00	•			0.	•	0.
Aircraft & Parts	30	71	41.5	69	24.5	73	34	71
374								
Railroad Equipment	27	72	35.5	70	24.5	73	28.5	72
375						• -		
Motorcycles, Bicycles & Parts	22.5	74	30.5	72	15	76	21	74
376								
Guided Missiles & Space								
Vehicles & Parts	40	69	53	66	32.5	70	45	68
379								
Misc. Transportation Equipment	42.5	68	62	63	45.5	68	53	66
381								
Engineering, Laboratory, Scientific,								
& Research Instruments & Associated								
Equipment	54	65	62	63	64	63	60 ·	64
382								
Measuring & Controlling Instruments	42.5	68	56. 5	65	53	66	53	66
383							~~	
Optical Instruments & Lenses	75	60	77.5	59	75	60	76	60
384								
Surgical, Medical, & Dental		60	60 F	61	76	60	71	61
Instruments & Supplies	64	63	68. 5	61	75	60	71	61
385 Ophthalmic Goods	. 60 5	61	77 E	59	75	60	76	60
Opininalinic Goods	· 69.5	01	77.5	09	15	00	70	υψ

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Rank-Order of Industries	Rank-Order of		Rank-Order of		Rank-Order of		Rank-Order	Mean Weighted
SIC Code Industry Title	Scheme 1 Weighted Scores	Weighted Scores of Scheme 1	Scheme 2 Weighted Scores	Weighted Scores of Scheme 2	Scheme 3 Weighted Scores	Weighted Scores of Scheme 3	of Mean of Weighted Scores	Scores of Schemes 1, 2, and 3
386								
Photographic Equipment & Supplies 387	14.5	77	18	76	11.5	78	15	77
Watches, Clocks, Clockwork Operated Devices, & Parts	99	49	103	48	98.5	51	100	49
391 Jewelry, Silverware & Plated Ware	105	46	97	50	102.5	47	102.5	48
393 Musical Instruments	102	48	91	53	94.5	52	97	51
394 Toys & Amusement, Sporting & Athletic Goods	90	54	86	56	88	55	86.5	55
395 Pens & Pencils, & Other Office & Artists Materials	86.5	57	77.5	59	82.5	58	83	58
396 Costume Jewelry, Costume Novelties,								
Buttons, & Misc. Notions, Except Previous Metals	97	50	86	56	88	55	90	54
399 Misc. Manufacturing Industries	92.5	53	91	53	94.5	52	93.5	53

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A COMPARISON OF RANK-ORDERED WEIGHTED SCORES AND MEAN WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

APPENDIX A

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APPENDIX A

Department of Economics, University of Nebraska-Lincoln.

Input-Output Tables.

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Appendix A

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APPENDIX B

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APPENDIX B

Growth Projections

In order to arrive at a projected growth score for each of the 107 industries, data were utilized from three different sources:

1. The source for the average annual percentage change of industry shipments, 1980-85 was the <u>1981 U.S. Industrial</u> <u>Outlook</u> (U.S. Department of Commerce, 1981). The percentage of change (positive or negative) was gathered for each three digit Standard Industry Code (SIC) industry.* Where data were not available the average percentage of all other industries in the same two digit category was used. If that were not possible, the average of all 107 industries was used.

2. The data giving the 1980 and 1990 employment were drawn from the article, "Industry Output and Employment: BLS Projections to 1990" by Personick. The data were presented in terms of projected growth or decline. Employment figures for 1980 were subtracted from 1990 figures, and a percentage of change was created. The procedure for missing data used for the growth projections was again employed.

The Standard Industrial Classification code (SIC) is a system used to classify businesses and industries to facilitate the collection, tabulation, presentation, and analysis of data. In order to do this, industries are first divided into major groups according to their primary activities. The primary activity is determined by the principal product or group of products produced or distributed, or by services rendered. A two-digit code is assigned to the listings in these general groupings which are then further broken down into more specific groups by use of a three-digit code. A further specialization can be made by use of a four-digit code.

3. From Mooney and Tschetter (1976) were drawn the statistics on percentage of average annual change of output for each industry. Data for the output variable were available for each industry. The scores were standardized and added together to create a single growth variable for each industry.

Labor and Capital Intensity

Labor intensity versus capital intensity was measured by determining the value of machinery and equipment of each industry per production employee as measured in millions of dollars of new capital expenditures.

Wage Levels

The wage variable was determined from U.S. Department of Labor data by drawing the average earnings per week for 1980 and then the average hours per week worked. Earnings per week was then divided by the hours per week to create an hourly salary variable. The hourly salary approach more clearly demonstrated differences among industries. Again, the averaging procedure for unavailable data was employed. Markets Served

A series of tables from Weiss was used to identify the mean distance shipped by each manufacturing industry. Individual scores were recorded in mean miles shipped. The same averaging procedures were used for unavailable data. Natural Gas Energy Output Requirements

Direct requirements for gas utilities per dollar of output for 1980 were determined from U.S. Department of Labor

Appendix B

data. Data revealing total gas utility costs per dollar of output were available for all 107 industries.

Electrical Energy Requirements

Direct requirements for electric utilities per dollar of output for 1970 were determined from U.S. Department of Labor data. The total electric utility costs per dollar of output were available for all 107 industries.

External Linkages

Final demand multipliers for the Nebraska economy for 1976 were determined from unpublished input-output tables from the Department of Economics at the University of Nebraska-Lincoln. Scores, reflecting a final balance sum of input-output, were recorded in thousands of dollars for each of the 107 manufacturing industries in Nebraska.

Existing Industries

The number of existing plants in Iowa and Nebraska was totaled for each state, and then the figures were combined to create a single new variable. Data were available for all 107 industries from the Nebraska Department of Economic Development and the Iowa Development Commission.

Transportation Modes Utilized

U.S. Department of Labor data was utilized to determine the different types of transportation utilized by the separate industries as part of their direct requirement per dollar of output. The modes of transportation of interest were air, water, railroad, and truck-transport. Data were available for all 107 industries.

Appendix B

Water Output Requirements

Direct requirements for water usage per dollar of output for estimated 1970 usage were determined from U.S. Department of Labor data. The total water utility costs per dollar of output were available for all 107 industries. Percent Growth in Number of Establishments

The growth (or decline) of manufacturing-industry establishments with twenty or more employees were computed by comparing the 1970 and 1979 data available in <u>County</u> <u>Business Patterns</u>. Data was not available for all 107 industries since some of the various industries were not found in Douglas county in one or both of the reporting periods. The weighted scores reflect a higher score for those reporting a higher increase in establishments and a lower score for those reporting declines in the number of establishments. APPENDIX C

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TABLE 3

SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

PART	- A
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Criteria SIC Code		rowt		Inte v Car	bor nsive s. Dital nsive		Wage			larket		Natural Gas Energy Output Requireme		En Ou	ctrical ergy tput remen		ranspor Outp Require	ut	E	xterna			cistin lustri	
Industry Title	PTC	jectio		11118			Levels		3					riedni		_ <u> </u>				пкаус				
Assigned Weights	н 12	M 7	د 1 5	C 7	ι <u>b</u> / 5	н 12	M 6	L <u>a/</u> 1	R 7	N 4	L <u>C</u> 1	H M 10 5	ر <u>م</u> 2		M L 7 2		L M 7 5	н <u></u> 1	н 7	M 4	L ^a 1	M 12	A 8	1 2
201	Τ							_			1		i											
Meat Products 202			×	×	,		×		×			×			×			×	×			×		
Dairy Products 204	Ì		×	×			x				x	×			x			×			×	×		
Grain Mill Products 205			×	×			×			×		×			x			×	×			x		
Bakery Products			×	×		{	×	i			x	×			x			×			×		x	
206 Sugar & Confectionary Products			×	×			×		x			×			×			×			×		x	
208 Beverages			×	×		×					x	×			×			×			×		x	
209 Misc. Food Preparations &]				÷	
Kindred Products 231			×	x				×			x	×			x			x			×		x	
Men's, Youth's, & Boys' Suits, Coats, & Overcoats	×			x				×		x		×			x	ļ	×				×			x
232 Men's, Youth's, & Boys' Furnishing,																								
Work Clothing & Allied Garments 233	×				×			×	×			×			×		×				×		×	
Women's, Misses, & Juniors	ļ																		{			1		
Outerwear 234	×				×			×	x			×			X		×				×		×	
Women's, Misses, & Children's & Infants Undergarments	x				x			×	x			×			×		×				×			x
235 Hats, caps, & Millinery	×				×			×	x			×			x		x		{		×			x
236 Girls', Children's, & Infants'																								
Outerwear 238	×		ĺ		×			×	x			×			x		×				×			x
Misc. Apparel & Accessories 239	×				×			×		x		x			×		×		1		×		x	
Misc. Fabricated Textile Products 243		x			x			x	x			×			×		×				×	x		
Millwork, Veneer, Plywood, & Structured Wood Members	×			x			×		×		i		×		×	.	x				×	×		
244											.													
Wood Containers		×			×			×			×		×		×	×	x		[×		x	

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TABLE 3

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Criteria SIC Code Industry Title		ansportati odes Utiliz			Vater Outp Requirement		1 1	ent Growt Number of tablishmer	F	Total Weighted Score			
Assigned Weights	н 7	M 4	L 1	H 7	M 5	L 1	Н 15	M 8	L 2				
201										······			
Meat Products 202		×		1		×	×		Ì	72			
Dairy Products 204		×				×			×	47			
Grain Mill Products 205		×				×		×		62			
Bakery Products 206		×				x	×			56			
Sugar & Confectionary Products 208		×				×		×		55			
208 Beverages 209		×				×			×	49			
Misc. Food Preparations & Kindred Products		x				×			×	38			
231 Men's, Youth's, & Boys' Suits,		~				^				00			
Coats, & Overcoats 232		×		×				x		63			
Men's, Youth's, & Boys' Furnishing, Work Clothing & Allied Garments		x		×				×		70			
233 Women's, Misses, & Juniors Outerwear		×		×				x		70			
234 Women's, Misses, & Children's &													
Infants Undergarments 235		x		×				×		64			
Hats, Caps, & Millinery 236		×		×				×		64			
Girls', Children's, & Infants' Outerwear		×		×				×		64			
238 Misc. Apparel & Accessories 239		×		×			ĺ	x		67			
39 Misc. Fabricated Textile Products 243			×			×	×			67			
Millwork, Veneer, Plywood, & Structured Wood Members		x				×		x		69			
44 Wood Containers	r	x				x		x		47			

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

Criteria SIC Code Industry Title	-			Wage Level			Marke Serve		E O	atural Gas nergy utput aireme		E O	ectrical nergy utput liremen		Out	ortation tput rements	E	xterr			xistir dustr			
Assigned Weights	н 12				Н 12	М 6	L 1	R 7	N 4	L 1	н 10	м 5	L 2	H 10	M L 7 2			мн 51	н 7	М 4	L 1	M 12	A 8	F 2
245					+											+						<u> </u>		
Wood Buildings & Mobile Homes 249		x	×			×		×			1		×		x	,	¢				x	×		
Misc. Wood Products 251	×		×				×	×					×		×	'	¢				×		×	
Household Fixtures 252		x		×			x			x			×		×		¢				×		x	
Office Furniture 253	i I	×		×			×	×					×		×	,	¢				x		x	
Public Buildings & Related Furniture 254		×		×			×	×					×		x	,	¢				x		×	
Partitions, Shelving, Lockers, & Office & Store Fixtures 259		x		×		×		×					×		×	,	¢				×		×	
Misc. Furniture & Fixtures 264		x		×		×			×				x		×	,	¢				x		×	
Converted Paper & Paperboard Products, Except Containers & Boxes		×	×			×				x			×		×	,	¢				x		×	
265 Paperboard Containers & Boxes 271		×	×			x				×			×		×	,	¢				x		×	
Newspapers 272		×	×			×		×				x		x			,	ĸ		x		×		
Periodicals: Publishing, Publishing & Printing 273		x	1	x		x		x				x		×			>	ĸ		x			×	
Books 274		×	×			x		×				×		×			,	ĸ		x		×		
Misc. Publishing 275		×		×		x		×				×		x			×	¢		x			x	
Commercial Printing 276		x	×		×			×				×		×			×	¢		x		×		
Manifold Business Forms 277		×		×		×		x				×		x			×	¢		x			x	
Greeting Card Publishing 278		×		×		×	i	×				x		×			X	¢.		x				x
Blank Books, Lonseleaf Binders, & Bookbinding & Related Work 279	 :	×		×			×	x				×		x			×	¢		×		x		
Service Industries for the Printing Trade	:	×		×	×			×				×		×			×	:		×		x		

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Criteria SIC Code Industry Title		ansportati odes Utiliz			Vater Outp Requirement		(1	ent Grow Number o tablishme	f [Total Weighted Score
Assigned Weights	H 7	M 4	L 1	H 7	M 5	L 1	Н 15	M 8	L 2	·
245							1			
Wood Buildings & Mobile Homes 249			×			×	ļ	×		61
Misc. Wood Products 251		x				×		x		60
Household Fixtures 252	·		×			×			×	38
Office Furniture 253			x			×		x		50
Public Buildings & Related Furniture 254			x			x		×		50
Partitions, Shelving, Lockers, & Office & Store Fixtures			×			x			x	49
259 Misc. Furniture & Fixtures			×			×		x		52
264 Converted Paper & Paperboard										
Products, Except Containers & Boxes 265	×			x					×	57
Paperboard Containers & Boxes 271		x				x		x		54
Newspapers 272	×			l l	x				×	77
Periodicals: Publishing, Publishing & Printing	×				×			x		77
273 Books	×				x			×		81
274 Misc. Publishing	×				×			×		77
275 Commercial Printing		×			×		×			93
276 Manifold Business Forms		×			×			x ,		74
277 Greeting Card Publishing		×			×			×		66
278 Blank Books, Looseleaf Binders, & Bookbinding & Related Work		×			×			×		73
Service Industries for the Printing										
Trade		×			×				×	78

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

PART A

					- ·			<u> </u>	<u> </u>						··· · · · ·									
Criteria SIC Code Industry Title				inte v Cap	bor nsive s. oital nsive		Wage			Market Served		Natu Ga Enei Outr Require	is rgy out	E O	ectrical nergy utput liremen		anspor Outp equire	ut) E	xtern inkag			kistir lustr	
Assigned Weights			L 5	C 7	L 5	н 12	M 6	L 1	R 7	N 4	L 1	н м 10 5		н 10	M 1 7 2	- L 2 7		н 1	н 7	М 4	L 1	м 12	A 8	F 2
282 Plastics Materials & Synthetic Resins, Synthetic Rubber, Synthetic & Other Man-made Fibers, Except Glass 283	×			×		×			×			×			×			×			x			×
Drugs 284 Soap, Detergents, & Cleaning	×			×		×			×			×			×			x			x		×	
Preparations, Perfumes, Cosmetics, & Other Toilet Preparations 285		×		×			x		×			×			×			×			×	x	•	
Paints, Varnishes, Lacquers, Enamels & Allied Products 287		×			x		×				x	×			×			×			x		×	
Agricultural Chemicals 289 Misc. Chemical Products			×	×		×	J				x x	×			x x			× ×			x x	×	v	
295 Paving & Roofing Materials		x	×	Â	x		× ×				×		×		×		×	^		x	Ŷ		x x	
299 Misc. Products of Petroleum & Coal 301			×		x		×		×				x		×		x			×			x	
Tires & Inner Tubes 302		×		×		×			×			×			×		x			x				x
Rubber & Plastics Footwear 303		×			×		×		×			×			×		×			x				x
Reclaimed Rubber 304 Rubber & Plastic Hose & Belting		x x			×		x x		×			×			x x		x x			×				× ×
306 Fabricated Rubber Products,				i											A					'n				
Not Elsewhere Classified 307 Misc. Plastics Products	×	x		×	x		×	×	×			×			× ×		x x		ļ	x x		x	x	
311 Leather Tanning & Finishing			x	'n	×			^	x			x		x			r.	x		x		n		x
322 Glass & Glassware, Pressed or Blown 323		x		x			×				×	×			×			x		x				x
Glass Products, Made of Purchased Glass		:	×		×		x		×			×			x			x		×			x	

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Criteria SIC Code Industry Title		ansportati odes Utiliz			ater Outp equiremer			ent Growi Number o tablishmer	f	Total Weighted Score
Assigned Weights	H 7	м 4	L 1	Н 7	M 5	L 1	Н 15	M 8	L 2	
Plastics Materials & Synthetic Resins, Synthetic Rubber, Synthetic & Other										
Man-made Fibers, Except Glass			×			x		×		64
283 Druce										70
Drugs 284	1		×	Ę		×	ļ	x		70
Soap, Detergents, & Cleaning										
Preparations, Perfumes, Cosmetics,										
& Other Toilet Preparations 285		×			x				×	64
Paints, Varnishes, Lacquers,				ļ			ļ			
Enamels & Allied Products		x		×				x		60
287				1						co
Agricultural Chemicals 289		×				×			×	58
Misc. Chemical Products	×			x			Į	×	ļ	65
295										_
Paving & Roofing Materials 299	×			×				×		65
Misc. Products of Petroleum & Coal	×			×			ĺ	x		71
301										
Tires & Inner Tubes	×			×				x		76
302										70
Rubber & Plastics Footwear 303	×			×				×		70
Reclaimed Rubber	×			×				x		70
304)			1			
Rubber & Plastic Hose & Belting	×			×				x		70
306 Fabricated Rubber Products,										
Not Elsewhere Classified	×			×				×		76
307							1			
Misc. Plastics Products		×				x	×			80
311 Leather Tanning & Finishing	1	x			×			×		61
S22		^			^]	^		
Glass & Glassware, Pressed or Blown 323		×			×			×		57
Glass Products, Made of Purchased							1			
Glass		x			х			x		65

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

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Criteria SIC Code Industry Title		rowt		Inte V Caj	bor nsive rs. pital nsive		Wage Levels			farke Serve		E	atura Gas nergy utpu uirem	/ t	Er	ctrica nergy utput	:	0	utpu	ation ut nents	E	xteri inka			distin lustri	
Assigned Weights	н 12	M 7	L 5	C 7	L 5	н 12	M 6	L 1	R 7	N 4	L 1	н 10	M 5	L 2	H 10	M 7	Լ 2	L 7	М 5	H 1	н 7	M 4	L 1	M 12	A 8	F 2
324																										
Cement, Hydraulic 325			x	×		×					x		x			x				x	}	×				x
Structural Clay Products 326			×		×		x				x		×			×				×		×			×	
Pottery & Related Products			x		×		×			×			×			x				×		x			×	
Concrete, Gypsum, & Plaster Products 329		x		×			x				×		×			×				×		x		×		
Abrasive, Asbestos, & Misc. Nonmetalic Mineral Products 332			x	×			×				×		x			×				×		×			×	
32 Iron & Steel Foundries 34		×		×			x				×			x	-		×	×			×				x	
Secondary Smelting & Refining of Nonferrous Metals 135		x			×	×	-			x				×			×	×			×					×
Rolling, Drawing & Extruding of Nonferrous Metals 336		×		x		×			x					x			x	×			×				x	
30 Nonferrous Foundries 39		×		×			×		1		×			×			×	×			×				x	
Misc. Primary Metal Products 341		x			×	×					×			x			×	×			×					x
Metal Cans & Shipping Containers 342			x	×		×					×			x		×		×			×			· .		×
Cutlery, Hand Tools, & General Hardware 43		×		×			×			×				x		×		. × .			×			×		
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures 44		×			×		×			×				×		×		×			×				×	
Fabricated Structural Metal Products 45		x		×			×				×			x		x		×			×			×		
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers 46			×	×			x	:			×			x		×		×			×				x	
Metal Forgings & Stampings 47		x		×		×			×					×		×		x			×			×		
Coating, Engraving, & Allied Services		×		×				×	×					×		×		×			×			· .	x	

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Criteria SIC Code	_T ,	ansportati	ion	l v	Vater Outp	IT.	1	ent Grow Number o		Total
Industry Title		odes Utiliz			Requirement			tablishme		Weighted Score
Assigned Weights	H 7	M 4	L 1	Н 7	M 5	۲ ۲	н 15	M 8	և 2	
324				Γ						
Cement, Hydraulic 325			×			x		x		53
Structural Clay Products 326			x	1		×		×		52
Pottery & Related Products 327	×				×			×		65
Concrete, Gypsum, & Plaster Products 329			×			×	×			67
Abrasive, Asbestos, & Misc. Nonmetalic Mineral Products 332	×					×		×		60
Iron & Steel Foundries 334		x				×	×			67
Secondary Smelting & Refining of Nonferrous Metals 335	×					×		×		64
Rolling, Drawing & Extruding of Nonferrous Metals 336		×				x		×		72
Nonferrous Foundries 339			×			×		×		57
Misc. Primary Metal Products 341		×				×		x		58
Metal Cans & Shipping Containers 342			×			×		×		60
Cutlery, Hand Tools, & General Hardware 343		x				x	ļ		×	66
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures 344			×			x		×		63
Fabricated Structural Metal Products 145			×			x			×	60
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers.		×				×	x			70
46 Metal Forgings & Stampings 47		×				×		×		81
Coating, Engraving, & Allied Services		×				×		x		66

SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

PART A

Criteria SIC Code Industry Title		row1 jecti		Inte Ca	abor ensive /s. pital ensive		Wag	-		Marke Serve	-	E	latura Gas inergy Jutpu uirem	/ t	E	ectric inerg Jutpu uirem	y It	. C	sport Dutpu uiren		E	xtern .inkag	al es		cistin Justri	
Assigned Weights	H 12	M 7	L 5	C 7	L 5	н 12	M : 6	L 1	R 7	N 4	1 1	н 10	M 5	L 2	н 10	M 7	і 2	L 7	M 5	н 1	н 7	M 4	Լ 1	м 12	A 8	F 2
348 Ordinance & Accessories Except Vehicles & Guided Missiles 349 Misc, Fabricated Metal Products		x		×	x		×				×			×		×		x			×			x		×
Engines & Turbines		^	x) x		×	^			×	x	×		î	×	^		Î	x				×		×	
352 Farm & Garden Machinery & Equipment 353		×		×		×			×			×		l	×				×				x	x		
Construction, Mining, & Materials Handling Machinery & Equipment 54		×		×		×				x		×			×				×				x	×		
Metalworking Machinery & Equipment 55	×			×		×					×	×			×				x				x	.×.		
Special Industrial Machinery, Except Metalworking Machinery 56		×		×			×		×			×		ĺ	×				x		ĺ		x	×		
General Industrial Machinery & Equipment 57	×			×		×			×			×			×				×				x	×		
Office Computing, & Accounting Machines 58 Refrigeration & Service Industry	×			×			×			×		x			×			, ,	x				×		x	
Machinery 59		×		×			x			x		x			×				×				x		×	
Misc. Machinery, Except Electrical 51 Electrical Transmission &		×		×			x		×			×		İ	×				×				x	×		
Distribution Equipment 52	×				×		×			×		x					×			×			×		x	
Electrical Industrial Apparatus 53 Household Appliances		x x		×			x x			×		×					× ×			× ×	}		×		×	
Biotrical Lighting & Wiring Equipment		x		×			×		×	^		x		·			x			x			×		×	

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Criteria SIC Code Industry Title		ansportati odes Utiliz			ater Outpu equiremen			ent Grow Number o tablishmer	f	Total Weighted Score
Assigned Weights	H 7	M 4	L 1	H 7	M 5	L 1	H 15		L 2	
348										
Ordinance & Accessories Except Vehicles & Guided Missiles			×			×		×		54
349 Misc. Fabricated Metal Products 351		×				x	×			76
Engines & Turbines 352		×				x		×		75
Farm & Garden Machinery & Equipment 353			×			×		×		81
Construction, Mining, & Materials Handling Machinery & Equipment 354		×				×		x		81
Metalworking Machinery & Equipment		×				×		×		83
355 Special Industrial Machinery, Except Metalworking Machinery			×			×		×		75
356 General Industrial Machinery & Equipment		×				x		x		89 -
Office Computing, & Accounting		Ŷ				~		Ŷ		
Machines 358			×			x		x		73
Refrigeration & Service Industry Machinery 359		×				×		×		71
Misc. Machinery, Except Electrical 361	×				×		×			92
Electrical Transmission & Distribution Equipment 362		×				×		x		62
902 Electrical Industrial Apparatus 963		×				×		×		60
Household Appliances 864			×			×		×		56
Electrical Lighting & Wiring Equipment	×				×			×		69

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

Criteria SIC Code Industry Title		owth	Lat Inter vs Cap Inter	isive ital	4	Wage Level			Aarke Servee		E	atura Gas nergy lutput utput	, t	Ē	ectric nerg utpu virem	/ t	0	sport Dutpu uirem		E:	ktern nkag			xistir dustr	•
Assigned Weights	H 12	M I 7 5	C 7	L 5	н 12	M 6	L 1	R 7	N 4	L 1	н 10	M 5	L 2	н 10	M 7	L 2	L 7	М 5	н 1	н 7	M 4	L 1	M 12	A 8	F 2
365 Radio & Television Receiving Equipment, Except Communication Types 366	×			×		×			×		x					x			x			×		×	
Communication Equipment 367	x		x		×				×		×					x			×			x		x	
Electrical Components & Accessories 369	×		×			×		×			×					×			×			x		×	
Misc. Electrical Machinery Equipment & Supplies 371		x	×		×			×			×					x	:		x			×		×	
Motor Vehicles & Motor Vehicle Equipment 372		×	×		×			×			×			×				×				x	×		
372 Aircraft & Parts 374		x	×		×				×		×			×				×				x			×
Railroad Equipment 375		×		×	×			×			×			×				×				x			×
Motorcycles, Bicycles & Parts 376	×			x	x				x		×			x				×				×			x
Guided Missiles & Space Vehicles & Parts 379		x		×	x			×			×			×				x				×			x
Misc, Transportation Equipment 381 Engineering, Laboratory, Scientific, & Research Instruments & Associated	×			×	1	×		×			×			x				x				×		x	
Equipment 382		×		x		x			x		×				x			x				x		x	
Measuring & Controlling Instruments 383		×	x			×			x		×				x			x				x		x	
Optical Instruments & Lenses 384 Surgical, Medical, & Dental		×		×		x		×			×				x			×				×			x
Instruments & Supplies 385	×			×			×		x		×				×			×				x		×	
Ophthalmic Goods		x		x			x	×			×				×			x				x		×	

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SCHEME NUMBER ONE WEIGHTED	SCORES OF CAI	NDIDATE INDUSTRIES	BY STANDARD	INDUSTRIAL CODES
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PART B

				PART	B					
Criteria SIC Code Industry Title		ansportati odes Utiliz			/ater Outp equiremer		1	ent Grow Number o tablishme	f	Total Weighted Score
Assigned Weights	Н 7	M 4	L 1	Н 7	M 5	L 1	Н 15	M 8	L 2	
365										
Radio & Television Receiving										
Equipment, Except									ł	
Communication Types			x			x		x		59
366										
Communication Equipment 367			x			x		×		67
Electrical Components & Accessories						x				61
369		×				~			×	01
Misc. Electrical Machinery										
Equipment & Supplies	×			x			x		[84
371	1						1		ł	
Motor Vehicles & Motor	1									
Vehicle Equipment	×				x		×			98
372							1			
Aircraft & Parts		x				x		×		71
374										
Railroad Equipment		x				x	1	x	•	72
375										~
Motorcycles, Bicycles & Parts	i i	x				x		x		74
376 Guided Missiles & Space										
Vehicles & Parts	1		×			×		x	}	69
379			^			^	1	^		05
Misc. Transportation Equipment		x			×				×	68
381	[~			~				^	•••
Engineering, Laboratory, Scientific,										
& Research Instruments & Associated		x				x		x		65
Equipment									l l	
382										
Measuring & Controlling Instruments		×				×		×		68
383	[l		ļ	<u> </u>
Optical Instruments & Lenses			×			×		×		60
384										
Surgical, Medical, & Dental									l l	63
Instruments & Supplies			x			x		×		03
385 Ophthalmic Goods		x				x		×	e.	61
Ophthalmic Goods		^				^	1	^	Ľ I	01

SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

PART A

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Criteria				Inter v:	nsive								Gas			ectric		Trans								
SIC Code Industry Title	_	rowt		Cap	s. Dital Insive		Wage Levels			larket Served			nergy utput rirem	t		nergy utput uirem	t	С	utpu	t	E;	ktern Inkag			xistir Justr	~
Assigned Weights	H 12	M 7	L 5	C 7	L 5	н 12	M 6	Լ 1	R 7	N 4	L 1	н 10	M 5	L 2	Н 10	M 7	L 2	L 7	М 5	H 1	н 7	M 4	L 1	M 12	A 8	F 2
386	1																				1		-			
Photographic Equipment & Supplies 387	×			×		×				×		×				×			×				×			×
Watches, Clocks, Clockwork Operated Devices, & Parts		x			x			x			x	x				×			x				x			×
391 Jewelry, Silverware & Plated Ware 393			x		×			x		×				x			×	x					×			×
993 Musical Instruments 394		×			×			x		x		:		×			×	×					x			×
Toys & Amusement, Sporting & Athletic Goods 395		×			×			x		x				×		,	x	x					×		x	
Pens & Pencils, & Other Office & Artists Materials 396		×			×			x	x					×			×	x					×		x	
Costume Jewelry, Costume Novelties, Buttons, & Misc. Notions, Except Previous Metals		×			x			x	×					x			×	×					x			×
399		^			~			î	î					î			Â	Ŷ					^			. ^
Misc. Manufacturing Industries			x		×			x	×					×			x	×					×	×		

^{a/} High, Medium, Low ^{b/} Capital, Labor ^{c/} Regional, National, Local ^{d/} Low, Medium, High ^{e/} Many, Average, Few

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Criteria SIC Code Industry Title		ansportati odes Utiliz			/ater Outp lequiremer			ent Growt Number o tablishmer	F	Total Weighted Score
Assigned Weights	H 7	M 4	L 1	Н 7	M 5	L 1	Н 15	M 8	L 2	
386 Photographic Equipment & Supplies 387		x				x	×			77
Watches, Clocks, Clockwork Operated Devices, & Parts 391			×			x		×		49
Jewelry, Silverware & Plated Ware 393	,	×			x			×		46
Musical Instruments 394		×			×			×		48
Toys & Amusement, Sporting & Athletic Goods 395		×			x			×		54
Pens & Pencils, & Other Office & Artists Materials 396		x			x			×		57
Costume Jewelry, Costume Novelties, Buttons, & Misc. Notions, Except Previous Metals 399		x			×			×		50
Misc. Manufacturing Industries		×			×				х	53

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SCHEME NUMBER ONE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

TABLE 4

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

· · ·			· •• ·						RT /	4				·····							
Criteria SIC Code Industry Title		rowth	In C	abor tensive vs. apital tensive		Vage evels		Marke Serve		Natur Gas Energ Outpu Requiren	IY Jt	En Ou	trical ergy tput rements	0	portation utput irements	E>	xternal			isting	
							+					<u> </u>							,		
Assigned Weights	н 10	M L- 5 2	"C 7	L <u>Þ</u> / 5	н 10	M L 5 2	[≞] 1 ⊓ 1	0 7	<u>ر د</u> 2	H M 7 4	۲ <u>a</u> 1	H 7	M L ^a 5 1	Ĺ 10	M H 7 2			L ^ª 2	М 8		<u>-</u>
201	1											1									
Meat Products		x	×			×	×			×			×		×	×			x		
202																		ŀ			
Dairy Products		×	×			×	ļ		×	×			×		×	1		×	×		
Grain Mill Products		×	×			×		x		×			x	1	×	×			×		
205 Bakery Products		×	×		1	x			x	×			~	ł	×			x		x	
206		~	^			^			^	· ^			×	1	×			^		^	
Sugar & Confectionary Products		x	×			×	×			×			×	1	×			x		x	
208	1		1									1									
Beverages		x	×		×				×	×			×		×	1		x		x	
209																					
Misc. Food Preparations &			1																		
Kindred Products		x	×			×			×	×			x	1	×			×		×	
231																-					
Men's, Youth's, & Boys' Suits,			1											1							
Coats, & Overcoats 232	×		×			x		×		×			×		x	ł		×		×	¢,
Men's, Youth's, & Boys' Furnishing,			1		ļ																
Work Clothing & Allied Garments	×		1	×	1	×	×			×			×		x			x		x	
233	<u> </u>						"						•								
Women's, Misses, & Juniors					[]					
Outerwear	x			×		×	×			×		:	ĸ		x			x		x	
34			1		1																
Women's, Misses, & Children's &			1		1					1											
Infants Undergarments	×		1	×		×	×) ×		'	ĸ		×	1		×		х	
135 Hats, caps, & Millinery	×		1	×		x	×			×] .	x	1	×			×		×	,
riars, caps, & Millinery 236	^			^		~	1			1 ^		1.	~	1	^			^		^	•
Girls', Children's, & Infants'					1							1									
Outerwear	x		1	×		×	×			×		. :	ĸ		x			x		×	(
38	1		1				1			[[
Misc. Apparel & Accessories	×		1	х		×		x		×		;	ĸ		x			x		x	
39												ł									
Misc. Fabricated Textile Products		x	1	×		×	×			×		'	ĸ		×		1	x	×		
43														1		1					
Millwork, Veneer, Plywood, &	Ι.		1							ł								J	~		
Structured Wood Members	×		×			x	×			i	×	1	x	×				×	×		
244 Wood Containers			1	~		×			x		×		x	×				x		×	
wood Containers	1	×	1	×	1	×	1		~	1	~	1	~	1 ^				~		^	

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TABLE 4

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<u>Criteria</u> SIC Code		ansportati		w	/ater Outp	ut		ent Growi Number o	F	Total
Industry Title	Mc	odes Utiliz	ed	R	equiremer	its	Es	tablishmer	nts	Weighted Score
Assigned Weights	Н 10	M 5	L 1	Н 10	M 5	L 2	н 12	M 8	L 2	
201										
Meat Products 202	Ì	×		1		×	×		1	70
Dairy Products		x				x			x	48
204 Grain Mill Products	Ì	×				×		×		63
205	l l	~				~		~		
Bakery Products 206		×				×	×			49
Sugar & Confectionary Products		x				x	[×		53
208 Beverages		×				x				44
209		~		1		~			×	44
Misc. Food Preparations & Kindred Products										37
231		x				×			×	3/
Men's, Youth's, & Boys' Suits,	ļ			ļ			Į			22
Coats, & Overcoats 232		x		×				x		69
Men's, Youth's, & Boys' Furnishing,										
Work Clothing & Allied Garments 233		×		×			ŀ	×	ľ	73
Women's, Misses, & Juniors	ľ						1		-	
Outerwear 234		×		×				×		73
Women's, Misses, & Children's &				ļ						
Infants Undergarments		×		×			i i	x		70
235 Hats, Caps, & Millinery		×		×				×		70
236										
Girls', Children's, & Infants' Outerwear		×		×				×		70
238		^		Â				^		
Misc. Apparel & Accessories 239		×		×				×		70
Misc. Fabricated Textile Products			×	1		x	×			63
243							1			
Millwork, Veneer, Plywood, & Structured Wood Members	ł	×				×	1	x	l l	69
244										-
Wood Containers		×				x		x		48

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SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

Criteria					bor nsive		<u> </u>				,	N	latura Gas		El	ectric	al								_	_
SIC Code Industry Title		rowt jectio		Cap	s. Dital Nsive		Wage Level		· ·	Marke Served		C	inerg Outpu uirem		l c	nergy Jutput Jiremo	t	0	portatio utput uiremen			ktern nkag			xisting dustries	
Assigned Weights	H 10	M 5	L 2	С 7	L 5	н 10	M 5	L 2	R 10	N 7	L 2	н 7	M 4	Լ 1	н 7	М 5	Լ 1	L 10	M H 7		н 12	м 8	L 2	M 8	A F 5	- 2
245 Wood Buildings & Mobile Homes 249		×		×			x		×					x			×	×					x	×		-
Misc. Wood Products 251	×			x				×	×					×			×	×					x		×	
Household Fixtures 252		×			x			x			x			×			×	×					×	1	×	
Office Furniture 253		x			X			x	×					×			×	×					×		x	
Public Buildings & Related Furniture 254 Partitions, Shelving, Lockers, &		x			×			×	×					×			×	×					×		x	
Office & Store Fixtures 259		×			×		×		×					×			x	×					×		×	
Misc. Furniture & Fixtures 264 Converted Paper & Paperboard		x			×		×			×				×			×	×					×		×	
Products, Except Containers & Boxes 265		×		×			×				×			x			×	×					×		×	
Paperboard Containers & Boxes 271		x		×			x		×		×		×	×	×		x	×	x			×	x	×	x	
Newspapers 272 Periodicals: Publishing, Publishing &		x		Â			x		Î				Ŷ		Î				^	Ì		Ŷ		Î		
Printing 273		×			×		×		×				x		×				×			×			x	
Books 274 Misc. Publishing		×	×	×	x		× ×		×				x x		×				x x			× ×		x	x	
275 Commercial Printing		×		×	^	x	Ŷ		x				x		x				x			x		x	n	
276 Manifold Business Forms		x	I		x		x		x				x		×				x			x			x	
277 Greeting Card Publishing		x			x		x		×				x		×				x			×			x	
278 Blank Books, Looseleaf Binders, & Bookbinding & Related Work 279		x			×			x	×				x		x				×			×		x		
Service Industries for the Printing Trade		×			×	×			×				x		×				×			×		x		

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Criteria SIC Code					(Perc	ent Grow	th in	T
Industry Title		ansportati odes Utiliz			ater Outp equiremer		Es	Number o tablishmer	nts	Total Weighted Score
	н	м	 L	н	м	L	Н	м	L	
Assigned Weights	10	5	<u> </u>	10	5	2	12	8	2	
245										
Wood Buildings & Mobile Homes 249			×			x	1	×		60
Misc. Wood Products 251		×				×		x		63
Household Fixtures 252			x			×			×	38
252 Office Furniture 253			x			×		×		52
203 Public Buildings & Related Furniture 254			×			×		×		52
Partitions, Shelving, Lockers, & Office & Store Fixtures			x	}		×			x	49
259 Misc. Furniture & Fixtures 264			×			×		×		58
Converted Paper & Paperboard									1	20
Products, Except Containers & Boxes 265	×			×					×	60
Paperboard Containers & Boxes 271		x				×	Į	×		53
Newspapers 272 Periodicals: Publishing, Publishing &	×				×				×	78
Printing 273	×				x			×		79
Books 274	×				x			x		81
Misc. Publishing 275	×				×			×		75
Commercial Printing 276		×			×		×			88
276 Manifold Business Forms 277		×]	×			x		74
Greeting Card Publishing 278		x			x			x		71
Blank Books, Looseleaf Binders, & Bookbinding & Related Work 279		×			x			x		74
Service Industries for the Printing Trade		x			×				×	81

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SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

· · · ·																									
Criteria SIC Code Industry Title		rowth	s	Inter v Cap	bor nsive s. pital nsive		Wage Level			larket		E O	aturał Gas nergy utput uiremer	nts	Electr Ener Outp Require	'9Y Jut	c	sporta)utpu uirem	t	E	ktern nkag			xisting	
Assigned Weights	н 10		L 2	C 7	L 5	н 10	M 5	L 2	R 10	N 7	L 2	Н 7		L 1	H M 7 5	L 1	L 10	M 7	H 2	Н 12	M 8	L 2	M 8	A 5	F 2
282 Plastics Materials & Synthetic Resins, Synthetic Rubber, Synthetic & Other Man-made Fibers, Except Glass 283 Drugs 284	× ×			x x		××			x x				x		×				××			×		×	x
Soap, Detergents, & Cleaning Preparations, Perfumes, Cosmetics, & Other Toilet Preparations 285 Paints, Varnishes, Lacquers,		×		x			×		×				x		×				x	ł		x	×		
Enamels & Allied Products 287 Agricultural Chemicals 289		× ,	×	x	×	×	x				× ×		× ×		×				x x			x x	×	×	
Misc. Chemical Products 295		×		×			×				×		×		x				×			×		×	
Paving & Roofing Materials 299 Misc, Products of Petroleum & Coal			K K		×		×		×		x		,		x x			x x			x x			x x	
301 Tires & Inner Tubes		×		×		×			×				×		x			x			x				x
302 Rubber & Plastics Footwear 303		×	:	:	×		x		×			:	×		x			×			×				x
Reclaimed Rubber 304		x			x		x		x				x		x			x			x				x
Rubber & Plastic Hose & Belting 306		x			x		x	1	x				×		×			×			x				×
Fabricated Rubber Products, Not Elsewhere Classified 307		×			×		×		×				×		x	i		x			×			x	
Misc. Plastics Products 311	×			x				×	×				x		×	*	•	x			x		×		~
Leather Tanning & Finishing 322 Glass & Glassware, Pressed or Blown 323		×		×	×		x		×		×	×	×		× ×				x x		× ×				× ×
Glass Products, Made of Purchased Glass		,	¢		×		×		x				×		×				x		×			×	

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Criteria Percent Growth in SIC Code Transportation Water Output Number of Total Industry Title Modes Utilized Requirements Establishments Weighted Score н М L н М Ł н Μ L Assigned Weights 10 5 1 10 5 2 2 8 12 282 Plastics Materials & Synthetic Resins, Synthetic Rubber, Synthetic & Other Man-made Fibers, Except Glass 63 x х х 283 Drugs 66 х х х 284 Soap, Detergents, & Cleaning Preparations, Perfumes, Cosmetics, & Other Toilet Preparations х х х 60 285 Paints, Varnishes, Lacquers, Enamels & Allied Products х х 59 х 287 Agricultural Chemicals 49 х x x 289 Misc. Chemical Products 65 х х х 295 Paving & Roofing Materials x x 68 х 299 Misc. Products of Petroleum & Coal х х x 76 301 86 Tires & Inner Tubes х х х 302 Rubber & Plastics Footwear 79 × х х 303 Reclaimed Rubber 79 х х х 304 79 Rubber & Plastic Hose & Belting х х х 306 Fabricated Rubber Products. Not Elsewhere Classified х х х 82 307 Misc. Plastics Products 80 х х х 311 66 Leather Tanning & Finishing х x х 322 58 Glass & Glassware, Pressed or Blown х х х 323 Glass Products, Made of Purchased 64 Glass х х х

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

		••																	·					
Criteria SIC Code Industry Title		irowt		Inte V Caj	bor nsive rs. pital nsive		Wage Level			Marke Served			latural Gas inergy output uireme	, t	E O	ctric nergy utput irem		0	portation htput uirements	E	xter .inka		xistin Justri	
Assigned Weights	н 10	M 5	L 2	С 7	L 5	н 10	M 5	L 2	R 10	N 7	L 2	н 7	M 4	L 1	Н 7	M 5	L 1	L 10	М Н 72	Н 12	м 8	м 8	A 5	F 2
324 Cement, Hydraulic 325 Structural Clay Products 326 Pottery & Related Products 327			x x x	x	x x	×	× ×			×	x x		x . x x			× × ×			x x x		× × ×		x x	×
227 Concrete, Gypsum, & Plaster Products 329 Abrasive, Asbestos, & Misc. Nonmetalic Mineral Products		×	×	×			× ×				× ×		x x			x x	i		×		×	×	×	
332 Iron & Steel Foundries 334 Secondary Smelting & Refining of		x		×			×				×	:		×			x	×		×			×	
Nonferrous Metals 335 Rolling, Drawing & Extruding of Nonferrous Metals	1	× ×		×	×	× ×			x	x				x x			x x	х `х		×			×	×
336 Nonferrous Foundries 339		×		×			×				×			×			×	x		×			×	
Misc. Primary Metal Products 341 Metal Cans & Shipping Containers	1	×	×	x	×	×					x x			×		x	×	×		×				x x
342 Cutlery, Hand Tools, & General Hardware 343		×	Ŷ	×			×	!		×	^			×		×		×		×		x		~
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures 344		×			×		x			×				×		x .		×		×			×	
Fabricated Structural Metal Products 345 Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers 346		×	x	×			× ×				x x			× ×		× ×		×		×		×	×	
Metal Forgings & Stampings 347 Coating, Engraving, & Allied Services		× ×		× ×		×		×	× ×					x x		× ×		× ×		× ×		×	x	

Criteria SIC Code Industry Title		ansportati odes Utiliz			/ater Outp lequiremer			ent Grow Number o tablishme	f	Total Weighted Score
Assigned Weights	Н 10	M 5	L 1	Н 10	M 5	L 2	Н 12	M 8	L 2	
324										
Cement, Hydraulic 325			×	1		×		×		53
Szo Structural Clay Products 326			×			×		x		49
Pottery & Related Products 327	×				×			×		66
Concrete, Gypsum, & Plaster Products 329			×			×	×			61
Abrasive, Asbestos, & Misc. Nonmetalic Mineral Products 332	×		٠			×		×		60
552 Iron & Steel Foundries 334		×				x	×			67
Secondary Smelting & Refining of Nonferrous Metals 335	×					×		×		73
Rolling, Drawing & Extruding of Nonferrous Metals		x				×		×		76
136 Nonferrous Foundries 139			×			×		×		59
Misc. Primary Metal Products 141		×				×		×		63
Metal Cans & Shipping Containers 142			×			×		×		62
Cutlery, Hand Tools, & General Hardware 243		x				x			×	69
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures 44			×			×		×		66
Fabricated Structural Metal Products 45			×			×	1		×	60
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers		×				×	×			68
46 Metal Forgings & Stampings 47		×				×		×		83
Coating, Engraving, & Allied Services		×		1		×		×		72

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SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

PART A

Criteria SIC Code Industry Title		Grow		Inte V Ca	ibor insive is. pital insive		Wage Levels			Aarke Served		E C	Natura Gas Energy Dutpu uirem	y t		ectric inergy Jutput	r t		iporta lutpu uirem	t		xtern inkag			xistir dustr	
Assigned Weights	н 10	M 5	L 2	C 7	L 5	H 10	M 5	L 2	R 10	N 7	L 2	H 7	M 4	L 1	Н 7	M 5	L 1	L 10	M 7	н 2	н 12	M 8	L 2	м 8	A 5	F 2
348 Ordinance & Accessories Except Vehicles & Guided Missiles 349 Misc. Fabricated Metal Products		×		×	x		×				×	-		×		x		×			x			x		x
351 Engines & Turbines 352			x	×		×				x		×			×		1		x				x	1	×	
Farm & Garden Machinery & Equipment 553		×		×		×			×			×			×				×				×	×		
Construction, Mining, & Materials Handling Machinery & Equipment 354		x		×		×				×		x			×				×				x	×		
Metalworking Machinery & Equipment 355	×			×		×					×	×			×				×				x	×		
Special Industrial Machinery, Except Metalworking Machinery 356		×		×			×		×			×			×				x				x	x		
General Industrial Machinery & Equipment 357	×			×		×			×			×			×				x				x	×		
Office Computing, & Accounting Machines 358	×			×			×			×		×			×				x				x		x	
Refrigeration & Service Industry Machinery 359		x		[°] x			x			×		×			×				×				×		×	
Misc. Machinery, Except Electrical 361 Electrical Transmission &		x		×			x		×			×			×				×		-		x	×		
Distribution Equipment 362 Electrical Industrial Apparatus	×	x		×	×		× ×			×		×					× ×			x x			x x		x x	
363 Household Appliances		x x		×			×			×		×					×			x			x		x	
364 Electrical Lighting & Wiring Equipment		x		×			×		×			×					x			x			×		×	

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Criteria SIC Code Industry Title		ansportati odes Utiliz			/ater Outp equiremer			ent Growi Number o tablishmer	f	Total Weighted Score
Assigned Weights	н Н 10	M 5	L 1	н 10	M 5	L 2	H 12	M 8	L 2	
348										
Ordinance & Accessories Except Vehicles & Guided Missiles			×			×		×		58
349 Misc. Fabricated Metal Products 351		×				×	x			74
Engines & Turbines 352		×				×		×		69
Farm & Garden Machinery & Equipment 353			×			×		×		74
Construction, Mining, & Materials Handling Machinery & Equipment 354		×				×		×		75
Metalworking Machinery & Equipment		×				x		×		75
355 Special Industrial Machinery, Except Metalworking Machinery			×			v		U		69
356 General Industrial Machinery &			Â			×		×		
Equipment 357 Office Computing, & Accounting		×				×	1	x		83
Machines 358			×			×		x		68
Refrigeration & Service Industry Machinery 359		×				×		×		67
Misc. Machinery, Except Electrical 361	×				×		×			85
Electrical Transmission & Distribution Equipment 362		×]		×		×		59
Electrical Industrial Apparatus 363		×				×		x		56
Household Appliances 364			×			×		×		52
Electrical Lighting & Wiring Equipment	×				x			×		67

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

Criteria SIC Code Industry Title	Growt Projecti		Inter v Cap	bor nsive s. pital nsive		Wage Levels			farket: Served		E	latura Gas Energy Jutpu uirem	/ t	E	ectrica inergy Output uireme		Trans O Requ	utpu	it	E>	tern nkag			x istin dustri	-	
Assigned Weights	H M 10 5	L 2	С 7	L 5	н 10	М 5	L 2	Я 10	N 7	L 2	н 7	M 4	L 1	H 7	M 5	L 1	L 10	M 7	н 2	H 12	м 8	L 2	м 8	A 5	F 2	
365					 							_										_				
Radio & Television Receiving					1			1		1													1			
Equipment, Except																							1			
Communication Types	×			x	1	x		1	×		х					x			x			x		х		
366	}																									
Communication Equipment	×	I	x		×			ļ	x		x		l			x	1		х	ſ		х	4	x		
367	F																									
Electrical Components & Accessories	×		x			x		×			x					x			х			х		x		
369																										
Misc, Electrical Machinery	ł				ļ			l					1							l			[
Equipment & Supplies	×		x		×			x		Î	x					x			x			x		x		
371																										
Motor Vehicles & Motor					1																					
Vehicle Equipment	×		x		×			x			x			х				х				x	×			
372)		}		1			1												l I			1			
Aircraft & Parts	×		×		×				x		х			x				x				x			×	
374	1				ł			İ																		
Railroad Equipment	×			×	×			x			х			x		l		x				x	l I		x	
375	1		}		1			1												1			Ì .			
Motorcycles, Bicycles & Parts	x			x	×				x		x			x				x				x			x	
376								1																		
Guided Missiles & Space																							1			
Vehicles & Parts	×			x	x			×			x			x				x		Į –		x	1		×	
379	1																									
Misc. Transportation Equipment	×			×		×		x			x			x				×				x	j	x		
381																										
Engineering, Laboratory, Scientific,	ļ	1			Ļ			ļ]										ļ			4			
& Research Instruments & Associated	4																									
Equipment	×			x	i i	x		1	×		×				×			x				×	F	x		
382	Î			[^]		<u> </u>									.,									••		
Measuring & Controlling Instruments	×		x		l	x		l	x		x			ł	x			×		I		x	ł	×		
383	^		Î Î		4	^			2		^			ļ.	~					J]			
Optical Instruments & Lenses	×			x		x		x			×				x			×				×	1		x	
384	^			^		~		[^]		í													1			
											1			i i												
Surgical, Medical, & Dental								1	v		x			1	x			x		1		x]	x		
Instruments & Supplies	×			×	1		x		x		^				^			^		l		^	1	~		
385			•															U.				~	1	×		
Ophthalmic Goods	×	:		×]		×	×			х		i		x			x				×	1	<u>^</u>		

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Criteria								ent Growi		
SIC Code Industry Title		ransportati odes Utiliz			/ater Outp lequiremer			Number o tablishme:		Total Weighted Score
Assigned Weights	H 10	M 5	L 1	Н 10	M 5	L 2	Н 12	 М 8	L 2	
										······································
Radio & Television Receiving				1			1		1	
Equipment, Except							4			
Communication Types			x	1		×		x		55
366										
Communication Equipment			x	1		×		x		62
367										-0
Electrical Components & Accessories 369		x		1		x	ł		×	58
Misc. Electrical Machinery				1						
Equipment & Supplies	×			×			×			81
371				Î î			^			01
Motor Vehicles & Motor				4						
Vehicle Equipment	l x				x		x			90
372										
Aircraft & Parts		x				x		x		69
374										
Railroad Equipment	×	x		ļ		×		x		70
375										
Motorcycles, Bicycles & Parts		x				×		x		72
									1	
Guided Missiles & Space Vehicles & Parts			••	1			1		1	66
379			x	1		×		x		00
Misc. Transportation Equipment			×			×			×	63
381			^			^	1		^	00
Engineering, Laboratory, Scientific,									.]	
& Research Instruments & Associated										
Equipment		x		ł		x	1	×	ļ	63
382										
Measuring & Controlling Instruments		×				×	[x	1	65
383							1			
Optical Instruments & Lenses			×			x		×	1	59
	J									
Surgical, Medical, & Dental										
Instruments & Supplies)		x	1		x		×	Į.	61
385 Ophthalmic Goods						~		v		59
opathalmic Goods	1		×			x		×		28

SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODE	SCHEME NUMBER	TWO WEIGHTED	SCORES OF	CANDIDATE	INDUSTRIES B	Y STANDARD	INDUSTRIAL COL	DES
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PART A

Criteria					nsive								Gas			ectric		-								
SIC Code	G	irowt	h		/s. pital		Wage		N	larke	ts		inergy) utpu			inergy Jutpu1		Trans C	sporta Jutpu			xterna	i i	E	xistin	ŋ
Industry Title	Pro	jectio	ons	Inte	nsive	1	Level	s	5	Serve	d	Requ	Jirem	ents	Requ	uirem	ents	Requ	uirem	ents	<u> </u>	inkage	s	In	dustri	ies
	н	м	L	с	L	н	м	L	R	Ν	L	н	М	L	н	м	Ł	L	м	н	н	м	L	м	А	F
Assigned Weights	10	5	2	7	5	10	5	2	10	7	2	7	4	1	7	5	1	10	7	2	12	8	2	8	5	2
386																										·
Photographic Equipment & Supplies	×			×		×			1	×		×				×		ļ	×		{		x	1		x
387 Watches, Clocks, Clockwork	ſ					l						1						ł								
Operated Devices, & Parts		x			×	1		x			x	x				x			x				x			x
91																					1					
Jewelry, Silverware & Plated Ware			x		×			x		×				×			x	×					×			×
893 Musical Instruments		×			×			x		x				x			×	×					×			x
394		^		1	^			Ŷ		^				Ŷ			^	l î			1		Ŷ			Ŷ
Toys & Amusement, Sporting &																										
Athletic Goods	Į	×		Į	×	l		×	Į	x		l		×	ł		x	×			l		x	l	×	
395 Pens & Pencils, & Other Office &	1			1																				1		
Artists Materials		×			×			x	x					×			×	x					×		x	
396																										
Costume Jewelry, Costume Novelties,	[1								
Buttons, & Misc. Notions, Except Previous Metals	[x		•	x			x	×					x	[×	×					x			x
399	ĺ	^			^			~	Ê									Î								~
Misc. Manufacturing Industries	[•	x		×			×	×			1		x	1		x	×			ĺ		×	×		

<u>a</u>/ High, Medium, Low <u>b</u>/ Capital, Labor <u>c</u>/ Regional, National, Local <u>d</u>/ Low, Medium, High <u>e</u>/ Many, Average, Few

Criteria SIC Code Industry Title		ansportati odes Utiliz			ater Outp equiremer			ent Growi Number o tablishmer	f	Total Weighted Score
Assigned Weights	н 10	M 5	L 1	н 10	M 5	L 2	Н 12	M 8	L 2	
386 Photographic Equipment & Supplies 387		×		ľ		x	×			76
Watches, Clocks, Clockwork Operated Devices, & Parts 391			×			×		×		48
Jewelry, Silverware & Plated Ware 393		x			×			×		50
Musical Instruments 394		x			x			×		53
Toys & Amusement, Sporting & Athletic Goods 395		×			×			×		56
Pens & Pencils, & Other Office & Artists Materials 396		x			x			×		59
Costume Jewelry, Costume Novelties, Buttons, & Misc. Notions, Except Previous Metals		×			x			×		56
399 Misc. Manufacturing Industries		×			×				×	53

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SCHEME NUMBER TWO WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

TABLE 5

SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Criteria SIC Code Industry Title	Grov		l∩te v:	oital		Vage evets			larket		Natur Gas Energ Outpi Requirer	97 Ut		lectric Energ Dutpu	y It	0	sport Dutpu uirem			<terna< th=""><th></th><th></th><th>xistin dustri</th><th></th></terna<>			xistin dustri	
Assigned Weights	H N 12 6			L ^{b/}		м	L ^{a/} 2	R 8	N 5	۔ د	H M 10 5	L ^a	H 10	м		L 8	M 5	H ⁻ 2	н 10	M 5	n L 2	M 10	A 5	F ^{_e} / 2
	12 0						-			~				0						5		10	υ υ	
201							- 1														ĺ			
Meat Products	l	×	×			x	l	×			×				x	l		x	×			×		
202				•																				
Dairy Products 204		x	×			x				×	×				x	[×			×	×		
Grain Mill Products		~	x			x					×													
205	[×	^			^			x		^				×	1		×	×			×		
Bakery Products	ľ	×	x			x				×	×				x			×			x		x	
206										~					~			~					A	
Sugar & Confectionary Products		×	x			×	ł	x			×				x			x			x		x	
208	1																							
Beverages		×	×		×					x	×				×	1		×			x		×	
209	1						1									ł			ĺ					
Misc. Food Preparations &																!								
Kindred Products 231		×	x			:	×			×	×				×			x	1		×		x	
Men's, Youth's, & Boys' Suits,	1																				ĺ			
Coats, & Overcoats	×		×			;	×İ		x		×			x			×				x			x
232																								
Men's, Youth's, & Boys' Furnishing,																								
Work Clothing & Allied Garments	x			×		;	×	x			×			×			×				x		×	
233				1																				
Women's, Misses, & Juniors	1						.						1			i			Ι.					
Outerwear 234	×			x	·	;	×	×			×			×		i i	x		·		×		x	
Women's, Misses, & Children's &																			i					
Infants Undergarments	×			×		;	x	x			×			×			x				x			x
235																			1					
Hats, caps, & Millinery	x			x		,	×	x			×			×			×				x			X
236													1											
Girls', Children's, & Infants'																								
Outerwear	×			×		2	×	×			×			x			×				×			x
238 Misc. Apparel & Accessories	×			×			×		x		×		ļ	×		ļ	×		l		x		×	
239	^			<u>^</u>			^		^		^			^		[^				^		^	
Misc. Fabricated Textile Products	x			x		;	x	x			×			x			x		1		×	x		
243																Ì								
Millwork, Veneer, Plywood, &																					1			
Structured Wood Members	×		×			x		×				x	1		x	x					×	x		
244													1											
Wood Containers	×			×		;	x İ			x		x	1		x	X			1		x		x	

TABLE 5

SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

.

Acres 4

Criteria SIC Code Industry Title		sportation es Utilized		Water Ou: Requirem			ent Growt Number of tablishmer	F Į	Total Weighted Score	
Assigned Weights	н 7	M 4	Ц Н 1 10	 M 5	L 2	Н 12	M 8	L 2		
201 Meat Products										
202	1	×			x	×			70	
Dairy Products		x	4		x			×	46	
204									-	
Grain Mill Products		x	1		×		x	1	63	
205										
Bakery Products 206		x	1		x	×)	51	
Sugar & Confectionary Products		x			×		x		53	
208										
Beverages	1	x			×			×	46	
209								Í		
Misc. Food Preparations & Kindred Products		x			×	1		.	38	
231		*			^			×	50	
Men's, Youth's, & Boys' Suits,			ì			1		}		
Coats, & Overcoats		x	×				×		69	
232								ļ		
Men's, Youth's, & Boys' Furnishing,						{			72	
Work Clothing & Allied Garments		x	×				×		12	
Women's, Misses, & Juniors								i i		
Outerwear		x	×				x		72	
234						1		1		
Women's, Misses, & Children's &								•	00	
Infants Undergarments 135		×	×				x	1	69	
Hats, caps, & Millinery	ļ	x	×			ł	×		69	
236										
Girls', Children's, & Infants'										
Outerwear		×	×				×		69	
238 Misc, Apparel & Accessories		×	×]	×	1	69	
39		*	^				~		09	
Misc. Fabricated Textile Products			×		x	×		i	64	
43	{					4		ļ		
Millwork, Veneer, Plywood, &								1		
Structured Wood Members	ł	x	ľ		x		x	Í	72	
44 Wood Containers						1			49	

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Criteria SIC Code Industry Title	1	irowi		inte v Caj	bor nsive s. Dital nsive		Wage Level			Narke Served		E	atur: Gas nerg utpu irem	y	E O	ectrical nergy Jutput Jiremer	1	0	portation utput uirements	E	×terr i∩ka		1	xistin Justri	~
Assigned Weights	H 12	M 6	L 1	С 9	L 6	н 10	M 5	L 2	R 8	N 5	L 2	н 10	M 5	L 2	н 10		2	L 8	М Н 5 2	н 10	M 5	L 2	M 10	A 5	F 2
245 Wood Buildings & Mobile Homes		x		×			x		×					×		;	,	×				×	×		
249 Misc. Wood Products	×			×				×	x					×		,	•	x				×		x	
251 Household Fixtures		×]	x	1		×			×	1		×		,	<	×				x		×	
252 Office Furniture 253	ļ	x			×			x	×					×]	;	•	×				x		x	
Public Buildings & Related Furniture 254		×			×			×	×					×		,	<	×				x		×	
Partitions, Shelving, Lockers, & Office & Store Fixtures 259		×			x		x		×					x		;	<	x				×		×	
Misc. Furniture & Fixtures 264		×			x		x			×		ľ		×		,	•	X				×		×	
Converted Paper & Paperboard Products, Except Containers & Boxes 265	ļ	×		×			x		ļ		×			×		,	,	x				x		×	
Paperboard Containers & Boxes 271		×		×			x				×			×		,	·	×				×		x	
Newspapers 272		×		×		 .	x		×				×		×		}		x		×		×		
Periodicals: Publishing, Publishing & Printing 273		×		ļ	x		x		×			ļ	×		×				×		×			×	
Books 274			×	×			×		×				×		×				x		×		*		
Misc. Publishing 275		×			x		x		×				x x		×				x x		x x		×	×	
Commercial Printing 276 Manifold Business Forms		x x		×	×	×	x		×				×		x				×		x		Î	×	
277 Greeting Card Publishing		x			x		x		x				×		×		Í		×		×				×
278 Blank Books, Looseleaf Binders, & Bookbinding & Related Work		x			×			x	×				×		×				×		x		×		
279 Service Industries for the Printing Trade		×			x	×			×				x		×				×		x		×		

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

Criteria			- <u></u>				Parc	ent Grow	th in		
SIC Code Industry Title		ansportati odes Utiliz			ater Outpi equiremen			Number of tablishmer	f	Tota! Weighted Score	
Assigned Weights	Н 7	M 4	L 1	н 10	M 5	է 2	Н 12	M 8	L 2		·
245 Wood Buildings & Mobile Homes			x			×		x		63	
249 Mise. Wood Products		x				x	1	x		64	:
251 Household Fixtures			x			x]		×	40	:
252				•					^	-	
Office Furniture 253			×			×	1	X		52	:
Public Buildings & Related Furniture 254			x			x		×		52	
Partitions, Shelving, Lockers, & Office & Store Fixtures			×	ļ		×			×	49	· · ·
259 Misc. Furniture & Fixtures 264			×			x		×		52	· .
Converted Paper & Paperboard							}			60	
Products, Except Containers & Boxes 265	×	x		×	x		-		×		1
Paperboard Containers & Boxes 271		x				x		x		55	•
Newspapers 272	×				×				×	77	:
Periodicals: Publishing, Publishing & Printing	×				×			×		75	:
273 Books 274	×				×			×		78	
Misc. Publishing 275	×				x			×	1	75	
Commercial Printing 276		×			×		×			89	
Manifold Business Forms 277		×			×		{	x		72	en en Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria Referencia de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de Maria de
Greeting Card Publishing 278		×			x			×		69	
Blank Books, Looseleaf Binders, & Bookbinding & Related Work 279		x			×			×		84	، ۱۰ ۱۰
Service Industries for the Printing Trade		×			×				×	76	

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

Industry Title Projections Intensive Levels Served Requirements <		G	rowt	ħ	Inte v	bor nsive s. Dital		Wage		N	/arket:	3	E	latural Gas nergy lutput		E	ectric inerg	y Ö		sporta Dutpu		Ex	terna	af	E	kistin	10
Assigned Weights 12 6 1 9 6 10 5 2 8 5 2 10 5	Title	Pro	jecti	ons																						dustri	
Plastics Materials & Synthetic Resins, Synthetic Rubber, Synthetic A Other Man-made Fibers, Except Glass x x x x x x x x x x x x x x x x x x	Weights														L 2									L 2	м 10	A 5	F 2
Synthetic Rubber, Synthetic & Other Man-made Fibers, Except Glassxx<			<u> </u>										1	_													
283 Drugsxxx <t< td=""><td>c Rubber, Synthetic & Other</td><td>×</td><td></td><td></td><td>×</td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td></td><td>•</td><td>X</td><td></td><td></td><td>×</td><td></td><td></td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td></td><td>×</td></t<>	c Rubber, Synthetic & Other	×			×		×			×			•	X			×				×			×			×
B4 Soap. Detregents, & Cleaning reparations x																								-			Ŷ
Preparations, Performes, Cosnietics, & Other Toilet Preparationsxx </td <td></td> <td>x</td> <td></td> <td></td> <td>×</td> <td></td> <td>×</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td></td> <td>×</td> <td>I</td> <td></td> <td>x</td> <td></td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>×</td> <td></td> <td>x</td> <td></td>		x			×		×			×				×	I		x				×			×		x	
1955 Paints, Varnishes, Lacquers, x <td>ons, Perfumes, Cosmetics,</td> <td></td> <td>×</td> <td></td> <td>×</td> <td></td> <td></td> <td>×</td> <td></td> <td>x</td> <td></td> <td></td> <td> </td> <td>×</td> <td>:</td> <td></td> <td>×</td> <td>l</td> <td></td> <td></td> <td>x</td> <td></td> <td></td> <td>x</td> <td>x</td> <td></td> <td></td>	ons, Perfumes, Cosmetics,		×		×			×		x				×	:		×	l			x			x	x		
Enamels & Allied Productsxx			- •				ļ										,-										
Agricultural Chemicalsxx <th< td=""><td></td><td></td><td>x</td><td></td><td></td><td>×</td><td></td><td>x</td><td></td><td></td><td></td><td>×</td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td><u>, 8</u></td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td>×</td><td></td></th<>			x			×		x				×		×			×		<u>, 8</u>		×			×		×	
Misc. Chemical Productsxx <t< td=""><td>ural Chemicals</td><td></td><td></td><td>×</td><td>×</td><td></td><td>×</td><td></td><td></td><td></td><td></td><td>x</td><td></td><td>×</td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>x</td><td></td><td></td><td>×</td><td>x</td><td></td><td></td></t<>	ural Chemicals			×	×		×					x		×			x				x			×	x		
99Misc. Products of Petroleum & Coal 01xxx <th< td=""><td>emical Products</td><td></td><td>×</td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td></td><td></td><td>x</td><td></td><td>×</td><td></td><td></td><td>x</td><td></td><td></td><td></td><td>×</td><td></td><td></td><td>×</td><td></td><td>x</td><td></td></th<>	emical Products		×		×			×				x		×			x				×			×		x	
Misc. Products of Petroleum & Coal 01xx	Roofing Materials			×		: x		×				×			×		x			x			x			×	
Tires & Inner Tubesxxx<	ducts of Petroleum & Coal			×		×		×		x					×		×			×			×			x	
D3 Reclaimed RubberxxxxxxxxxxQ4 Rubber & Plastic Hose & BeltingxxxxxxxxxxRubber & Products, Fabricated Rubber Products, Not Elsewhere Classifiedxxxxxxxxxx07 Misc. Plastics Productsxxxxxxxxxx11 Leather Tanning & Finishingxxxxxxxxx22xxxxx	nner Tubes		×		×		×			×				x			x			×			×				×
04 Rubber & Plastic Hose & Belting Fabricated Rubber Products, Not Elsewhere Classifiedxxx<	Plastics Footwear		x			×		×		x				x	i		×			×			x				×
Rubber & Plastic Hose & Beltingxxx	d Rubber		x			x		x		×				x			x			×			×				x
Not Elsewhere Classifiedxx<	Plastic Hose & Belting		×			x		x		×				x			x			x	:		x			•	x
Misc. Plastics Productsxxxxxxxx11 Leather Tanning & Finishingxxxxxxxx22			×			×	ł	×		×				×			x			×			x			×.	
	; stics Products	×			×				×	×				×			x			×			×	·	x		•
	Fanning & Finishing			x		x				×			×			x				÷	×		×		2 10 10		×
	Glassware, Pressed or Blown		×		×			×				x		×			×				x		×				×
23 Glass Products, Made of Purchased Glass x x x x x x x x x x x x x x x	ducts, Made of Purchased																	e ,						:	•		

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

Criteria SIC Code Industry Title		ransportati odes Utiliz			/ater Outp lequirement			ent Grow Number o stablishme	f	Total Weighted Score
Assigned Weights	Н 7	M 4	L 1	Н 10	M 5	L 2	Н 12	M 8	L 2	
282										
Plastics Materials & Synthetic Resins,										
Synthetic Rubber, Synthetic & Other										66
Man-made Fibers, Except Glass			×			x	ļ	x	ļ	66
Drugs			×			x		x		69
284			~			n		~		
Soap, Detergents, & Cleaning										
Preparations, Perfumes, Cosmetics,										
& Other Toilet Preparations		x			x				×	63
285	[
Paints, Varnishes, Lacquers,									1	-
Enamels & Allied Products		x		×				×		60
287 Agricultural Chemicals										C 4
289		x]		x]		×	54
Misc. Chemical Products	×			×				x	l	66
295	^							~		
Paving & Roofing Materials	×			×				×		61
299	l l			l					ļ	
Misc. Products of Petroleum & Coal	×			x				x		67
301										
Tires & Inner Tubes	×			×				x		74
302										
Rubber & Plastics Footwear	×			×			{	x		66
303 Real-simple Bubbles										00
Reclaimed Rubber 304	x			x				x		66
Rubber & Plastic Hose & Belting	×			×				×		66
306				1 ^				^		00
Fabricated Rubber Products,	1								í	
Not Elsewhere Classified	×			×				×		69
307										
Misc, Plastics Products		×				x	x			79
311										
Leather Tanning & Finishing		x			x			x	Ì	66
322	1			1						
Glass & Glassware, Pressed or Blown	1	x		1	x		1	×	ł	58
323 Glass Bradwate, Maria of Burshaund							1			
Glass Products, Made of Purchased Glass	ł	~		ļ	~		ļ	~	Į	59
2000		×			x			x		09

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

		WEI	GHT	ED SC	CORES	OF C	AND	DA	LE IN	NDUS	TRI	ES B'	Y STA	AND	ARD	IND	UST	RIA	. co	DES						
Criteria	-	<u> </u>		Int	abor ensive vs.								latura Gas Inergy			ectric inergy		Tran	sport	ation					<u> </u>	
SIC Code		Grow	-	C	apital		Wage			/arke		c	utput	t	c)utpu	t	(Dutpu	nt	È E	xtern			xisti	-
Industry Title	Pro	ojecti	ons	Int	ensive	Ļ	Level	ls 		Serve	d	Req	uireme	ents	Requ	uirem	ents	Req	uiren	ents	ļLi	inkag	es		dustr	ies
Assigned Weights	H 12	M 6	L 1	С 9	L 6	н 10	M 5	L 2	R 8	N 5	٤ 2	Н 10	М 5	٤ 2	Н 10	M 5	L 2	L 8	м 5	н 2) н 10	M 5	L 2	M 10	A 5	F 2
324																										
Cement, Hydraulic 325			×	×		×			{		x		x			x				×		x				×
Structural Clay Products 326			×	·	×		x				×		x			×				x		×			्रं	
Pottery & Related Products	ļ		x		×		×			x			x			×				×		×			×	
327 Concrete, Gypsum, & Plaster Products	1	×		×			x				x		×			×				×		x		×		
329 Abrasive, Asbestos, & Misc.																										
Nonmetalic Mineral Products 332			x	×			x				x		×			×				×		×		ĺ	x	
Iron & Steel Foundries 334	1	x		×]	×)		×	1		×			×	×			×				×	
Secondary Smelting & Refining of Nonferrous Metals		x			×	×				×				x			×	×			×					x
335		^			^	Î				^				Ŷ			î	ļ^			Î					^
Rolling, Drawing & Extruding of Nonferrous Metals		×		×		×			×					×	}		x	×			×				×	
336 Nonferrous Foundries		×		×			x				×			×			x	×			×				x	
339							A																			
Misc. Primary Metal Products 341	Ì	x			×	×]		x			x]		x	×			×					x
Metal Cans & Shipping Containers 342			x	×		×					×			×		x		×			×					·· X .
Cutlery, Hand Tools, & General Hardware		x		×			×			×				x		×	•	×			×		•	×		
343		Ŷ		Î]	Ŷ			Ŷ				^]	^		Î			l^					
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures	{	x			×		x			x				x		x		x			×.			1	×	
344 Fabricated Structural Metal Products		x		x			×				×			×		x		×			x			x		
345									Ì																	
Screw Machine Products, & Bolts, Nuts, Screws, Rivets, & Washers			×	×			×				×			x		×		×			×		÷	. ·	· x	· •
346 Metal Forgings & Stampings	Į	×		×		×			×					×	ļ	x		×			×			×		
347 Coating, Engraving, & Allied Services		x		×				×	×					×		x		×			×		• .		×	

ነ ታ SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

Criterja SIC Code Industry Title		ansportatio odes Utilizi			ater Outpu equiremen		i i	cent Growt Number of tablishmer	•	Total Weighted Score
Assigned Weights	H 7	м 4	L 1	Н 10	M 5	L 2	Н 12	M 8	L 2	
324										
Cement, Hydraulic			x			x		x		52
325									1	
Structural Clay Products	{		×			×	ł	x		47
326 Pottery & Related Products							ĺ			59
327	×				x			x		59
Concrete, Gypsum, & Plaster Products			x			x	×		ł	64
329	ł		~			**	1		ł	
Abrasive, Asbestos, & Misc.										
Nonmetalic Mineral Products	×					x		x		56
332							[
Iron & Steel Foundries	1	x				×) ×		1	67
34										
Secondary Smelting & Refining of										
Nonferrous Metals 135	×					x		×		68
Rolling, Drawing & Extruding of	1						}		1	
Nonferrous Metals		x				×	1	×	1	74
336		^				^		^		74
Nonferrous Foundries			x			x	ļ	x	ļ	60
39			~			~]	~		00
Misc. Primary Metal Products		x				x		x		62
41										
Metal Cans & Shipping Containers	1		x			x	ļ .	x		60
42									1	
Cutlery, Hand Tools, & General										
Hardware		x				x			×	68
	1								1	
Heating Equipment, Except Electric & Warm Air, & Plumbing Fixtures										63
44			×			×		×		63
Fabricated Structural Metal Products			x			×			×	62
45	1		^			^			î l	02
Screw Machine Products, & Bolts,										
Nuts, Screws, Rivets, & Washers		x				x	×		1	65
46										
Metal Forgings & Stampings	}	x				x)	×		82
47										
Coating, Engraving, & Allied Services	1	x				x		x	1	69

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Criteria SIC Code Industry Title		irowt ojectio		Inte V Cat	bor Insive Is. Dital Insive		Wage Level:			Aarke Served		E 0	latura Gas inergy utpu uirem	/ t		ectric inergy Jutpu uirem	/ . t -		utpu	t	E:	ktern Nkag	-		xistin dustri	
	н	м	L	с	L	н	м	٤	R	N	ե	н	м	L	.н	м	L	L	м	н	н	м	Ŀ	м	A	F
Assigned Weights	12	6	1	9	6	10	5	2	8	5_	2	10	5	2	10	5	2	8	5	2	10	5	2	10	5	2
348																										
Ordinance & Accessories Except Vehicles & Guided Missiles		x		Ì	×		x		ļ		×			×		x		×		:	×					×
349 Misc. Fabricated Metal Products 351		x		×			x				×			×		x		×			×			×		
Engines & Turbines 352			x	×		×				x		×			×			Į	x				×		×	
Farm & Garden Machinery & Equipment 353		×		x		×			×			×			×				×				×	×		
Construction, Mining, & Materials Handling Machinery & Equipment 354	ļ	x		×		×				×		×			×				×				x	x		
Metalworking Machinery & Equipment 355	×			×		×					x	×			×				x				x	×		
Special Industrial Machinery, Except Metalworking Machinery		×		x		ĺ	x		×			×			×			Ì	×		 		x	×		
356 General Industrial Machinery & Equipment	×			×		×			×			x			×				×				x	×		
357 Office Computing, & Accounting Machines	×			×			×			x		×			×				x				x		×	
358 Refrigeration & Service Industry	Î			Î			Ŷ			Ŷ		Î	•		Î				Ŷ				^		Ŷ	
Machinery 359		×		×			x		l	×		×			×				x				x		×	
Misc. Machinery, Except Electrical 361 Electrical Transmission &		x		×			×		×			×			×				×				X	×		,
Distribution Equipment 362	×				×	ł	×			x		×			-		x			×			×		×	
Electrical Industrial Apparatus 363		x		×			x			x		×					×	ĺ		×	Ì		x		X	
Household Appliances 364 Electrical Lighting & Wiring		×		×			×			x		×					x	ļ		x	ļ		×.		×	
Equipment	1	x		×			×		×			×					x			×			×		X	÷.,

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART B

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Criteria								ent Growt		_ .
SIC Code Industry Title	Tr M	ansportati odes Utiliz	on ed		ater Outpu equiremen			Number of tablishmer		Total Weighted Score
Assigned Weights	н 7	M 4	L 1	н 10	M 5	L 2	Н 12	M 8	L 2	
348										
Ordinance & Accessories Except Vehicles & Guided Missiles			×	1		x		x		57
349 Misc. Fabricated Metal Products 351		×		[×	×			75
Engines & Turbines 352		x				×		×		71
Farm & Garden Machinery & Equipment			x			x		×		81
353 Construction, Mining, & Materials Handling Machinery & Equipment		×				×		×		81
354 Metalworking Machinery &										
Equipment 355 Special Industrial Machinery,		x				×		×	· · [84
Except Metalworking Machinery 356			×			×		×		76
General Industrial Machinery & Equipment 357		x				×		×		90
Office Computing, & Accounting Machines			×			×		×		74
358 Refrigeration & Service Industry										74
Machinery 359		×				x		×		71
Misc. Machinery, Except Electrical 361	×				×		×			89
Electrical Transmission & Distribution Equipment 362		×				×		x		63
Electrical Industrial Apparatus 363	}	×				×]	×		60
Household Appliances 364			x			x		x		57
Electrical Lighting & Wiring Equipment	×				×			x		69

SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

PART A

WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Criteria SIC Code Industry Title	Growth Projections	Labo Intens vs. Capit Intens	sive tal		Wage Levels		Mari Serv			Natur Gas Energ Dutpu juiren	lý it		ectric Energy Dutpu uirem	/ t	(sport Dutpu uirem	it .	E)	cterna nkage			cistin lustri		
Assigned Weights	H M L 12.611		Լ 6	H 10	M 5, 2		R N 5		н 10	M 5,	۲ 2	н 10	M 5	L 2	L 8	M 5	H 2	н 10	М 5	L 2	M 10	A 5	F 2	
365 Radio & Television Receiving	[[-	1		·			-										
Equipment, Except																								
Communication Types	x	[x		x		x		×					x			x			.		x		
366	^		<u></u>		^		^		1 î					^			^			×		^		
Communication Equipment	x	×		×			×		×					x				}		×		×		
367	^	^	1				^		1^					^			×			^		^		
Electrical Components & Accessories	x	×			×		,		×]		×]		×]		x		×		
369		1			~		•		l î			1		^	í		^					^		
Misc. Electrical Machinery						1.1			1											1				
Equipment & Supplies	x	×	1	x		×	•		×			1		x	Ι.		x			x		×		
371	~	^				^	•		1^			•		^			<u> </u>			^		<u>^</u>		
Motor Vehicles & Motor	1	ì				1			1			ł			1					1				
Vehicle Equipment	×	×		x		×	r		x			×			ł	x				'x	×			
372		1					•		^			1 ^				~								
Aircraft & Parts	×	x		x			x		×			x				x		i i		x			x	
374		1					-		1			^			ł	~				<u> </u>				
Railroad Equipment	×	ł	x	x			e		x			x			}	x		Į –		x			x	
375							-					1 ^				~		1		<u></u>			~	
Motorcycles, Bicycles & Parts	×		x	×			x		x			x				×		ľ		x			. x	
376	<u>^</u>		î l	^			^		^			1^				~				^				
Guided Missiles & Space												1												
Vehicles & Parts	×	ļ	x	x		×			×			x	•	·	ļ	x				x			x	
379						1	•		^			^			ľ	^				<u> </u>			^ .	
Misc. Transportation Equipment	×		x		x	×			×			x			[×		[×		×		
881		1	^		^	1^	•		1			l^				^				^		^		•
Engineering, Laboratory, Scientific,																								
& Research Instruments & Associated	ļ	l	1						Į –			[l			Į		{				
		1			~				1.						Í	~		Í		_ I		0		
Equipment	×	1	×		x		×		×				×			×				×		×		
382 Measuring & Controlling Instruments	l J												~			~				J		~		• •
Measuring & Controlling Instruments	×	×			x		x		×				x			x				×		×		
Optical Instruments & Lenses							,						~		ł	v		Į		U I			~	
	×	1	×		×	×	•		×			1	x		1	x				×			?	
384 Guardiant & Dantal		1										1			l		1	1						1. N. 1.
Surgical, Medical, & Dental	l					. 1			1.			1			1									÷.
Instruments & Supplies	x		×			<	×		×				×			x		l		×		×		
385		}																ł			•			1
Ophthalmic Goods	×	1	×			< ×			×			ł	x	1	ì	×		ì		×		Χ.		
	F	1							1			1			1			1						9 (A. 1

SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Criteria SIC Code Industry Title Assigned Weights		ansportati odes Utiliz			/ater Outp lequiremer			ent Growt Number of tablishmer	Total Weighted Score		
	Н 7	M 4	L 1	н 10	M 5	L 2	Н 12	M 8	L 2		
365		•									
Radio & Television Receiving	· ·								1		
Equipment, Except										6 0	
Communication Types 366	ļ		x	l		x	Į	x	[60	
Communication Equipment			×			x	1	×		68	
367			^			~	1	^		00	
Electrical Components & Accessories		x				x	1		×	63	
369		~				^			^		
Misc. Electrical Machinery				1			1				
Equipment & Supplies	×			×			x		Í	83	
371									}		
Motor Vehicles & Motor									}		
Vehicle Equipment	×				x	1	×			94	
372				l			ſ				
Aircraft & Parts		×		1		×]	x		73	
374							1		1		
Railroad Equipment		x				x		x		73	
375									Í	_	
Motorcycles, Bicycles & Parts		x				×		×		76	
376											
Guided Missiles & Space		-								70	
Vehicles & Parts 379			x			×		x	ļ	70	
Misc. Transportation Equipment	}		~			x				68	
381			×			~			×	00	
Engineering, Laboratory, Scientific,									l I		
& Research Instruments & Associated											
Equipment		x				x		x		63	
382						~			ſ	•••	
Measuring & Controlling Instruments		x				x		x	1	66	
383									1		
Optical Instruments & Lenses			×		•	×		×		60	
384							ļ		J		
Surgical, Medical, & Dental									1		
Instruments & Supplies			x			x		×)	60	
385	j		i						Í		
Ophthalmic Goods		ν'	x			x		x	1	60	

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SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES PART A

WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES
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Criteria					nsive								Gas			ectric		-								
SIC Code	G	irowt	h		s. pital		Wage			larke	ts		nergy lutpu			nergy lutpu		Trans	sporta Jutpu			xtern	al	E	xistir	าก
Industry Title		jectio		1 '	nsîve	L	Level		[Serve			uirem			uirem				ents		nkag			dustr	
Assigned Weights	н 12	M 6	L 1	C 9	L 6	н 10	M 5	L 2	R 8	N 5	L 2	н 10	M 5	L 2	н 10	M 5	L 2	L 8	M 5	Н 2	Н 10	M 5	L 2	м 10	A 5	F 2
386																							<u></u>			
Photographic Equipment & Supplies 387	×			×		×				Χ.		×				x			x				×			x
Watches, Clocks, Clockwork Operated Devices, & Parts		×			x			x			x	x				x			x		ĺ		×			x
391												}														
Jewelry, Silverware & Plated Ware			×		×			x	1	×				x			х.	×					×			x
Musical Instruments		x			×	{		x		×		ļ		×		;	×	×			}		x			×
394 Toys & Amusement, Sporting & Athletic Goods		×			x	ĺ		×		x				x			×	×					x		×	
395 Pens & Pencils, & Other Office & Artlists Materials		×			x			x	x					×			×	x					×		x	
396 Costume Jewelry, Costume Novelties, Buttons, & Misc. Notions, Except Previous Metals								ų								,	×						×			
Previous metals 399		x			X	ĺ		×	×					×			^	x					× .			×
Misc. Manufacturing Industries	1		x	1	x			x	x					х.			×	×					x	x		

(L)

^{a/}High, Medium, Low ^{b/}Capital, Labor ^{c/}Regional, National, Local ^{d/}Low, Medium, High ^{e/}Many, Average, Few

SCHEME NUMBER THREE WEIGHTED SCORES OF CANDIDATE INDUSTRIES BY STANDARD INDUSTRIAL CODES

Criteria SIC Code Industry Title Assigned Weights		ansportati odes Utiliz			ater Outpu equiremen			ent Growi Number o tablishmer	f	Total Weighted Score		
	H 7	M 4	L . 1	Н 10	M 5	L. 2	Н 12	M 8	L 2			
386												
Photographic Equipment & Supplies 387		×				×	×			78		
Watches, Clocks, Clockwork Operated Devices, & Parts			x	ļ		x	[x		51		
391 Jewelry, Silverware & Plated Ware		×			x			x		47		
393												
Musical Instruments 394		x			x			x		52		
Toys & Amusement, Sporting & Athletic Goods 395		x			×			×		55		
Pens & Pencils, & Other Office & Artists Materials 396		×			x			×		58		
Costume Jewelry, Costume Novelties, Buttons, & Misc. Notions, Except												
Previous Metals 399		x			x			x		55		
Misc. Manufacturing Industries		×			x				x	52		

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