

Input-Output Scenario

21 Industries in Oklahoma

Emsi Q1 2021 Data Set

March 2021

Southwestern Oklahoma State University



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Weatherford, Oklahoma 73096
580.772.6611

Parameters

Regions:

Code	Description
40	Oklahoma

Industry Scenario:

Code	Description	Change Type	Change Value
115113	Crop Harvesting, Primarily by Machine	Jobs	3
236115	New Single-Family Housing Construction (except For-Sale Builders)	Jobs	3
311811	Retail Bakeries	Jobs	8
323113	Commercial Screen Printing	Jobs	1
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing	Jobs	77
423690	Other Electronic Parts and Equipment Merchant Wholesalers	Jobs	13
442110	Furniture Stores	Jobs	3
442210	Floor Covering Stores	Jobs	6
444130	Hardware Stores	Jobs	4
445120	Convenience Stores	Jobs	2
445310	Beer, Wine, and Liquor Stores	Jobs	3
453310	Used Merchandise Stores	Jobs	2
484110	General Freight Trucking, Local	Jobs	5
484220	Specialized Freight (except Used Goods) Trucking, Local	Jobs	2
562991	Septic Tank and Related Services	Jobs	8
621111	Offices of Physicians (except Mental Health Specialists)	Jobs	20
621330	Offices of Mental Health Practitioners (except Physicians)	Jobs	5
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	Jobs	7
722515	Snack and Nonalcoholic Beverage Bars	Jobs	3
812112	Beauty Salons	Jobs	1
903622	Hospitals (Local Government)	Jobs	5





















Model Type: Type Emsi

Input-Output Year: 2020

























Aggregate Changes using Type Emsi Model

<p>\$18,579,693</p> <p>Change in Earnings</p> <p>1.69 Multiplier</p>	<p>348</p> <p>Change in Jobs</p> <p>1.92 Multiplier</p>	<p>\$1,221,397</p> <p>Change in Taxes on Production and Imports (TPI)</p>
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Scenario Results - Industry

NAICS	Industry	Change in Jobs
11	Agriculture, Forestry, Fishing and Hunting	3 
21	Mining, Quarrying, and Oil and Gas Extraction	0 
22	Utilities	1 
23	Construction	9 
31	Manufacturing	91 
42	Wholesale Trade	18 
44	Retail Trade	34 
48	Transportation and Warehousing	16 
51	Information	3 
52	Finance and Insurance	10 
53	Real Estate and Rental and Leasing	11 
54	Professional, Scientific, and Technical Services	13 
55	Management of Companies and Enterprises	5 
56	Administrative and Support and Waste Management and Remediation Services	25 
61	Educational Services	3 
62	Health Care and Social Assistance	55 
71	Arts, Entertainment, and Recreation	4 
72	Accommodation and Food Services	21 
81	Other Services (except Public Administration)	15 
90	Government	10 

Scenario Results - Occupation

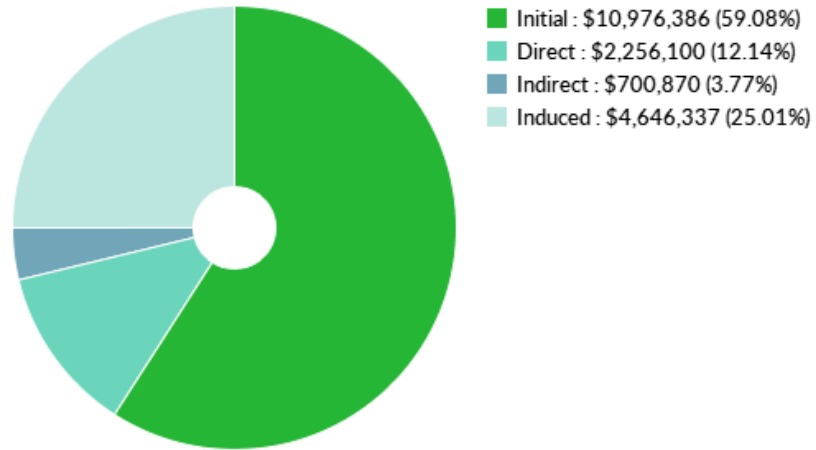
SOC	Occupation	Change in Jobs	
11-0000	Management Occupations	22	
13-0000	Business and Financial Operations Occupations	14	
15-0000	Computer and Mathematical Occupations	4	
17-0000	Architecture and Engineering Occupations	4	
19-0000	Life, Physical, and Social Science Occupations	3	
21-0000	Community and Social Service Occupations	4	
23-0000	Legal Occupations	2	
25-0000	Educational Instruction and Library Occupations	4	
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	7	
29-0000	Healthcare Practitioners and Technical Occupations	26	
31-0000	Healthcare Support Occupations	14	
33-0000	Protective Service Occupations	2	
35-0000	Food Preparation and Serving Related Occupations	20	
37-0000	Building and Grounds Cleaning and Maintenance Occupations	9	
39-0000	Personal Care and Service Occupations	10	
41-0000	Sales and Related Occupations	45	
43-0000	Office and Administrative Support Occupations	42	
45-0000	Farming, Fishing, and Forestry Occupations	1	
47-0000	Construction and Extraction Occupations	12	
49-0000	Installation, Maintenance, and Repair Occupations	12	
51-0000	Production Occupations	57	
53-0000	Transportation and Material Moving Occupations	32	
55-0000	Military-only occupations	0	
99-0000	Unclassified Occupation	1	

Scenario Results - Demographics

Demographics	Change in Jobs
Female 14-18	4 
Male 14-18	3 
Female 19-21	7 
Male 19-21	7 
Female 22-24	9 
Male 22-24	8 
Female 25-34	32 
Male 25-34	36 
Female 35-44	35 
Male 35-44	39 
Female 45-54	29 
Male 45-54	38 
Female 55-64	28 
Male 55-64	38 
Female 65-99	13 
Male 65-99	22 

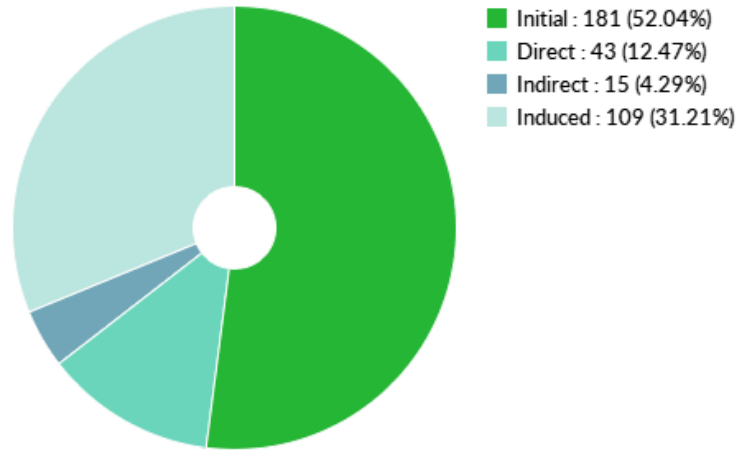
Aggregate Effect on Earnings

\$11.0M Initial 1.00 Multiplier	\$2.3M Direct 0.21 Multiplier	\$700,870 Indirect 0.06 Multiplier	\$4.6M Induced 0.42 Multiplier
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Aggregate Effect on Jobs

<p>181</p> <p>Initial</p> <p>1.00 Multiplier</p>	<p>43</p> <p>Direct</p> <p>0.24 Multiplier</p>	<p>15</p> <p>Indirect</p> <p>0.08 Multiplier</p>	<p>109</p> <p>Induced</p> <p>0.60 Multiplier</p>
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Aggregate Effect on Taxes on Production and Imports

<p>\$536,767</p> <p>Local</p>	<p>\$463,008</p> <p>State</p>	<p>\$221,621</p> <p>Federal</p>
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Appendix A - Data Sources and Calculations

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

State Data Sources

This report uses state data from the following agencies: Oklahoma Employment Security Commission