

# Impact Scenario

New Housing For-Sale Builders in 8 Counties

Lightcast Q1 2023 Data Set

March 2023

West Central Wisconsin Regional Planning Commission



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# Parameters

Input-Output Year: 2022

Regions:

Code	Description	Code	Description
27003	Anoka County, MN	27163	Washington County, MN
27037	Dakota County, MN	55033	Dunn County, WI
27053	Hennepin County, MN	55093	Pierce County, WI
27123	Ramsey County, MN	55109	St. Croix County, WI

Industry Scenario:





















Code	Description	Change Type	Change Value
236117	New Housing For-Sale Builders	Sales	\$50,000,000.00

Model Type: Type Lightcast

























## Changes to New Housing For-Sale Builders using Type Lightcast Model

<p>\$37,288,241</p> <p>Change in Earnings</p> <p>1.80 Multiplier</p>	<p>371</p> <p>Change in Jobs</p> <p>2.61 Multiplier</p>	<p>\$2,490,770</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	1 
21	Mining, Quarrying, and Oil and Gas Extraction	1 
22	Utilities	1 
23	Construction	149 
31	Manufacturing	16 
42	Wholesale Trade	9 
44	Retail Trade	27 
48	Transportation and Warehousing	13 
51	Information	4 
52	Finance and Insurance	13 
53	Real Estate and Rental and Leasing	13 
54	Professional, Scientific, and Technical Services	21 
55	Management of Companies and Enterprises	4 
56	Administrative and Support and Waste Management and Remediation Services	15 
61	Educational Services	7 
62	Health Care and Social Assistance	32 
71	Arts, Entertainment, and Recreation	6 
72	Accommodation and Food Services	17 
81	Other Services (except Public Administration)	15 
90	Government	8 

## Scenario Results - Occupation

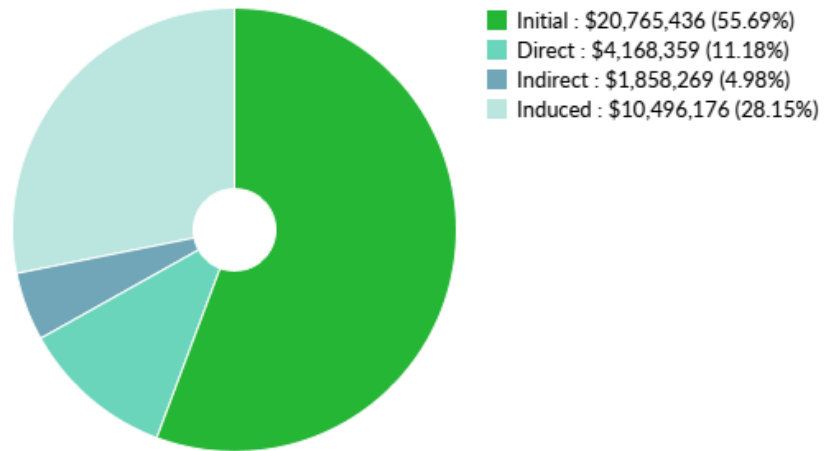
SOC	Occupation	Change in Jobs
11-0000	Management Occupations	36 
13-0000	Business and Financial Operations Occupations	26 
15-0000	Computer and Mathematical Occupations	7 
17-0000	Architecture and Engineering Occupations	6 
19-0000	Life, Physical, and Social Science Occupations	2 
21-0000	Community and Social Service Occupations	3 
23-0000	Legal Occupations	2 
25-0000	Educational Instruction and Library Occupations	7 
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	9 
29-0000	Healthcare Practitioners and Technical Occupations	13 
31-0000	Healthcare Support Occupations	11 
33-0000	Protective Service Occupations	2 
35-0000	Food Preparation and Serving Related Occupations	17 
37-0000	Building and Grounds Cleaning and Maintenance Occupations	10 
39-0000	Personal Care and Service Occupations	8 
41-0000	Sales and Related Occupations	38 
43-0000	Office and Administrative Support Occupations	36 
45-0000	Farming, Fishing, and Forestry Occupations	0 
47-0000	Construction and Extraction Occupations	96 
49-0000	Installation, Maintenance, and Repair Occupations	9 
51-0000	Production Occupations	12 
53-0000	Transportation and Material Moving Occupations	21 
55-0000	Military-only occupations	0 
99-0000	Unclassified Occupation	0 

## Scenario Results - Demographics

Demographics	Change in Jobs
Female 14-18	5 
Male 14-18	8 
Female 19-21	7 
Male 19-21	13 
Female 22-24	8 
Male 22-24	12 
Female 25-34	29 
Male 25-34	45 
Female 35-44	32 
Male 35-44	50 
Female 45-54	29 
Male 45-54	41 
Female 55-64	24 
Male 55-64	38 
Female 65-99	11 
Male 65-99	19 

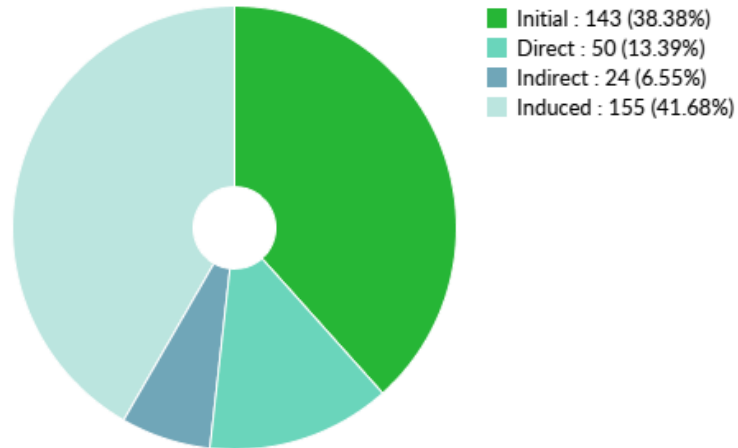
# Effect on earnings from adding \$50,000,000 in sales to New Housing For-Sale Builders

<p>\$20.8M</p> <p>Initial</p> <p>1.00 Multiplier</p>	<p>\$4.2M</p> <p>Direct</p> <p>0.20 Multiplier</p>	<p>\$1.9M</p> <p>Indirect</p> <p>0.09 Multiplier</p>	<p>\$10.5M</p> <p>Induced</p> <p>0.51 Multiplier</p>
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## Effect on jobs from adding \$50,000,000 in sales to New Housing For-Sale Builders

<p>143</p> <p>Initial</p> <p>1.00 Multiplier</p>	<p>50</p> <p>Direct</p> <p>0.35 Multiplier</p>	<p>24</p> <p>Indirect</p> <p>0.17 Multiplier</p>	<p>155</p> <p>Induced</p> <p>1.09 Multiplier</p>
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## Effect on taxes on production and imports from adding \$50,000,000 in sales to New Housing For-Sale Builders

<p>\$1.1M</p> <p>Local</p>	<p>\$907,089</p> <p>State</p>	<p>\$495,761</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: Minnesota Department of Employment and Economic Development; Wisconsin Department of Workforce Development