

From: Cody Honeywell <cody@mayadam.net>
Sent: Wednesday, March 1, 2023 4:51:52 PM
To: Brusven, Christina <CBrusven@fredlaw.com>
Subject: FW: HP22-001 - SCS Responses to GPLDC Interrogatories

CAUTION: EXTERNAL E-MAIL

Christy,

Here is the first set of answers we produced to GPLDC.

Cody Honeywell

From: Cody Honeywell
Sent: Wednesday, October 5, 2022 5:16 PM
To: May Va Lor <mlor@liuna.org>
Cc: Brett Koenecke <brett@mayadam.net>
Subject: HP22-001 - SCS Responses to GPLDC Interrogatories

May Va Lor,

Please see the attached responses from SCS Carbon Transport LLC in HP22-001. Please let me know if you have any questions. Thanks.

Cody Honeywell



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EXHIBIT A-63

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF
SOUTH DAKOTA**

In the Matter of the Application by SCS Carbon Transport LLC for a Permit to Construct a Carbon Dioxide Transmission Pipeline	Docket No. HP22-001 SCS Carbon Solutions, LLC's Responses to Interrogatories of the Great Plains Laborers' District Council
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SCS Carbon Transport, LLC ("SCS") submits the following responses to the Interrogatories of Great Plains Laborers' District Council concerning the economic impact of the Summit Carbon Solutions, LLC ("Summit") pipeline project:

INTERROGATORY NO. 1: Please state the name of each person answering these interrogatories and include for each person their name, address and contact information.

Response:

James Powell, Chief Operating Officer;
Aaron Hood, Chief Financial Officer
2321 North Loop Drive, Suite 221
Ames, IA 500510
Phone: 515-531-2635

INTERROGATORY NO. 2: Please provide copies of all responses to Interrogatories and Requests for Production of Documents made by other parties. Please provide the responses in the same form as provided to the original requesting party. Please also provide supplemental responses to this request through the course of the proceeding.

Response:

Please see the attached documents.

INTERROGATORY NO. 3: Please refer to the Ernst & Young report, "Economic Contributions of Summit Carbon Solutions," filed with the Supplemental Testimony of James Powell.

- a. **How does the IMPLAN analysis differentiate between the economic impact of wages and benefits earned by local construction workers that live in the state or affected pipeline counties and construction workers that live out-of-state or outside the affected pipeline counties?**

Response:

The IMPLAN model accounts for the economic impact of workers who work in the state but do not live there by applying an in-commuting rate. The in-commuting rate represents how many people work in the area and go home to another region, it varies by region but not industry. The underlying in-commuting rate being applied in IMPLAN for South Dakota is 4.1%. The applied rate just for the pipeline counties is 5.7%.¹ EY did not make any adjustments to these rates in the analysis.

The share of employee compensation that is earned in the region from in-commuters is treated as leakage. That is, employee compensation is still attributed to direct employee compensation in the region, but it does not generate any indirect or induced effect. However, since a Multi-Regional Input-Output (MRIO) model was used in this analysis, any commuter flows into the linked regions will be accounted for in the workers' home region as an indirect and induced effect. Note that proprietor income is always assumed to be local (i.e., no commuting rate applied).

It should also be noted that the EY report includes jobs and economic impacts related to both the pipeline and each capture facility located in South Dakota.

Sources: <https://support.implan.com/hc/en-us/articles/360015521273-Estimating-Employee-Compensation-Adjustments-for-Known-Commuting-Rates>
<https://support.implan.com/hc/en-us/articles/360039775053-How-Commuter-Employee-Compensation-is-Estimated>

b. Does the IMPLAN analysis assume a certain number of construction workers are residents of South Dakota or residents of the affected pipeline counties? If yes, please detail the percentage of construction workers who are residents of South Dakota, and what percentage of construction workers who are residents of the affected pipeline counties.

Response:

Yes, IMPLAN assumes a certain number of workers are residents of South Dakota, as detailed in response to question 3a. Please see the table below for the economy-wide count of all construction workers by state, construction workers in the non-residential construction sector, and the construction workers supported by Summit's project. For all states, the Summit construction jobs account for less than 2.5% of statewide construction employment. The greatest is South Dakota (2.37%) followed by North Dakota (1.65%) and Nebraska (0.86%).

¹ IMPLAN's estimates of in-commuting rates are derived from the US Census Bureau's Journey-to-Work dataset, which provides data on commuting flows across counties, as well as BEA's REA data on earnings flows and internal IMPLAN adjustments.

State	Annual construction jobs supported by Summit		State-wide total (all construction types) [B]	Summit share of statewide construction employment [A/B]
	Total	In state [A]		
Iowa	968	895	125,227	0.72%
Minnesota	745	718	198,655	0.36%
Nebraska	757	707	82,029	0.86%
North Dakota	782	667	40,442	1.65%
South Dakota	945	906	38,234	2.37%

- c. Does the IMPLAN model account for changes in output based upon variations of local hiring, state hiring, or lack thereof, for construction activities?

Response:

No, it does not.

INTERROGATORY NO. 4: Please refer to the Ernst & Young report, “Economic Contributions of Summit Carbon Solutions,” filed with the Supplemental Testimony of James Powell. According to the Ernst & Young report, the capital expenditures in South Dakota will support 1,613 annual jobs supported through Summit’s suppliers and contractors.

- a. Please detail separately the number of annual jobs supported by construction contractors and the number of annual jobs supported by suppliers.

Response:

1,008 annual jobs in South Dakota will be supported by Summit contractors, and 605 will be supported by suppliers.

South Dakota	Annual jobs
Summit Employees (Direct)	-
Suppliers + Contractors (Indirect)	1,613
Contractors	1,008
Suppliers	605
Induced	708
Total	2,321

- b. Please provide a definition of “annual jobs,” and detail the number of hours an annual job supports (e.g. 2080 hours).

Response:

Employment in IMPLAN is an Industry-specific mix of full-time, part-time, and seasonal employment. It is an average that accounts for seasonality and follows the same definition used by the BLS and BEA. One annual job in IMPLAN is approximately equal to .97 FTEs, where an FTE works 2080 hours. The .97 ratio is an average across all industries.

Source: <https://support.implan.com/hc/en-us/articles/115009668668-Employment>

- c. Please provide a description of the methodology, including all inputs and assumptions, to calculate the number of indirect jobs supported by Summit suppliers and contractors.**

Response:

Indirect effects are the business-to-business purchases in the supply chain taking place in the region that stem from the initial industry input purchases. As the industry specified spends its money in the region with its suppliers, this spending is shown through the indirect effect.

Indirect economic contributions were estimated based on the IMPLAN Multi-Regional Input-Output (MRIO) models of the five states, divided into regions based on counties in which pipeline construction occurred and did not occur, as well as a region representing all other states in the United States. These models assume constant relationships and identify the location of suppliers based on average industry relationships and economic data.

Source:

<https://blog.implan.com/understanding-implan-effects>

<https://support.implan.com/hc/en-us/articles/115009713448-MRIO-Introduction-to-Multi-Regional-Input-Output-Analysis>

- d. Please provide a breakdown of job-years and wages by IMPLAN 546 Industry Scheme for each state.**

Response:

Please see the attached Excel workbook (Tab: Table 1 Employment by Industry) for total employment by state and industry for the capital expenditure phase of the project. Please see the tab Table 2. Average Income for average wages by industry.

INTERROGATORY NO. 5: Please refer to the Ernst & Young report, “Economic Contributions of Summit Carbon Solutions,” filed with the Supplemental Testimony of James Powell. According to the Ernst & Young report, the capital expenditures in South Dakota will support 708 jobs and labor income of \$117 million through induced contributions.

- a. Please provide a description of the methodology, including all inputs and assumptions, to calculate the number of jobs and economic contributions supported by induced contributions.**

Response:

Induced effects are the effects coming from household spending of Labor Income, after removal of taxes, savings, and commuter income. The induced effects are generated by the spending of the employees within the business ‘supply chain.

The methodology, assumptions, and inputs described in question 4c were used to calculate the number of jobs and economic contributions supported by induced contributions.

Source: <https://blog.implan.com/understanding-implan-effects>

- b. Are induced economic impacts based on industry-specific multipliers? If yes, please provide a description of the multiplier, and the multiplier rate.**

Response:

Yes, induced economic impacts are based on industry-specific multipliers. The tab labeled “Table 3. SD Multipliers” in the accompanying Excel workbook displays the IMPLAN employment multipliers for South Dakota. The table shows the overall multipliers from the EY analysis, which may slightly vary from raw IMPLAN multipliers for South Dakota as the EY analysis used the MRIO method.

South Dakota	Worker years	Average annual jobs	Employment multiplier
Summit Employees (Direct)	-	-	
Suppliers + Contractors (Indirect)	4,839	1,613	
Contractors*	3,024	1,008	1.0
Suppliers	1,815	605	0.6
Induced	2,125	708	0.7

Total **6,963** **2,321** **2.3**

* Summit's total capital investment in South Dakota was used as an input to the IMPLAN model, resulting in an estimated 1,008 "direct" annual jobs in South Dakota. In the report, EY attributed these jobs as an "indirect" impact on the South Dakota economy since they are considered Summit's contractors' employees rather than Summit's direct employees.

c. How do annual and full-project earnings estimates for the capital phase include the value of fringe benefits provided to construction workers?

Response:

The estimates for the capital phase include the value of fringe benefits (including other payroll tax) as a component of employee compensation. On average, IMPLAN estimates that each dollar of employee compensation contains 81 cents of wage and salary income and 18 cents of non-wage income (fringe benefits and payroll tax), though the actual ratio varies by industry. The assumption varies by industry. Please see "Table 2. Average Income" tab of the Excel file.

d. Please provide a breakdown for wage and non-wage components of compensation.

Response:

Please see the attached spreadsheet (Tab: Table 2. Average Income) for the breakdown by industry of wage and non-wage components of compensation for the states included in the analysis. Labor income is comprised of the sum of employee compensation and proprietor income. Employee compensation is comprised of wages and salaries plus non-wage income. The non-wage components include all benefits (e.g., health, retirement) and payroll taxes (Social Security, unemployment insurance taxes, etc.). Proprietors' income includes payments received by self-employed individuals and unincorporated business owners (i.e., sole proprietorships and partnerships).

INTERROGATORY NO. 6: Please refer to the Ernst & Young report, "Economic Contributions of Summit Carbon Solutions," filed with the Supplemental Testimony of James Powell. According to the Ernst & Young report, the capital expenditures in South Dakota will support labor income of \$323 million for Summit contractors and suppliers.

a. Please detail separately labor income supported by construction contractors and labor income supported by suppliers.

Response:

Please see the breakdown below.

South Dakota	Worker years	Average annual jobs	Labor income (\$ millions)
Summit Employees (Direct)	-	-	
Suppliers + Contractors (Indirect)	4,839	1,613	\$322.9
Contractors*	3,024	1,008	\$198.0
Suppliers	1,815	605	\$124.9
Induced	2,125	708	\$117.0
Total	6,963	2,321	\$439.9

* Summit's total capital investment in South Dakota was used as an input to the IMPLAN model, resulting in an estimated 1,008 "direct" annual jobs in South Dakota with "direct" labor income of \$198 million. In the report, EY attributed these jobs and income as an "indirect" impact on the South Dakota economy since these impacts are from summit's contractors' employees rather than the Summit's direct employees.

b. Please provide a description of the methodology, including all inputs and assumptions, to calculate labor income supported by Summit suppliers and contractors.

Response:

Summit's capital investment in South Dakota was used as an input to the IMPLAN MRIO model. This resulted in an annual estimated 1,008 "direct" jobs, 605 "indirect" jobs and 708 "induced" jobs based on the underlying multipliers in the IMPLAN model (See response to question 5b). Labor income for Summit's suppliers and contractors was calculated within the IMPLAN model using the inputs and assumptions described in the earlier questions. Please see the attached spreadsheet (Tab: Table 2. Average Income) for average wage and salary being used in the IMPLAN model by industry.

c. Please provide a breakdown for wage and non-wage components used to calculate labor income.

Response:

Please see the attached spreadsheet (Tab: Table 2. Average Income) and the explanation in question 5d.

d. Does the model use a blended wage rate? If yes, what is the methodology for determining the rate?

Response:

The IMPLAN model applies different wage rates to workers by industry and region.

Please see the attached spreadsheet (Tab: Table 2. Average Income) for average wage and salary calculations by industry and state. Also, please see the response to question F below.

e. Does the analysis account for overtime? If yes, please provide a description of the overtime assumptions.

Response:

The analysis does not account for overtime payments.

f. Please provide copies of any wage surveys, Bureau of Labor Statistics data, and any other document relied upon to determine underlying wage and benefit rates.

Response:

The Bureau of Labor Statistics' (BLS) Census of Employment and Wages (CEW) data serve as the source for Wage and Salary Employment and Income estimates for most IMPLAN sectors. The CEW data do not fully cover some industries, in which cases IMPLAN turns to other data sources.

Fully disclosed annual employment and income data is available at the U.S., state, and county level based on the Bureau of Labor Statistics Census of Employment and Wages (CEW) series (formerly known as ES202). State employment services departments, as part of the Unemployment Insurance Program, collect the base data and pass it to the U.S. Department of Labor.

There are no missing data elements in the IMPLAN CEW data series. The elements non-disclosed by the BLS have been estimated through a procedure developed by IMPLAN. This data is provided at the full NAICS code level of detail (dependent upon the year of the data). The CEW dataset provides annual average wage and salary establishment counts, employment counts, and wage and salary workers data by county at the 6-digit NAICS code level.

Source: <https://support.implan.com/hc/en-us/articles/115009679608-CEW-Data-Details>

INTERROGATORY NO. 7: Please refer to the Ernst & Young report, "Economic Contributions of Summit Carbon Solutions," filed with the Supplemental Testimony of James Powell. How is Summit's profit margin reflected in the IMPLAN model?

Response:

The IMPLAN model does not explicitly consider Summit's profit margin.

INTERROGATORY NO. 8: Please refer to Table 5.5.5 – Economic and property tax contributions by county, South Dakota – on page 52 of the Ernst & Young report, “Economic Contributions of Summit Carbon Solutions,” filed with the Supplemental Testimony of James Powell. Please detail by county the number of annual jobs and labor income supported by Summit’s construction contractors.

Response:

Please see the attached spreadsheet (Tab: Table 4. County Impacts).

INTERROGATORY NO. 9: Please refer to Table 4.1– Tax contributions due to Summit Project construction by tax type - on page 25 of the Ernst & Young report, “Economic Contributions of Summit Carbon Solutions,” filed with the Supplemental Testimony of James Powell. Please separate out total tax contributions supported by Summit’s construction contractors for each individual tax category.

Response:

Please see the breakdown below just for the construction contractors.

US total tax impact- Construction contractors (\$ millions)

Tax category	Federal	State and local	Total
Individual income	\$61	\$14	\$75
Corporate income	\$12	\$2	\$14
Sales	-	\$23	\$23
Property	-	-	-
Excise	-	\$8	\$8
Other	-	\$17	\$17
Total taxes	\$73	\$64	\$137

INTERROGATORY NO. 10: Please refer to Table 4.2– Tax contributions due to Summit Project construction by state - on page 25 of the Ernst & Young report, “Economic Contributions of Summit Carbon Solutions,” filed with the Supplemental Testimony of James Powell.

- a. Please separate out total tax contributions supported by Summit’s construction contractors or construction activity for each individual state**

Response:

Please see the breakdown below just for the construction contractors.

US total tax impact- Construction contractors (\$ millions)

State	Federal	State and local	Total
Iowa	\$16	\$14	\$30
Minnesota	\$11	\$10	\$21
Nebraska	\$12	\$9	\$21
North Dakota	\$18	\$22	\$40
South Dakota	\$16	\$9	\$25
Total taxes	\$73	\$64	\$137

b. Does the IMPLAN model include payroll taxes? If yes, please separate out payroll tax contributions supported by Summit’s construction contractors or construction activity for each individual state.

Response:

The IMPLAN model includes payroll taxes as part of employee compensation.

Source: <https://support.implan.com/hc/en-us/articles/360024509374-Understanding-Labor-Income-LI-Employee-Compensation-EC-and-Proprietor-Income-PI->

INTERROGATORY NO. 11: Please refer to Table 4.2– Tax contributions due to Summit Project construction by state - on page 25 of the Ernst & Young report, “Economic Contributions of Summit Carbon Solutions,” filed with the Supplemental Testimony of James Powell. Please separate out total tax contributions supported by Summit’s construction contractors or construction activities for each individual state.

Response:

See the response to Interrogatory No. 10.

INTERROGATORY NO. 12: As required by S.D. Admin. R. 20:10:22:24, please detail the estimated number of jobs created by job classification, and provide a description of job classifications supported by the applicant, contractors, and subcontractors during the construction phase of the proposed facility.

Response:

See Column B for descriptions and Column O for number of jobs in the attached Excel file.

INTERROGATORY NO. 13: As required by S.D. Admin. R. 20:10:22:24, please detail the applicant’s plans to use and train the available labor force in South Dakota by categories of special skills required.

Response:

As discussed earlier, the workforce necessary to execute the proposed project is varied. Summit has begun outreach and will consider reasonable bids by South Dakota-based companies able to perform the necessary work. This outreach effort extends to Native American- and Tribally-owned businesses and individuals. Similarly, Summit will encourage prime contractors to take the same approach as they consider their sub-contractors and employees for work in South Dakota.

From a training perspective, Summit is exploring opportunities to fund trade school programs to bolster the opportunities for South Dakotans relative to the proposed project.

INTERROGATORY NO. 14: As required by S.D. Admin. R. 20:10:22:24, please provide the applicant's assessment of the adequacy of local manpower to meet construction labor requirements, and the estimated percentage of labor that will remain within the state after construction is complete.

Response:

See response to Interrogatory No. 3. The IMPLAN model estimates approximately 96% of the workers in SD will come from within the state and approximately 94% for the counties through which the Summit project will be constructed/operate. The IMPLAN model is an estimate which assumes construction broadly.

INTERROGATORY NO. 15: Please describe the training, certifications, and any operator qualifications required for construction labor employed on the project.

Response:

As discussed earlier, the workforce necessary to execute the proposed project is varied. The training and certifications necessary to conduct the work will be commensurate with other pipeline projects that have been constructed in South Dakota.

INTERROGATORY NO. 16: Please detail efforts by the applicant to hire construction personnel from the affected pipeline counties and from South Dakota.

Response:

See response to Interrogatory 13.

INTERROGATORY NO. 17: Please identify any local, state, or federal incentives Summit intends to use during the construction and operation of the proposed project and sequestration.

Response:

The partner ethanol plants will qualify for incentives from states with low carbon fuel markets that compensate producers of low carbon intensity fuels. The project will also qualify for Section 45Q tax credits from the federal government.

- a. Provide an estimate of the dollar value of those incentives on an annual basis as well as per metric ton for any 45Q tax credits.**

Response:

The price for low carbon fuel market credits shifts based on demand and has varied in the last few years from approximately \$200 per ton to \$50 per ton. These incentives will be treated as income that will be offset by operating expenses. Summit estimates that only a portion of the CO₂ captured and sequestered will be monetized via state incentives.

The project will qualify for the Section 45Q tax credit, which provides \$85 per ton of CO₂ captured and permanently stored. A portion of this value will be shared with ethanol plant partners. Summit estimates the dollar value per year of Section 45Q tax credits to be approximately \$585 million per year.

- b. Provide a detailed description of how Summit intends to meet the recently enacted apprenticeship requirements under Section 45Q.**

Response:

The specific 45Q apprenticeship requirements have not yet been published. Summit will develop plans to demonstrate compliance once they are promulgated.

INTERROGATORY NO. 18: Please identify any contracts that have been awarded for engineering and construction related activities for the project. If contracts have not been awarded, please provide a timeline for when contracts will be awarded, and when construction activities are scheduled to commence.

Response:

Summit maintains a website providing the names of its contracting partners, which is updated regularly. See <https://summitcarbonsolutions.com/contractor-partners/>.

INTERROGATORY NO. 19: For all companies who have been awarded an engineering or construction related contract, please identify all companies who have existing mechanic's liens on landowner properties related to pipeline work on projects that were built within the last five years.

Response:

SCS is unaware of any such companies at this time.

INTERROGATORY NO. 20: Please provide copies of all documents in the applicant's possession that detail the prequalification process by which outside construction contractors are selected to bid on engineering and construction activities for the project.

Response:

Applicant objections to this Interrogatory because it seeks the disclosure of proprietary or confidential business information or information subject to trade-secret protections. Applicant further objects to this Interrogatory because it seeks irrelevant information and is not reasonably calculated to result in the production of admissible evidence.

Without waiving objections, any company who bids on the Project will be informed of these requirements.

INTERROGATORY NO. 21: Please provide copies of any documents in the applicant's possession used to assess the qualification of construction and engineering contractors, and to compare contractors as it relates to the contractor's capacity to meet all safety, regulatory, engineering, environmental, legal, manpower, and financial requirements.

Response:

Applicant objections to this Interrogatory because it seeks the disclosure of proprietary or confidential business information or information subject to trade-secret protections. Applicant further objects to this Interrogatory because it seeks irrelevant information and is not reasonably calculated to result in the production of admissible evidence.

Without waiving objections, any company who bids on the Project will be informed of these requirements.

[Continued on Next Page]

INTERROGATORY NO. 22: *Please detail any minimum bonding, insurance, and financial requirements, and safety metrics required by the applicant for any construction and engineering contractors employed on the project.*

Response:

Applicant objections to this Interrogatory because it seeks the disclosure of proprietary or confidential business information or information subject to trade-secret protections. Applicant further objects to this Interrogatory because it seeks irrelevant information and is not reasonably calculated to result in the production of admissible evidence.

Without waiving objections, any company who bids on the Project will be informed of these requirements.

/s/ James Powell
James Powell

CERTIFICATE OF SERVICE

Cody L. Honeywell of May, Adam, Gerdes & Thompson LLP hereby certifies that on the 5th day of October, 2022, he served electronically served through electronic mail a true and correct copy of the foregoing in the above-captioned matter to the following at their last known address, to-wit:

May Va Lor
Representative, Great Plains Laborers' District Council
mlor@liuna.org

/s/ Cody L. Honeywell
CODY L. HONEYWELL

BEFORE THE PUBLIC UTILITIES COMMISSION

OF THE STATE OF SOUTH DAKOTA

IN THE MATTER OF THE
APPLICATION BY SCS TRANSPORT
LLC FOR A PERMIT TO CONSTRUCT A
CARBON DIOXIDE TRANSMISSION
PIPELINE

SDTA FIRST DISCOVERY REQUEST

Docket No. HP22-001

**DISCOVERY REQUESTS OF SOUTH DAKOTA TELECOMMUNICATIONS
ASSOCIATION (SDTA) TO SCS TRANSPORT, LLC**

The South Dakota Telecommunications Association (“SDTA”) hereby serves its Discovery Requests on SCS Transport, LLC (“SCS”). Unless otherwise noted in a specific request, the Discovery Requests are directed to SCS specifically, and its responses should be provided, as appropriate.

You are requested and required to answer fully and under oath, pursuant to S.D. Admin. R. 20:10:01:22.01, each of the following Discovery Requests and serve a copy of your answers and responses thereto upon Kara Semmler, General Counsel for SDTA, on or before July 3, 2022. Please be advised that your answers must include all information available not only to you, but to your agents, officers, representatives, employees, attorneys, insurers, or others who have information available to you upon inquiry to them.

DEFINITIONS

As used herein, the following terms have the meaning as set forth below:

1. The term “you” refers to “SCS Transport LLC” or “SCS” (as the company may be referenced in abbreviated fashion).
2. The terms “document” or “documents” as used herein shall include, without limitation, any writings and documentary material of any kind whatsoever, both originals and copies (regardless of origin and whether or not including additional writing thereon or attached thereto), and any and all drafts, preliminary versions, alterations, modifications, revisions, changes and written comments of and concerning such material, including but not limited to: correspondence, letters, memoranda, notes, reports, directions, studies, investigations, questionnaires and surveys, inspections, permits, citizen complaints, papers, files, books, manuals, instructions, records, pamphlets, forms, contracts, contract amendments or supplements, contract offers, tenders, acceptances, counteroffers or negotiating agreements, notices, confirmations, telegrams, communications sent or received,

print-outs, diary entries, calendars, tables, compilations, tabulations, charts, graphs, maps, recommendations, ledgers, accounts, worksheets, photographs, tape recordings, movie pictures, videotapes, transcripts, logs, workpapers, minutes, summaries, notations and records of any sort (printed, recorded or otherwise) of any oral communication whether sent or received, and other written or electronic records or recordings, in whatever form, stored or contained in or on whatever medium including computerized or digital memory or magnetic media that: (a) are now or were formerly in your possession, custody or control; or (b) are known or believed to be responsive to these interrogatories, regardless of who has or formerly had custody, possession or control.

3. The term “including” means “including, but not limited to.”
4. “Affiliate” means a person or entity that (directly or indirectly) owns or controls, is owned or controlled by, or is under common ownership or control with, another person. For purposes of this definition, “own” means to own an equity interest (or the equivalent thereof) of more than five (5) percent.

INSTRUCTIONS

1. If you maintain that any document or record that would be responsive to any of the data requests has been destroyed, set forth the content of said document, the location of any copies of said document, the date and circumstances of said destruction, and the name of the person who ordered or authorized such destruction.
2. In answering these data requests, furnish all responsive documents in your possession or in the possession of any of your directors, officers, employees, agents, representatives, or attorneys.
3. If you cannot answer a data request in full after exercising due diligence to secure all the information requested, or does not have precise information with regard to any part of a data request, so state in the response, describing in full the efforts to obtain the information requested, and then proceed to respond to the fullest extent possible. If an objection is made to any part of a data request, answer all parts of the data request to which you do not object, and as to each part to which you do object, separately set forth the specific basis for the objection.
4. If a responsive document is considered to contain confidential, proprietary, or otherwise protected information, please furnish this document subject to a protective agreement.
5. If any information is withheld under a claim of privilege, please describe the information without revealing the asserted privileged information and provide a statement of the basis upon which the claim of privilege is based.

6. If any of the information requested by a data request varies over time, state the response for each period of time as to which the response differs, and identify the time periods.
7. These interrogatories and requests are considered continuing and should be supplemented as additional information becomes available.

INTERROGATORIES AND REQUESTS FOR PRODUCTION

1. Are you aware of locations along the proposed pipeline route, where buried telecommunications and/or broadband facilities (herein "Communication Facilities") are currently located?
 - a. If so, provide location identifying information.
 - b. Describe what procedures will be used to protect and preserve the Communications Facilities during pipeline construction activities.
 - c. Describe which entity (SCS or Communications Facilities) pays for the above safety procedures.

ANSWER: No.

- a. **If utility companies provide shape files of utility lines, Summit Carbon Solutions (SCS) will incorporate them into the planning, design, and construction of the project.**
- b.
 - **SCS will make every effort to locate all structures (aboveground or underground) during preconstruction survey and the locations of such structures identified will be shown on Project Drawings.**
 - **Additionally, Summit Carbon Solutions will comply with all South Dakota One Call laws. At least 48-hours prior to beginning construction activities at discrete locations, Summit Carbon Solutions will contact the SD OneCall system to allow utility operators 48 hours to mark underground utilities in the area in which SCS will perform subsurface activities.**
 - **SCS's Contractors shall be responsible for the protection of existing utilities, pipelines, and structures during construction activities. Excavation in the vicinity of existing underground structures shall be carefully done by hand, by hydro vacuum, or as required by owner/operator of existing structure.**
 - **Unless otherwise directed, the SCS's Contractor shall cross under all existing underground pipelines, utilities, and structures with a minimum of 12 inches.**
 - **SCS's Contractor will notify SCS within 24-hours prior to the commencement of any trenching or excavating activities in the vicinity of foreign utility crossings.**

- SCS's Contractor shall keep copies of all applicable permits at the trenching and excavating sites during execution of those activities.
- SCS's Contractor shall erect and maintain signage, barriers, warning flashers or fencing around excavations left overnight or for an extended period of time in accordance with the local regulations.

Enclosed with these answers is a typical figure for "foreign" utility crossing.

- c. SCS will pay for all construction activities related to the construction of the project. If the owner of an underground utility wants to witness subsurface work, such costs will be borne by the utility company(ies).
2. Provide construction plans, drawings and/or methods of construction used in a standard Communications Facilities crossing.
 - a. Include specifications that include depth of cover for the pipeline and any required distance between facilities.

ANSWER: See response to Question 1 regard typical foreign utility crossings; the Pipeline Hazardous Materials and Safety Administration (PHMSA) establishes a minimum 36" depth of cover for regulated pipelines (49 CFR 195.248) and a minimum distance of 12" from the outside of a regulated pipeline and other underground structures and utilities (49 CFR 195.250). SCS prefers a 48" depth of cover and a minimum distance of 12" between the CO2 pipeline and other underground structures and utilities.

3. Will SCS charge a "crossing fee" if Communications Facilities will cross the SCS line after the pipeline is built because of broadband expansion in SD?
 - a. If so, what is the fee or describe how the fee is calculated?
 - b. If so, provide the statutory authority for such a fee?

ANSWER: No.

4. Has SCS or its affiliates entered into any crossing agreement with a telecommunications/broadband company in the past?
 - a. If so, provide a copy of any agreement it entered into with said telecommunications/broadband company.

ANSWER: No.

5. What requirements will SCS impose (whether as a result of pipeline safety regulations or internal policy) upon a telecommunications/broadband company installing Communications Facilities in the same area as the pipeline, after the pipeline is built?

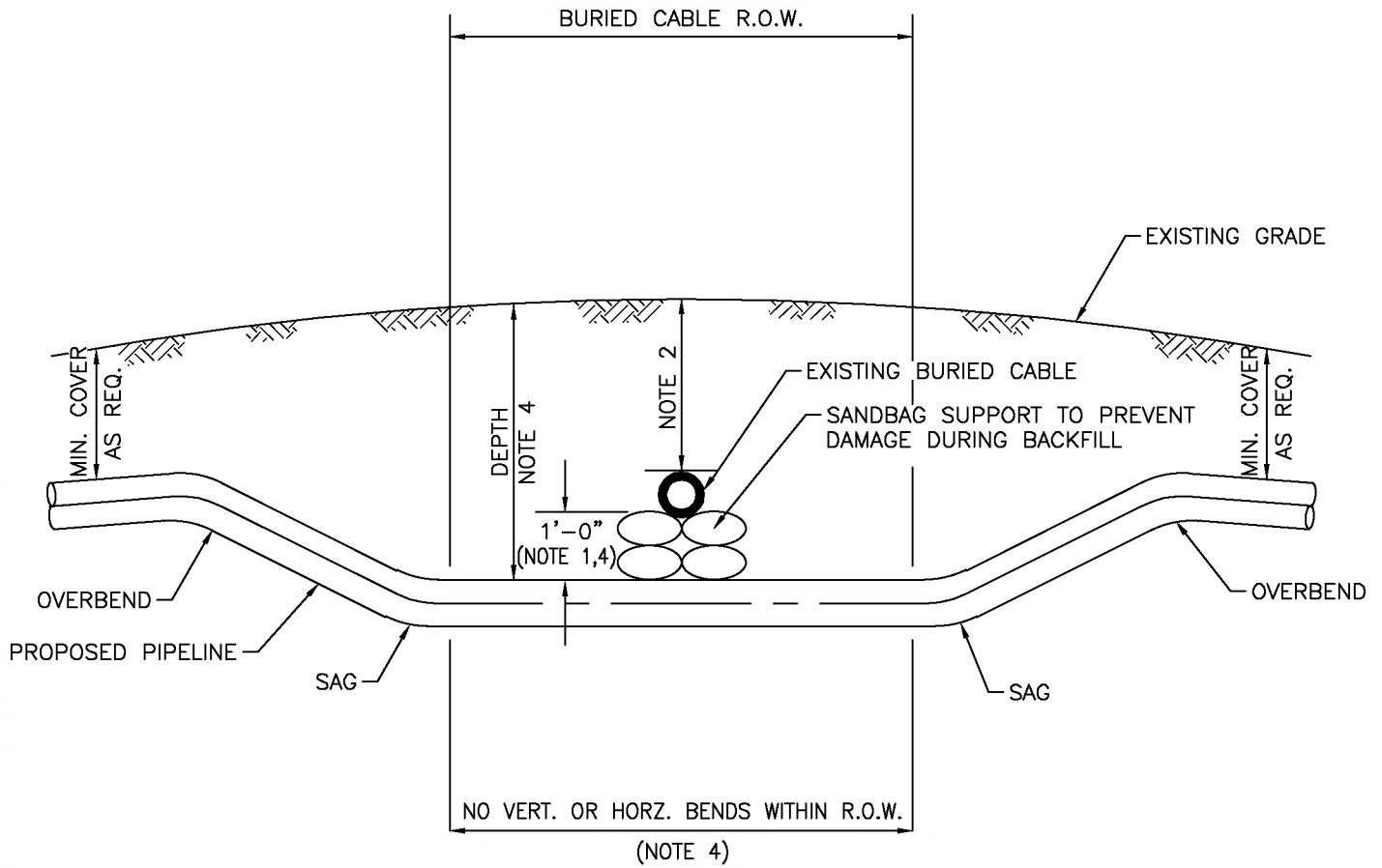
CERTIFICATE OF SERVICE

Cody L. Honeywell of May, Adam, Gerdes & Thompson LLP hereby certifies that on the 7th day of July, 2022, he served electronically served through electronic mail a true and correct copy of the foregoing in the above-captioned matter to the following at their last known address, to-wit:

Kara Semmler
Attorney for South Dakota Telecommunications Assn.
karasemmler@sdaonline.com

CODY L. HONEYWELL

P:\1927\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\DWG\1927-000-PL-DWG-0057.dwg Plotted on: Jul 02, 2022 - 6:41am by jwhite



NOTES:

1. A MINIMUM CLEARANCE OF 12" MUST BE MAINTAINED FROM ANY UNDERGROUND STRUCTURE NOT ASSOCIATED WITH THE PIPELINE. THE RECOMMENDED VERTICAL CLEARANCE IS 12" BETWEEN ANY FOREIGN UTILITY AND THE PROPOSED PIPELINE.
2. BURIED CABLE LOCATIONS & DEPTHS TO BE DETERMINED BY ELECTRONIC MEANS IN ADVANCE OF PIPELINE CONSTRUCTION AND CONFIRMED BY CAREFULLY EXPOSING BY NON-MECHANIZED EQUIPMENT WHEN WITHIN 24" IN ANY DIRECTION FROM THE EXISTING FACILITY.
3. OWNER OF BURIED CABLE(S) SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF EXCAVATION OF CROSSING.
4. DEPTH OF PIPELINE INCLUDING CLEARANCE SHALL BE MAINTAINED FOR THE FULL ANGULAR WIDTH OF BURIED CABLE R.O.W.
5. CONTRACTOR TO SUPPORT AS REQUIRED BY THE CABLE OWNER. IF CABLE OWNER HAS NO SPECIFIC REQUIREMENTS, THEN SUPPORT EXPOSED CABLE WITH WOOD PLANK OR STRUCTURAL STEEL ANGLE IRON DURING CONSTRUCTION.
6. CONTRACTOR TO UTILIZE CAUTION WITH PLACEMENT OF BACKFILL TO MINIMIZE POSSIBLE DAMAGE TO THE CABLE.
7. CONTRACTOR SHALL NOTIFY THE 811 CALL BEFORE YOU DIG PROGRAM AT LEAST 48 HOURS PRIOR TO DIGGING.

					GULF INTERSTATE ENGINEERING		SUMMIT CARBON SOLUTIONS	
					DWN. BY: GIE 06-13-22		SUMMIT CARBON SOLUTIONS PIPELINE PROPOSED 4"-24" PIPELINE BURIED CABLE CROSSING DETAIL	
					CHK. JW 07-10-22			
					PROJ. ENGR. VK 07-01-22			
					PROJ. MGR.			
					CLIENT APP.			
					SCALE: N.T.S.		DWG. NO. 1927-000-PL-DWG-0057	
							SHT. NO. 63 OF 1	
							REV. 1	
NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D			
1	ISSUED FOR USE	GIE	07-01-22	JW	VK			
0	ISSUED FOR USE	GIE	06-13-22	JW	VK			

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF SOUTH DAKOTA**

IN THE MATTER OF THE)	
APPLICATION BY SCS CARBON)	HP22-001
TRANSPORT LLC FOR A PERMIT)	
TO CONSTRUCT A CARBON)	CITY OF HARTFORD'S
DIOXIDE TRANSMISSION)	INTERROGATORIES TO SCS
PIPELINE)	CARBON TRANSPORT, LLC
)	

TO: SCS Carbon Transport, LLC

YOU ARE HEREBY REQUESTED to answer the following written interrogatories which are to be answered by you within the time and in the manner required by SDCL § 15-6-33.

These interrogatories are directed to you, but are intended to likewise obtain any information with respect thereto now known by any other agents or representatives you may have in this matter. These interrogatories are to be deemed continuing and if you or said agents or representatives obtain any information with respect to them after making original answers, it is requested that supplemental answers be made.

INTERROGATORY NO. 1: Please state the name, address, contact information and position of each person answering these interrogatories.

ANSWER:

**James Powell, Chief Operating Officer and
Rod Dillon, Director of Regulatory Compliance.
2321 North Loop Drive, Suite 221
Ames, IA 500510
phone: 515-531-2635**

INTERROGATORY NO. 2: In its February 7, 2022 application (Appendix 4) SCS Carbon Transport, LLC (“SCS”) proposed an alternate route for the carbon pipeline which is adjacent to the western boundary of the City of Hartford, Minnehaha County, South Dakota. With respect to the proposed location, please answer the following:

- a. Is the alternate location identified in Appendix 4 to the February 7, 2022 application before the South Dakota Public Utilities Commission the final proposed location for the pipeline?

ANSWER: The alternative route that is identified is located in Appendix 4, Figure 4-6 of the February 7, 2002 permit application and is the “final proposed location.”

- b. Please state any and all reasons that the route of the pipeline changed from the route identified in Appendix 4 to the alternate route which is approximately three miles closer to the City of Hartford and within the anticipated growth area for the City of Hartford.

ANSWER: Section 4.3 of the Application provides the reasoning for the route variance located in Appendix 4, Figure 4-6. It provides the following:

“This route variance is being considered to avoid a USFWS fee land crossing associated with the Voelker I Waterfowl Protection Area in Minnehaha County. The route variance was designed to avoid South Dakota Game Fish and Parks (SDGFP) land associated with Scotts Slough. The route variance also moves the pipeline to property of landowners that are more favorable of the Project. SDM-104 would be routed approximately 2 miles to the east of the proposed route.”

INTERROGATORY NO. 3: Explain in detail the manner in which SCT intends to work with the City of Hartford to accommodate the extension of its utilities and other infrastructure which will be necessary for the continued growth of the City of Hartford to the west of the proposed pipeline. This answer should include a detailed explanation of the manner in which utilities and roadways can be extended to the west of the proposed pipeline route.

ANSWER: SCS does not believe the pipeline will impede growth of the City of Hartford to the west.

SCS will note the pipeline route is outside the existing City of Hartford incorporated limits. Typically, the expansion of a municipality’s borders, or the extension of their infrastructure beyond those borders, is something that is carefully deliberated, planned, and executed. SCS would respectfully request the City of Hartford (or any municipality) include SCS in such discussions as they are contemplated.

In addition, SCS is in the process of developing a damage prevention program in compliance with 49 CFR 195.442 that will be implemented once the project becomes operational. Generally, SCS expects all individuals and businesses conducting subsurface activities to contact the SD OneCall 48-hours prior to beginning such work. Crossing of the SCS pipeline will require hand excavation and the use of hydrovac/potholing equipment. Where a new utility line may parallel SCS’s pipeline, SCS will work with the owner of the new line relative to special construction considerations on a case-by-case basis. SCS reserves the right to have a witness present during subsurface construction activities near or across the SCS pipeline.

INTERROGATORY NO. 4: Does SCT intend to install the necessary facilities to allow for the growth of the City of Hartford to the west of the proposed alternate route for the pipeline and if so, does SCT plan to pay for the necessary infrastructure to accommodate the extension of utilities and roadways to the west of the proposed pipeline route?

ANSWER: See SCS's response to Interrogatory No 3.

INTERROGATORY NO. 5: Will SCT agree to reimburse the City of Hartford for engineering and legal expenses involved in reviewing plans and specifications of the proposed pipeline and determining the manner in which the City of Hartford will be able to extend its roadways and utilities to the west of the proposed pipeline so as to allow for the continued growth of the City of Hartford?

ANSWER: See SCS's response to Interrogatory No. 3.

INTERROGATORY NO. 6: What safety measures will SCT put into place to provide assurance to the City of Hartford and its residents, both present and future, that any leaks in the pipeline will not adversely affect the health, safety and well-being of the citizens of the City of Hartford?

ANSWER: SCS is designing the pipeline to meet, or exceed, federal requirements outlined in Title 49 of the Code of Federal Regulations Part 195 (49 CFR 195). This includes, but is not limited to, heavy-walled high-carbon steel pipe, a depth of cover 48" from top of the pipe, inspection of 100% of pipeline welds, hydro-testing of the pipeline above its planned service pressure to ensure its integrity, installation of cathodic protection and other measures to minimize possibility of corrosion, and 24-hour monitoring from a central Pipeline Control Center to confirm operations across the entire pipeline system. Furthermore, SCS will comply with federal Emergency Response requirements set forth in 49 CFR 195. An emergency response plan will be developed and in place prior to commencement of operation.

During pipeline construction and operation, SCS will coordinate with first responders and emergency management agencies to develop procedures for response to emergencies, natural hazards, hazardous materials incidents, and potential incidents. SCS will register all Project facilities and pipeline structures with the rural identification / addressing (fire number) system and 911/Public Safety Answering Points (PSAP).

During operations, the Project operator will coordinate with first responders to protect the public and the property related to the Project during natural, manmade or other incidents. The Applicant will prepare an operation manual for routine facility operations and an emergency response plan for abnormal operations per PHMSA regulations. Furthermore, SCS will coordinate emergency response drills and table-top exercises that will include first responder representatives.

INTERROGATORY NO. 7: Will SCT provide emergency personnel dedicated to the protection of the City of Hartford in the event of an emergency associated with leaks, ruptures, explosions or other damages caused by the pipeline, either during construction or when in operation if the pipeline should fail in any manner? If so, where will the personnel be located?

ANSWER: SCS will provide emergency preparedness educate and equipment to the Hartford 1st responders that will ensure they are prepared to respond safely to any incident to ensure the city of Hartford citizens are safe.

The location will be determined by the 1st responders when the training and exercises are conducted prior to operations.

INTERROGATORY NO. 8: What resources will SCT commit to assist in the training of emergency personnel who serve the City of Hartford and its surrounding area in dealing with an emergency associated with the pipeline?

ANSWER: SCS is committed to supporting the training of first responders to ensure preparedness. SCS will conduct public education outreach programs, including damage prevention programs, that meet or exceed industry requirements concerning public awareness of pipelines and pipeline operation. Additional actions SCS plans on taking in regards to coordinating with first responders and emergency management agencies is described in the response to Interrogatory No. 6.

INTERROGATORY NO. 9: What assurances and sureties will SCT provide to the City of Hartford and its residents to offset any potential liabilities associated with leaks, ruptures, explosions or other damages caused by the pipeline either during the installation process or when in operation if the pipeline should fail in any manner?

ANSWER: SCS is a well-capitalized company and intends to honor its obligation to offset any potential liabilities through commercially available insurance, similar to how other pipelines have done across the country and in the past.

INTERROGATORY NO. 10: What restrictions would SCT place upon the use of the surface area above the pipeline?

ANSWER: SCS doesn't own the surface. The surface owners agree, in a signed easement, not to construct a temporary or permanent building or site improvement, remove soil or change the grade or slope, impound surface water, plant trees, or do anything that would endanger or interfere with the operation and safety of the pipeline. These restrictions are in place to comply with federal safety requirements.

INTERROGATORY NO. 11: Would the surface area above the pipeline easement area be available for use by the City of Hartford for parks, bike trails or other recreational facilities, including the planting of trees or non-permanent structures?

ANSWER: Pipeline easements often consider such purposes and the surface owner is a large part of this determination. SCS would not object to uses which do not impeded with the safe operation of the pipeline and comply with federal safety requirements; however, to be specific, permanent structures may not be built and trees may not be planted on the

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment						
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states
56 - Construction of other new nonresidential structures	2,904.3	2,232.4	2,270.6	2,339.9	3,646.4	-	12,589.3	968.10	744.12	756.87	779.97	1,215.45	-	4,196.42
447 - Other real estate	68.1	75.7	53.8	128.0	112.3	343.3	840.2	22.70	25.25	17.94	42.67	37.44	114.45	280.08
457 - Architectural, engineering, and related services	104.2	84.0	89.8	188.2	156.9	160.0	789.8	34.72	28.01	29.92	62.72	53.31	53.32	263.28
472 - Employment services	81.2	53.3	75.2	68.7	44.6	362.1	763.7	27.08	17.77	25.08	22.91	14.87	120.71	254.56
405 - Retail - Building material and garden equipment and supplies stores	148.2	109.4	107.1	107.5	167.0	19.1	626.2	49.40	36.46	35.69	35.85	55.68	6.38	208.73
509 - Full-service restaurants	118.4	65.1	57.4	96.1	92.0	165.1	614.1	39.45	21.71	19.14	32.04	30.68	55.03	204.70
468 - Marketing research and all other miscellaneous professional, scientific, and technical services	61.2	72.7	140.7	213.4	44.5	26.2	555.6	20.39	24.22	46.90	71.13	14.84	8.72	185.20
490 - Hospitals	53.2	61.4	53.5	118.8	153.3	97.5	527.6	17.73	20.48	17.82	36.59	51.10	32.52	175.88
510 - Limited-service restaurants	75.7	58.5	52.9	78.0	94.0	110.8	476.1	25.25	19.49	17.64	26.01	31.33	36.92	158.71
417 - Truck transportation	64.7	70.0	73.7	85.7	85.0	83.3	464.1	21.55	23.35	24.58	28.57	28.32	27.78	154.70
396 - Wholesale - Other durable goods merchant wholesalers	45.6	64.0	46.7	65.1	78.5	106.3	414.9	15.21	21.33	15.57	21.71	26.18	35.45	138.32
469 - Management of companies and enterprises	30.7	76.7	53.7	48.0	55.2	103.5	381.0	10.23	25.58	17.91	15.99	18.41	34.51	126.99
35 - Drilling oil and gas wells	-	-	-	349.0	-	0.0	349.8	-	-	-	116.34	-	0.01	116.59
455 - Legal services	23.9	23.9	19.2	70.9	26.7	133.6	324.8	7.95	7.96	6.41	23.62	8.89	44.53	108.27
511 - All other food and drinking places	41.0	33.3	36.5	54.6	58.3	73.8	302.6	13.65	11.11	12.16	18.21	19.42	24.61	100.88
411 - Retail - General merchandise stores	54.3	37.3	37.6	49.7	60.4	54.4	293.6	18.09	12.44	12.55	16.55	20.13	18.13	97.88
492 - Offices of physicians	42.8	42.8	32.9	41.6	57.3	66.0	286.6	14.21	14.26	10.97	13.87	19.08	22.00	95.54
476 - Services to buildings	32.0	19.6	24.7	51.5	38.6	95.4	276.4	10.65	6.52	8.23	17.16	12.87	31.78	92.14
441 - Monetary authorities and depository credit intermediation	47.0	38.4	38.6	58.7	29.3	51.3	269.4	15.67	12.80	12.86	19.57	9.75	17.09	89.79
406 - Retail - Food and beverage stores	54.6	32.5	34.3	37.8	55.3	51.1	265.9	18.19	10.84	11.45	12.60	18.42	17.05	88.64
512 - Automotive repair and maintenance, except car washes	39.2	33.2	31.3	45.7	43.3	50.8	246.4	13.07	11.07	10.42	15.23	14.43	16.95	82.13
456 - Accounting, tax preparation, bookkeeping, and payroll services	22.1	23.0	27.9	28.9	29.0	95.8	243.6	7.35	7.66	9.29	9.63	9.68	31.94	81.20
422 - Warehousing and storage	34.2	13.0	20.6	19.2	23.1	108.3	239.8	11.39	4.35	6.88	6.40	7.71	36.10	79.92
493 - Individual and family services	40.7	41.6	28.1	35.5	24.7	59.8	239.5	13.56	13.88	9.36	11.83	8.23	19.92	79.83
413 - Retail - Nonstore retailers	39.8	35.5	32.0	38.4	48.0	37.6	229.8	13.25	11.83	10.68	12.79	15.99	12.54	76.61
440 - Securities and commodity contracts intermediation and brokerage	29.9	33.5	24.0	33.8	29.1	68.2	228.7	9.97	11.16	8.01	11.28	9.69	22.72	76.25
491 - Nursing and community care facilities	35.2	35.0	26.1	35.1	47.8	38.2	216.2	11.74	11.65	8.71	11.71	15.93	12.72	72.06
462 - Management consulting services	9.4	67.5	5.1	10.3	14.2	85.2	209.4	3.13	22.50	1.71	3.42	4.73	28.42	69.81
418 - Transit and ground passenger transportation	17.6	35.8	16.1	16.2	13.4	85.9	203.1	5.86	11.93	5.38	5.41	4.48	28.63	67.69
473 - Business support services	16.2	13.3	32.0	20.8	33.0	68.8	193.5	5.39	4.42	10.67	6.94	10.99	22.95	64.52
521 - Religious organizations	36.2	22.8	15.5	28.7	38.3	39.5	182.1	12.05	7.59	5.16	9.57	12.78	13.17	60.71
463 - Environmental and other technical consulting services	31.9	17.4	20.9	55.6	23.6	23.9	174.0	10.64	5.81	6.95	18.53	7.86	7.97	57.99
421 - Couriers and messengers	15.1	22.1	13.9	19.0	23.9	66.9	171.8	5.02	7.35	4.63	6.34	7.95	22.29	57.27
207 - Other concrete product manufacturing	26.1	44.0	39.3	20.0	50.6	1.0	170.1	8.69	14.67	13.09	6.68	16.88	0.33	56.70
442 - Other financial investment activities	19.7	17.0	14.3	12.5	33.6	63.6	168.9	6.58	5.67	4.78	4.18	11.21	21.19	56.29
412 - Retail - Miscellaneous store retailers	33.0	22.7	23.3	25.1	26.4	32.7	165.3	10.98	7.58	7.75	8.37	8.79	10.90	55.09
395 - Wholesale - Machinery, equipment, and supplies	29.0	23.9	20.4	37.3	38.1	18.8	163.6	9.66	7.96	6.80	12.43	12.69	6.25	54.52
445 - Insurance agencies, brokerages, and related activities	14.7	15.5	11.0	37.7	36.1	44.9	162.9	4.88	5.18	3.66	12.55	12.05	14.97	54.28
475 - Investigation and security services	10.0	8.9	7.7	16.2	12.3	87.4	161.2	3.35	2.95	2.58	5.42	4.11	29.13	53.72
507 - Hotels and motels, including casino hotels	46.3	1.5	0.4	3.2	0.5	84.1	156.4	15.44	0.51	0.14	1.06	0.15	28.03	52.12
453 - Commercial and industrial machinery and equipment rental and leasing	17.9	8.0	14.5	41.5	23.8	35.3	144.4	5.97	2.68	4.84	13.83	7.94	11.76	48.14
420 - Scenic and sightseeing transportation and support activities for transportation	11.8	12.0	12.9	16.2	18.7	56.4	137.5	3.92	4.02	4.29	5.40	6.22	18.79	45.84
400 - Wholesale - Other nondurable goods merchant wholesalers	19.7	16.9	13.8	21.4	27.8	35.0	136.9	6.57	5.63	4.59	7.12	9.27	11.67	45.64
470 - Office administrative services	12.8	6.8	20.7	13.4	21.2	50.2	132.6	4.26	2.28	6.91	4.45	7.05	16.75	44.22
517 - Personal care services	21.1	14.9	15.9	22.8	18.0	35.0	132.2	7.03	4.97	5.29	7.59	6.00	11.66	44.06
477 - Landscape and horticultural services	14.8	12.2	8.7	15.9	19.6	51.4	130.7	4.92	4.06	2.90	5.30	6.54	17.12	43.57
515 - Commercial and industrial machinery and equipment repair and maintenance	23.6	14.9	16.4	21.3	29.0	21.9	126.2	7.87	4.98	5.46	7.11	9.68	7.31	42.06
465 - Advertising, public relations, and related services	7.9	12.2	6.3	13.6	12.8	58.8	123.0	2.62	4.07	2.09	4.52	4.28	19.59	41.00
481 - Junior colleges, colleges, universities, and professional schools	16.3	11.4	13.2	17.6	34.8	29.4	122.0	5.42	3.80	4.39	5.86	11.59	9.78	40.67
494 - Child day care services	25.2	9.8	15.6	22.7	24.4	22.9	120.8	8.40	3.27	5.20	7.55	8.14	7.64	40.27
444 - Insurance carriers, except direct life	8.1	17.3	10.9	30.6	19.0	29.1	118.0	2.70	5.78	3.63	10.21	6.32	9.70	39.33
450 - Computer systems design services	6.5	10.4	6.1	12.4	17.6	54.8	117.3	2.18	3.47	2.03	4.12	5.88	18.27	39.10
407 - Retail - Health and personal care stores	18.7	14.1	14.3	22.5	21.0	24.5	116.4	6.22	4.69	4.76	7.50	6.99	8.18	38.80
252 - Valve and fittings, other than plumbing, manufacturing	67.2	2.2	0.4	1.1	34.9	13.8	115.2	22.41	0.72	0.13	0.37	11.65	4.60	38.40
409 - Retail - Clothing and clothing accessories stores	15.3	10.6	12.7	22.0	23.6	27.8	113.6	5.10	3.52	4.24	7.34	7.86	9.27	37.86
448 - Tenant-occupied housing	15.6	12.8	15.2	16.1	32.1	23.0	113.2	5.19	4.26	5.07	5.36	10.69	7.68	37.75
235 - Prefabricated metal buildings and components manufacturing	13.9	4.2	17.6	2.5	22.2	45.1	111.5	4.62	1.40	5.87	0.84	7.39	15.03	37.17

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment						
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states
439 - Nondepository credit intermediation and related activities	10.6	6.5	14.5	19.1	34.9	26.6	111.0	3.54	2.17	4.82	6.36	11.63	8.87	36.99
204 - Ready-mix concrete manufacturing	19.5	22.3	24.5	16.4	27.9	1.5	106.2	6.48	7.44	8.17	5.47	9.29	0.49	35.41
513 - Car washes	17.0	13.3	12.5	17.8	18.1	22.3	102.6	5.65	4.45	4.17	5.94	6.05	7.45	34.19
758 - Fabricated pipe and pipe fitting manufacturing	20.3	6.2	0.3	0.0	79.3	10.1	101.1	6.75	2.08	0.11	0.01	26.43	3.37	33.69
484 - Offices of dentists	16.5	11.9	12.0	16.0	21.7	21.5	100.2	5.51	3.97	4.01	5.34	7.23	7.18	33.40
485 - Offices of other health practitioners	17.5	11.3	12.0	18.0	20.5	19.9	99.5	5.85	3.75	4.00	6.01	6.83	6.62	33.16
236 - Fabricated structural metal manufacturing	21.4	7.8	18.8	4.6	3.3	33.6	97.0	7.13	2.51	6.25	1.55	1.10	11.20	32.33
488 - Home health care services	9.0	18.6	6.0	7.3	18.7	33.2	96.7	2.99	6.21	2.00	2.42	6.25	11.07	32.25
401 - Wholesale - Wholesale electronic markets and agents and brokers	5.0	3.5	1.1	4.3	6.1	61.5	95.1	1.67	1.18	0.37	1.43	2.03	20.50	31.71
60 - Maintenance and repair construction of nonresidential structures	10.0	9.7	7.4	13.8	13.2	33.8	93.1	3.32	3.22	2.48	4.59	4.39	11.25	31.03
402 - Retail - Motor vehicle and parts dealers	15.6	11.2	11.2	15.7	17.5	19.3	91.4	5.21	3.74	3.75	5.24	5.84	6.43	30.48
410 - Retail - Sporting goods, hobby, musical instrument and book stores	15.4	11.0	11.4	17.4	20.0	16.3	91.1	5.13	3.68	3.81	5.81	6.65	5.42	30.35
459 - Custom computer programming services	5.4	8.0	4.6	8.8	4.6	48.0	80.0	1.79	2.67	1.54	2.92	1.52	15.99	29.99
408 - Retail - Gasoline stores	17.2	12.9	10.0	15.8	16.0	15.6	87.9	5.74	4.30	3.33	5.27	5.35	5.20	29.29
47 - Electric power transmission and distribution	22.8	13.3	4.6	13.8	22.0	10.9	85.3	7.60	4.44	1.53	4.60	7.33	3.65	28.42
497 - Commercial Sports Except Racing	5.4	20.7	1.3	5.2	5.9	38.3	84.8	1.79	6.91	0.43	1.72	1.96	12.76	28.27
525 - Private households	14.5	9.2	7.6	10.4	15.7	24.4	84.3	4.82	3.07	2.54	3.45	5.24	8.14	28.09
526 - Postal service	10.9	11.9	9.6	11.6	14.1	21.6	81.8	3.63	3.97	3.19	3.86	4.69	7.19	27.26
394 - Wholesale - Household appliances and electrical and electronic goods	7.6	14.1	8.8	16.5	15.2	13.6	75.6	2.52	4.69	2.93	5.49	5.06	4.52	25.19
534 - Other local government enterprises	5.5	15.8	2.2	10.9	13.5	22.7	73.2	1.84	5.26	0.73	3.65	4.51	7.57	24.41
520 - Other personal services	12.1	6.9	4.4	10.8	9.9	24.5	72.3	4.02	2.30	1.45	3.60	3.31	8.16	24.11
500 - Promoters of performing arts and sports and agents for public figures	8.7	4.0	8.8	11.9	18.1	18.2	70.0	2.90	1.33	2.92	3.95	6.04	6.05	23.33
492 - Residential mental retardation, mental health, substance abuse and other facilities	10.6	13.1	6.1	12.5	11.9	14.2	69.1	3.52	4.37	2.02	4.15	3.97	4.72	23.04
495 - Community food, housing, and other relief services, including rehabilitation services	12.5	11.1	7.0	10.7	13.1	13.8	68.7	4.17	3.69	2.33	3.58	4.38	4.61	22.91
403 - Retail - Furniture and home furnishings stores	10.1	7.8	9.0	13.1	14.3	13.4	67.8	3.36	2.60	2.99	4.38	4.77	4.46	22.60
247 - Machine shops	3.2	10.0	1.3	0.5	1.9	41.0	67.5	1.05	3.33	0.43	0.17	0.63	13.68	22.49
480 - Elementary and secondary schools	17.1	10.0	1.2	7.0	6.2	21.5	66.8	5.70	3.33	0.39	2.33	2.05	7.17	22.27
393 - Wholesale - Professional and commercial equipment and supplies	5.3	9.4	5.0	8.0	11.5	24.0	66.6	1.77	3.14	1.68	2.66	3.84	8.00	22.20
478 - Other support services	4.7	12.0	2.1	6.6	6.0	28.7	65.9	1.57	4.00	0.69	2.21	2.01	9.57	21.95
486 - Outpatient care centers	10.4	6.5	12.4	4.0	6.7	21.9	65.7	3.46	2.16	4.14	1.34	2.23	7.30	21.90
519 - Dry-cleaning and laundry services	5.4	6.3	7.6	10.3	8.7	22.3	64.0	1.78	2.11	2.52	3.43	2.89	7.42	21.33
482 - Other educational services	8.0	8.8	4.6	9.1	7.2	22.2	63.7	2.66	2.94	1.54	3.02	2.40	7.39	21.23
404 - Retail - Electronics and appliance stores	10.7	6.7	7.8	11.5	13.0	13.3	63.3	3.55	2.23	2.61	3.84	4.33	4.43	21.11
132 - Sawmills	1.3	2.1	0.7	-	4.5	44.8	63.3	0.44	0.70	0.24	-	1.49	14.92	21.09
20 - Oil and gas extraction	1.5	1.9	1.6	18.0	2.4	30.4	62.7	0.50	0.65	0.53	5.98	0.81	10.13	20.90
479 - Waste management and remediation services	7.7	5.4	8.3	5.1	11.3	21.8	62.3	2.56	1.79	2.76	1.71	3.75	7.26	20.77
504 - Other amusement and recreation industries	9.0	8.8	5.9	9.5	13.5	14.1	61.2	2.99	2.93	1.95	3.17	4.51	4.69	20.39
505 - Fitness and recreational sports centers	9.5	6.2	5.7	13.3	10.8	13.8	60.4	3.17	2.08	1.90	4.44	3.61	4.60	20.14
193 - Other plastics product manufacturing	2.4	7.4	2.2	0.6	1.0	37.8	60.4	0.79	2.48	0.72	0.22	0.33	12.59	20.12
524 - Labor and civic organizations	5.9	11.7	7.9	8.5	10.4	12.1	57.2	1.97	3.91	2.63	2.84	3.48	4.03	19.07
433 - Wired telecommunications carriers	7.9	6.3	4.6	9.6	11.7	15.6	56.9	2.63	2.10	1.54	3.21	3.89	5.20	18.97
514 - Electronic and precision equipment repair and maintenance	5.2	6.9	8.3	10.7	8.8	15.1	56.7	1.72	2.31	2.76	3.57	2.94	5.03	18.90
152 - Printing	4.2	9.1	2.6	2.7	4.8	26.8	55.7	1.39	3.04	0.88	0.89	1.60	8.92	18.55
431 - Radio and television broadcasting	6.6	4.0	5.7	9.7	7.7	18.4	54.9	2.19	1.34	1.90	3.24	2.58	6.13	18.31
436 - Data processing, hosting, and related services	5.8	3.9	11.2	7.4	3.3	19.1	54.7	1.94	1.30	3.74	2.47	1.11	6.37	18.24
238 - Metal window and door manufacturing	7.1	3.3	1.9	3.8	3.9	28.5	54.5	2.37	1.09	0.62	1.25	1.30	9.50	18.15
16 - Commercial logging	0.9	3.4	1.0	0.1	2.4	37.4	53.8	0.30	1.14	0.33	0.03	0.79	12.48	17.93
446 - Funds, trusts, and other financial vehicles	7.5	6.4	6.8	8.8	12.8	11.5	53.7	2.50	2.13	2.28	2.92	4.26	3.82	17.90
464 - Scientific research and development services	8.5	8.2	5.2	5.8	8.9	14.9	53.1	2.83	2.74	1.74	1.92	2.97	4.95	17.70
240 - Ornamental and architectural metal work manufacturing	4.0	8.0	0.9	1.4	2.4	24.4	46.5	1.32	2.68	0.31	0.45	0.81	8.12	15.51
398 - Wholesale - Grocery and related product wholesalers	3.0	4.2	2.8	8.1	6.5	18.5	46.1	1.00	1.41	0.92	2.70	2.17	6.15	15.38
499 - Independent artists, writers, and performers	1.4	1.4	4.9	3.8	5.2	24.4	45.9	0.46	0.46	1.64	1.25	1.75	8.14	15.29
451 - General and consumer goods rental except video tapes and discs	6.9	4.3	4.4	6.4	10.1	10.3	42.7	2.29	1.44	1.46	2.14	3.37	3.45	14.24
503 - Gambling industries (except casino hotels)	6.4	3.7	4.6	7.2	10.4	9.7	41.9	2.12	1.22	1.52	2.39	3.48	3.22	13.98
206 - Concrete pipe manufacturing	4.5	11.6	6.5	3.5	18.2	0.1	40.4	1.48	3.87	2.17	1.17	6.06	0.05	13.48
61 - Maintenance and repair construction of residential structures	6.9	5.9	5.3	5.4	8.0	8.6	40.4	2.30	1.95	1.76	1.81	2.65	2.87	13.46
428 - Software publishers	2.4	3.0	1.5	8.6	2.5	18.4	40.3	0.81	1.01	0.49	2.86	0.82	6.13	13.43

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years										Average annual employment						
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states			
414 - Air transportation	4.7	8.4	1.4	2.0	3.5	16.6	39.9	1.58	2.80	0.46	0.68	1.17	5.53	13.31			
205 - Concrete block and brick manufacturing	4.4	17.4	11.5	0.9	6.3	0.7	39.9	1.46	5.82	3.83	0.29	2.10	0.22	13.31			
365 - Wood kitchen cabinet and countertop manufacturing	1.9	4.6	0.4	0.3	5.5	21.2	37.9	0.64	1.53	0.13	0.12	1.84	7.06	12.62			
19 - Support activities for agriculture and forestry	1.0	1.3	0.8	0.4	1.0	27.0	37.8	0.32	0.44	0.27	0.13	0.33	9.00	12.61			
461 - Other computer related services, including facilities management	1.3	5.8	5.4	1.1	1.7	17.2	36.3	0.42	1.95	1.81	0.35	0.55	5.74	12.11			
135 - Engineered wood member and truss manufacturing	2.1	4.7	4.6	2.3	8.2	13.0	36.3	0.69	1.58	1.54	0.78	2.74	4.34	12.11			
242 - Metal tank (heavy gauge) manufacturing	0.4	1.6	0.6	0.3	0.5	26.3	35.9	0.13	0.54	0.19	0.09	0.18	8.76	11.98			
323 - Lighting fixture manufacturing	1.2	0.8	0.2	-	0.0	27.1	35.9	0.40	0.27	0.07	-	0.00	9.02	11.95			
522 - Grantmaking, giving, and social advocacy organizations	4.9	5.3	3.6	8.5	4.9	7.9	35.8	1.62	1.75	1.19	2.82	1.65	2.64	11.95			
516 - Personal and household goods repair and maintenance	4.0	4.5	3.9	7.0	6.0	9.1	35.4	1.32	1.51	1.31	2.32	2.02	3.02	11.80			
137 - Wood windows and door manufacturing	10.5	6.3	3.6	6.7	7.4	2.0	35.3	3.49	2.09	1.21	2.22	2.47	0.68	11.77			
10 - All other crop farming	0.5	3.8	1.7	2.3	4.6	18.1	34.4	0.18	1.25	0.56	0.78	1.54	6.03	11.47			
29 - Sand and gravel mining	8.1	6.3	8.2	2.9	8.0	1.8	34.0	2.71	2.11	2.72	0.96	2.67	0.61	11.35			
496 - Performing arts companies	3.7	5.1	1.8	6.0	4.3	11.1	33.9	1.25	1.69	0.62	2.00	1.45	3.70	11.29			
429 - Motion picture and video industries	3.2	2.1	1.7	2.5	2.4	18.1	33.8	1.06	0.69	0.57	0.82	0.80	6.04	11.28			
214 - Miscellaneous nonmetallic mineral products manufacturing	0.9	19.8	0.3	0.1	2.9	7.7	32.9	0.30	6.50	0.11	0.03	0.96	2.55	10.98			
399 - Wholesale - Petroleum and petroleum products	4.4	3.3	2.9	8.9	10.3	4.0	32.5	1.46	1.11	0.98	2.95	3.44	1.33	10.84			
423 - Newspaper publishers	5.6	4.0	4.4	5.8	5.1	7.0	32.5	1.86	1.34	1.46	1.93	1.71	2.34	10.84			
489 - Other ambulatory health care services	4.1	3.9	3.1	6.2	6.3	7.7	31.7	1.35	1.31	1.03	2.06	2.10	2.55	10.57			
215 - Iron and steel mills and ferroalloy manufacturing	0.9	0.6	0.6	0.1	0.5	22.9	30.9	0.29	0.19	0.20	0.03	0.15	7.62	10.30			
458 - Specialized design services	1.9	1.7	1.6	1.8	2.1	17.8	30.9	0.64	0.58	0.55	0.61	0.69	5.93	10.30			
523 - Business and professional associations	5.8	3.6	1.7	5.1	6.8	7.3	30.5	1.94	1.19	0.58	1.69	2.26	2.43	10.18			
438 - Internet publishing and broadcasting and web search portals	0.6	0.7	1.8	0.5	1.1	20.9	30.5	0.21	0.24	0.61	0.16	0.37	6.97	10.18			
415 - Rail transportation	3.3	4.9	3.5	2.7	4.1	10.3	30.4	1.11	1.62	1.17	0.88	1.38	3.44	10.13			
450 - Automotive equipment rental and leasing	3.8	2.3	2.0	4.6	3.7	11.4	29.7	1.26	0.76	0.68	1.53	1.22	3.81	9.91			
40 - Electric power generation - Fossil fuel	6.3	6.3	0.5	8.3	2.7	4.7	29.3	2.08	2.09	0.18	2.77	0.90	1.56	9.77			
259 - Other fabricated metal manufacturing	1.3	4.2	1.4	0.2	0.7	16.9	28.6	0.42	1.39	0.47	0.06	0.24	5.63	9.53			
471 - Facilities support services	0.5	0.6	0.2	0.3	1.4	20.7	28.6	0.15	0.21	0.08	0.11	0.48	6.91	9.52			
467 - Veterinary services	4.9	3.5	3.8	4.5	5.3	6.2	28.6	1.63	1.15	1.27	1.50	1.76	2.08	9.52			
142 - Prefabricated wood building manufacturing	5.4	9.1	4.7	0.8	8.3	0.4	27.0	1.79	3.03	1.58	0.26	2.78	0.13	8.99			
474 - Travel arrangement and reservation services	2.1	2.2	3.9	4.3	2.5	10.1	26.9	0.69	0.73	1.29	1.42	0.85	3.36	8.98			
239 - Sheet metal work manufacturing	0.9	5.1	1.0	0.2	1.0	15.2	26.8	0.29	1.69	0.33	0.06	0.33	5.07	8.94			
443 - Direct life insurance carriers	3.6	2.4	3.6	2.0	9.1	5.8	26.0	1.19	0.82	1.19	0.67	3.04	1.95	8.65			
134 - Veneer and plywood manufacturing	0.1	0.7	0.4	-	-	19.1	25.0	0.03	0.22	0.14	-	-	6.38	8.33			
28 - Stone mining and quarrying	8.7	3.2	1.9	-	6.9	4.1	24.2	2.88	1.08	0.63	-	2.30	1.37	8.08			
518 - Death care services	4.4	2.4	3.1	2.7	3.5	6.7	23.7	1.48	0.80	1.04	0.89	1.18	2.24	7.92			
533 - Local government electric utilities	3.3	0.9	13.3	0.1	0.9	3.2	22.3	1.10	0.31	4.44	0.02	0.30	1.07	7.43			
188 - Plastics pipe and pipe fitting manufacturing	1.2	3.7	0.9	1.5	0.6	10.9	21.3	0.39	1.22	0.31	0.52	0.18	3.63	7.10			
147 - Paperboard container manufacturing	0.9	2.2	1.1	0.1	1.7	12.0	20.5	0.29	0.75	0.35	0.03	0.57	4.00	6.84			
392 - Wholesale - Motor vehicle and motor vehicle parts and supplies	2.7	2.2	1.8	3.5	3.9	5.6	20.3	0.91	0.74	0.59	1.16	1.30	1.88	6.75			
487 - Medical and diagnostic laboratories	1.1	1.1	0.8	2.4	1.9	10.4	19.8	0.36	0.36	0.25	0.81	0.62	3.48	6.60			
203 - Cement manufacturing	4.4	-	1.4	3.3	4.4	5.6	19.5	1.47	-	0.46	1.11	1.47	1.87	6.52			
272 - Other commercial service industry machinery manufacturing	1.3	2.2	0.2	0.1	0.3	12.2	19.3	0.44	0.73	0.08	0.04	0.12	4.07	6.44			
139 - Other millwork, including flooring	2.2	4.5	0.1	2.3	0.2	7.4	18.6	0.73	1.51	0.05	0.76	0.07	2.48	6.19			
251 - Electroplating, anodizing, and coloring metal	0.2	2.1	0.7	0.1	0.1	11.7	17.7	0.05	0.71	0.24	0.05	0.02	3.88	5.89			
250 - Metal coating and nonprecious engraving	0.6	1.8	0.2	0.1	0.4	11.5	17.4	0.20	0.61	0.07	0.03	0.13	3.85	5.80			
198 - Brick, tile, and other structural clay product manufacturing	3.4	0.2	2.2	2.3	3.9	4.8	17.4	1.15	0.08	0.75	0.78	1.32	1.61	5.79			
532 - Local government passenger transit	2.8	3.0	0.6	0.0	-	8.4	16.8	0.92	1.00	0.19	0.01	-	2.79	5.59			
508 - Other accommodations	0.1	0.2	0.0	0.0	0.0	13.0	16.5	0.02	0.07	0.01	0.00	0.01	4.34	5.51			
397 - Wholesale - Drugs and druggists' sundries	1.2	1.2	1.0	1.7	3.3	6.7	16.1	0.40	0.39	0.34	0.58	1.10	2.25	5.36			
21 - Coal mining	-	-	-	1.7	-	10.7	15.0	-	-	-	0.58	-	3.57	5.02			
248 - Turned product and screw, nut, and bolt manufacturing	0.8	1.7	0.3	-	0.0	9.7	14.9	0.26	0.58	0.11	-	0.01	3.23	4.97			
11 - Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	0.8	1.0	1.6	0.3	1.6	8.0	14.9	0.25	0.32	0.55	0.11	0.52	2.67	4.96			
136 - Reconstituted wood product manufacturing	-	1.6	-	0.5	1.1	9.2	14.5	-	0.55	-	0.18	0.36	3.07	4.82			
275 - Air conditioning, refrigerator, and warm air heating equipment manufacturing	0.7	1.1	0.2	0.0	0.1	9.7	14.1	0.23	0.36	0.07	0.01	0.03	3.22	4.69			
337 - Wiring device manufacturing	0.0	0.5	0.2	0.0	-	10.3	13.6	0.01	0.18	0.07	0.00	-	3.44	4.54			
307 - Semiconductor and related device manufacturing	0.0	0.1	0.0	0.0	0.0	9.9	12.5	0.00	0.04	0.00	0.00	0.01	3.30	4.17			
93 - Bread and bakery product, except frozen, manufacturing	0.4	1.1	0.5	0.4	0.4	7.7	12.3	0.12	0.38	0.16	0.13	0.13	2.57	4.09			

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years									Average annual employment								
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states				
154 - Petroleum refineries	0.2	1.0	-	4.3	-	5.4	12.2	0.05	0.34	-	1.44	-	1.79	4.06				
186 - Plastics packaging materials and unlaminated film and sheet manufacturing	0.2	0.6	0.0	0.1	0.4	8.8	12.2	0.08	0.20	0.02	0.02	0.13	2.92	4.05				
419 - Pipeline transportation	1.2	1.1	0.1	4.9	1.1	2.7	11.6	0.39	0.38	0.05	1.63	0.37	0.90	3.85				
434 - Wireless telecommunications carriers (except satellite)	0.9	0.9	0.8	0.0	1.2	6.4	11.5	0.31	0.32	0.28	0.00	0.39	2.12	3.85				
424 - Periodical publishers	2.3	0.5	0.7	1.1	1.0	4.8	11.3	0.77	0.17	0.22	0.38	0.33	1.60	3.78				
2 - Grain farming	1.1	1.0	0.7	0.6	0.6	5.3	10.5	0.35	0.35	0.25	0.21	0.18	1.78	3.51				
48 - Natural gas distribution	0.6	0.9	0.7	1.5	0.7	4.7	10.2	0.20	0.30	0.25	0.51	0.24	1.58	3.40				
175 - Paint and coating manufacturing	0.4	0.3	0.1	-	-	7.4	10.0	0.13	0.09	0.03	-	-	2.47	3.32				
352 - Other motor vehicle parts manufacturing	0.2	0.1	0.5	-	0.4	7.1	9.9	0.06	0.05	0.16	-	0.13	2.35	3.30				
253 - Plumbing fixture fitting and trim manufacturing	-	0.1	0.5	-	-	7.4	9.9	-	0.04	0.17	-	-	2.47	3.29				
216 - Iron, steel pipe and tube manufacturing from purchased steel	0.2	0.6	-	0.1	-	7.2	9.8	0.06	0.20	-	0.03	-	2.39	3.26				
501 - Museums, historical sites, zoos, and parks	1.2	1.4	1.1	1.5	1.6	2.6	9.7	0.39	0.47	0.37	0.49	0.54	0.87	3.24				
164 - Plastics material and resin manufacturing	0.1	0.1	0.1	0.0	-	7.5	9.6	0.03	0.04	0.03	0.00	-	2.49	3.20				
88 - Poultry processing	0.4	1.3	0.2	-	1.0	5.5	9.5	0.13	0.42	0.06	-	0.35	1.83	3.16				
506 - Bowling centers	1.7	1.6	1.3	1.5	1.9	1.6	9.4	0.57	0.52	0.43	0.49	0.64	0.52	3.15				
222 - Ferrous metal foundries	0.3	0.4	0.1	-	0.1	6.9	9.4	0.08	0.14	0.04	-	0.02	2.30	3.14				
138 - Cut stock, resawing lumber, and planing	0.1	0.1	-	-	2.9	5.6	9.3	0.02	0.02	-	-	0.96	1.86	3.10				
14 - Animal production, except cattle and poultry and eggs	1.9	1.7	0.3	0.3	0.7	3.6	9.2	0.63	0.55	0.11	0.12	0.22	1.20	3.07				
246 - Spring and wire product manufacturing	0.2	0.8	0.0	0.0	0.0	6.5	9.2	0.08	0.28	0.01	0.00	0.01	2.15	3.05				
435 - Satellite, telecommunications resellers, and all other telecommunications	0.8	0.8	1.1	0.1	0.2	4.8	9.0	0.26	0.28	0.38	0.02	0.06	1.60	2.99				
452 - Video tape and disc rental	1.6	1.3	1.1	1.5	1.7	1.8	9.0	0.54	0.43	0.36	0.49	0.55	0.60	2.99				
213 - Mineral wool manufacturing	0.4	0.0	-	0.6	-	6.2	8.8	0.13	0.01	-	0.20	-	2.08	2.92				
197 - Pottery, ceramics, and plumbing fixture manufacturing	0.0	0.4	0.1	0.0	0.4	6.4	8.8	0.01	0.13	0.03	0.01	0.12	2.12	2.92				
133 - Wood preservation	0.2	0.7	0.7	0.2	2.2	4.2	8.7	0.07	0.25	0.23	0.07	0.74	1.39	2.92				
209 - Gypsum product manufacturing	3.0	1.9	-	-	-	3.1	8.7	1.01	0.62	-	-	-	1.02	2.90				
531 - Other state government enterprises	-	-	0.0	5.1	-	2.8	8.6	-	-	0.02	1.70	-	0.92	2.87				
466 - Photographic services	1.1	0.7	1.1	1.6	1.3	2.5	8.5	0.36	0.22	0.38	0.53	0.44	0.82	2.84				
224 - Copper rolling, drawing, extruding and alloying	0.0	0.0	0.1	-	-	6.5	8.2	0.01	0.01	0.02	-	-	2.17	2.74				
191 - Urethane and other foam product (except polystyrene) manufacturing	0.3	0.3	0.0	-	0.0	5.8	7.8	0.08	0.12	0.01	-	0.00	1.93	2.62				
211 - Cut stone and stone product manufacturing	0.8	2.6	0.8	0.9	2.7	0.6	7.8	0.25	0.86	0.27	0.29	0.91	0.18	2.61				
190 - Polystyrene foam product manufacturing	0.1	0.2	0.2	-	0.2	5.7	7.7	0.04	0.06	0.06	-	0.06	1.89	2.56				
140 - Wood container and pallet manufacturing	0.8	1.3	0.8	0.1	0.6	3.2	7.4	0.25	0.43	0.27	0.04	0.20	1.06	2.48				
217 - Rolled steel shape manufacturing	0.1	0.3	0.2	-	0.4	5.2	7.4	0.04	0.10	0.07	-	0.15	1.73	2.48				
498 - Racing and Track Operation	0.6	2.0	1.1	1.0	0.8	1.4	7.1	0.20	0.66	0.37	0.35	0.28	0.46	2.37				
278 - Cutting tool and machine tool accessory manufacturing	0.2	1.4	0.0	-	0.1	4.3	7.1	0.07	0.48	0.00	-	0.03	1.43	2.36				
432 - Cable and other subscription programming	0.0	0.2	0.1	0.0	-	5.2	6.8	0.01	0.06	0.03	0.01	-	1.75	2.28				
385 - Sign manufacturing	0.2	0.7	0.6	0.6	3.5	1.7	6.8	0.06	0.22	0.19	0.19	1.17	0.55	2.25				
6 - Greenhouse, nursery, and floriculture production	0.2	0.5	0.2	0.1	0.2	4.5	6.8	0.08	0.16	0.06	0.03	0.07	1.50	2.25				
237 - Plate work manufacturing	0.2	0.5	0.3	0.2	0.3	4.2	6.7	0.07	0.17	0.11	0.08	0.10	1.39	2.24				
502 - Amusement parks and arcades	0.7	0.6	0.2	0.3	1.2	3.1	6.7	0.24	0.20	0.07	0.12	0.39	1.04	2.22				
199 - Flat glass manufacturing	0.4	-	0.1	-	-	4.8	6.5	0.12	-	0.05	-	-	1.61	2.17				
155 - Asphalt paving mixture and block manufacturing	1.3	0.2	0.6	-	1.0	2.7	6.3	0.44	0.08	0.22	-	0.34	0.89	2.10				
231 - Iron and steel forging	0.0	0.3	0.0	-	0.2	4.5	6.2	0.01	0.11	0.02	-	0.08	1.51	2.08				
230 - Crown and closure manufacturing and metal stamping	0.1	1.0	-	0.0	0.0	4.1	6.2	0.02	0.32	-	0.01	0.01	1.38	2.07				
305 - Printed circuit assembly (electronic assembly) manufacturing	0.0	0.2	-	0.0	0.1	4.7	6.2	0.00	0.08	-	0.00	0.02	1.58	2.07				
228 - Nonferrous metal foundries	0.2	0.4	0.0	-	0.0	4.5	6.2	0.07	0.12	0.01	-	0.01	1.49	2.06				
528 - Other federal government enterprises	0.2	0.0	0.3	0.9	0.5	3.5	6.2	0.06	0.02	0.12	0.30	0.16	1.16	2.06				
245 - Hardware manufacturing	0.2	0.3	0.0	0.0	0.1	4.3	5.9	0.06	0.11	0.00	0.00	0.03	1.43	1.97				
185 - Other miscellaneous chemical product manufacturing	0.1	0.6	-	-	0.1	4.1	5.9	0.02	0.21	-	-	0.02	1.38	1.96				
41 - Electric power generation - Nuclear	1.0	2.0	-	-	-	2.4	5.9	0.32	0.66	-	-	-	0.79	1.96				
274 - Heating equipment (except warm air furnaces) manufacturing	0.3	1.3	0.1	-	0.1	3.2	5.7	0.08	0.43	0.04	-	0.03	1.06	1.89				
249 - Metal heat treating	0.1	0.3	0.0	-	-	4.2	5.7	0.05	0.11	0.01	-	-	1.39	1.89				
43 - Electric power generation - Wind	2.2	0.6	0.3	1.1	1.1	0.4	5.6	0.72	0.21	0.10	0.38	0.38	0.12	1.86				
426 - Directory, mailing list, and other publishers	1.3	0.2	1.2	0.7	0.3	1.5	5.5	0.44	0.08	0.40	0.22	0.11	0.49	1.83				
222 - Other aluminum rolling, drawing and extruding	0.1	0.1	-	-	0.0	4.2	5.4	0.02	0.04	-	-	0.01	1.39	1.80				
89 - Animal, except poultry, slaughtering	0.9	0.3	1.0	0.0	0.9	1.8	5.2	0.30	0.11	0.34	0.01	0.29	0.61	1.75				
454 - Lessors of nonfinancial intangible assets	0.4	0.6	0.4	0.6	0.6	2.2	5.2	0.13	0.21	0.14	0.20	0.18	0.74	1.73				
202 - Glass product manufacturing made of purchased glass	0.1	1.0	0.0	0.2	0.0	3.0	5.1	0.04	0.34	0.00	0.08	0.00	0.99	1.70				
331 - Switchgear and switchboard apparatus manufacturing	0.1	0.1	0.1	-	0.0	3.9	5.1	0.03	0.03	0.02	-	0.00	1.30	1.70				

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment						
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states
163 - Other basic organic chemical manufacturing	0.2	0.1	0.2	0.0	0.1	3.5	5.0	0.08	0.04	0.06	0.01	0.04	1.18	1.58
87 - Frozen cakes and other pastries manufacturing	0.1	0.3	0.1	0.0	0.1	3.4	4.9	0.04	0.10	0.03	0.02	0.04	1.14	1.64
145 - Paper mills	-	0.4	0.0	-	-	3.5	4.7	-	0.13	0.01	-	-	1.16	1.58
218 - Steel wire drawing	0.2	-	-	-	-	3.6	4.7	0.06	-	-	-	-	1.20	1.56
148 - Paper bag and coated and treated paper manufacturing	0.2	0.4	-	-	-	3.3	4.7	0.05	0.13	-	-	-	1.10	1.55
156 - Asphalt shingle and coating materials manufacturing	0.5	3.1	-	-	-	0.7	4.5	0.16	1.04	-	-	-	0.25	1.52
3 - Vegetable and melon farming	0.1	0.7	0.6	0.4	0.0	2.2	4.5	0.02	0.23	0.20	0.12	0.01	0.75	1.51
335 - Fiber optic cable manufacturing	0.0	0.1	-	0.0	-	3.5	4.5	0.00	0.03	-	0.01	-	1.18	1.50
273 - Air purification and ventilation equipment manufacturing	0.1	0.1	0.0	-	0.8	2.9	4.5	0.03	0.04	0.01	-	0.27	0.96	1.49
416 - Water transportation	0.1	0.2	0.0	0.1	0.1	3.1	4.4	0.02	0.08	0.01	0.05	0.02	1.05	1.48
172 - Pharmaceutical preparation manufacturing	-	0.0	-	-	-	3.5	4.4	-	0.01	-	-	-	1.17	1.47
146 - Paperboard mills	0.0	0.1	-	-	-	3.4	4.3	0.00	0.04	-	-	-	1.13	1.45
4 - Fruit farming	0.0	0.0	-	-	0.0	3.4	4.3	0.00	0.02	-	-	0.01	1.13	1.44
176 - Adhesive manufacturing	0.0	0.4	0.1	-	-	3.0	4.3	0.00	0.12	0.04	-	-	1.01	1.42
313 - Automatic environmental control manufacturing	-	0.6	0.0	-	0.0	2.9	4.3	-	0.20	0.00	-	0.00	0.98	1.42
285 - Pump and pumping equipment manufacturing	0.1	0.4	0.0	-	0.0	2.9	4.2	0.04	0.15	0.02	-	0.01	0.96	1.41
425 - Book/publishers	0.3	1.3	0.2	0.5	0.1	1.5	4.2	0.08	0.43	0.07	0.17	0.03	0.50	1.40
221 - Aluminum sheet, plate, and foil manufacturing	0.7	0.0	-	-	-	2.7	4.1	0.23	0.00	-	-	-	0.90	1.35
37 - Metal mining services	0.0	0.1	0.0	0.3	0.1	2.8	4.0	0.01	0.03	0.01	0.10	0.02	0.95	1.33
348 - Motor vehicle electrical and electronic equipment manufacturing	0.1	0.0	0.1	0.4	0.1	2.5	4.0	0.04	0.02	0.03	0.15	0.05	0.94	1.33
39 - Electric power generation - Hydroelectric	1.2	1.2	-	-	1.5	0.4	4.0	0.40	0.39	-	-	0.48	0.12	1.32
104 - Bottled and canned soft drinks & water	0.3	0.3	0.2	0.5	0.0	2.1	4.0	0.11	0.09	0.08	0.17	0.01	0.69	1.32
106 - Breweries	0.1	0.6	0.1	0.1	0.1	2.3	3.9	0.04	0.21	0.03	0.04	0.03	0.78	1.31
117 - Carpet and rug mills	0.6	0.0	-	-	-	2.6	3.9	0.19	0.01	-	-	-	0.87	1.29
90 - Meat processed from carcasses	0.5	0.4	0.3	0.1	0.2	1.9	3.8	0.16	0.12	0.10	0.04	0.06	0.65	1.27
143 - All other miscellaneous wood product manufacturing	0.1	1.3	0.1	-	0.3	1.6	3.8	0.03	0.45	0.05	-	0.09	0.53	1.26
349 - Motor vehicle transmission and power train parts manufacturing	0.0	0.0	0.0	0.0	-	2.9	3.6	0.00	0.01	0.01	0.00	-	0.96	1.22
189 - Laminated plastics plate, sheet (except packaging), and shape manufacturing	0.1	0.0	-	0.0	-	2.7	3.5	0.05	0.01	-	0.01	-	0.89	1.18
49 - Water, sewage and other systems	0.8	0.1	0.1	0.2	0.9	1.3	3.5	0.25	0.04	0.02	0.07	0.30	0.45	1.18
194 - Tire manufacturing	0.6	0.0	0.0	0.2	0.1	2.0	3.4	0.21	0.01	0.00	0.06	0.03	0.67	1.15
380 - Dental laboratories	0.0	0.1	0.0	-	-	2.7	3.4	0.01	0.02	0.00	-	-	0.89	1.14
196 - Other rubber product manufacturing	0.1	0.3	0.1	-	-	2.3	3.3	0.02	0.09	0.04	-	-	0.78	1.12
210 - Abrasive product manufacturing	0.8	0.4	-	0.1	-	1.7	3.3	0.26	0.13	-	0.03	-	0.56	1.11
234 - Handtool manufacturing	0.1	0.3	-	0.0	-	2.3	3.3	0.04	0.10	-	0.00	-	0.78	1.11
437 - News syndicates, libraries, archives and all other information services	0.1	0.7	0.3	0.1	0.1	1.6	3.3	0.03	0.24	0.11	0.04	0.03	0.53	1.11
162 - Other basic inorganic chemical manufacturing	0.0	-	0.0	-	-	2.6	3.3	0.01	-	0.00	-	-	0.86	1.09
12 - Dairy cattle and milk production	0.1	0.2	0.1	0.0	0.1	2.2	3.3	0.04	0.08	0.02	0.01	0.05	0.72	1.09
187 - Unlaminated plastics profile shape manufacturing	0.0	0.2	-	-	-	2.4	3.2	0.01	0.07	-	-	-	0.80	1.08
159 - Petrochemical manufacturing	-	0.0	-	-	-	2.6	3.2	-	0.00	-	-	-	0.86	1.07
377 - Surgical appliance and supplies manufacturing	0.0	0.1	0.0	-	0.1	2.4	3.2	0.00	0.03	0.00	-	0.03	0.81	1.07
310 - Other electronic component manufacturing	0.0	0.1	0.0	0.0	-	2.4	3.1	0.00	0.02	0.00	0.01	-	0.80	1.03
332 - Relay and industrial control manufacturing	0.0	0.1	-	0.0	0.0	2.3	3.1	0.01	0.04	-	0.01	0.01	0.77	1.03
289 - Overhead cranes, hoists, and monorail systems manufacturing	0.1	0.4	0.1	-	0.2	1.9	3.1	0.04	0.13	0.04	-	0.06	0.62	1.02
338 - Carbon and graphite product manufacturing	0.1	0.0	-	-	-	2.4	3.0	0.02	0.00	-	-	-	0.79	1.00
17 - Commercial fishing	0.0	0.1	-	0.5	-	1.9	2.9	0.01	0.02	-	0.17	-	0.63	0.98
373 - Showcase, partition, shelving, and locker manufacturing	0.0	0.3	0.2	-	0.0	2.0	2.9	0.01	0.09	0.05	-	0.01	0.65	0.97
13 - Poultry and egg production	0.1	0.2	0.0	-	0.1	1.9	2.8	0.04	0.07	0.01	-	0.03	0.63	0.93
336 - Other communication and energy wire manufacturing	-	0.1	0.0	0.0	-	2.1	2.7	-	0.02	0.01	0.00	-	0.71	0.92
212 - Ground or treated mineral and earth manufacturing	-	1.3	0.1	-	-	1.1	2.7	-	0.44	0.02	-	-	0.36	0.91
153 - Support activities for printing	0.1	0.6	0.1	-	-	1.5	2.7	0.02	0.21	0.05	-	-	0.51	0.91
232 - Nonferrous forging	0.0	0.1	0.0	-	0.1	2.1	2.7	0.00	0.03	0.01	-	0.02	0.68	0.90
103 - All other food manufacturing	0.2	0.2	0.1	-	0.0	1.7	2.7	0.07	0.08	0.03	-	0.01	0.58	0.90
107 - Wineries	0.1	0.1	0.0	-	0.1	2.0	2.7	0.02	0.02	0.01	-	0.02	0.67	0.90
353 - Motor vehicle steering, suspension component (except spring), and brake systems manufacturing	0.0	0.1	0.1	0.0	-	2.0	2.7	0.00	0.03	0.03	0.01	-	0.66	0.90
121 - Other textile product mills	0.1	0.3	0.1	-	-	1.8	2.7	0.02	0.11	0.02	-	-	0.60	0.89
391 - All other miscellaneous manufacturing	0.1	0.5	0.0	0.0	0.0	1.7	2.7	0.02	0.17	0.01	0.00	0.00	0.55	0.89
376 - Surgical and medical instrument manufacturing	-	0.3	0.6	0.0	-	1.4	2.6	-	0.10	0.20	0.00	-	0.46	0.88
22 - Copper, nickel, lead, and zinc mining	-	0.0	-	-	-	2.1	2.6	-	0.01	-	-	-	0.70	0.88
330 - Motor and generator manufacturing	0.0	0.2	-	-	-	1.9	2.6	0.01	0.06	-	-	-	0.65	0.88
124 - Cut and sew apparel contractors	-	0.0	-	-	-	2.1	2.6	-	0.00	-	-	-	0.69	0.87

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years								Average annual employment					
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states
15 - Forestry, forest products, and timber tract production	0.0	0.2	0.0	0.0	0.0	1.8	2.5	0.01	0.06	0.00	0.01	0.01	0.61	0.85
169 - Fertilizer mixing	0.0	0.1	0.0	-	0.0	1.9	2.5	0.01	0.03	0.02	-	0.00	0.62	0.84
372 - Office furniture, except wood, manufacturing	0.6	0.1	-	-	-	1.4	2.5	0.21	0.03	-	-	-	0.48	0.83
167 - Nitrogenous fertilizer manufacturing	0.6	0.0	0.1	-	0.2	1.3	2.5	0.20	0.00	0.04	-	0.05	0.43	0.82
82 - Cheese manufacturing	0.0	0.1	-	-	0.1	1.7	2.4	0.01	0.05	-	-	0.04	0.58	0.82
430 - Sound recording Industries	0.2	0.3	0.1	0.1	0.2	1.3	2.4	0.05	0.09	0.03	0.04	0.07	0.44	0.81
347 - Motor vehicle gasoline engine and engine parts manufacturing	0.0	0.0	0.0	-	-	1.9	2.4	0.01	0.01	0.01	-	-	0.64	0.81
351 - Motor vehicle metal stamping	0.1	0.0	0.0	-	-	1.9	2.4	0.02	0.00	0.00	-	-	0.63	0.81
183 - Custom compounding of purchased resins	0.0	0.2	0.0	-	-	1.7	2.4	0.00	0.08	0.00	-	-	0.58	0.80
225 - Nonferrous metal, except copper and aluminum, shaping	0.0	-	-	-	-	1.9	2.4	0.01	-	-	-	-	0.64	0.80
195 - Rubber and plastics hoses and belting manufacturing	0.1	-	0.2	0.0	-	1.6	2.3	0.04	-	0.06	0.00	-	0.55	0.78
371 - Custom architectural woodwork and millwork	0.1	0.2	0.0	0.0	0.0	1.6	2.3	0.02	0.07	0.01	0.01	0.01	0.52	0.77
157 - Petroleum lubricating oil and grease manufacturing	0.2	0.1	0.0	-	-	1.6	2.3	0.06	0.02	0.01	-	-	0.54	0.76
254 - Ball and roller bearing manufacturing	0.1	-	-	-	-	1.7	2.2	0.03	-	-	-	-	0.56	0.73
369 - Institutional furniture manufacturing	0.0	0.2	0.0	0.1	-	1.3	2.1	0.01	0.08	0.01	0.04	-	0.45	0.70
160 - Industrial gas manufacturing	0.1	0.1	0.1	-	-	1.4	2.0	0.03	0.03	0.03	-	-	0.48	0.68
84 - Fluid milk manufacturing	0.3	0.2	0.0	0.1	0.1	1.0	2.0	0.11	0.06	0.02	0.04	0.04	0.34	0.68
78 - Frozen specialties manufacturing	0.2	0.2	0.0	-	0.1	1.2	2.0	0.06	0.07	0.01	-	0.04	0.41	0.67
36 - Support activities for oil and gas operations	-	-	-	1.6	-	0.4	2.0	-	-	-	0.52	-	0.12	0.67
23 - Iron ore mining	-	1.5	-	-	-	0.3	1.9	-	0.51	-	-	-	0.11	0.64
306 - Bare printed circuit board manufacturing	-	0.1	-	-	-	1.4	1.8	-	0.04	-	-	-	0.46	0.62
166 - Artificial and synthetic fibers and filaments manufacturing	-	-	-	-	-	1.5	1.8	-	-	-	-	-	0.49	0.61
333 - Storage battery manufacturing	0.1	-	-	-	-	1.3	1.8	0.04	-	-	-	-	0.45	0.60
54 - Other animal food manufacturing	0.2	0.2	0.1	0.0	0.1	0.9	1.7	0.07	0.06	0.03	0.01	0.02	0.31	0.57
303 - Other communications equipment manufacturing	-	0.0	0.0	-	-	1.4	1.7	-	0.01	0.00	-	-	0.45	0.57
98 - Other snack food manufacturing	0.0	0.2	0.0	0.0	0.0	1.2	1.7	0.01	0.07	0.00	0.00	0.00	0.39	0.57
24 - Gold ore mining	-	-	-	-	0.1	1.3	1.7	-	-	-	-	0.02	0.44	0.57
262 - Construction machinery manufacturing	0.2	0.2	0.0	0.8	0.4	0.1	1.7	0.07	0.07	0.01	0.26	0.12	0.04	0.56
200 - Other pressed and blown glass and glassware manufacturing	0.0	0.0	-	-	-	1.3	1.7	0.01	0.01	-	-	-	0.43	0.56
192 - Plastics bottle manufacturing	0.1	0.0	0.0	0.0	-	1.2	1.7	0.03	0.00	0.00	0.01	-	0.42	0.56
346 - Travel trailer and camper manufacturing	0.3	0.2	0.0	0.1	0.1	0.8	1.7	0.09	0.06	0.00	0.04	0.02	0.28	0.55
370 - Wood office furniture manufacturing	0.0	0.2	0.0	-	0.0	1.1	1.7	0.01	0.06	0.01	-	0.01	0.37	0.55
119 - Textile bag and canvas mills	0.0	0.0	-	0.0	0.1	1.2	1.6	0.00	0.01	-	0.01	0.02	0.41	0.55
110 - Fiber, yarn, and thread mills	-	-	-	-	-	1.3	1.6	-	-	-	-	-	0.44	0.54
289 - Air and gas compressor manufacturing	0.3	0.0	-	-	0.3	0.8	1.6	0.10	0.01	-	-	0.12	0.27	0.54
30 - Other clay, ceramic, refractory minerals mining	-	-	-	0.1	0.3	1.0	1.6	-	-	-	0.04	0.11	0.33	0.54
92 - Seafood product preparation and packaging	-	0.0	0.0	-	-	1.3	1.6	-	0.01	0.00	-	-	0.42	0.53
79 - Canned fruits and vegetables manufacturing	0.0	0.1	0.0	-	-	1.2	1.6	0.01	0.03	0.01	-	-	0.39	0.53
150 - Sanitary paper product manufacturing	0.0	0.0	0.0	-	-	1.2	1.6	0.00	0.01	0.01	-	-	0.41	0.53
168 - Phosphatic fertilizer manufacturing	0.0	-	0.1	-	-	1.2	1.5	0.01	-	0.03	-	-	0.39	0.51
34 - Other nonmetallic minerals	0.0	0.4	0.1	0.0	-	0.8	1.5	0.01	0.14	0.02	0.00	-	0.27	0.51
244 - Metal barrels, drums and pails manufacturing	0.1	0.1	0.0	-	0.0	1.0	1.5	0.04	0.02	0.00	-	0.01	0.35	0.50
389 - Gasket, packing, and sealing device manufacturing	0.0	0.1	-	-	-	1.1	1.5	0.01	0.03	-	-	-	0.36	0.49
1 - Oilseed farming	0.1	0.1	0.0	0.1	0.1	0.9	1.4	0.03	0.03	0.01	0.02	0.02	0.30	0.48
173 - In-vitro diagnostic substance manufacturing	-	0.1	0.0	-	-	1.0	1.4	-	0.05	0.01	-	-	0.33	0.46
178 - Polish and other sanitation good manufacturing	0.0	0.1	-	-	-	1.0	1.4	0.01	0.02	-	-	-	0.35	0.46
219 - Alumina refining and primary aluminum production	-	0.0	-	-	0.0	1.1	1.4	-	0.01	-	-	0.01	0.36	0.46
177 - Soap and other detergent manufacturing	0.0	0.0	0.0	-	0.0	1.0	1.3	0.00	0.01	0.01	-	0.00	0.34	0.44
161 - Synthetic dye and pigment manufacturing	0.0	-	-	-	-	1.0	1.3	0.00	-	-	-	-	0.34	0.43
381 - Jewelry and silverware manufacturing	0.0	0.1	0.0	0.1	0.1	0.7	1.3	0.01	0.03	0.01	0.05	0.04	0.24	0.43
125 - Men's and boys' cut and sew apparel manufacturing	-	0.0	-	-	-	1.0	1.3	-	0.00	-	-	-	0.34	0.42
241 - Power boiler and heat exchanger manufacturing	-	0.0	-	-	0.0	1.0	1.3	-	0.01	-	-	0.01	0.33	0.42
288 - Conveyor and conveying equipment manufacturing	0.1	0.1	0.0	-	0.0	0.9	1.3	0.02	0.03	0.01	-	0.01	0.28	0.42
180 - Toilet preparation manufacturing	0.0	0.1	0.0	-	-	0.9	1.3	0.01	0.02	0.00	-	-	0.31	0.42
182 - Explosives manufacturing	0.0	0.0	-	-	0.1	0.9	1.2	0.01	0.01	-	-	0.04	0.29	0.41
111 - Broadwoven fabric mills	-	-	-	-	-	1.0	1.2	-	-	-	-	-	0.33	0.41
115 - Textile and fabric finishing mills	-	-	-	-	-	1.0	1.2	-	-	-	-	-	0.33	0.41
527 - Federal electric utilities	-	-	-	0.6	-	0.5	1.2	-	-	-	0.21	-	0.16	0.41
233 - Cutlery, utensil, pot, and pan manufacturing	0.0	0.0	-	-	-	0.9	1.2	0.00	0.00	-	-	-	0.31	0.40
243 - Metal cans manufacturing	0.0	0.1	-	-	-	0.9	1.2	0.01	0.03	-	-	-	0.29	0.39

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment							
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	
297 - Scales, balances, and miscellaneous general purpose machinery manufacturing	0.1	0.1	-	-	-	0.0	0.8	1.2	0.02	0.05	-	-	0.01	0.26	0.39
8 - Cotton farming	-	-	-	-	-	-	0.9	1.2	-	-	-	-	-	0.32	0.39
529 - State government passenger transit	-	-	-	-	-	-	0.9	1.2	-	-	-	-	-	0.32	0.39
86 - Ice cream and frozen dessert manufacturing	0.5	0.1	0.0	-	-	-	0.4	1.2	0.17	0.04	0.01	-	-	0.14	0.39
5 - Tree nut farming	-	-	-	-	-	-	0.9	1.2	-	-	-	-	-	0.31	0.39
18 - Commercial hunting and trapping	0.2	0.2	0.1	0.0	0.6	-	0.2	1.1	0.05	0.07	0.02	0.02	0.19	0.05	0.38
366 - Upholstered household furniture manufacturing	-	-	-	-	-	-	0.9	1.1	-	-	-	-	-	0.30	0.37
309 - Electronic connector manufacturing	-	0.0	0.0	-	-	-	0.9	1.1	-	0.01	0.01	-	-	0.28	0.37
279 - Machine tool manufacturing	0.0	0.1	0.0	-	0.1	-	0.7	1.1	0.01	0.02	0.01	-	0.02	0.25	0.37
361 - Boat building	0.1	0.2	0.1	-	-	-	0.6	1.1	0.02	0.08	0.03	-	-	0.19	0.37
314 - Industrial process variable instruments manufacturing	0.0	0.2	-	-	-	0.0	0.7	1.1	0.01	0.06	-	-	0.00	0.24	0.36
284 - Other engine equipment manufacturing	0.0	-	-	0.0	-	-	0.8	1.1	0.01	-	-	0.00	-	0.28	0.36
158 - All other petroleum and coal products manufacturing	-	-	-	-	-	-	0.9	1.1	-	-	-	-	-	0.29	0.36
94 - Cookie and cracker manufacturing	0.1	-	-	0.0	0.0	-	0.7	1.0	0.05	-	-	0.02	0.01	0.22	0.35
324 - Small electrical appliance manufacturing	0.0	-	-	-	-	-	0.8	1.0	0.00	-	-	-	-	0.28	0.35
321 - Software and other prerecorded and record reproducing	-	0.1	0.0	-	-	-	0.8	1.0	-	0.02	0.00	-	-	0.26	0.34
119 - Fabric coating mills	-	0.0	-	-	-	-	0.8	1.0	-	0.00	-	-	-	0.27	0.34
229 - Custom roll forming	-	0.0	0.0	-	-	-	0.8	1.0	-	0.01	0.01	-	-	0.26	0.34
292 - Welding and soldering equipment manufacturing	0.0	0.0	-	-	0.0	-	0.8	1.0	0.01	0.00	-	-	0.00	0.26	0.34
77 - Frozen fruits, juices and vegetables manufacturing	0.0	0.1	0.1	0.0	-	-	0.6	1.0	0.00	0.03	0.04	0.02	-	0.19	0.33
295 - Fluid power cylinder and actuator manufacturing	0.2	0.1	0.0	-	0.0	-	0.5	1.0	0.07	0.02	0.01	-	0.00	0.17	0.32
220 - Secondary smelting and alloying of aluminum	-	0.0	-	-	-	-	0.8	1.0	-	0.01	-	-	-	0.25	0.32
299 - All other industrial machinery manufacturing	0.3	0.0	-	0.0	0.0	0.0	0.4	0.9	0.11	0.02	-	0.00	0.01	0.14	0.31
264 - Oil and gas field machinery and equipment manufacturing	-	-	-	0.1	-	-	0.6	0.9	-	-	-	0.05	-	0.21	0.31
113 - Nonwoven fabric mills	-	-	-	-	-	-	0.7	0.9	-	-	-	-	-	0.25	0.31
298 - Electronic computer manufacturing	-	0.0	-	-	-	-	0.7	0.9	-	0.01	-	-	-	0.24	0.31
277 - Special tool, die, jig, and fixture manufacturing	0.0	0.1	0.0	-	0.0	-	0.6	0.9	0.01	0.03	0.00	-	0.00	0.21	0.31
245 - Motor home manufacturing	0.2	0.1	-	-	0.3	-	0.3	0.9	0.08	0.03	-	-	0.10	0.09	0.30
97 - Roasted nuts and peanut butter manufacturing	0.0	0.1	0.0	0.1	0.0	-	0.5	0.9	0.01	0.02	0.00	0.04	0.01	0.18	0.30
208 - Lime manufacturing	0.1	-	-	-	0.0	-	0.6	0.9	0.03	-	-	-	0.01	0.21	0.30
328 - Other major household appliance manufacturing	0.1	-	-	-	-	-	0.7	0.9	0.02	-	-	-	-	0.23	0.30
300 - Computer terminals and other computer peripheral equipment manufacturing	-	0.1	0.0	-	-	-	0.7	0.9	-	0.02	0.00	-	-	0.22	0.30
68 - Wet corn milling	0.2	0.0	0.0	0.0	-	-	0.4	0.9	0.07	0.02	0.01	0.01	-	0.14	0.29
63 - Dog and cat food manufacturing	0.1	0.0	0.0	-	0.0	-	0.6	0.9	0.02	0.01	0.01	-	0.00	0.19	0.29
296 - Fluid power pump and motor manufacturing	0.1	0.1	-	-	-	-	0.6	0.8	0.02	0.02	-	-	-	0.20	0.28
151 - All other converted paper product manufacturing	0.1	0.0	0.0	0.0	-	-	0.6	0.8	0.02	0.00	0.01	0.01	-	0.20	0.28
102 - Spice and extract manufacturing	0.0	0.0	-	-	-	-	0.6	0.8	0.01	0.00	-	-	-	0.21	0.28
46 - Electric power generation - All other	-	0.6	-	0.0	-	-	0.1	0.8	-	0.22	-	0.02	-	0.03	0.27
171 - Medicinal and botanical manufacturing	0.0	0.0	-	-	-	-	0.6	0.8	0.01	0.00	-	-	-	0.21	0.27
184 - Photographic film and chemical manufacturing	-	0.0	-	0.0	0.0	-	0.6	0.8	-	0.02	-	0.00	0.01	0.19	0.27
76 - Confectionery manufacturing from purchased chocolate	0.0	0.0	-	-	-	-	0.6	0.8	0.00	0.00	-	-	-	0.21	0.26
99 - Coffee and tea manufacturing	-	0.0	-	-	-	-	0.6	0.8	-	0.01	-	-	-	0.20	0.26
181 - Printing ink manufacturing	0.0	0.0	-	-	-	-	0.6	0.8	0.00	0.01	-	-	-	0.20	0.26
382 - Sporting and athletic goods manufacturing	0.0	0.0	-	-	-	-	0.6	0.8	0.00	0.01	-	-	-	0.19	0.25
108 - Distilleries	-	0.0	-	-	-	-	0.6	0.8	-	0.00	-	-	-	0.20	0.25
322 - Electric lamp bulb and part manufacturing	-	-	-	-	-	-	0.6	0.7	-	-	-	-	-	0.20	0.25
340 - Automobile manufacturing	-	0.0	-	-	-	-	0.6	0.7	-	0.01	-	-	-	0.19	0.25
165 - Synthetic rubber manufacturing	-	0.0	-	-	-	-	0.6	0.7	-	0.00	-	-	-	0.20	0.25
356 - Other aircraft parts and auxiliary equipment manufacturing	-	-	-	-	-	-	0.6	0.7	-	-	-	-	-	0.20	0.24
276 - Industrial mold manufacturing	0.0	0.1	-	-	0.0	-	0.4	0.7	0.01	0.05	-	-	0.00	0.14	0.24
127 - Other cut and sew apparel manufacturing	-	0.0	-	-	-	-	0.6	0.7	-	0.01	-	-	-	0.18	0.24
367 - Nonupholstered wood household furniture manufacturing	-	0.0	-	-	0.1	-	0.5	0.7	-	0.00	-	-	0.03	0.17	0.23
126 - Women's and girls' cut and sew apparel manufacturing	-	-	-	-	0.0	-	0.6	0.7	-	-	-	-	0.00	0.18	0.23
282 - Speed changer, industrial high-speed drive, and gear manufacturing	0.0	-	-	-	-	-	0.5	0.7	0.00	-	-	-	-	0.18	0.23
149 - Stationery product manufacturing	0.1	0.1	-	-	0.0	-	0.4	0.7	0.02	0.04	-	-	0.01	0.13	0.23
118 - Curtain and linen mills	-	0.0	-	-	-	-	0.5	0.7	-	0.01	-	-	-	0.18	0.23
329 - Power, distribution, and specialty transformer manufacturing	-	-	-	-	-	-	0.5	0.6	-	-	-	-	-	0.17	0.22
96 - Torilla manufacturing	-	0.1	0.1	-	0.0	-	0.4	0.6	-	0.04	0.03	-	0.00	0.12	0.22

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment						
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states
389 - Broom, brush, and mop manufacturing	0.1	-	0.1	-	0.0	0.4	0.6	0.04	-	0.02	-	0.01	0.12	0.21
384 - Office supplies (except paper) manufacturing	-	0.0	0.0	0.0	0.0	0.4	0.6	-	0.01	0.00	0.01	0.01	0.14	0.21
38 - Other nonmetallic minerals services	0.0	0.0	0.0	0.3	0.0	0.2	0.6	0.01	0.01	0.01	0.09	0.01	0.06	0.20
83 - Dry, condensed, and evaporated dairy product manufacturing	0.0	0.0	0.1	-	-	0.3	0.6	0.01	0.01	0.03	-	-	0.11	0.20
95 - Dry pasta, mixes, and dough manufacturing	0.0	0.0	-	0.0	0.0	0.4	0.6	0.00	0.01	-	0.02	0.00	0.13	0.20
101 - Mayonnaise, dressing, and sauce manufacturing	0.0	-	-	-	-	0.5	0.6	0.00	-	-	-	-	0.16	0.20
223 - Nonferrous metal (except aluminum) smelting and refining	-	-	-	-	-	0.5	0.6	-	-	-	-	-	0.16	0.20
226 - Secondary processing of other nonferrous metals	-	0.0	-	-	-	0.5	0.6	-	0.00	-	-	-	0.16	0.20
308 - Capacitor, resistor, coil, transformer, and other inductor manufacturing	-	-	0.0	-	-	0.5	0.6	-	-	0.00	-	-	0.15	0.19
74 - Nonchocolate confectionery manufacturing	-	0.0	-	-	0.0	0.4	0.6	-	0.01	-	-	0.00	0.14	0.19
301 - Telephone apparatus manufacturing	-	0.0	-	-	-	0.4	0.6	-	0.00	-	-	-	0.15	0.19
283 - Mechanical power transmission equipment manufacturing	-	0.0	-	-	-	0.4	0.5	-	0.00	-	-	-	0.14	0.18
128 - Apparel accessories and other apparel manufacturing	0.0	0.0	-	-	-	0.4	0.5	0.00	0.00	-	-	-	0.14	0.18
379 - Ophthalmic goods manufacturing	-	0.0	-	-	-	0.4	0.5	-	0.01	-	-	-	0.14	0.18
201 - Glass container manufacturing	-	0.0	-	-	-	0.4	0.5	-	0.01	-	-	-	0.13	0.18
350 - Motor vehicle seating and interior trim manufacturing	-	-	0.0	-	-	0.4	0.5	-	-	0.00	-	-	0.14	0.18
319 - Watch, clock, and other measuring and controlling device manufacturing	-	0.0	-	-	-	0.4	0.5	-	0.01	-	-	-	0.13	0.17
31 - Potash, soda, and borate mineral mining	-	-	-	-	-	0.4	0.5	-	-	-	-	-	0.13	0.17
42 - Electric power generation - Solar	0.0	0.1	0.0	-	-	0.2	0.5	0.01	0.05	0.01	-	-	0.07	0.16
65 - Flour milling	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.01	0.02	0.01	0.01	0.01	0.09	0.16
374 - Mattress manufacturing	0.0	0.0	-	-	-	0.3	0.5	0.00	0.01	-	-	-	0.12	0.16
174 - Biological product (except diagnostic) manufacturing	0.0	-	0.0	-	-	0.3	0.5	0.01	-	0.00	-	-	0.12	0.15
170 - Pesticide and other agricultural chemical manufacturing	0.1	0.0	0.0	-	-	0.3	0.4	0.02	0.00	0.00	-	-	0.10	0.15
9 - Sugarcane and sugar beet farming	-	0.1	0.0	0.0	-	0.2	0.4	-	0.02	0.00	0.01	-	0.08	0.14
257 - Small arms, ordnance, and accessories manufacturing	-	0.0	-	-	-	0.3	0.4	-	0.01	-	-	-	0.10	0.14
360 - Ship building and repairing	-	-	-	-	-	0.3	0.4	-	-	-	-	-	0.11	0.14
339 - All other miscellaneous electrical equipment and component manufacturing	-	0.0	-	-	-	0.3	0.4	-	0.00	-	-	-	0.10	0.13
120 - Rope, cordage, twine, tire cord and tire fabric mills	-	0.0	-	-	-	0.3	0.4	-	0.01	-	-	-	0.10	0.13
260 - Farm machinery and equipment manufacturing	0.1	0.0	0.1	0.0	0.0	0.1	0.4	0.03	0.01	0.03	0.01	0.00	0.03	0.12
100 - Flavoring syrup and concentrate manufacturing	-	-	-	-	-	0.3	0.4	-	-	-	-	-	0.10	0.12
383 - Doll, toy, and game manufacturing	-	-	-	0.0	0.0	0.3	0.4	-	-	-	0.01	0.00	0.09	0.12
255 - Small arms ammunition manufacturing	0.0	0.0	0.0	-	-	0.2	0.4	0.00	0.00	0.02	-	-	0.08	0.12
317 - Analytical laboratory instrument manufacturing	-	-	0.0	-	-	0.3	0.3	-	-	0.00	-	-	0.09	0.12
320 - Blank magnetic and optical recording media manufacturing	-	0.0	-	-	-	0.3	0.3	-	0.00	-	-	-	0.09	0.11
112 - Narrow fabric mills and shiffli machine embroidery	-	-	-	-	-	0.3	0.3	-	-	-	-	-	0.09	0.11
32 - Phosphate rock mining	-	-	-	-	-	0.3	0.3	-	-	-	-	-	0.09	0.11
130 - Footwear manufacturing	-	0.0	-	-	-	0.3	0.3	-	0.00	-	-	-	0.09	0.11
45 - Electric power generation - Biomass	0.0	0.2	-	-	-	0.1	0.3	0.01	0.06	-	-	-	0.03	0.11
27 - Other metal ore mining	-	-	-	-	-	0.3	0.3	-	-	-	-	-	0.09	0.11
290 - Industrial truck, trailer, and stacker manufacturing	0.0	0.0	-	-	0.0	0.2	0.3	0.00	0.00	-	-	0.00	0.08	0.10
69 - Soybean and other oilseed processing	0.0	0.0	0.0	-	-	0.2	0.3	0.01	0.01	0.00	-	-	0.06	0.10
81 - Dehydrated food products manufacturing	-	-	-	-	-	0.2	0.3	-	-	-	-	-	0.08	0.10
80 - Canned specialties	-	0.0	-	-	-	0.2	0.3	-	0.00	-	-	-	0.08	0.10
91 - Rendering and meat byproduct processing	-	0.0	0.0	-	0.0	0.2	0.3	-	0.00	0.00	-	0.00	0.07	0.10
71 - Breakfast cereal manufacturing	0.0	0.1	0.0	-	-	0.2	0.3	0.01	0.02	0.00	-	-	0.05	0.10
343 - Motor vehicle body manufacturing	0.1	-	0.0	-	0.1	0.1	0.3	0.02	-	0.00	-	0.04	0.03	0.10
334 - Primary battery manufacturing	-	0.0	-	-	-	0.2	0.3	-	0.00	-	-	-	0.08	0.10
141 - Manufactured home (mobile home) manufacturing	0.0	0.2	0.1	-	-	0.0	0.3	0.00	0.05	0.03	-	-	0.00	0.09
327 - Household laundry equipment manufacturing	-	-	-	-	-	0.2	0.3	-	-	-	-	-	0.08	0.09
291 - Power-driven handtool manufacturing	-	-	-	-	-	0.2	0.3	-	-	-	-	-	0.08	0.09
33 - Other chemical and fertilizer mineral mining	-	-	-	-	-	0.2	0.3	-	-	-	-	-	0.08	0.09
378 - Dental equipment and supplies manufacturing	-	-	-	-	-	0.2	0.3	-	-	-	-	-	0.07	0.09
105 - Manufactured ice	0.0	0.0	0.0	-	-	0.1	0.3	0.01	0.01	0.01	-	-	0.04	0.09
312 - Search, detection, and navigation instruments manufacturing	0.0	0.0	-	-	-	0.2	0.3	0.01	0.00	-	-	-	0.06	0.09
122 - Hosiery and sock mills	-	-	-	-	-	0.2	0.2	-	-	-	-	-	0.07	0.08
311 - Electromedical and electrotherapeutic apparatus manufacturing	-	0.1	-	-	-	0.2	0.2	-	0.02	-	-	-	0.05	0.08

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment						
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states
123 - Other apparel knitting mills	-	0,0	-	-	-	0,2	0,2	-	0,00	-	-	-	0,06	0,08
70 - Fats and oils refining and blending	-	0,0	-	-	-	0,2	0,2	-	0,00	-	-	-	0,06	0,08
109 - Tobacco product manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,06	0,08
341 - Light truck and utility vehicle manufacturing	-	0,0	-	-	-	0,2	0,2	-	0,00	-	-	-	0,06	0,08
302 - Broadcast and wireless communications equipment manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,06	0,07
280 - Rolling mill and other metalworking machinery manufacturing	-	0,0	-	-	0,0	0,2	0,2	-	0,00	-	-	0,00	0,05	0,07
75 - Chocolate and confectionery manufacturing from cacao beans	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,06	0,07
261 - Lawn and garden equipment manufacturing	-	0,1	-	-	0,0	0,1	0,2	-	0,02	-	-	0,01	0,03	0,07
315 - Totalizing fluid meter and counting device manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,06	0,07
131 - Other leather and allied product manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,06	0,07
354 - Aircraft manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,05	0,07
355 - Aircraft engine and engine parts manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,05	0,07
362 - Motorcycle, bicycle, and parts manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,05	0,07
316 - Electricity and signal testing instruments manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,05	0,07
368 - Other household nonupholstered furniture manufacturing	-	0,0	-	-	-	0,2	0,2	-	0,00	-	-	-	0,05	0,07
144 - Pulp mills	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,05	0,07
375 - Blind and shade manufacturing	-	-	-	-	-	0,2	0,2	-	-	-	-	-	0,05	0,06
299 - Computer storage device manufacturing	-	0,0	-	-	-	0,1	0,2	-	0,01	-	-	-	0,05	0,06
293 - Packaging machinery manufacturing	0,0	0,0	-	-	-	0,1	0,2	0,00	0,01	-	-	-	0,03	0,06
364 - All other transportation equipment manufacturing	-	0,0	-	-	-	0,1	0,2	-	0,01	-	-	-	0,04	0,06
304 - Audio and video equipment manufacturing	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,05	0,06
7 - Tobacco farming	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,05	0,06
326 - Household refrigerator and home freezer manufacturing	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,05	0,06
325 - Household cooking appliance manufacturing	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,05	0,06
179 - Surface active agent manufacturing	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,05	0,06
263 - Mining machinery and equipment manufacturing	-	0,0	0,0	0,0	-	0,1	0,2	-	0,00	0,00	0,01	-	0,03	0,06
72 - Beet sugar manufacturing	-	0,0	0,0	0,0	-	0,1	0,2	-	0,01	0,00	0,01	-	0,03	0,05
73 - Sugar cane mills and refining	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,04	0,05
530 - State government electric utilities	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,04	0,05
114 - Knit fabric mills	-	-	-	-	-	0,1	0,2	-	-	-	-	-	0,04	0,05
25 - Silver ore mining	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,04	0,05
281 - Turbine and turbine generator set units manufacturing	0,0	-	-	-	-	0,1	0,1	0,00	-	-	-	-	0,03	0,05
294 - Industrial process furnace and oven manufacturing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,03	0,04
266 - Food product machinery manufacturing	-	0,0	-	-	-	0,1	0,1	-	0,01	-	-	-	0,03	0,04
387 - Musical instrument manufacturing	-	0,0	-	-	0,0	0,1	0,1	-	0,00	-	-	0,00	0,03	0,04
359 - Railroad rolling stock manufacturing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,03	0,04
256 - Ammunition, except for small arms, manufacturing	0,0	-	-	-	-	0,1	0,1	0,00	-	-	-	-	0,03	0,04
66 - Rice milling	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,03	0,04
287 - Elevator and moving stairway manufacturing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,03
427 - Greeting card publishing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,03
85 - Creamery butter manufacturing	-	0,0	0,0	-	-	0,0	0,1	-	0,01	0,00	-	-	0,02	0,03
267 - Sawmill, woodworking, and paper machinery	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,03
44 - Electric power generation - Geothermal	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,03
388 - Fasteners, buttons, needles, and pins manufacturing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,03
268 - Printing machinery and equipment manufacturing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,03
390 - Burial casket manufacturing	0,0	0,0	-	-	-	0,0	0,1	0,00	0,00	-	-	-	0,02	0,03
358 - Propulsion units and parts for space vehicles and guided missiles manufacturing	-	-	-	-	-	0,1	0,1	-	-	-	-	-	0,02	0,02
342 - Heavy duty truck manufacturing	-	0,0	-	-	-	0,0	0,1	-	0,00	-	-	-	0,02	0,02
271 - Photographic and photocopying equipment manufacturing	-	-	-	-	-	0,0	0,1	-	-	-	-	-	0,02	0,02
125 - Leather and hide tanning and finishing	-	-	-	-	-	0,0	0,0	-	-	-	-	-	0,01	0,02
270 - Optical instrument and lens manufacturing	-	-	-	-	-	0,0	0,0	-	-	-	-	-	0,01	0,02
265 - Semiconductor machinery manufacturing	-	-	-	-	-	0,0	0,0	-	-	-	-	-	0,01	0,02
363 - Military armored vehicle, tank, and tank component manufacturing	-	-	-	-	-	0,0	0,0	-	-	-	-	-	0,01	0,02
62 - Maintenance and repair construction of highways, streets, bridges, and tunnels	-	-	-	0,0	0,0	0,0	0,0	-	-	-	0,00	0,00	0,01	0,01

**Project related worker years
and annual jobs by State for
IMPLAN 546 Industries**

Industry	Worker years							Average annual employment							
	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	Iowa	Minnesota	Nebraska	North Dakota	South Dakota	Other states	All states	
357 - Guided missile and space vehicle manufacturing	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.01	0.01
344 - Truck trailer manufacturing	-	-	0.0	-	-	-	0.0	0.0	-	-	0.00	-	-	0.01	0.01
67 - Malt manufacturing	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.01	0.01
318 - Irradiation apparatus manufacturing	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.01	0.01
26 - Uranium-radium-vanadium ore mining	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.01	0.01
546 - * Employment and payroll of federal govt, non-military	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
440 - Owner-occupied dwellings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52 - Construction of new power and communication structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
545 - * Employment and payroll of federal govt, military	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
536 - * Not an industry (Scrap)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59 - Construction of other new residential structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
537 - * Not an industry (Rest of world adjustment)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51 - Construction of new manufacturing structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
542 - * Employment and payroll of local govt, education	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
538 - * Not an industry (Noncomparable foreign imports)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
540 - * Employment and payroll of state govt, hospitals and health services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
539 - * Employment and payroll of state govt, education	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
543 - * Employment and payroll of local govt, hospitals and health services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54 - Construction of new highways and streets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50 - Construction of new health care structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53 - Construction of new educational and vocational structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55 - Construction of new commercial structures, including farm structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
541 - * Employment and payroll of state govt, other services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
58 - Construction of new multifamily residential structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57 - Construction of new single-family residential structures	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
544 - * Employment and payroll of local govt, other services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
535 - * Not an industry (Used and secondhand goods)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All suppliers, contractors and induced workers	5,623.7	4,725.0	4,443.0	5,785.0	6,964.0	6,293.0	33,832.7	1,875	1,575	1,481	1,928	2,321	2,098	11,278	

Notes: Statewide totals do not include the workers directly hired by Summit. See below for these state by state totals.

Summary of Average Income by State for IMPLAN 546 Industries

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Iowa				Minnesota				Nebraska				North Dakota				South Dakota			
	Total employee compensation to wages and salary ratio	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	
1 - Oilseed farming	1.26	\$1,509	\$1,203	\$308	\$1,257	\$1,003	\$257	\$4161	\$3,312	\$850	\$1,155	\$919	\$236	\$1,752	\$1,384	\$368	\$1,155	\$1,284	\$358	
2 - Grain farming	1.26	\$18,129	\$14,428	\$3,701	\$16,003	\$12,736	\$3,267	\$30,837	\$24,541	\$6,295	\$14,638	\$11,649	\$2,988	\$19,579	\$15,982	\$3,597	\$19,579	\$15,982	\$3,597	
3 - Vegetable and melon farming	1.26	\$23,292	\$18,537	\$4,755	\$21,604	\$17,193	\$4,411	\$30,234	\$24,061	\$6,172	\$19,692	\$15,672	\$4,020	\$23,799	\$18,940	\$4,859	\$23,799	\$18,940	\$4,859	
4 - Fruit farming	1.26	\$17,962	\$14,295	\$3,667	\$16,570	\$13,187	\$3,383	\$23,928	\$19,043	\$4,885	\$15,104	\$12,020	\$3,084	\$18,466	\$14,696	\$3,770	\$18,466	\$14,696	\$3,770	
5 - Tree nut farming	1.26	\$18,754	\$14,925	\$3,829	\$16,999	\$13,529	\$3,471	\$27,492	\$21,879	\$5,613										
6 - Greenhouse, nursery, and floriculture production	1.26	\$34,619	\$27,551	\$7,068	\$33,639	\$26,772	\$6,868	\$37,057	\$29,492	\$7,566	\$30,559	\$24,320	\$6,239	\$33,769	\$26,875	\$6,894	\$33,769	\$26,875	\$6,894	
9 - Sugarcane and sugar beet farming	1.26				\$41,060	\$32,677	\$8,383	\$55,316	\$44,023	\$11,293	\$37,407	\$29,770	\$7,637							
10 - All other crop farming	1.26	\$7,207	\$5,736	\$1,471	\$6,151	\$4,896	\$1,256	\$15,719	\$12,509	\$3,209	\$5,640	\$4,488	\$1,151	\$8,108	\$6,453	\$1,655	\$8,108	\$6,453	\$1,655	
11 - Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	1.26	\$1,894	\$1,507	\$387	\$1,581	\$1,258	\$323	\$5,106	\$4,064	\$1,042	\$1,451	\$1,155	\$296	\$2,193	\$1,745	\$448	\$2,193	\$1,745	\$448	
12 - Dairy cattle and milk production	1.26	\$21,132	\$16,817	\$4,314	\$19,321	\$15,376	\$3,945	\$29,408	\$23,404	\$6,004	\$17,629	\$14,030	\$3,599	\$21,935	\$17,457	\$4,478	\$21,935	\$17,457	\$4,478	
13 - Poultry and egg production	1.26	\$34,294	\$27,293	\$7,001	\$31,247	\$24,868	\$6,379	\$48,582	\$38,664	\$9,918	\$28,520	\$22,697	\$5,823	\$35,731	\$28,437	\$7,295	\$35,731	\$28,437	\$7,295	
14 - Animal production, except cattle and poultry and eggs	1.26	\$12,080	\$9,613	\$2,466	\$10,452	\$8,318	\$2,134	\$23,622	\$18,799	\$4,823	\$9,573	\$7,619	\$1,954	\$13,363	\$10,635	\$2,728	\$13,363	\$10,635	\$2,728	
15 - Forestry, forest products, and timber tract production	1.25	\$70,817	\$56,592	\$14,225	\$56,985	\$45,539	\$11,446	\$69,896	\$55,856	\$14,040	\$43,971	\$35,139	\$8,832	\$43,464	\$34,716	\$8,748	\$43,464	\$34,716	\$8,748	
16 - Commercial logging	1.25	\$18,307	\$14,629	\$3,677	\$29,163	\$23,305	\$5,858	\$25,912	\$20,707	\$5,205	\$66,634	\$53,249	\$13,385	\$24,942	\$19,470	\$5,472	\$24,942	\$19,470	\$5,472	
17 - Commercial fishing	1.25	\$3,481	\$2,782	\$699	\$4,729	\$3,779	\$950				\$5,561	\$2,845	\$2,715							
18 - Commercial hunting and trapping	1.25	\$8,581	\$6,857	\$1,724	\$11,947	\$9,547	\$2,400	\$0	\$0	\$0	\$8,284	\$6,620	\$1,664	\$1,515	\$1,211	\$304	\$1,515	\$1,211	\$304	
19 - Support activities for agriculture and forestry	1.25	\$22,207	\$17,708	\$4,499	\$21,697	\$17,301	\$4,395	\$23,860	\$19,027	\$4,834	\$24,283	\$19,364	\$4,919	\$18,804	\$14,995	\$3,809	\$18,804	\$14,995	\$3,809	
20 - Oil and gas extraction	1.20	\$0	\$0	\$0	\$5,155	\$4,294	\$861	\$4,365	\$3,635	\$729	\$82,619	\$68,816	\$13,803	\$2,046	\$1,704	\$342	\$2,046	\$1,704	\$342	
21 - Coal mining	1.23				\$167,093	\$136,066	\$31,027				\$118,331	\$96,358	\$21,973							
22 - Copper, nickel, lead, and zinc mining	1.23				\$104,031	\$84,713	\$19,317													
23 - Iron ore mining	1.23				\$368,674	\$300,215	\$68,459													
24 - Gold ore mining	1.23				\$153,410	\$124,923	\$28,487				\$94,317	\$76,803	\$17,514							
26 - Uranium-radium-vanadium ore mining	1.23				\$341,417	\$278,019	\$63,397													
27 - Other metal ore mining	1.23				\$77,594	\$63,186	\$14,408				\$67,290	\$54,795	\$12,495							
28 - Stone mining and quarrying	1.23	\$70,564	\$57,461	\$13,103	\$78,342	\$63,795	\$14,547	\$70,686	\$57,560	\$13,126	\$83,668	\$68,131	\$15,536	\$61,678	\$50,225	\$11,453	\$61,678	\$50,225	\$11,453	
29 - Sand and gravel mining	1.23				\$51,711	\$42,109	\$9,602	\$63,368	\$51,601	\$11,767	\$83,674	\$68,136	\$15,537	\$72,875	\$59,343	\$13,532	\$72,875	\$59,343	\$13,532	
30 - Other clay, ceramic, refractory minerals mining	1.23				\$8,682	\$7,591	\$1,091	\$12,405	\$10,846	\$1,559	\$23,511	\$20,596	\$2,915	\$123,462	\$107,942	\$15,520	\$14,181	\$12,398	\$1,783	
34 - Other nonmetallic minerals	1.14	\$4,483	\$3,920	\$564	\$10,015	\$8,756	\$1,259	\$23,238	\$20,317	\$2,921	\$118,118	\$103,270	\$14,848	\$13,599	\$11,884	\$1,715	\$13,599	\$11,884	\$1,715	
36 - Support activities for oil and gas operations	1.14	\$0	\$0	\$0	\$20,659	\$18,062	\$2,597	\$3,926	\$3,432	\$493	\$47,311	\$40,970	\$6,341	\$6,844	\$5,984	\$860	\$6,844	\$5,984	\$860	
38 - Other nonmetallic minerals services	1.14	\$18,823	\$17,332	\$1,491	\$14,360	\$12,535	\$1,825	\$3,926	\$3,432	\$493	\$75,944	\$66,398	\$9,547	\$1,840	\$1,609	\$231	\$1,840	\$1,609	\$231	
39 - Electric power generation - Hydroelectric	1.38	\$141,902	\$102,480	\$39,422	\$127,048	\$98,142	\$28,906							\$152,673	\$110,259	\$42,414				
40 - Electric power generation - Fossil fuel	1.38	\$155,737	\$112,472	\$43,265	\$171,529	\$123,877	\$47,652	\$130,789	\$94,455	\$36,334	\$170,121	\$122,860	\$47,261	\$148,623	\$107,334	\$41,289				
41 - Electric power generation - Nuclear	1.38	\$198,475	\$139,726	\$58,749	\$186,579	\$134,746	\$51,833													
42 - Electric power generation - Solar	1.38	\$125,962	\$90,969	\$34,993	\$119,567	\$86,350	\$33,217	\$109,596	\$79,149	\$30,447										
43 - Electric power generation - Wind	1.38	\$133,111	\$96,132	\$36,979	\$157,824	\$113,979	\$43,845	\$114,208	\$82,480	\$31,728				\$123,616	\$89,274	\$34,341	\$133,256	\$96,237	\$37,020	
45 - Electric power generation - Biomass	1.38	\$94,607	\$68,324	\$26,283	\$156,085	\$112,724	\$43,362													
46 - Electric power generation - All other	1.38				\$202,350	\$146,136	\$56,215				\$151,028	\$109,071	\$41,957							
47 - Electric power transmission and distribution	1.38	\$134,837	\$97,378	\$37,459	\$175,331	\$126,622	\$48,708	\$121,337	\$87,628	\$33,708	\$151,827	\$109,648	\$42,179	\$133,342	\$96,298	\$37,043	\$133,342	\$96,298	\$37,043	
48 - Natural gas distribution	1.38	\$144,876	\$104,628	\$40,248	\$147,223	\$108,223	\$40,000	\$207,916	\$150,155	\$57,761	\$191,006	\$137,943	\$53,063	\$131,138	\$94,750	\$36,388	\$131,138	\$94,750	\$36,388	
49 - Water, sewage and other systems	1.38	\$82,605	\$59,656	\$22,948	\$99,632	\$71,953	\$27,678	\$58,379	\$42,161	\$16,218	\$129,241	\$93,337	\$35,904	\$82,610	\$59,660	\$22,950	\$82,610	\$59,660	\$22,950	
50 - Construction of new health care structures	1.18	\$43,482	\$36,724	\$6,758	\$53,311	\$45,025	\$8,285	\$41,800	\$35,304	\$6,496	\$56,628	\$47,827	\$8,801	\$38,581	\$32,585	\$5,996	\$38,581	\$32,585	\$5,996	
51 - Construction of new manufacturing structures	1.18	\$46,320	\$39,121	\$7,199	\$54,774	\$46,261	\$8,513	\$43,041	\$36,352	\$6,689	\$57,009	\$48,149	\$8,860	\$39,713	\$33,541	\$6,172	\$39,713	\$33,541	\$6,172	
52 - Construction of new power and communication structures	1.18	\$44,352	\$37,459	\$6,893	\$54,264	\$45,831	\$8,433	\$41,685	\$35,207	\$6,479	\$73,539	\$62,110	\$11,429	\$38,414	\$32,444	\$5,970	\$38,414	\$32,444	\$5,970	
53 - Construction of new educational and vocational structures	1.18	\$48,020	\$40,557	\$7,463	\$56,858	\$48,021	\$8,837	\$46,338	\$39,153	\$7,205	\$57,929	\$48,926	\$9,003	\$40,512	\$34,216	\$6,296	\$40,512	\$34,216	\$6,296	
54 - Construction of new highways and streets	1.18	\$45,183	\$38,161	\$7,022	\$55,256	\$46,668	\$8,588	\$45,241	\$38,210	\$7,031	\$57,491	\$48,556	\$8,935	\$38,940	\$32,888	\$6,052	\$38,940	\$32,888	\$6,052	
55 - Construction of new commercial structures, including farm structures	1.18	\$42,594	\$35,975	\$6,620	\$51,738	\$43,697	\$8,041	\$40,822	\$34,478	\$6,344	\$55,488	\$46,864	\$8,624	\$37,803	\$31,928	\$5,875	\$37,803	\$31,928	\$5,875	
56 - Construction of other new nonresidential structures	1.18	\$43,635	\$36,853	\$6,782	\$53,351	\$45,090	\$8,262	\$41,908	\$35,395	\$6,513	\$55,691	\$47,086	\$8,605	\$37,546	\$31,711	\$5,835	\$37,546	\$31,711	\$5,835	
57 - Construction of new single-family residential structures	1.18	\$42,768	\$36,121	\$6,647	\$52,040	\$43,952	\$8,088	\$40,764	\$34,429	\$6,335	\$55,682	\$47,028	\$8,654	\$36,498	\$30,826	\$5,672	\$36,498	\$30,826	\$5,672	
58 - Construction of new multifamily residential structures	1.18	\$43,006	\$36,322	\$6,684	\$52,394	\$44,252	\$8,143	\$41,006	\$34,633	\$6,373	\$56,088	\$47,371	\$8,717	\$36,885	\$31,153	\$5,733	\$36,885	\$31,153	\$5,733	
59 - Construction of other new residential structures	1.18	\$43,814	\$37,005	\$6,809	\$53,179	\$44,914	\$8,265	\$41,873	\$35,365	\$6,508	\$56,558	\$47,768	\$8,790	\$37,585	\$31,744	\$5,841	\$37,585	\$31,744	\$5,841	
60 - Maintenance and repair construction of nonresidential structures	1.18	\$43,505	\$36,743	\$6,761	\$53,133	\$44,876	\$8,258	\$41,500	\$35,050	\$6,450	\$56,809	\$47,980	\$8,829	\$37,523	\$31,692	\$5,832	\$37,523	\$31,692	\$5,832	
61 - Maintenance and repair construction of residential structures	1.18	\$41,079	\$34,695	\$6,384	\$49,708	\$41,982	\$7,725	\$39,516	\$33,375	\$6,141	\$53,201	\$44,993	\$8,208	\$35,915	\$30,333	\$5,582	\$35,915	\$30,333	\$5,582	
62 - Maintenance and repair construction of highways, streets, bridges, and tunnels	1.18	\$45,085	\$38,078	\$7,007	\$55,433	\$46,818	\$8,615	\$43,055	\$36,363	\$6,691	\$58,862	\$49,714	\$9,148	\$39,278	\$33,173	\$6,104	\$39,278	\$33,173	\$6,104	
63 - Dog and cat food manufacturing	1.24	\$94,620	\$76,508	\$18,112	\$70,533	\$57,032	\$13,501	\$78,852	\$63,758	\$15,094				\$81,019	\$65,511	\$15,508				
64 - Other animal food manufacturing	1.24	\$68,485	\$59,633	\$8,852	\$															

Summary of Average Income by State for IMPLAN 546 Industries

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Iowa				Minnesota				Nebraska				North Dakota				South Dakota			
	Total employee compensation to wages and salary ratio	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	
68 - Wet corn milling	1.24	\$11,550	\$90,199	\$21,353	\$101,941	\$81,619	\$39,222	\$121,010	\$97,846	\$33,163	\$103,706	\$83,855	\$19,851	\$19,851						
69 - Soybean and other oilseed processing	1.24	\$93,524	\$75,622	\$17,902	\$96,075	\$77,685	\$18,390	\$86,028	\$69,969	\$16,469	\$86,088	\$69,617	\$16,481	\$69,720	\$78,215	\$18,516				
70 - Fats and oils refining and blending	1.24	\$75,442	\$61,001	\$14,441	\$74,119	\$59,932	\$14,188	\$74,119	\$59,932	\$14,188	\$78,232	\$63,257	\$14,975	\$97,067	\$78,487	\$18,580				
71 - Breakfast cereal manufacturing	1.24	\$119,225	\$96,403	\$22,822	\$120,567	\$97,488	\$23,078	\$140,458	\$113,572	\$26,886	\$95,914	\$75,938	\$17,977							
72 - Beet sugar manufacturing	1.24				\$86,293	\$69,775	\$16,518	\$74,736	\$60,430	\$14,306	\$80,063	\$64,738	\$15,325							
73 - Sugar cane mills and refining	1.24				\$113,724	\$91,955	\$21,769													
74 - Nonchocolate confectionery manufacturing	1.24	\$22,611	\$18,283	\$4,328	\$68,536	\$55,417	\$13,119	\$59,594	\$48,187	\$11,407	\$67,478	\$54,561	\$12,916	\$60,855	\$49,207	\$11,648				
75 - Chocolate and confectionery manufacturing from cacao beans	1.24	\$84,765	\$68,540	\$16,225	\$80,183	\$64,835	\$15,348													
76 - Confectionery manufacturing from purchased chocolate	1.24	\$58,731	\$47,489	\$11,242	\$40,704	\$32,913	\$7,791	\$51,891	\$41,959	\$9,933	\$56,202	\$47,870	\$11,332	\$19,246	\$15,962	\$3,684				
77 - Frozen fruits, juices and vegetables manufacturing	1.24	\$72,392	\$58,535	\$13,857	\$66,898	\$54,093	\$12,805	\$54,419	\$44,002	\$10,417	\$76,277	\$61,676	\$14,601							
78 - Frozen specialties manufacturing	1.24	\$70,068	\$56,656	\$13,412	\$60,064	\$48,566	\$11,497	\$52,706	\$42,817	\$10,089	\$25,473	\$20,597	\$4,876	\$57,540	\$46,526	\$11,014				
79 - Canned fruits and vegetables manufacturing	1.24	\$75,883	\$61,358	\$14,525	\$70,965	\$57,381	\$13,584	\$59,274	\$47,928	\$11,346	\$85,078	\$68,793	\$16,285							
80 - Canned specialties	1.24				\$78,467	\$63,447	\$15,020													
81 - Dehydrated food products manufacturing	1.24				\$62,621	\$50,634	\$11,987	\$54,562	\$44,118	\$10,444	\$78,190	\$63,223	\$14,967							
82 - Cheese manufacturing	1.24	\$71,090	\$57,483	\$13,608	\$76,392	\$61,769	\$14,623	\$37,643	\$30,438	\$7,206				\$73,486	\$56,420	\$14,067				
83 - Dry, condensed, and evaporated dairy product manufacturing	1.24	\$111,156	\$89,879	\$21,277	\$72,283	\$58,447	\$13,836	\$79,192	\$64,034	\$15,159				\$70,219	\$56,778	\$13,441				
84 - Fluid milk manufacturing	1.24	\$78,052	\$63,111	\$14,940	\$84,314	\$68,175	\$16,139	\$68,804	\$55,634	\$13,170	\$80,335	\$73,044	\$17,292	\$61,345	\$49,603	\$11,742				
85 - Creamery butter manufacturing	1.24				\$65,015	\$52,570	\$12,445	\$63,870	\$51,644	\$12,226	\$83,740	\$67,711	\$16,029							
86 - Ice cream and frozen dessert manufacturing	1.24	\$78,719	\$63,651	\$15,068	\$101,002	\$81,669	\$19,334	\$55,877	\$45,181	\$10,696										
87 - Frozen cakes and other pastries manufacturing	1.24	\$29,817	\$24,109	\$5,707	\$33,222	\$26,863	\$6,359	\$31,659	\$25,599	\$6,060	\$28,116	\$22,734	\$5,382	\$27,115	\$21,925	\$5,190				
88 - Poultry processing	1.24	\$58,950	\$47,666	\$11,284	\$57,176	\$46,232	\$10,945	\$55,986	\$45,269	\$10,717				\$45,615	\$36,884	\$8,732				
89 - Animal, except poultry, slaughtering	1.24	\$65,343	\$52,835	\$12,508	\$64,405	\$52,077	\$12,328	\$62,227	\$49,359	\$12,868	\$43,630	\$35,278	\$8,351	\$65,423	\$52,900	\$12,523				
90 - Meat processed from carcasses	1.24	\$66,027	\$53,388	\$12,639	\$70,509	\$57,012	\$13,497	\$59,236	\$47,914	\$11,343	\$53,810	\$43,510	\$10,300	\$59,469	\$48,086	\$11,383				
91 - Rendering and meat byproduct processing	1.24	\$69,495	\$56,192	\$13,302	\$82,164	\$66,437	\$15,728	\$82,164	\$66,437	\$15,728	\$65,633	\$53,070	\$12,563							
92 - Seafood product preparation and packaging	1.24	\$19,880	\$16,075	\$3,805	\$50,214	\$40,602	\$9,612	\$52,231	\$42,233	\$9,998										
93 - Bread and bakery product, except frozen, manufacturing	1.24	\$31,731	\$25,657	\$6,074	\$38,594	\$31,207	\$7,388	\$48,001	\$38,813	\$9,188	\$41,029	\$33,176	\$7,854	\$27,083	\$21,858	\$5,175				
94 - Cookie and cracker manufacturing	1.24	\$56,881	\$45,993	\$10,888	\$72,722	\$58,802	\$13,920				\$68,961	\$55,761	\$13,200	\$60,939	\$49,275	\$11,665				
95 - Dry pasta, mixes, and dough manufacturing	1.24	\$76,083	\$61,479	\$14,554	\$73,439	\$58,381	\$14,057	\$71,684	\$57,962	\$13,721	\$67,886	\$54,973	\$12,914	\$62,533	\$50,563	\$11,970				
96 - Tortilla manufacturing	1.24				\$56,286	\$45,312	\$10,974	\$56,204	\$45,446	\$10,758				\$49,189	\$39,854	\$9,435				
97 - Roasted nuts and peanut butter manufacturing	1.24	\$72,542	\$58,656	\$13,886	\$73,208	\$59,194	\$14,013	\$68,072	\$55,042	\$13,030	\$60,665	\$49,052	\$11,612	\$55,320	\$44,731	\$10,589				
98 - Other snack food manufacturing	1.24	\$82,082	\$66,370	\$15,712	\$71,404	\$57,736	\$13,668	\$64,419	\$52,088	\$12,331	\$65,018	\$52,573	\$12,446	\$58,943	\$47,660	\$11,283				
99 - Coffee and tea manufacturing	1.24	\$34,623	\$27,996	\$6,627	\$83,226	\$67,780	\$15,046	\$29,406	\$23,777	\$5,629	\$51,229	\$41,423	\$9,806							
100 - Flavoring syrup and concentrate manufacturing	1.24	\$85,651	\$69,256	\$16,395	\$147,541	\$119,299	\$28,242													
101 - Mayonnaise, dressing, and sauce manufacturing	1.24	\$61,297	\$49,563	\$11,733	\$74,864	\$60,534	\$14,330	\$68,017	\$54,997	\$13,020										
102 - Spice and extract manufacturing	1.24	\$77,840	\$62,040	\$15,800	\$71,238	\$57,602	\$13,636	\$82,117	\$66,388	\$15,729	\$66,448	\$53,729	\$12,719							
103 - All other food manufacturing	1.24	\$69,021	\$55,810	\$13,212	\$65,134	\$52,667	\$12,468	\$66,066	\$45,324	\$10,732	\$45,988	\$37,161	\$8,797	\$47,124	\$38,112	\$9,022				
104 - Bottled and canned soft drinks & water	1.24	\$73,152	\$59,150	\$14,003	\$84,834	\$68,596	\$16,239	\$60,333	\$48,785	\$11,549	\$63,571	\$51,403	\$12,169	\$38,701	\$31,293	\$7,408				
105 - Manufactured ice	1.24	\$56,863	\$45,170	\$11,693	\$50,832	\$41,102	\$9,730	\$44,964	\$36,357	\$8,607	\$45,756	\$36,998	\$8,758	\$29,745	\$24,052	\$5,694				
106 - Breweries	1.24	\$30,571	\$24,719	\$5,852	\$44,038	\$35,624	\$8,413	\$24,629	\$19,914	\$4,714	\$29,796	\$24,092	\$5,703	\$28,823	\$23,306	\$5,517				
107 - Wineries	1.24	\$21,302	\$17,224	\$4,077	\$26,763	\$21,640	\$5,123	\$20,484	\$16,563	\$3,921	\$15,481	\$12,518	\$2,963	\$29,720	\$24,031	\$5,689				
108 - Distilleries	1.24	\$54,183	\$43,812	\$10,372	\$58,285	\$47,128	\$11,157	\$25,115	\$20,308	\$4,807	\$65,486	\$52,951	\$12,535	\$20,947	\$16,937	\$4,010				
109 - Tobacco product manufacturing	1.24																			
110 - Fiber, yarn, and thread mills	1.20				\$27,210	\$22,626	\$4,584	\$43,246	\$35,960	\$7,286	\$34,289	\$28,521	\$5,779	\$28,106	\$22,726	\$5,380				
111 - Broadwoven fabric mills	1.20				\$40,023	\$33,280	\$6,743	\$50,876	\$42,305	\$8,572										
112 - Narrow fabric mills and shirt machine embroidery	1.20	\$48,591	\$40,404	\$8,186	\$40,111	\$33,353	\$6,758													
113 - Nonwoven fabric mills	1.20				\$48,637	\$40,442	\$8,194	\$63,969	\$53,192	\$10,777										
114 - Knit fabric mills	1.20	\$47,351	\$39,374	\$7,978	\$39,651	\$32,970	\$6,680													
115 - Textile and fabric finishing mills	1.20	\$53,656	\$44,616	\$9,040	\$26,108	\$21,709	\$4,399	\$34,199	\$28,437	\$5,762										
116 - Fabric coating mills	1.20				\$31,265	\$23,277	\$7,988													
117 - Carpet and rug mills	1.20	\$34,144	\$28,391	\$5,753	\$43,452	\$36,131	\$7,321													
118 - Curtain and linen mills	1.20	\$34,220	\$28,455	\$5,765	\$37,880	\$31,331	\$6,548	\$38,510	\$32,022	\$6,488	\$22,653	\$18,837	\$3,817	\$21,814	\$18,139	\$3,675				
119 - Textile bag and canvas mills	1.20	\$55,892	\$46,476	\$9,417	\$41,477	\$34,489	\$6,988	\$39,812	\$33,104	\$6,707	\$62,107	\$51,643	\$10,464	\$51,879	\$43,138	\$8,740				
120 - Ropa, cordage, twine, tire cord and tire fabric mills	1.20				\$68,202	\$56,711	\$11,490				\$26,103	\$21,708	\$4,398							
121 - Other textile product mills	1.20	\$43,042	\$35,790	\$7,252	\$51,936	\$43,186	\$8,750	\$41,004	\$34,096	\$6,908	\$45,025	\$37,440	\$7,586	\$27,184	\$22,604	\$4,580				
122 - Hosiery and sock mills	1.23	\$36,171	\$29,398	\$6,772	\$23,017	\$18,708	\$4,309	\$31,115	\$15,936	\$15,179	\$19,613	\$15,941	\$3,672	\$18,960	\$15,410	\$3,550				
123 - Other apparel knitting mills	1.23	\$39,072	\$31,757	\$7,315	\$18,814	\$15,252	\$3,562	\$19,115	\$15,936	\$3,179	\$19,613	\$15,941	\$3,672	\$18,960	\$15,410	\$3,550				
124 - Cut and sew apparel contractors	1.23	\$24,503	\$19,915	\$4,588	\$18,685	\$15,155	\$3,530	\$17,821	\$14,484	\$3,337	\$11,402	\$9,268	\$2,135	\$6,179	\$5,022	\$1,157				
125 - Men's and boys' cut and sew apparel manufacturing	1.23	\$41,241	\$33,519	\$7,722	\$20,455	\$16,626	\$3,830	\$19,115	\$15,936	\$3,179	\$19,613	\$15,941	\$3,672	\$18,960	\$15,410	\$3,550				
126 - Women's and girls' cut and sew apparel manufacturing	1.23	\$19,814	\$16,104	\$3,710	\$19,420	\$15,784	\$3,636	\$17,195	\$13,976	\$3,219	\$8,711	\$7,080	\$1,631	\$3,600	\$2,926	\$674				
127 - Other cut and sew apparel manufacturing	1.23																			

**Summary of Average Income by State for
IMPLAN 546 Industries**

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Iowa				Minnesota				Nebraska				North Dakota				South Dakota			
	Total employee wages and salary	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	
129 - Leather and hide tanning and finishing	1.23	\$34,120	\$27,732	\$6,388	\$65,132	\$53,750	\$12,382	\$55,826	\$45,387	\$10,454	\$28,942	\$23,523	\$5,419	\$16,965	\$13,813	\$3,152	\$46,058	\$37,435	\$8,624	
130 - Footwear manufacturing	1.23				\$77,669	\$63,127	\$14,542	\$28,942	\$23,523	\$5,419	\$16,965	\$13,813	\$3,152							
131 - Other leather and allied product manufacturing	1.23	\$33,928	\$27,575	\$6,352	\$63,543	\$51,646	\$11,897	\$46,018	\$37,402	\$8,616							\$39,218	\$31,875	\$7,343	
132 - Sawmills	1.24	\$48,254	\$38,917	\$9,337	\$40,417	\$32,597	\$7,820	\$44,475	\$35,870	\$8,605							\$53,201	\$42,907	\$10,294	
133 - Wood preservation	1.24	\$52,497	\$42,339	\$10,158	\$70,468	\$56,833	\$13,635	\$52,477	\$42,323	\$10,154				\$33,250	\$26,816	\$6,433	\$53,437	\$43,097	\$10,339	
134 - Veneer and plywood manufacturing	1.24	\$52,702	\$42,305	\$10,397	\$54,784	\$44,184	\$10,600	\$36,359	\$29,324	\$7,035										
135 - Engineered wood member and truss manufacturing	1.24	\$61,455	\$49,564	\$11,891	\$52,842	\$42,618	\$10,224	\$53,021	\$42,762	\$10,259	\$49,895	\$40,241	\$9,654	\$56,060	\$45,213	\$10,847				
136 - Reconstituted wood product manufacturing	1.24				\$82,995	\$66,936	\$16,059													
137 - Wood windows and door manufacturing	1.24	\$68,767	\$55,462	\$13,305	\$67,227	\$54,219	\$13,008	\$49,567	\$39,976	\$9,591	\$48,713	\$35,255	\$13,458	\$56,462	\$45,538	\$10,925	\$59,815	\$48,242	\$11,574	
138 - Cut stock, resawing lumber, and planing	1.24	\$42,660	\$34,406	\$8,254	\$28,475	\$22,965	\$5,510										\$49,023	\$39,538	\$9,485	
139 - Other millwork, including flooring	1.24	\$61,705	\$49,766	\$11,939	\$50,433	\$40,675	\$9,758	\$48,772	\$39,335	\$9,437	\$51,735	\$41,725	\$10,010	\$24,750	\$19,961	\$4,789				
140 - Wood container and pallet manufacturing	1.24	\$50,228	\$40,510	\$9,718	\$48,693	\$39,271	\$9,421	\$43,215	\$34,853	\$8,362	\$49,657	\$40,049	\$9,608	\$48,414	\$39,047	\$9,368				
141 - Manufactured home	1.24	\$40,135	\$32,369	\$7,766	\$49,323	\$39,780	\$9,543	\$51,195	\$41,289	\$9,906	\$50,730	\$40,914	\$9,816							
142 - Prefabricated wood building manufacturing	1.24	\$61,119	\$49,293	\$11,826	\$48,887	\$44,267	\$10,620	\$48,123	\$38,812	\$9,311	\$30,775	\$24,820	\$5,955	\$53,826	\$43,411	\$10,415				
143 - All other miscellaneous wood product manufacturing	1.24	\$39,082	\$31,520	\$7,562	\$50,002	\$40,327	\$9,675	\$50,538	\$40,760	\$9,779	\$49,538	\$39,953	\$9,585	\$52,324	\$42,200	\$10,124				
144 - Pulp mills	1.23				\$11,814	\$9,825	\$2,089													
145 - Paper mills	1.23				\$115,223	\$93,594	\$21,629	\$77,141	\$62,860	\$14,480										
146 - Paper board mills	1.23	\$107,926	\$87,585	\$20,340	\$113,214	\$91,962	\$21,252													
147 - Paper board container manufacturing	1.23	\$87,739	\$71,269	\$16,470	\$97,521	\$71,099	\$16,429	\$71,828	\$58,345	\$13,483	\$62,859	\$51,059	\$11,799	\$72,233	\$58,674	\$13,559				
148 - Paper bag and coated and treated paper manufacturing	1.23	\$87,521	\$71,092	\$16,429	\$89,911	\$73,033	\$16,878	\$46,931	\$38,121	\$8,810										
149 - Stationery product manufacturing	1.23	\$61,012	\$49,559	\$11,453	\$69,171	\$75,682	\$13,490										\$62,087	\$50,433	\$11,655	
150 - Sanitary paper product manufacturing	1.23	\$90,573	\$73,571	\$17,002	\$96,287	\$78,213	\$18,074	\$6,463	\$52,501	\$12,133										
151 - All other converted paper product manufacturing	1.23	\$59,731	\$48,518	\$11,212	\$68,946	\$56,004	\$12,942	\$46,477	\$37,753	\$8,724	\$62,031	\$50,387	\$11,644							
152 - Printing	1.21	\$33,357	\$44,115	\$10,758	\$48,485	\$56,788	\$11,623	\$51,297	\$42,539	\$8,758	\$46,929	\$38,917	\$8,012	\$52,229	\$43,312	\$8,917	\$58,508	\$48,514	\$9,998	
153 - Support activities for printing	1.21	\$61,252	\$51,276	\$10,577	\$65,324	\$79,038	\$13,716	\$54,799	\$45,443	\$9,356										
154 - Petroleum refineries	1.53	\$104,681	\$68,393	\$36,288	\$255,338	\$167,218	\$88,121				\$185,616	\$121,273	\$64,344							
155 - Asphalt paving mixture and block manufacturing	1.53	\$119,256	\$77,916	\$41,340	\$155,384	\$101,520	\$53,864	\$45,660	\$29,832	\$15,828				\$29,592	\$19,334	\$10,258				
156 - Asphalt shingle and coating materials manufacturing	1.53	\$128,569	\$84,001	\$44,568	\$156,727	\$102,398	\$54,329													
157 - Petroleum lubricating oil and grease manufacturing	1.53	\$135,547	\$88,560	\$46,987	\$149,168	\$97,459	\$51,709	\$38,420	\$25,102	\$13,318										
159 - Petrochemical manufacturing	1.30				\$95,517	\$73,418	\$22,100													
160 - Industrial gas manufacturing	1.30	\$144,999	\$111,451	\$33,548	\$121,586	\$93,455	\$28,131	\$75,564	\$58,081	\$17,483										
161 - Synthetic dye and pigment manufacturing	1.30	\$101,005	\$77,636	\$23,369	\$64,568	\$49,652	\$14,916													
162 - Other basic inorganic chemical manufacturing	1.30	\$117,489	\$90,306	\$27,183	\$91,419	\$70,267	\$21,151	\$144,708	\$111,223	\$33,480	\$113,749	\$87,431	\$26,318							
163 - Other basic organic chemical manufacturing	1.30	\$108,867	\$83,679	\$25,188	\$113,067	\$86,607	\$26,460	\$101,833	\$78,272	\$23,561	\$101,741	\$78,201	\$23,540	\$88,164	\$67,766	\$20,398				
164 - Plastics material and resin manufacturing	1.30	\$176,325	\$135,506	\$40,819	\$96,320	\$73,812	\$22,508	\$95,946	\$73,747	\$22,199	\$66,311	\$50,968	\$15,342							
165 - Synthetic rubber manufacturing	1.30	\$92,412	\$71,091	\$21,321	\$101,308	\$78,329	\$22,978							\$93,929	\$72,197	\$21,732				
166 - Artificial and synthetic fibers and filaments manufacturing	1.30	\$87,903	\$67,565	\$20,338																
167 - Nitrogenous fertilizer manufacturing	1.30	\$144,350	\$110,952	\$33,398	\$94,342	\$72,514	\$21,828	\$142,763	\$109,732	\$33,031				\$98,003	\$75,328	\$22,675				
168 - Phosphatic fertilizer manufacturing	1.30	\$107,753	\$82,823	\$24,930	\$113,067	\$86,607	\$26,460	\$126,474	\$97,212	\$29,262										
169 - Fertilizer mixing	1.30	\$67,849	\$52,151	\$15,698	\$90,299	\$68,407	\$20,892	\$91,673	\$70,463	\$21,210				\$63,647	\$48,921	\$14,726				
170 - Pesticide and other agricultural chemical manufacturing	1.30	\$113,881	\$87,533	\$26,348	\$94,190	\$64,711	\$19,479	\$113,001	\$86,857	\$26,145	\$60,752	\$46,696	\$14,056							
171 - Medicinal and botanical manufacturing	1.30	\$123,440	\$94,880	\$28,560	\$109,092	\$83,852	\$25,240	\$120,881	\$92,913	\$27,968	\$84,703	\$65,106	\$19,598	\$79,194	\$60,871	\$18,323				
172 - Pharmaceutical preparation manufacturing	1.30	\$97,697	\$75,093	\$22,604	\$111,846	\$85,968	\$25,878	\$129,088	\$99,221	\$29,867	\$72,192	\$55,489	\$16,703	\$72,028	\$55,363	\$16,665				
173 - In-vitro diagnostic substance manufacturing	1.30	\$82,416	\$63,348	\$19,069	\$137,150	\$105,417	\$31,732	\$107,669	\$82,757	\$24,911										
174 - Biological product manufacturing	1.30	\$101,592	\$78,087	\$23,505	\$105,339	\$80,367	\$24,972	\$102,340	\$78,662	\$23,678	\$74,926	\$57,591	\$17,336							
175 - Paint and coating manufacturing	1.30	\$88,723	\$68,202	\$20,520	\$93,984	\$64,532	\$29,452	\$88,491	\$68,017	\$20,474										
176 - Adhesive manufacturing	1.30	\$98,925	\$76,083	\$22,842	\$130,958	\$139,090	\$41,868													
177 - Soap and other detergent manufacturing	1.30	\$63,801	\$49,040	\$14,762	\$76,072	\$58,471	\$17,601	\$75,846	\$58,298	\$17,548	\$65,129	\$50,060	\$15,069	\$56,878	\$43,718	\$13,160				
178 - Polish and other sanitation good manufacturing	1.30	\$55,597	\$42,734	\$12,863	\$94,851	\$72,906	\$21,946	\$92,644	\$71,209	\$21,435				\$84,940	\$65,288	\$19,652				
180 - Toilet preparation manufacturing	1.30	\$89,273	\$68,618	\$20,655	\$110,414	\$84,868	\$25,546	\$88,935	\$67,613	\$21,322	\$44,879	\$34,495	\$10,383				\$62,534	\$48,066	\$14,468	
181 - Printing ink manufacturing	1.30	\$69,938	\$53,756	\$16,181	\$100,344	\$77,128	\$23,216	\$68,712	\$52,814	\$15,898										
182 - Explosives manufacturing	1.30	\$71,847	\$55,224	\$16,623	\$125,343	\$96,348	\$29,000										\$72,563	\$55,774	\$16,789	
183 - Custom compounding of purchased resins	1.30	\$67,929	\$52,212	\$15,717	\$97,362	\$74,836	\$22,526	\$33,561	\$25,796	\$7,765										
184 - Photographic film and chemical manufacturing	1.30				\$120,296	\$92,463	\$27,833	\$8,804	\$6,767	\$2,037	\$49,474	\$38,027	\$11,447	\$69,237	\$53,218	\$16,019				
185 - Other miscellaneous chemical product manufacturing	1.30	\$100,934	\$77,581	\$23,353	\$121,502	\$93,390	\$28,112	\$53,609	\$41,206	\$12,403				\$74,822	\$57,511	\$17,311				
186 - Plastics packaging materials and unlaminated film and sheet manufacturing	1.23	\$108,026	\$87,935	\$20,091	\$74,826	\$60,910	\$13,916	\$74,012	\$60,247	\$13,765	\$61,154	\$49,780	\$11,374	\$74,207	\$60,406	\$13,801				
187 - Unlaminated plastics profile shape manufacturing	1.23	\$67,048	\$54,578	\$12,470	\$79,855	\$65,003	\$14,852													

Summary of Average Income by State for IMPLAN 546 Industries

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Total employee compensation to wages and salary ratio	Iowa			Minnesota			Nebraska			North Dakota			South Dakota		
		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax
188 - Plastics pipe and pipe fitting manufacturing	1.23	\$65,365	\$53,208	\$12,157	\$90,021	\$73,279	\$16,742	\$66,489	\$54,123	\$12,366	\$78,785	\$64,132	\$14,653	\$69,185	\$56,317	\$12,867
189 - Laminated plastics plate, sheet	1.23	\$60,960	\$49,622	\$11,337	\$67,167	\$50,605	\$16,562	\$30,975	\$25,214	\$5,761	\$59,753	\$48,640	\$11,113			
190 - Polystyrene foam product manufacturing	1.23	\$54,435	\$44,311	\$10,124	\$63,827	\$51,956	\$11,871	\$65,579	\$53,383	\$12,197				\$59,123	\$48,127	\$10,996
191 - Urethane and other foam product	1.23	\$54,110	\$44,046	\$10,063	\$61,186	\$49,807	\$11,380	\$65,972	\$53,702	\$12,270				\$59,356	\$48,317	\$11,039
192 - Plastics bottle manufacturing	1.23	\$67,372	\$54,842	\$12,530	\$56,319	\$45,845	\$10,474	\$57,996	\$47,210	\$10,786	\$59,827	\$48,700	\$11,127	\$68,624	\$55,861	\$12,763
193 - Other plastics product manufacturing	1.23	\$67,726	\$51,060	\$16,666	\$72,713	\$59,190	\$13,523	\$57,817	\$47,064	\$10,753	\$68,072	\$55,412	\$12,660	\$50,815	\$41,365	\$9,451
194 - Tire manufacturing	1.23	\$86,586	\$70,482	\$16,103	\$73,587	\$59,901	\$13,686	\$88,243	\$71,832	\$16,412	\$65,668	\$53,455	\$12,213	\$55,068	\$44,827	\$10,242
195 - Rubber and plastics hoses and belting manufacturing	1.23	\$74,566	\$60,698	\$13,868	\$88,885	\$72,354	\$16,531	\$78,450	\$63,960	\$14,590	\$58,319	\$47,472	\$10,846			
196 - Other rubber product manufacturing	1.23	\$62,686	\$51,027	\$11,658	\$74,785	\$60,876	\$13,909	\$68,040	\$55,385	\$12,654				\$43,322	\$35,265	\$8,057
197 - Pottery, ceramics, and plumbing fixture manufacturing	1.23	\$64,335	\$52,335	\$12,000	\$41,231	\$33,541	\$7,691	\$58,834	\$47,860	\$10,974	\$66,166	\$53,824	\$12,342	\$96,386	\$78,408	\$17,978
198 - Brick, tile, and other structural clay product manufacturing	1.23	\$52,498	\$42,706	\$9,792	\$78,040	\$63,484	\$14,556	\$62,754	\$51,049	\$11,705	\$70,606	\$57,496	\$13,170	\$101,998	\$82,873	\$19,025
199 - Flat glass manufacturing	1.23	\$80,973	\$65,870	\$15,103				\$68,098	\$55,396	\$12,702						
200 - Other pressed and blown glass and glassware manufacturing	1.23	\$83,648	\$68,046	\$15,602				\$75,209	\$61,180	\$14,028						
201 - Glass container manufacturing	1.23				\$89,272	\$72,621	\$16,651									
202 - Glass product manufacturing made of purchased glass	1.23	\$66,645	\$54,214	\$12,431	\$74,696	\$60,763	\$13,933	\$50,133	\$40,782	\$9,351	\$70,341	\$57,220	\$13,120	\$101,544	\$82,604	\$18,940
203 - Cement manufacturing	1.23	\$102,313	\$83,229	\$19,084				\$106,646	\$86,754	\$19,892	\$92,267	\$75,057	\$17,210	\$94,971	\$77,256	\$17,714
204 - Ready-mix concrete manufacturing	1.23	\$75,858	\$61,893	\$13,965	\$85,283	\$69,376	\$15,907	\$72,084	\$58,639	\$13,445	\$85,839	\$69,928	\$15,911	\$72,438	\$58,943	\$13,495
205 - Concrete block and brick manufacturing	1.23	\$65,586	\$53,961	\$11,625	\$84,232	\$62,251	\$11,981	\$68,228	\$47,967	\$10,261	\$66,511	\$54,105	\$12,406	\$61,933	\$50,381	\$11,552
206 - Concrete pipe manufacturing	1.23	\$61,190	\$49,777	\$11,413	\$65,862	\$52,926	\$12,936	\$78,879	\$63,841	\$15,038	\$67,302	\$54,749	\$12,553	\$69,498	\$56,535	\$12,963
207 - Other concrete product manufacturing	1.23	\$57,562	\$46,825	\$10,737	\$77,126	\$62,740	\$14,386	\$60,424	\$49,153	\$11,270	\$73,561	\$59,840	\$13,721	\$65,065	\$52,929	\$12,136
208 - Lime manufacturing	1.23	\$99,009	\$76,393	\$22,616										\$131,590	\$107,045	\$24,545
209 - Gypsum product manufacturing	1.23	\$91,403	\$74,354	\$17,049	\$96,338	\$79,996	\$16,342									
210 - Abrasive product manufacturing	1.23	\$81,598	\$66,378	\$15,220	\$74,343	\$60,477	\$13,867				\$89,691	\$72,961	\$16,729			
211 - Cut stone and stone product manufacturing	1.23	\$54,738	\$44,528	\$10,210	\$67,436	\$54,857	\$12,578	\$60,102	\$48,892	\$11,210	\$60,557	\$49,261	\$11,295	\$56,950	\$46,328	\$10,623
212 - Ground or treated mineral and earth manufacturing	1.23				\$96,709	\$78,670	\$18,038	\$72,067	\$58,625	\$13,442						
213 - Mineral wool manufacturing	1.23	\$91,796	\$74,665	\$17,120	\$65,314	\$53,131	\$12,183				\$100,328	\$81,614	\$18,714			
214 - Miscellaneous nonmetallic mineral products manufacturing	1.23	\$84,570	\$68,796	\$15,774	\$77,112	\$62,729	\$14,383	\$57,116	\$46,462	\$10,653	\$93,063	\$75,705	\$17,359	\$64,376	\$52,368	\$12,008
215 - Iron and steel mills and ferroalloy manufacturing	1.23	\$105,851	\$86,092	\$19,760	\$121,852	\$99,105	\$22,747	\$142,976	\$116,286	\$26,690	\$83,051	\$67,547	\$15,503	\$93,466	\$76,018	\$17,448
216 - Iron, steel pipe and tube manufacturing from purchased steel	1.23	\$70,942	\$57,699	\$13,243	\$73,597	\$59,858	\$13,739				\$66,354	\$53,968	\$12,387			
217 - Rolled steel shape manufacturing	1.23	\$70,757	\$57,549	\$13,209	\$75,749	\$61,609	\$14,140	\$113,258	\$92,115	\$21,142				\$74,506	\$60,598	\$13,908
218 - Steel wire drawing	1.23	\$84,866	\$69,024	\$15,842												
219 - Aluminum refining and primary aluminum production	1.23				\$105,544	\$85,842	\$19,702							\$87,711	\$71,338	\$16,373
220 - Secondary smelting and alloying of aluminum	1.23				\$81,746	\$66,486	\$15,260									
221 - Aluminum sheet, plate, and foil manufacturing	1.23	\$119,209	\$96,956	\$22,253	\$67,082	\$54,559	\$12,522									
222 - Other aluminum rolling, drawing and extruding	1.23	\$81,793	\$66,524	\$15,269	\$72,464	\$58,936	\$13,527							\$61,080	\$49,678	\$11,402
224 - Copper rolling, drawing, extruding and alloying	1.23	\$88,070	\$71,630	\$16,440	\$94,518	\$76,874	\$17,644	\$116,609	\$94,841	\$21,768						
225 - Nonferrous metal, except copper and aluminum, shaping	1.23	\$97,576	\$79,361	\$18,215												
226 - Secondary processing of other nonferrous metals	1.23	\$87,990	\$71,564	\$16,425	\$96,879	\$78,794	\$18,085				\$68,498	\$55,711	\$12,787			
227 - Ferrous metal foundries	1.23	\$88,088	\$71,644	\$16,444	\$90,829	\$65,740	\$25,089	\$60,856	\$49,496	\$11,360				\$67,580	\$54,964	\$12,615
228 - Nonferrous metal foundries	1.23	\$69,845	\$56,807	\$13,038	\$94,895	\$69,048	\$25,848	\$53,954	\$43,882	\$10,072	\$57,831	\$47,036	\$10,796	\$60,849	\$49,460	\$11,389
229 - Custom roll forming	1.21				\$88,372	\$73,285	\$15,087	\$69,236	\$57,416	\$11,820						
230 - Crown and closure manufacturing and metal stamping	1.21	\$64,027	\$53,096	\$10,931	\$68,137	\$56,504	\$11,632	\$59,741	\$49,542	\$10,199	\$43,895	\$36,401	\$7,494	\$53,191	\$44,110	\$9,081
231 - Iron and steel forging	1.23	\$67,783	\$55,114	\$12,650	\$83,037	\$67,536	\$15,501	\$66,146	\$53,798	\$12,348				\$60,702	\$49,371	\$11,332
232 - Nonferrous forging	1.23	\$58,281	\$47,401	\$10,880	\$72,880	\$59,275	\$13,605	\$57,015	\$46,371	\$10,643				\$50,953	\$41,441	\$9,512
233 - Cutlery, utensil, pot, and pan manufacturing	1.21	\$105,422	\$87,424	\$17,998	\$111,840	\$92,746	\$19,094									
234 - Handtool manufacturing	1.21	\$70,075	\$58,112	\$11,963	\$74,229	\$61,556	\$12,673	\$66,169	\$46,579	\$9,589	\$70,122	\$58,151	\$11,971	\$24,537	\$20,348	\$4,189
235 - Prefabricated metal buildings and components manufacturing	1.21	\$73,329	\$60,810	\$12,519	\$89,269	\$74,029	\$15,240	\$72,670	\$60,264	\$12,406	\$54,263	\$44,999	\$9,264	\$73,028	\$60,561	\$12,468
236 - Fabricated structural metal manufacturing	1.21	\$73,054	\$60,582	\$12,472	\$77,475	\$64,248	\$13,227	\$80,469	\$66,731	\$13,738	\$75,586	\$62,682	\$12,904	\$63,723	\$52,844	\$10,879
237 - Pipe work manufacturing	1.21	\$69,961	\$58,417	\$11,544	\$73,450	\$60,877	\$12,573	\$73,563	\$61,004	\$12,559	\$69,898	\$57,940	\$11,928	\$69,701	\$57,801	\$11,900
238 - Metal window and door manufacturing	1.21	\$67,108	\$55,651	\$11,457	\$77,142	\$63,972	\$13,170	\$61,107	\$50,675	\$10,432	\$67,117	\$55,659	\$11,458	\$45,370	\$37,676	\$7,694
239 - Sheet metal work manufacturing	1.21	\$66,045	\$54,769	\$11,275	\$75,515	\$62,623	\$12,892	\$60,199	\$50,004	\$10,194	\$63,636	\$52,772	\$10,864	\$59,631	\$48,450	\$11,180
240 - Ornamental and architectural metal work manufacturing	1.21	\$57,105	\$47,356	\$9,749	\$79,900	\$66,176	\$13,724	\$44,581	\$36,970	\$7,611	\$48,998	\$40,633	\$8,365	\$53,205	\$44,205	\$9,000
241 - Power boiler and heat exchanger manufacturing	1.21	\$75,738	\$62,808	\$12,930	\$81,971	\$67,977	\$13,994							\$64,455	\$53,451	\$11,004
242 - Metal tank	1.21	\$72,620	\$60,222	\$12,398	\$87,946	\$72,932	\$15,014	\$70,642	\$58,287	\$12,355	\$61,875	\$51,312	\$10,563	\$73,968	\$61,340	\$12,628
243 - Metal ions manufacturing	1.21	\$84,700	\$70,240	\$14,460	\$83,419	\$69,178	\$14,242	\$85,899	\$71,234	\$14,665						
244 - Metal barrels, drums and pails manufacturing	1.21	\$61,754	\$51,211	\$10,543	\$72,038	\$59,740	\$12,299	\$62,864	\$52,132	\$10,732	\$65,119	\$54,001	\$11,117	\$56,643	\$46,972	\$9,670

Summary of Average Income by State for IMPLAN 546 Industries

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Iowa				Minnesota			Nebraska			North Dakota			South Dakota		
	Total employee compensation to wages and salary ratio	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax
245 - Hardware manufacturing	1.21	\$68,324	\$57,489	\$11,835	\$58,406	\$48,433	\$9,971	\$59,873	\$49,851	\$10,022	\$74,323	\$61,633	\$12,689	\$61,599	\$51,083	\$10,516
246 - Spring and wire product manufacturing	1.21	\$53,501	\$44,699	\$8,802	\$75,288	\$62,435	\$12,853	\$45,342	\$37,642	\$7,749	\$66,501	\$55,148	\$11,353	\$54,964	\$45,380	\$9,584
247 - Machine shops	1.21	\$66,465	\$55,118	\$11,347	\$76,420	\$63,374	\$13,047	\$99,858	\$49,639	\$10,219	\$62,730	\$52,021	\$10,709	\$59,675	\$49,658	\$10,017
248 - Turned product and screw, nut, and bolt manufacturing	1.21	\$66,023	\$54,752	\$11,272	\$79,284	\$65,748	\$13,536	\$53,151	\$44,077	\$9,074				\$41,058	\$34,049	\$7,010
249 - Metal heat treating	1.21	\$68,797	\$57,052	\$11,745	\$72,509	\$60,130	\$12,379	\$61,593	\$75,956	\$15,637						
250 - Metal coating and nonprecious engraving	1.21	\$51,195	\$42,455	\$8,740	\$57,923	\$48,034	\$9,889	\$56,047	\$46,478	\$9,568	\$52,824	\$43,806	\$9,018	\$46,551	\$38,604	\$7,947
251 - Electroplating, anodizing, and coloring metal	1.21	\$58,454	\$48,474	\$9,979	\$64,597	\$53,569	\$11,028	\$70,975	\$58,858	\$12,117	\$64,741	\$53,688	\$11,053	\$54,509	\$45,203	\$9,306
252 - Valve and fittings, other than plumbing, manufacturing	1.21	\$89,308	\$74,061	\$15,247	\$107,666	\$89,285	\$18,381	\$59,260	\$49,143	\$10,117	\$59,709	\$49,515	\$10,194	\$53,927	\$44,720	\$9,207
253 - Plumbing fixture fitting and trim manufacturing	1.21				\$113,294	\$83,952	\$19,342	\$74,915	\$62,125	\$12,790						
254 - Ball and roller bearing manufacturing	1.21	\$59,638	\$49,440	\$10,198												
255 - Small arms ammunition manufacturing	1.21	\$57,092	\$47,345	\$9,747	\$84,777	\$70,304	\$14,473	\$81,878	\$67,899	\$13,978				\$99,643	\$82,632	\$17,011
256 - Ammunition, except for small arms, manufacturing	1.21	\$83,668	\$69,384	\$14,284												
257 - Small arms, ordnance, and accessories manufacturing	1.21	\$63,650	\$52,784	\$10,867	\$143,613	\$119,095	\$24,518	\$84,416	\$70,004	\$14,412	\$55,221	\$45,793	\$9,427	\$52,519	\$43,553	\$8,966
258 - Fabricated pipe and pipe fitting manufacturing	1.21	\$58,517	\$48,526	\$9,990	\$87,533	\$72,590	\$14,944	\$56,030	\$46,465	\$9,566	\$52,584	\$43,607	\$8,977	\$97,415	\$80,784	\$16,631
259 - Other fabricated metal manufacturing	1.21	\$61,885	\$51,320	\$10,565	\$66,659	\$55,279	\$11,380	\$56,891	\$47,178	\$9,713	\$57,021	\$47,286	\$9,735	\$51,172	\$42,435	\$8,738
260 - Farm machinery and equipment manufacturing	1.22	\$97,988	\$80,118	\$17,870	\$73,620	\$60,194	\$13,426	\$79,555	\$65,047	\$14,509	\$84,504	\$69,093	\$15,411	\$56,830	\$46,466	\$10,364
261 - Lawn and garden equipment manufacturing	1.22	\$77,467	\$63,340	\$14,128	\$78,414	\$64,114	\$14,301	\$65,207	\$53,315	\$11,892				\$59,499	\$48,648	\$10,851
262 - Construction machinery manufacturing	1.22	\$68,312	\$50,382	\$17,929	\$91,660	\$74,943	\$16,716	\$73,505	\$60,100	\$13,405	\$62,538	\$51,133	\$11,405	\$73,172	\$59,827	\$13,345
263 - Mining machinery and equipment manufacturing	1.22	\$66,571	\$54,430	\$12,141	\$112,819	\$82,244	\$20,575	\$77,520	\$63,382	\$14,137	\$86,515	\$78,913	\$17,602			
264 - Oil and gas field machinery and equipment manufacturing	1.22	\$88,162	\$72,084	\$16,078	\$77,893	\$63,688	\$14,206	\$102,278	\$83,625	\$18,653	\$84,536	\$69,119	\$15,417			
265 - Semiconductor machinery manufacturing	1.22				\$174,914	\$143,015	\$31,899									
266 - Food product machinery manufacturing	1.22	\$71,437	\$58,409	\$13,028	\$104,950	\$85,810	\$19,140	\$68,512	\$56,017	\$12,495	\$71,532	\$58,486	\$13,045	\$92,269	\$75,441	\$16,827
267 - Sawmill, woodworking, and paper machinery	1.22	\$70,130	\$57,340	\$12,790	\$82,497	\$67,452	\$15,045				\$73,011	\$59,696	\$13,315	\$92,269	\$75,441	\$16,827
268 - Printing machinery and equipment manufacturing	1.22				\$75,397	\$61,647	\$13,750									
269 - All other industrial machinery manufacturing	1.22	\$75,975	\$62,119	\$13,856	\$100,059	\$81,811	\$18,248	\$58,987	\$48,229	\$10,758	\$73,612	\$60,187	\$13,425	\$93,118	\$76,136	\$16,982
270 - Optical instrument and lens manufacturing	1.22	\$78,258	\$63,986	\$14,272	\$74,737	\$61,107	\$13,630	\$150,573	\$123,113	\$27,460						
271 - Photographic and photocopying equipment manufacturing	1.22				\$126,313	\$103,277	\$23,036	\$141,156	\$115,413	\$25,743				\$101,124	\$82,682	\$18,442
272 - Other commercial service industry machinery manufacturing	1.22	\$61,168	\$50,013	\$11,155	\$104,900	\$85,770	\$19,131	\$68,278	\$55,826	\$12,452	\$82,677	\$67,599	\$15,078	\$66,584	\$51,170	\$11,414
273 - Air purification and ventilation equipment manufacturing	1.22	\$63,595	\$51,997	\$11,598	\$78,558	\$64,231	\$14,327	\$67,158	\$54,911	\$12,248				\$64,421	\$52,672	\$11,749
274 - Heating equipment	1.22	\$67,238	\$54,976	\$12,262	\$62,112	\$50,784	\$11,327	\$66,261	\$54,177	\$12,084				\$45,128	\$36,898	\$8,230
275 - Air conditioning, refrigeration, and warm air heating equipment manufacturing	1.22	\$68,895	\$56,331	\$12,565	\$89,530	\$73,202	\$16,328	\$66,182	\$54,112	\$12,070	\$47,412	\$38,766	\$8,647	\$68,022	\$55,617	\$12,405
276 - Industrial mold manufacturing	1.22	\$65,904	\$53,885	\$12,019	\$82,342	\$67,325	\$15,017	\$71,396	\$58,376	\$13,021				\$70,773	\$57,866	\$12,907
277 - Special tool, die, jig, and fixture manufacturing	1.22	\$80,455	\$65,782	\$14,673	\$79,048	\$64,632	\$14,416	\$75,942	\$62,093	\$13,850				\$75,834	\$62,004	\$13,830
278 - Cutting tool and machine tool accessory manufacturing	1.22	\$70,330	\$57,503	\$12,826	\$91,377	\$74,712	\$16,665	\$61,577	\$50,347	\$11,230				\$67,206	\$54,950	\$12,257
279 - Machine tool manufacturing	1.22	\$68,246	\$55,800	\$12,446	\$85,958	\$70,282	\$15,676	\$71,919	\$58,803	\$13,116				\$64,049	\$52,368	\$11,681
280 - Rolling mill and other metalworking machinery manufacturing	1.22	\$82,755	\$67,662	\$15,092	\$72,336	\$59,144	\$13,192	\$72,188	\$59,023	\$13,165				\$78,711	\$64,356	\$14,355
281 - Turbine and turbine generator set units manufacturing	1.22	\$78,559	\$64,232	\$14,327				\$80,933	\$74,349	\$16,584	\$71,361	\$58,346	\$13,014	\$67,917	\$55,531	\$12,386
282 - Speed changer, industrial high-speed drive, and gear manufacturing	1.22	\$107,435	\$87,842	\$19,593	\$53,605	\$43,829	\$9,776	\$67,563	\$55,241	\$12,322				\$76,558	\$62,596	\$13,962
283 - Mechanical power transmission equipment manufacturing	1.22				\$90,057	\$73,633	\$16,424	\$67,537	\$55,221	\$12,317						
284 - Other engine equipment manufacturing	1.22	\$148,287	\$121,244	\$27,044	\$88,944	\$72,723	\$16,221				\$72,600	\$59,360	\$13,240			
285 - Pump and pumping equipment manufacturing	1.22	\$108,444	\$88,667	\$19,777	\$81,217	\$66,406	\$14,812	\$77,267	\$63,176	\$14,091	\$68,213	\$55,773	\$12,440	\$79,354	\$64,882	\$14,472
286 - Air and gas compressor manufacturing	1.22	\$51,488	\$42,098	\$9,390	\$89,506	\$73,188	\$16,318	\$100,681	\$82,320	\$18,362				\$91,668	\$74,975	\$16,723
287 - Elevator and moving stairway manufacturing	1.22	\$83,718	\$68,450	\$15,268	\$72,469	\$59,253	\$13,216									
288 - Conveyor and conveying equipment manufacturing	1.22	\$85,326	\$69,765	\$15,561	\$89,251	\$72,974	\$16,277	\$75,552	\$60,138	\$13,414				\$82,548	\$67,494	\$15,055
289 - Overhead cranes, hoists, and monorail systems manufacturing	1.22	\$71,624	\$58,562	\$13,062	\$77,479	\$63,349	\$14,130	\$65,754	\$53,762	\$11,992				\$80,799	\$66,064	\$14,736
290 - Industrial truck, trailer, and stacker manufacturing	1.22	\$75,798	\$61,966	\$13,832	\$68,731	\$56,196	\$12,535	\$62,055	\$50,738	\$11,317				\$76,232	\$62,330	\$13,903
291 - Power-driven handtool manufacturing	1.22	\$90,160	\$73,717	\$16,443	\$90,481	\$65,804	\$14,678	\$69,888	\$57,142	\$12,746						
292 - Welding and soldering equipment manufacturing	1.22	\$100,286	\$81,996	\$18,289	\$85,639	\$70,021	\$15,618	\$79,996	\$47,419	\$10,577				\$75,013	\$61,333	\$13,680

Summary of Average Income by State for IMPLAN 546 Industries

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Iowa			Minnesota			Nebraska			North Dakota			South Dakota			
	Total employee compensation to wages and salary ratio	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax
293 - Packaging machinery manufacturing	1.22	\$93,865	\$76,747	\$17,118	\$93,466	\$76,412	\$17,054	\$78,457	\$64,148	\$14,308	\$60,846	\$49,750	\$11,097	\$78,475	\$64,163	\$14,312
294 - Industrial process furnace and oven manufacturing	1.22	\$115,083	\$94,095	\$20,988	\$130,313	\$106,547	\$23,765				\$59,245	\$48,441	\$10,805			
295 - Fluid power cylinder and actuator manufacturing	1.22	\$73,045	\$59,724	\$13,321	\$85,895	\$70,230	\$15,665	\$53,381	\$43,646	\$9,735				\$99,058	\$56,464	\$12,594
296 - Fluid power pump and motor manufacturing	1.22	\$111,851	\$91,453	\$20,399	\$134,286	\$109,796	\$24,490	\$93,012	\$76,050	\$16,963				\$92,962	\$76,009	\$16,954
297 - Scales, balances, and miscellaneous general purpose machinery manufacturing	1.22	\$70,665	\$57,778	\$12,887	\$92,608	\$75,718	\$16,890	\$72,439	\$59,228	\$13,211	\$56,155	\$45,914	\$10,241	\$72,525	\$59,299	\$13,227
298 - Electronic computer manufacturing	1.18	\$98,005	\$83,200	\$14,806	\$156,344	\$132,725	\$23,619				\$211,353	\$179,424	\$31,929			
299 - Computer storage device manufacturing	1.18				\$151,080	\$128,256	\$22,824									
300 - Computer terminals and other computer peripheral equipment manufacturing	1.18	\$80,101	\$68,000	\$12,101	\$131,838	\$111,921	\$19,917	\$132,489	\$112,473	\$20,015				\$113,668	\$96,522	\$17,177
301 - Telephone apparatus manufacturing	1.18				\$120,683	\$102,451	\$18,232	\$130,338	\$110,648	\$19,690						
302 - Broadcast and wireless communications equipment manufacturing	1.18	\$66,282	\$56,269	\$10,013	\$91,195	\$77,418	\$13,777				\$85,213	\$72,340	\$12,873	\$68,574	\$58,215	\$10,360
303 - Other communications equipment manufacturing	1.18	\$87,929	\$74,646	\$13,284	\$116,340	\$98,765	\$17,576	\$66,550	\$56,496	\$10,054	\$59,987	\$50,924	\$9,062	\$50,674	\$43,019	\$7,655
304 - Audio and video equipment manufacturing	1.18	\$107,975	\$91,663	\$16,312	\$81,103	\$68,851	\$12,252	\$71,496	\$60,695	\$10,801	\$42,779	\$36,317	\$6,463			
305 - Printed circuit assembly	1.18	\$37,803	\$32,092	\$5,711	\$62,295	\$52,884	\$9,411	\$60,936	\$51,730	\$9,206	\$50,213	\$42,628	\$7,586	\$57,823	\$49,088	\$8,735
306 - Bare printed circuit board manufacturing	1.18	\$45,166	\$38,343	\$6,823	\$87,837	\$74,568	\$13,270									
307 - Semiconductor and related device manufacturing	1.18	\$153,055	\$129,933	\$23,122	\$131,492	\$111,628	\$19,865	\$146,849	\$124,665	\$22,185	\$140,518	\$119,290	\$21,228	\$53,413	\$45,344	\$8,069
308 - Capacitor, resistor, coil, transformer, and other inductor manufacturing	1.18	\$51,117	\$43,395	\$7,722	\$60,730	\$51,556	\$9,175	\$51,575	\$43,784	\$7,792				\$56,917	\$48,318	\$8,599
309 - Electronic connector manufacturing	1.18				\$72,006	\$61,128	\$10,878	\$64,608	\$54,847	\$9,760						
310 - Other electronic component manufacturing	1.18	\$55,739	\$47,319	\$8,421	\$63,492	\$53,900	\$9,592	\$39,312	\$33,373	\$5,939	\$60,488	\$51,350	\$9,138	\$45,238	\$38,404	\$6,834
311 - Electromedical and electrotherapeutic apparatus manufacturing	1.18	\$135,799	\$115,283	\$20,515	\$162,351	\$137,825	\$24,527				\$94,146	\$79,923	\$14,223	\$88,774	\$71,118	\$12,656
312 - Search, detection, and navigation instruments manufacturing	1.18	\$120,944	\$102,673	\$18,271	\$130,725	\$110,976	\$19,749	\$130,627	\$110,899	\$19,728	\$89,641	\$76,099	\$13,542	\$80,487	\$68,328	\$12,159
313 - Automatic environmental control manufacturing	1.18	\$73,445	\$62,350	\$11,095	\$112,236	\$95,281	\$16,956	\$86,739	\$73,635	\$13,104	\$59,065	\$50,142	\$8,923	\$59,647	\$45,543	\$8,105
314 - Industrial process variable instruments manufacturing	1.18	\$69,922	\$59,359	\$10,563	\$89,096	\$75,636	\$13,460	\$97,330	\$82,626	\$14,704	\$66,370	\$56,344	\$10,027	\$73,434	\$62,340	\$11,094
315 - Totalizing fluid meter and counting device manufacturing	1.18	\$90,533	\$76,856	\$13,677	\$81,803	\$69,445	\$12,358	\$90,870	\$77,142	\$13,728	\$61,749	\$52,420	\$9,328	\$56,219	\$47,726	\$8,493
316 - Electricity and signal testing instruments manufacturing	1.18	\$136,408	\$115,801	\$20,607	\$94,389	\$80,130	\$14,259	\$77,937	\$66,163	\$11,774	\$93,050	\$78,993	\$14,057	\$83,379	\$70,783	\$12,596
317 - Analytical laboratory instrument manufacturing	1.18	\$65,495	\$55,600	\$9,894	\$120,930	\$102,661	\$18,269	\$73,545	\$62,434	\$11,111				\$83,076	\$70,525	\$12,550
318 - Irradiation apparatus manufacturing	1.18				\$127,290	\$133,528	\$23,762									
319 - Watch, clock, and other measuring and controlling device manufacturing	1.18	\$77,301	\$65,623	\$11,678	\$131,431	\$111,576	\$19,855	\$102,664	\$87,155	\$15,510	\$70,103	\$59,512	\$10,590			
320 - Blank magnetic and optical recording media manufacturing	1.18				\$142,823	\$121,746	\$21,076									
321 - Software and other prerecorded and record reproducing	1.18	\$32,906	\$27,935	\$4,971	\$99,431	\$84,410	\$15,021	\$46,371	\$39,366	\$7,005						
322 - Electric lamp bulb and part manufacturing	1.36	\$96,234	\$70,528	\$25,706				\$79,667	\$58,387	\$21,280						
323 - Lighting fixture manufacturing	1.36	\$80,126	\$58,723	\$21,403	\$81,134	\$59,462	\$21,672	\$75,406	\$55,264	\$20,142				\$104,251	\$76,404	\$27,847
324 - Small electrical appliance manufacturing	1.36	\$81,688	\$59,898	\$21,820				\$66,997	\$49,101	\$17,896				\$98,178	\$71,953	\$26,225
325 - Household cooking appliance manufacturing	1.36	\$71,706	\$52,552	\$19,154	\$62,527	\$45,825	\$16,702	\$59,027	\$43,260	\$15,767				\$83,662	\$61,315	\$22,348
326 - Household refrigerator and home freezer manufacturing	1.36	\$71,706	\$52,552	\$19,154	\$62,533	\$45,829	\$16,704	\$59,015	\$43,251	\$15,764				\$83,698	\$61,297	\$22,341
327 - Household laundry equipment manufacturing	1.36	\$71,706	\$52,552	\$19,154	\$62,528	\$45,826	\$16,702	\$58,998	\$43,238	\$15,759				\$83,616	\$61,281	\$22,335
328 - Other major household appliance manufacturing	1.36	\$71,704	\$52,550	\$19,153	\$62,526	\$45,825	\$16,702	\$58,975	\$43,222	\$15,753				\$83,556	\$61,237	\$22,319
329 - Power, distribution, and specialty transformer manufacturing	1.36	\$61,198	\$44,851	\$16,347	\$74,992	\$54,960	\$20,032				\$63,500	\$46,538	\$16,962			
330 - Motor and generator manufacturing	1.36	\$76,735	\$56,238	\$20,497	\$111,312	\$81,579	\$29,733				\$60,402	\$44,267	\$16,134			
331 - Switchgear and switchboard apparatus manufacturing	1.36	\$113,619	\$83,269	\$30,350	\$102,339	\$75,003	\$27,337	\$110,871	\$81,256	\$29,616	\$46,425	\$34,024	\$12,401	\$98,121	\$49,925	\$18,196
332 - Relay and industrial control manufacturing	1.36	\$73,700	\$54,014	\$19,687	\$105,267	\$77,148	\$28,119	\$87,833	\$64,371	\$23,462	\$48,791	\$35,758	\$13,033	\$62,444	\$45,764	\$16,680
333 - Storage battery manufacturing	1.36	\$83,424	\$61,140	\$22,284	\$35,305	\$40,532	\$14,773									
334 - Primary battery manufacturing	1.36				\$64,608	\$47,350	\$17,258									
335 - Fiber optic cable manufacturing	1.36	\$68,797	\$50,420	\$18,377	\$110,105	\$80,694	\$29,411				\$50,378	\$36,921	\$13,457			
336 - Other communication and energy wire manufacturing	1.36				\$84,206	\$61,713	\$22,493	\$106,637	\$78,152	\$28,485	\$39,783	\$29,157	\$10,627			
337 - Wiring device manufacturing	1.36	\$59,157	\$43,355	\$15,802	\$87,980	\$64,391	\$23,589	\$66,221	\$48,532	\$17,689	\$43,553	\$31,919	\$11,634			
338 - Carbon and graphite product manufacturing	1.36	\$85,229	\$62,463	\$22,766	\$95,834	\$70,235	\$25,599									
339 - All other miscellaneous electrical equipment and component manufacturing	1.36	\$85,448	\$62,623	\$22,825	\$103,733	\$76,024	\$27,709	\$92,775	\$67,993	\$24,782				\$125,158	\$91,726	\$33,432
340 - Automobile manufacturing	1.24	\$93,047	\$75,065	\$17,981	\$89,234	\$71,989	\$17,244							\$64,471	\$52,012	\$12,459

**Summary of Average Income by State for
IMPLAN 546 Industries**

Labor Income = Employee compensation +
proprietor income

Non-wage and salary income includes all benefits
(e.g., health, retirement) and payroll taxes (both sides
of social security, unemployment insurance taxes, etc.)

	Total employee compensation to wages and salary ratio	Iowa			Minnesota			Nebraska			North Dakota			South Dakota		
		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax
341 - Light truck and utility vehicle manufacturing	1.24	\$85,748	\$69,177	\$16,571	\$82,334	\$66,423	\$15,911									
342 - Heavy duty truck manufacturing	1.24	\$68,283	\$55,087	\$13,196	\$66,115	\$53,338	\$12,777				\$67,600	\$54,537	\$13,064			
343 - Motor vehicle body manufacturing	1.24	\$76,277	\$61,537	\$14,741	\$76,845	\$61,994	\$14,850	\$71,444	\$57,637	\$13,807	\$62,108	\$50,105	\$12,002	\$70,654	\$57,000	\$13,654
344 - Truck trailer manufacturing	1.24	\$65,761	\$53,053	\$12,708	\$70,705	\$57,041	\$13,664	\$66,472	\$53,626	\$12,846	\$81,999	\$66,153	\$15,846	\$75,131	\$60,612	\$14,519
345 - Motor home manufacturing	1.24	\$72,677	\$58,632	\$14,045	\$76,130	\$61,418	\$14,712							\$53,852	\$43,445	\$10,407
346 - Travel trailer and camper manufacturing	1.24	\$58,201	\$46,954	\$11,247	\$60,600	\$48,889	\$11,711	\$55,099	\$44,451	\$10,648	\$71,380	\$57,586	\$13,794	\$35,120	\$28,333	\$6,787
347 - Motor vehicle gasoline engine and engine parts manufacturing	1.24	\$79,316	\$63,989	\$15,328	\$81,803	\$65,995	\$15,809	\$83,823	\$67,624	\$16,199	\$61,291	\$49,446	\$11,845			
348 - Motor vehicle electrical and electronic equipment manufacturing	1.24	\$67,903	\$54,781	\$13,122	\$61,710	\$49,784	\$11,925	\$77,959	\$62,893	\$15,066	\$56,828	\$45,846	\$10,982	\$82,600	\$66,637	\$15,962
349 - Motor vehicle transmission and power train parts manufacturing	1.24	\$66,051	\$53,287	\$12,764	\$80,342	\$64,816	\$15,526	\$63,900	\$51,552	\$12,349	\$64,666	\$52,169	\$12,497			
350 - Motor vehicle seating and interior trim manufacturing	1.24	\$53,385	\$43,069	\$10,317	\$60,870	\$48,107	\$12,763	\$66,813	\$53,901	\$12,912	\$48,376	\$39,028	\$9,349			
351 - Motor vehicle metal stamping	1.24	\$82,380	\$50,309	\$32,071	\$50,109	\$40,425	\$9,684	\$51,771	\$41,766	\$10,005	\$56,272	\$45,388	\$10,875	\$81,563	\$65,801	\$15,762
352 - Other motor vehicle parts manufacturing	1.24	\$71,198	\$57,439	\$13,759	\$76,354	\$61,599	\$14,755	\$76,385	\$61,785	\$14,800	\$51,014	\$41,155	\$9,859	\$61,678	\$49,759	\$11,919
353 - Motor vehicle steering, suspension component	1.24	\$21,310	\$17,192	\$4,118	\$80,615	\$65,036	\$15,579	\$73,277	\$59,116	\$14,161	\$53,026	\$42,779	\$10,247			
354 - Aircraft manufacturing	1.25	\$114,870	\$91,821	\$23,049	\$98,554	\$78,779	\$19,775	\$73,097	\$58,430	\$14,667	\$89,260	\$71,330	\$17,930			
355 - Aircraft engine and engine parts manufacturing	1.25	\$103,616	\$82,825	\$20,791	\$92,363	\$73,830	\$18,533	\$89,523	\$71,560	\$17,963				\$79,365	\$63,464	\$15,901
356 - Other aircraft parts and auxiliary equipment manufacturing	1.25	\$85,545	\$68,380	\$17,165	\$82,423	\$65,884	\$16,539	\$73,223	\$58,930	\$14,292	\$65,539	\$52,388	\$13,151	\$66,227	\$52,938	\$13,289
359 - Railroad rolling stock manufacturing	1.25	\$97,593	\$78,282	\$19,311	\$69,310	\$55,403	\$13,907	\$89,846	\$71,819	\$18,028						
360 - Ship building and repairing	1.25				\$89,154	\$74,463	\$14,692									
361 - Boat building	1.25	\$63,240	\$50,551	\$12,689	\$63,588	\$50,829	\$12,759	\$75,406	\$60,275	\$15,130						
362 - Motorcycle, bicycle, and parts manufacturing	1.25	\$72,888	\$58,263	\$14,625	\$58,013	\$46,373	\$11,641				\$51,031	\$40,791	\$10,239	\$82,987	\$66,335	\$16,652
363 - Military armored vehicle, tank, and tank component manufacturing	1.25				\$122,387	\$87,837	\$34,550									
364 - All other transportation equipment manufacturing	1.25	\$64,017	\$51,172	\$12,845	\$77,556	\$61,994	\$15,562	\$68,554	\$54,798	\$13,756				\$75,792	\$60,584	\$15,208
365 - Wood kitchen cabinet and counter top manufacturing	1.20	\$50,895	\$42,366	\$8,528	\$58,421	\$48,631	\$9,790	\$49,913	\$41,549	\$8,364	\$53,407	\$44,458	\$8,950	\$49,554	\$41,250	\$8,304
366 - Upholstered household furniture manufacturing	1.20	\$100,582	\$83,728	\$16,855	\$41,859	\$34,845	\$7,014							\$53,367	\$44,424	\$8,943
367 - Nonupholstered wood household furniture manufacturing	1.20	\$40,758	\$33,928	\$6,830	\$40,236	\$33,494	\$6,742	\$42,617	\$35,476	\$7,141	\$47,155	\$39,254	\$7,902	\$52,844	\$43,989	\$8,855
368 - Other household nonupholstered furniture manufacturing	1.20	\$117,204	\$97,564	\$19,640	\$64,535	\$53,721	\$10,814	\$49,356	\$41,086	\$8,271				\$60,732	\$50,555	\$10,177
369 - Institutional furniture manufacturing	1.20	\$48,623	\$40,475	\$8,148	\$76,790	\$63,922	\$12,868				\$58,046	\$48,320	\$9,727			
370 - Wood office furniture manufacturing	1.20	\$62,293	\$51,854	\$10,438	\$55,514	\$46,212	\$9,303	\$54,937	\$45,731	\$9,206	\$52,518	\$43,717	\$8,800	\$58,580	\$48,764	\$9,816
371 - Custom architectural woodwork and millwork	1.20	\$67,254	\$55,984	\$11,270	\$74,385	\$61,920	\$12,465	\$64,128	\$53,382	\$10,746	\$57,431	\$47,808	\$9,624	\$45,642	\$37,994	\$7,648
372 - Office furniture, except wood, manufacturing	1.20	\$67,219	\$55,955	\$11,264	\$94,054	\$78,298	\$15,756									
373 - Showcase, partition, shelving, and locker manufacturing	1.20	\$47,680	\$39,690	\$7,990	\$67,774	\$56,417	\$11,357	\$56,585	\$47,103	\$9,482	\$50,771	\$42,263	\$8,508	\$55,838	\$46,481	\$9,357
374 - Mattress manufacturing	1.20	\$53,207	\$44,291	\$8,916	\$150,716	\$125,460	\$25,256	\$47,700	\$39,707	\$7,993	\$45,802	\$38,127	\$7,675	\$46,919	\$39,057	\$7,862
375 - Blind and shade manufacturing	1.20	\$52,343	\$43,572	\$8,771	\$31,252	\$26,015	\$5,237				\$48,058	\$40,005	\$8,053	\$45,892	\$38,202	\$7,690
376 - Surgical and medical instrument manufacturing	1.37	\$54,986	\$40,149	\$14,837	\$103,215	\$75,364	\$27,851	\$73,453	\$53,633	\$19,820	\$48,760	\$35,603	\$13,157	\$102,594	\$74,911	\$27,683
377 - Surgical appliance and supplies manufacturing	1.37	\$58,374	\$42,623	\$15,751	\$97,732	\$71,361	\$26,371	\$87,154	\$63,637	\$23,517	\$40,762	\$29,763	\$10,999	\$87,703	\$64,038	\$23,665
378 - Dental equipment and supplies manufacturing	1.37	\$50,040	\$36,538	\$13,502	\$54,096	\$39,499	\$14,597	\$71,397	\$52,132	\$19,265				\$82,227	\$60,039	\$22,188
379 - Ophthalmic goods manufacturing	1.37	\$49,663	\$36,262	\$13,401	\$67,572	\$49,339	\$18,233	\$46,775	\$34,153	\$12,621				\$61,623	\$44,995	\$16,628
380 - Dental laboratories	1.37	\$46,990	\$34,310	\$12,679	\$58,341	\$42,599	\$15,742	\$58,283	\$42,596	\$15,727	\$43,307	\$31,622	\$11,686	\$54,199	\$39,575	\$14,623
381 - Jewelry and silverware manufacturing	1.37	\$34,397	\$25,115	\$9,282	\$45,362	\$33,122	\$12,240	\$34,090	\$24,892	\$9,199	\$34,543	\$25,222	\$9,321	\$49,625	\$36,255	\$13,370
382 - Sporting and athletic goods manufacturing	1.37	\$55,095	\$40,228	\$14,866	\$77,739	\$56,762	\$20,976	\$50,187	\$49,947	\$10,240	\$35,816	\$26,151	\$9,664	\$71,808	\$52,452	\$19,356
383 - Dill, toy, and game manufacturing	1.37	\$48,262	\$35,239	\$13,023	\$48,269	\$44,766	\$3,503	\$74,826	\$54,636	\$20,191	\$57,815	\$42,214	\$15,600	\$102,277	\$74,679	\$27,598
384 - Office supplies	1.37	\$43,446	\$31,724	\$11,722	\$53,664	\$38,184	\$15,480	\$47,539	\$34,711	\$12,828	\$43,225	\$31,562	\$11,664	\$65,188	\$47,671	\$17,517
385 - Sign manufacturing	1.37	\$54,850	\$40,049	\$14,800	\$71,746	\$52,398	\$19,359	\$61,328	\$44,779	\$16,548	\$45,004	\$32,961	\$12,044	\$72,495	\$52,934	\$19,562
386 - Gasket, packing, and sealing device manufacturing	1.37	\$51,503	\$37,606	\$13,897	\$76,985	\$56,212	\$20,773	\$66,044	\$48,223	\$17,821						
387 - Musical instrument manufacturing	1.37	\$54,079	\$39,487	\$14,592	\$49,436	\$36,096	\$13,339	\$57,593	\$41,906	\$15,686				\$60,622	\$44,264	\$16,358
388 - Fasteners, buttons, needles, and pins manufacturing	1.37	\$35,517	\$25,933	\$9,584	\$48,882	\$35,108	\$13,774									
389 - Broom, brush, and mop manufacturing	1.37	\$86,342	\$50,831	\$35,511	\$37,995	\$27,748	\$10,247	\$56,845	\$41,906	\$14,939				\$60,031	\$43,832	\$16,198
390 - Burlap carpet manufacturing	1.37	\$63,465	\$46,340	\$17,125	\$68,225	\$48,816	\$19,409									
391 - All other miscellaneous manufacturing	1.37	\$53,654	\$39,176	\$14,478	\$68,514	\$50,027	\$18,487	\$68,338	\$49,898	\$18,440	\$46,085	\$33,649	\$12,435	\$46,496	\$33,950	\$12,546
392 - Wholesale - Motor vehicle and motor vehicle parts and supplies	1.16	\$65,946	\$56,853	\$9,093	\$77,015	\$66,396	\$10,620	\$68,173	\$58,772	\$9,400	\$75,716	\$65,276	\$10,440	\$70,232	\$60,548	\$9,684
393 - Wholesale - Professional and commercial equipment and supplies	1.16	\$96,063	\$82,817	\$13,246	\$124,852	\$107,636	\$17,216	\$110,837	\$95,553	\$15,283	\$106,978	\$94,813	\$12,165	\$102,771	\$88,600	\$14,171
394 - Wholesale - Household appliances and electrical and electronic goods	1.16	\$85,334	\$73,367	\$11,967	\$98,953	\$85,309	\$13,645	\$81,779	\$70,502	\$11,276	\$93,777	\$80,846	\$12,931	\$84,659	\$72,985	\$11,673
395 - Wholesale - Machinery, equipment, and supplies	1.16	\$80,252	\$69,186	\$11,066	\$90,808	\$78,287	\$12,521	\$77,154	\$66,515	\$10,639	\$94,635	\$81,586	\$13,049	\$78,629	\$67,787	\$10,842

**Summary of Average Income by State for
IMPLAN 546 Industries**

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Total employee compensation to wages and salary ratio	Iowa				Minnesota				Nebraska				North Dakota				South Dakota			
		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax		Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	
453 - Commercial and industrial machinery and equipment rental and leasing	1.15	\$53,282	\$46,164	\$7,118	\$72,896	\$63,158	\$9,738		\$50,679	\$43,909	\$6,770		\$72,265	\$62,611	\$9,653		\$47,083	\$40,794	\$6,290		
454 - Lessors of nonfinancial intangible assets	1.15	\$55,125	\$47,761	\$7,364	\$78,420	\$67,944	\$10,476		\$79,792	\$69,133	\$10,659		\$43,657	\$37,825	\$5,832		\$56,189	\$48,683	\$7,506		
455 - Legal services	1.18	\$55,560	\$47,084	\$8,476	\$83,075	\$70,402	\$12,673		\$63,311	\$55,348	\$7,963		\$63,092	\$53,467	\$9,625		\$45,084	\$38,206	\$6,877		
456 - Accounting, tax preparation, bookkeeping, and payroll services	1.16	\$53,078	\$45,939	\$7,138	\$68,157	\$58,990	\$9,166		\$55,357	\$47,913	\$7,445		\$56,923	\$49,268	\$7,655		\$44,464	\$38,484	\$5,980		
457 - Architectural, engineering, and related services	1.16	\$67,240	\$58,197	\$9,043	\$90,049	\$69,284	\$10,766		\$69,661	\$60,293	\$9,368		\$82,385	\$71,305	\$11,080		\$55,852	\$48,340	\$7,511		
458 - Specialized design services	1.16	\$42,378	\$36,679	\$5,699	\$61,528	\$53,253	\$8,275		\$45,728	\$39,587	\$6,141		\$51,276	\$44,380	\$6,896		\$34,461	\$29,827	\$4,635		
459 - Custom computer programming services	1.13	\$65,157	\$57,478	\$7,680	\$85,342	\$75,283	\$10,059		\$69,778	\$61,554	\$8,224		\$65,758	\$58,007	\$7,750		\$58,232	\$51,369	\$6,863		
460 - Computer systems design services	1.13	\$61,332	\$54,103	\$7,229	\$85,287	\$75,235	\$10,052		\$73,654	\$64,973	\$8,681		\$61,728	\$54,453	\$7,275		\$56,258	\$49,627	\$6,631		
461 - Other computer related services, including facilities management	1.13	\$69,318	\$61,148	\$8,170	\$93,788	\$82,734	\$11,054		\$74,051	\$65,324	\$8,728		\$64,022	\$56,476	\$7,546		\$56,158	\$49,539	\$6,619		
462 - Management consulting services	1.16	\$59,354	\$51,372	\$7,982	\$92,021	\$79,645	\$12,376		\$69,826	\$60,435	\$9,391		\$69,501	\$60,154	\$9,347		\$57,120	\$49,438	\$7,682		
463 - Environmental and other technical consulting services	1.16	\$55,947	\$48,423	\$7,524	\$77,181	\$66,801	\$10,380		\$61,479	\$53,211	\$8,268		\$75,585	\$65,420	\$10,165		\$56,084	\$48,541	\$7,542		
464 - Scientific research and development services	1.16	\$65,744	\$56,902	\$8,842	\$83,967	\$72,674	\$11,292		\$66,283	\$57,369	\$8,914		\$68,764	\$59,516	\$9,248		\$55,802	\$48,298	\$7,503		
465 - Advertising, public relations, and related services	1.16	\$40,785	\$35,300	\$5,485	\$60,010	\$51,939	\$8,070		\$43,593	\$37,730	\$5,863		\$40,891	\$35,391	\$5,499		\$35,202	\$30,468	\$4,734		
466 - Photographic services	1.16	\$30,661	\$26,538	\$4,123	\$41,553	\$35,965	\$5,588		\$31,203	\$27,006	\$4,196		\$37,338	\$32,317	\$5,021		\$23,420	\$20,270	\$3,150		
467 - Veterinary services	1.16	\$37,740	\$32,665	\$5,075	\$43,208	\$37,397	\$5,811		\$38,869	\$33,641	\$5,227		\$43,555	\$37,697	\$5,858		\$37,457	\$32,420	\$5,037		
468 - Marketing research and all other miscellaneous professional, scientific, and technical services	1.16	\$52,104	\$45,097	\$7,007	\$66,404	\$57,473	\$8,930		\$55,439	\$47,983	\$7,456		\$67,557	\$58,471	\$9,085		\$34,919	\$30,223	\$4,696		
469 - Management of companies and enterprises	1.16	\$104,146	\$89,511	\$14,635	\$133,041	\$113,535	\$21,506		\$109,408	\$94,034	\$15,375		\$117,143	\$100,682	\$16,461		\$116,121	\$99,803	\$16,318		
470 - Office administrative services	1.17	\$63,135	\$53,756	\$9,380	\$72,806	\$61,989	\$10,816		\$62,059	\$52,839	\$9,220		\$46,435	\$39,586	\$6,849		\$45,680	\$38,894	\$6,787		
471 - Facilities support services	1.17	\$39,312	\$33,471	\$5,840	\$45,248	\$38,526	\$6,722		\$39,993	\$34,051	\$5,942		\$35,510	\$30,235	\$5,275		\$39,257	\$33,425	\$5,832		
472 - Employment services	1.17	\$34,600	\$29,459	\$5,140	\$41,104	\$34,998	\$6,107		\$42,124	\$35,866	\$6,258		\$37,451	\$31,887	\$5,564		\$33,100	\$28,182	\$4,917		
473 - Business support services	1.17	\$36,018	\$30,667	\$5,351	\$52,688	\$44,860	\$7,828		\$41,923	\$35,894	\$6,028		\$36,391	\$30,985	\$5,406		\$31,140	\$26,514	\$4,626		
474 - Travel arrangement and reservation services	1.17	\$43,641	\$37,157	\$6,484	\$57,163	\$48,670	\$8,492		\$42,883	\$36,512	\$6,371		\$35,416	\$30,955	\$5,262		\$36,654	\$31,209	\$5,446		
475 - Investigation and security services	1.17	\$31,278	\$26,631	\$4,647	\$38,052	\$32,399	\$5,653		\$35,247	\$30,010	\$5,236		\$34,891	\$29,708	\$5,184		\$30,881	\$26,293	\$4,588		
476 - Services to buildings	1.17	\$27,297	\$23,242	\$4,055	\$30,242	\$25,749	\$4,493		\$28,408	\$24,187	\$4,220		\$25,855	\$22,014	\$3,841		\$21,887	\$18,209	\$3,677		
477 - Landscape and horticultural services	1.17	\$33,329	\$28,378	\$4,952	\$40,469	\$34,482	\$6,017		\$34,502	\$29,717	\$4,785		\$32,749	\$27,883	\$4,865		\$29,120	\$24,794	\$4,326		
478 - Other support services	1.17	\$39,866	\$33,943	\$5,923	\$46,805	\$39,851	\$6,954		\$41,813	\$35,621	\$6,192		\$39,224	\$33,397	\$5,827		\$34,702	\$29,544	\$5,158		
479 - Waste management and remediation services	1.18	\$55,801	\$47,177	\$8,623	\$70,375	\$59,500	\$10,875		\$58,519	\$49,476	\$9,043		\$63,242	\$53,469	\$9,773		\$49,910	\$42,197	\$7,713		
480 - Elementary and secondary schools	1.25	\$29,617	\$23,767	\$5,850	\$43,057	\$34,552	\$8,505		\$31,924	\$25,818	\$6,106		\$35,274	\$28,307	\$6,967		\$29,087	\$23,341	\$5,746		
481 - Junior colleges, colleges, universities, and professional schools	1.25	\$29,959	\$24,042	\$5,918	\$32,528	\$26,103	\$6,425		\$27,452	\$20,054	\$7,398		\$20,539	\$16,482	\$4,057		\$21,712	\$15,344	\$6,368		
482 - Other educational services	1.25	\$45,080	\$36,151	\$8,929	\$37,337	\$29,962	\$7,375		\$29,653	\$23,796	\$5,857		\$27,253	\$21,869	\$5,383		\$22,118	\$17,749	\$4,369		
483 - Offices of physicians	1.21	\$69,988	\$62,930	\$7,058	\$115,871	\$96,104	\$19,767		\$109,423	\$90,796	\$18,627		\$129,183	\$107,144	\$22,038		\$120,395	\$99,586	\$20,809		
484 - Offices of dentists	1.21	\$64,368	\$53,387	\$10,981	\$69,693	\$57,804	\$11,889		\$69,677	\$49,486	\$10,191		\$73,658	\$61,092	\$12,566		\$68,004	\$56,403	\$11,601		
485 - Offices of other health practitioners	1.21	\$49,066	\$40,695	\$8,370	\$52,443	\$43,911	\$8,532		\$48,412	\$40,370	\$8,042		\$53,811	\$44,631	\$9,180		\$47,585	\$39,467	\$8,118		
486 - Outpatient care centers	1.21	\$59,357	\$49,231	\$10,126	\$88,698	\$73,566	\$15,132		\$79,319	\$65,787	\$13,532		\$56,301	\$46,472	\$9,829		\$52,697	\$43,707	\$8,990		
487 - Medical and diagnostic laboratories	1.21	\$70,395	\$58,386	\$12,009	\$78,073	\$65,418	\$12,656		\$74,288	\$61,615	\$12,673		\$64,624	\$53,599	\$11,025		\$59,113	\$49,811	\$9,302		
488 - Home health care services	1.21	\$47,300	\$39,231	\$8,069	\$57,892	\$43,394	\$14,497		\$44,669	\$36,996	\$7,673		\$51,723	\$42,929	\$8,794		\$39,429	\$32,702	\$6,726		
489 - Other ambulatory health care services	1.21	\$54,583	\$45,271	\$9,312	\$74,966	\$62,177	\$12,789		\$54,024	\$44,816	\$9,208		\$38,459	\$31,898	\$6,561		\$46,511	\$38,576	\$7,935		
490 - Hospitals	1.23	\$73,441	\$59,803	\$13,638	\$88,185	\$71,808	\$16,376		\$73,955	\$60,221	\$13,734		\$74,742	\$60,862	\$13,880		\$77,830	\$63,377	\$14,453		
491 - Nursing and community care facilities	1.22	\$39,479	\$32,419	\$7,060	\$41,560	\$34,128	\$7,432		\$39,001	\$32,027	\$6,974		\$42,968	\$35,284	\$7,683		\$37,188	\$30,538	\$6,650		
492 - Residential mental retardation, mental health, substance abuse and other facilities	1.22	\$39,121	\$32,126	\$6,996	\$39,392	\$32,348	\$7,044		\$55,123	\$45,266	\$9,857		\$42,235	\$34,683	\$7,552		\$41,146	\$33,788	\$7,358		
493 - Individual and family services	1.21	\$21,743	\$17,987	\$3,756	\$26,805	\$22,009	\$4,796		\$21,763	\$18,004	\$3,760		\$25,577	\$21,159	\$4,418		\$23,413	\$19,368	\$4,044		
494 - Child day care services	1.21	\$18,954	\$15,680	\$3,274	\$28,715	\$23,755	\$4,960		\$20,569	\$17,016	\$3,553		\$19,410	\$16,057	\$3,353		\$18,980	\$15,701	\$3,279		
495 - Community food, housing, and other relief services, including rehabilitation services	1.21	\$25,557	\$21,142	\$4,415	\$30,824	\$25,499	\$5,325		\$26,082	\$21,576	\$4,506		\$24,831	\$20,542	\$4,290		\$25,901	\$21,427	\$4,474		
496 - Performing arts companies	1.15	\$9,122	\$7,951	\$1,172	\$18,266	\$15,921	\$2,346		\$10,646	\$9,279	\$1,367		\$9,226	\$8,041	\$1,185		\$8,279	\$7,231	\$1,046		
497 - Commercial Sports Except Racing	1.15	\$9,986	\$8,704	\$1,282	\$29,094	\$25,357	\$3,736		\$29,094	\$12,314	\$1,844		\$8,331	\$7,261	\$1,070		\$8,276	\$7,421	\$1,095		
498 - Racing and Track Operation	1.15	\$14,257	\$12,426	\$1,831	\$22,350	\$19,479	\$2,870		\$14,920	\$13,004	\$1,916		\$9,873	\$8,605	\$1,268		\$16,452	\$14,339	\$2,113		
499 - Independent artists, writers, and performers	1.15	\$7,269	\$6,335	\$934	\$17,137	\$14,936	\$2,201		\$9,186	\$8,007	\$1,180		\$7,147	\$6,229	\$918		\$6,548	\$5,707	\$841		
500 - Promoters of performing arts and sports and agents for public figures	1.15	\$7,715	\$6,724	\$991	\$15,021	\$13,092	\$1,929		\$8,882	\$7,741	\$1,141		\$7,815	\$6,811	\$1,004		\$6,917	\$6,029	\$888		
501 - Museums, historical sites, zoos, and parks	1.15	\$34,404	\$29,986	\$4,418	\$43,328	\$37,764	\$5,564		\$36,606	\$31,905	\$4,701		\$29,149	\$25,406	\$3,744		\$34,403	\$29,985	\$4,418		
502 - Amusement parks and arcades	1.18	\$19,725	\$16,787	\$2,938	\$24,396	\$20,762	\$3,634		\$23,653	\$20,129	\$3,524		\$16,575	\$14,106	\$2,469		\$16,500	\$14,042	\$2,458		
503 - Gambling Industries	1.18	\$28,564	\$24,309	\$4,255	\$37,721	\$32,592	\$5,130		\$27,721	\$23,592	\$4,130		\$21,378	\$18,193	\$3,185		\$20,728	\$17,640	\$3,088		
504 - Other amusement and recreation industries	1.18	\$20,055	\$17,067	\$2,988	\$21,657	\$18,431	\$3,226		\$20,569	\$17,905	\$2,664		\$22,899	\$19,488	\$3,411		\$18,721	\$15,932	\$2,789		
505 - Fitness and recreational sports centers	1.18	\$12,872	\$10,954</																		

Summary of Average Income by State for IMPLAN 546 Industries

Labor income = Employee compensation + proprietor income

Non-wage and salary income includes all benefits (e.g., health, retirement) and payroll taxes (both sides of social security, unemployment insurance taxes, etc.)

	Iowa				Minnesota			Nebraska			North Dakota			South Dakota		
	Total employee compensation to wages and salary ratio	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax	Average employee compensation	Average Wages and salary	Average fringe benefits and other payroll tax
513 - Car washes	1.16	\$46,683	\$40,317	\$6,366	\$50,589	\$43,720	\$6,869	\$46,065	\$39,810	\$6,255	\$52,459	\$45,336	\$7,123	\$48,498	\$41,905	\$6,593
514 - Electronic and precision equipment repair and maintenance	1.16	\$41,193	\$35,600	\$5,593	\$64,072	\$55,372	\$8,700	\$44,443	\$38,409	\$6,035	\$43,188	\$37,324	\$5,864	\$40,815	\$35,273	\$5,542
515 - Commercial and industrial machinery and equipment repair and maintenance	1.16	\$44,886	\$38,792	\$6,095	\$57,351	\$49,564	\$7,787	\$43,391	\$37,499	\$5,892	\$57,413	\$49,617	\$7,796	\$39,227	\$33,901	\$5,326
516 - Personal and household goods repair and maintenance	1.16	\$35,033	\$30,259	\$4,774	\$36,991	\$31,998	\$5,023	\$33,737	\$29,156	\$4,581	\$37,855	\$32,715	\$5,140	\$31,848	\$27,524	\$4,324
517 - Personal care services	1.16	\$12,994	\$11,229	\$1,764	\$16,079	\$13,895	\$2,183	\$11,504	\$9,942	\$1,562	\$13,019	\$11,231	\$1,788	\$10,951	\$9,464	\$1,487
518 - Death care services	1.16	\$15,247	\$13,177	\$2,070	\$18,911	\$16,343	\$2,568	\$13,294	\$11,489	\$1,805	\$15,291	\$13,215	\$2,076	\$12,796	\$11,059	\$1,738
519 - Dry-cleaning and laundry services	1.16	\$14,746	\$12,743	\$2,002	\$18,682	\$16,145	\$2,537	\$12,600	\$10,889	\$1,711	\$15,285	\$13,209	\$2,075	\$12,251	\$10,587	\$1,663
520 - Other personal services	1.16	\$17,468	\$15,096	\$2,372	\$18,887	\$16,323	\$2,565	\$15,104	\$13,053	\$2,051	\$17,060	\$14,744	\$2,316	\$15,352	\$13,267	\$2,084
521 - Religious organizations	1.16	\$42,563	\$36,784	\$5,779	\$53,159	\$45,941	\$7,218	\$49,488	\$42,768	\$6,720	\$46,870	\$40,506	\$6,364	\$45,405	\$39,240	\$6,165
522 - Grantmaking, giving, and social advocacy organizations	1.16	\$46,742	\$40,395	\$6,347	\$58,698	\$50,728	\$7,970	\$54,279	\$46,909	\$7,370	\$37,307	\$32,241	\$5,066	\$49,382	\$42,677	\$6,705
523 - Business and professional associations	1.16	\$70,858	\$61,220	\$9,639	\$80,233	\$69,339	\$10,894	\$67,882	\$54,344	\$13,538	\$62,998	\$54,444	\$8,554	\$54,779	\$47,341	\$7,438
524 - Labor and civic organizations	1.16	\$23,480	\$22,029	\$1,451	\$25,634	\$22,154	\$3,481	\$20,502	\$17,718	\$2,784	\$24,965	\$20,797	\$4,168	\$22,491	\$19,437	\$3,054
525 - Private households	1.16	\$11,422	\$9,871	\$1,551	\$12,525	\$10,824	\$1,701	\$16,646	\$14,386	\$2,260	\$14,015	\$12,112	\$1,903	\$10,271	\$8,876	\$1,395
526 - Postal service	1.50	\$87,703	\$58,568	\$29,135	\$95,859	\$64,015	\$31,844	\$85,121	\$56,844	\$28,277	\$82,817	\$55,305	\$27,511	\$83,168	\$55,540	\$27,628
527 - Federal electric utilities	1.50										\$182,899	\$122,140	\$60,758			
528 - Other federal government enterprises	1.50	\$12,117	\$8,228	\$3,889	\$13,332	\$9,103	\$4,229	\$67,258	\$44,915	\$22,343	\$40,948	\$27,345	\$13,603	\$78,111	\$52,163	\$25,948
531 - Other state government enterprises	1.43				\$11,836	\$78,053	\$33,783	\$109,878	\$76,687	\$33,192	\$167,747	\$117,075	\$50,672			
532 - Local government passenger transit	1.43	\$44,873	\$31,318	\$13,555	\$74,423	\$51,244	\$23,179	\$75,030	\$52,365	\$22,665	\$73,266	\$51,134	\$22,132			
533 - Local government electric utilities	1.43	\$104,792	\$73,137	\$31,655	\$96,002	\$67,002	\$29,000	\$135,115	\$94,300	\$40,815	\$50,637	\$35,341	\$15,296	\$114,966	\$80,238	\$34,728
534 - Other local government enterprises	1.43	\$81,412	\$56,819	\$24,593	\$62,939	\$43,927	\$19,012	\$119,405	\$83,335	\$36,069	\$65,088	\$45,427	\$19,662	\$59,169	\$41,295	\$17,873
539 - * Employment and payroll of state govt, education	1.44	\$63,454	\$44,056	\$19,398	\$68,489	\$47,552	\$20,937	\$71,101	\$49,366	\$21,735	\$52,377	\$36,365	\$16,011	\$45,247	\$31,415	\$13,832
540 - * Employment and payroll of state govt, hospitals and health services	1.43	\$85,206	\$66,447	\$28,759	\$82,068	\$57,278	\$24,791	\$107,614	\$75,107	\$32,507	\$68,692	\$47,942	\$20,750	\$69,497	\$48,504	\$20,993
541 - * Employment and payroll of state govt, other services	1.43	\$85,684	\$59,801	\$25,883	\$94,031	\$65,627	\$28,404	\$87,754	\$61,246	\$26,508	\$74,082	\$51,704	\$22,378	\$66,158	\$46,174	\$19,985
542 - * Employment and payroll of local govt, education	1.44	\$63,353	\$43,586	\$19,767	\$72,736	\$50,501	\$22,235	\$62,999	\$43,740	\$19,258	\$64,773	\$44,972	\$19,801	\$55,059	\$38,228	\$16,831
543 - * Employment and payroll of local govt, hospitals and health services	1.43	\$71,668	\$50,019	\$21,649	\$62,959	\$43,941	\$19,018	\$62,022	\$43,287	\$18,735	\$49,171	\$34,318	\$14,853	\$53,112	\$37,068	\$16,044
544 - * Employment and payroll of local govt, other services	1.43	\$62,589	\$43,683	\$18,907	\$73,375	\$51,211	\$22,165	\$59,139	\$41,275	\$17,864	\$57,720	\$40,284	\$17,436	\$49,863	\$34,800	\$15,062
545 - * Employment and payroll of federal govt, military	1.43	\$39,044	\$27,352	\$11,693	\$39,757	\$27,851	\$11,906	\$76,859	\$53,842	\$23,017	\$73,429	\$51,439	\$21,990	\$62,185	\$43,562	\$18,622
546 - * Employment and payroll of federal govt, nonmilitary	1.44	\$112,121	\$77,883	\$34,238	\$127,155	\$88,326	\$38,828	\$116,086	\$80,637	\$35,448	\$109,359	\$75,965	\$33,394	\$106,467	\$73,956	\$32,511
State Total	1.23	\$64,309	\$51,756	\$12,553	\$75,068	\$60,536	\$14,532	\$61,051	\$49,361	\$11,690	\$58,921	\$47,407	\$10,914	\$54,387	\$43,971	\$10,415

Note: Industries with missing income data for certain states do not have employment in those industries within those states

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
1 Oilseed farming	1.77	2.77	1.83	4.61
2 Grain farming	1.62	2.62	0.72	3.35
3 Vegetable and melon farming	0.49	1.49	0.32	1.81
4 Fruit farming	0.31	1.31	0.22	1.53
5 Tree nut farming	0.00	0.00	0.00	0.00
6 Greenhouse, nursery, and floriculture production	0.36	1.36	0.32	1.69
7 Tobacco farming	0.00	0.00	0.00	0.00
8 Cotton farming	0.00	0.00	0.00	0.00
9 Sugarcane and sugar beet farming	0.00	0.00	0.00	0.00
10 All other crop farming	0.12	1.12	0.09	1.21
Beef cattle ranching and farming, including feedlots				
11 and dual-purpose ranching and farming	0.69	1.69	0.39	2.08
12 Dairy cattle and milk production	2.20	3.20	0.94	4.14
13 Poultry and egg production	2.30	3.30	0.89	4.19
14 Animal production, except cattle and poultry and eggs	0.16	1.16	0.37	1.53
15 Forestry, forest products, and timber tract production	0.12	1.12	0.33	1.45
16 Commercial logging	0.27	1.27	0.52	1.78
17 Commercial fishing	0.00	0.00	0.00	0.00
18 Commercial hunting and trapping	0.12	1.12	0.05	1.17
19 Support activities for agriculture and forestry	0.03	1.03	0.17	1.20
20 Oil and gas extraction	1.08	2.08	0.39	2.46
21 Coal mining	0.00	0.00	0.00	0.00
22 Copper, nickel, lead, and zinc mining	0.00	0.00	0.00	0.00
23 Iron ore mining	0.00	0.00	0.00	0.00
24 Gold ore mining	0.50	1.50	2.16	3.65
25 Silver ore mining	0.00	0.00	0.00	0.00
26 Uranium-radium-vanadium ore mining	0.00	0.00	0.00	0.00
27 Other metal ore mining	0.00	0.00	0.00	0.00
28 Stone mining and quarrying	0.77	1.77	0.54	2.31
29 Sand and gravel mining	0.45	1.45	0.49	1.94
30 Other clay, ceramic, refractory minerals mining	0.49	1.49	0.45	1.94
31 Potash, soda, and borate mineral mining	0.00	0.00	0.00	0.00
32 Phosphate rock mining	0.00	0.00	0.00	0.00
33 Other chemical and fertilizer mineral mining	0.00	0.00	0.00	0.00
34 Other nonmetallic minerals	0.00	0.00	0.00	0.00
35 Drilling oil and gas wells	0.68	1.68	0.33	2.01
36 Support activities for oil and gas operations	0.48	1.48	0.26	1.74
37 Metal mining services	0.86	1.86	0.27	2.13
38 Other nonmetallic minerals services	1.12	2.12	0.35	2.47
39 Electric power generation - Hydroelectric	1.06	2.06	1.08	3.14
40 Electric power generation - Fossil fuel	1.95	2.95	1.32	4.26
41 Electric power generation - Nuclear	0.00	0.00	0.00	0.00
42 Electric power generation - Solar	0.00	0.00	0.00	0.00
43 Electric power generation - Wind	2.77	3.77	1.59	5.36
44 Electric power generation - Geothermal	0.00	0.00	0.00	0.00
45 Electric power generation - Biomass	0.00	0.00	0.00	0.00
46 Electric power generation - All other	0.00	0.00	0.00	0.00
47 Electric power transmission and distribution	0.59	1.59	0.89	2.48
48 Natural gas distribution	1.69	2.69	1.07	3.76
49 Water, sewage and other systems	0.67	1.67	0.59	2.25
50 Construction of new health care structures	0.14	1.14	0.33	1.47
51 Construction of new manufacturing structures	0.16	1.16	0.34	1.50
Construction of new power and communication				
52 structures	0.19	1.19	0.35	1.53
Construction of new educational and vocational				
53 structures	0.14	1.14	0.32	1.46
54 Construction of new highways and streets	0.19	1.19	0.35	1.54
Construction of new commercial structures, including				
55 farm structures	0.14	1.14	0.33	1.46
56 Construction of other new nonresidential structures	0.29	1.29	0.36	1.66

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
57 Construction of new single-family residential structures	0.22	1.22	0.34	1.56
58 Construction of new multifamily residential structures	0.08	1.08	0.31	1.39
59 Construction of other new residential structures	0.57	1.57	0.43	2.00
Maintenance and repair construction of nonresidential				
60 structures	0.45	1.45	0.40	1.86
Maintenance and repair construction of residential				
61 structures	0.50	1.50	0.39	1.89
Maintenance and repair construction of highways,				
62 streets, bridges, and tunnels	0.54	1.54	0.42	1.96
63 Dog and cat food manufacturing	1.40	2.40	0.76	3.16
64 Other animal food manufacturing	2.13	3.13	0.97	4.10
65 Flour milling	4.17	5.17	1.58	6.75
66 Rice milling	0.00	0.00	0.00	0.00
67 Malt manufacturing	0.00	0.00	0.00	0.00
68 Wet corn milling	0.00	0.00	0.00	0.00
69 Soybean and other oilseed processing	8.01	9.01	4.06	13.07
70 Fats and oils refining and blending	1.88	2.88	1.02	3.90
71 Breakfast cereal manufacturing	0.00	0.00	0.00	0.00
72 Beet sugar manufacturing	0.00	0.00	0.00	0.00
73 Sugar cane mills and refining	0.00	0.00	0.00	0.00
74 Nonchocolate confectionery manufacturing	0.68	1.68	0.48	2.16
Chocolate and confectionery manufacturing from cacao				
75 beans	0.00	0.00	0.00	0.00
Confectionery manufacturing from purchased				
76 chocolate	0.53	1.53	0.24	1.77
77 Frozen fruits, juices and vegetables manufacturing	0.00	0.00	0.00	0.00
78 Frozen specialties manufacturing	0.65	1.65	0.44	2.08
79 Canned fruits and vegetables manufacturing	0.00	0.00	0.00	0.00
80 Canned specialties	0.00	0.00	0.00	0.00
81 Dehydrated food products manufacturing	0.00	0.00	0.00	0.00
82 Cheese manufacturing	1.91	2.91	0.89	3.81
Dry, condensed, and evaporated dairy product				
83 manufacturing	2.47	3.47	1.07	4.53
84 Fluid milk manufacturing	1.81	2.81	0.81	3.61
85 Creamery butter manufacturing	0.00	0.00	0.00	0.00
86 Ice cream and frozen dessert manufacturing	0.00	0.00	0.00	0.00
87 Frozen cakes and other pastries manufacturing	0.08	1.08	0.16	1.24
88 Poultry processing	0.55	1.55	0.35	1.90
89 Animal, except poultry, slaughtering	2.92	3.92	1.05	4.97
90 Meat processed from carcasses	1.36	2.36	0.63	2.99
91 Rendering and meat byproduct processing	1.14	2.14	0.67	2.81
92 Seafood product preparation and packaging	0.00	0.00	0.00	0.00
Bread and bakery product, except frozen,				
93 manufacturing	0.23	1.23	0.21	1.43
94 Cookie and cracker manufacturing	0.53	1.53	0.44	1.97
95 Dry pasta, mixes, and dough manufacturing	0.88	1.88	0.56	2.44
96 Tortilla manufacturing	0.40	1.40	0.35	1.74
97 Roasted nuts and peanut butter manufacturing	1.01	2.01	0.51	2.52
98 Other snack food manufacturing	1.72	2.72	0.58	3.29
99 Coffee and tea manufacturing	0.00	0.00	0.00	0.00
100 Flavoring syrup and concentrate manufacturing	0.00	0.00	0.00	0.00
101 Mayonnaise, dressing, and sauce manufacturing	0.82	1.82	0.43	2.25
102 Spice and extract manufacturing	0.00	0.00	0.00	0.00
103 All other food manufacturing	0.73	1.73	0.43	2.16
104 Bottled and canned soft drinks & water	0.79	1.79	0.48	2.27
105 Manufactured ice	0.28	1.28	0.25	1.53
106 Breweries	0.58	1.58	0.34	1.92
107 Wineries	0.49	1.49	0.32	1.81
108 Distilleries	1.25	2.25	0.53	2.78
109 Tobacco product manufacturing	2.26	3.26	0.84	4.10

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
110 Fiber, yarn, and thread mills	0.00	0.00	0.00	0.00
111 Broadwoven fabric mills	0.00	0.00	0.00	0.00
112 Narrow fabric mills and schiffli machine embroidery	0.00	0.00	0.00	0.00
113 Nonwoven fabric mills	0.00	0.00	0.00	0.00
114 Knit fabric mills	0.00	0.00	0.00	0.00
115 Textile and fabric finishing mills	0.35	1.35	0.32	1.67
116 Fabric coating mills	0.00	0.00	0.00	0.00
117 Carpet and rug mills	0.00	0.00	0.00	0.00
118 Curtain and linen mills	0.20	1.20	0.16	1.36
119 Textile bag and canvas mills	0.26	1.26	0.31	1.57
120 Rope, cordage, twine, tire cord and tire fabric mills	0.00	0.00	0.00	0.00
121 Other textile product mills	0.37	1.37	0.21	1.58
122 Hosiery and sock mills	0.08	1.08	0.14	1.22
123 Other apparel knitting mills	0.05	1.05	0.13	1.18
124 Cut and sew apparel contractors	0.07	1.07	0.05	1.12
125 Men's and boys' cut and sew apparel manufacturing	0.09	1.09	0.14	1.23
126 Women's and girls' cut and sew apparel manufacturing	0.24	1.24	0.08	1.32
127 Other cut and sew apparel manufacturing	0.20	1.20	0.09	1.29
128 Apparel accessories and other apparel manufacturing	0.26	1.26	0.17	1.43
129 Leather and hide tanning and finishing	0.54	1.54	0.39	1.93
130 Footwear manufacturing	0.00	0.00	0.00	0.00
131 Other leather and allied product manufacturing	0.21	1.21	0.26	1.48
132 Sawmills	1.20	2.20	0.70	2.90
133 Wood preservation	1.38	2.38	0.71	3.08
134 Veneer and plywood manufacturing	0.00	0.00	0.00	0.00
135 Engineered wood member and truss manufacturing	0.52	1.52	0.43	1.95
136 Reconstituted wood product manufacturing	0.70	1.70	0.51	2.21
137 Wood windows and door manufacturing	0.45	1.45	0.42	1.87
138 Cut stock, resawing lumber, and planing	0.52	1.52	0.41	1.92
139 Other millwork, including flooring	0.52	1.52	0.28	1.80
140 Wood container and pallet manufacturing	0.32	1.32	0.34	1.66
141 Manufactured home (mobile home) manufacturing	0.00	0.00	0.00	0.00
142 Prefabricated wood building manufacturing	0.38	1.38	0.38	1.76
143 All other miscellaneous wood product manufacturing	0.51	1.51	0.41	1.91
144 Pulp mills	0.00	0.00	0.00	0.00
145 Paper mills	0.00	0.00	0.00	0.00
146 Paperboard mills	0.00	0.00	0.00	0.00
147 Paperboard container manufacturing	0.66	1.66	0.54	2.20
148 Paper bag and coated and treated paper manufacturing	0.00	0.00	0.00	0.00
149 Stationery product manufacturing	0.56	1.56	0.47	2.03
150 Sanitary paper product manufacturing	0.00	0.00	0.00	0.00
151 All other converted paper product manufacturing	0.00	0.00	0.00	0.00
152 Printing	0.26	1.26	0.31	1.58
153 Support activities for printing	0.19	1.19	0.33	1.53
154 Petroleum refineries	0.00	0.00	0.00	0.00
155 Asphalt paving mixture and block manufacturing	1.31	2.31	0.64	2.95
156 Asphalt shingle and coating materials manufacturing	0.00	0.00	0.00	0.00
157 Petroleum lubricating oil and grease manufacturing	0.00	0.00	0.00	0.00
158 All other petroleum and coal products manufacturing	0.00	0.00	0.00	0.00
159 Petrochemical manufacturing	0.00	0.00	0.00	0.00
160 Industrial gas manufacturing	0.00	0.00	0.00	0.00
161 Synthetic dye and pigment manufacturing	0.00	0.00	0.00	0.00
162 Other basic inorganic chemical manufacturing	0.00	0.00	0.00	0.00
163 Other basic organic chemical manufacturing	2.94	3.94	2.39	6.32
164 Plastics material and resin manufacturing	0.00	0.00	0.00	0.00
165 Synthetic rubber manufacturing	0.71	1.71	4.63	6.33
Artificial and synthetic fibers and filaments				
166 manufacturing	0.00	0.00	0.00	0.00
167 Nitrogenous fertilizer manufacturing	2.45	3.45	3.11	6.57

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
168 Phosphatic fertilizer manufacturing	0.00	0.00	0.00	0.00
169 Fertilizer mixing	0.99	1.99	1.99	3.98
Pesticide and other agricultural chemical				
170 manufacturing	0.00	0.00	0.00	0.00
171 Medicinal and botanical manufacturing	0.75	1.75	1.20	2.95
172 Pharmaceutical preparation manufacturing	1.52	2.52	2.24	4.76
173 In-vitro diagnostic substance manufacturing	0.00	0.00	0.00	0.00
174 Biological product (except diagnostic) manufacturing	0.00	0.00	0.00	0.00
175 Paint and coating manufacturing	0.00	0.00	0.00	0.00
176 Adhesive manufacturing	0.00	0.00	0.00	0.00
177 Soap and other detergent manufacturing	1.97	2.97	2.55	5.52
178 Polish and other sanitation good manufacturing	0.59	1.59	2.09	3.68
179 Surface active agent manufacturing	0.00	0.00	0.00	0.00
180 Toilet preparation manufacturing	1.29	2.29	1.46	3.76
181 Printing ink manufacturing	0.00	0.00	0.00	0.00
182 Explosives manufacturing	0.67	1.67	2.04	3.71
183 Custom compounding of purchased resins	0.00	0.00	0.00	0.00
184 Photographic film and chemical manufacturing	1.71	2.71	1.97	4.68
185 Other miscellaneous chemical product manufacturing	0.92	1.92	2.16	4.08
Plastics packaging materials and unlaminated film and				
186 sheet manufacturing	0.49	1.49	0.49	1.98
187 Unlaminated plastics profile shape manufacturing	0.00	0.00	0.00	0.00
188 Plastics pipe and pipe fitting manufacturing	0.50	1.50	0.48	1.98
Laminated plastics plate, sheet (except packaging), and				
189 shape manufacturing	0.00	0.00	0.00	0.00
190 Polystyrene foam product manufacturing	0.51	1.51	0.41	1.93
Urethane and other foam product (except polystyrene)				
191 manufacturing	0.46	1.46	0.42	1.89
192 Plastics bottle manufacturing	0.48	1.48	0.47	1.95
193 Other plastics product manufacturing	0.36	1.36	0.34	1.70
194 Tire manufacturing	1.06	2.06	0.50	2.56
195 Rubber and plastics hoses and belting manufacturing	0.00	0.00	0.00	0.00
196 Other rubber product manufacturing	0.49	1.49	0.33	1.83
197 Pottery, ceramics, and plumbing fixture manufacturing	0.31	1.31	0.57	1.87
Brick, tile, and other structural clay product				
198 manufacturing	0.46	1.46	0.64	2.10
199 Flat glass manufacturing	0.00	0.00	0.00	0.00
Other pressed and blown glass and glassware				
200 manufacturing	0.00	0.00	0.00	0.00
201 Glass container manufacturing	0.00	0.00	0.00	0.00
202 Glass product manufacturing made of purchased glass	0.32	1.32	0.61	1.93
203 Cement manufacturing	1.12	2.12	0.81	2.93
204 Ready-mix concrete manufacturing	0.97	1.97	0.66	2.63
205 Concrete block and brick manufacturing	0.73	1.73	0.52	2.26
206 Concrete pipe manufacturing	0.60	1.60	0.51	2.11
207 Other concrete product manufacturing	0.39	1.39	0.43	1.83
208 Lime manufacturing	0.84	1.84	0.91	2.75
209 Gypsum product manufacturing	0.00	0.00	0.00	0.00
210 Abrasive product manufacturing	0.00	0.00	0.00	0.00
211 Cut stone and stone product manufacturing	0.28	1.28	0.36	1.64
212 Ground or treated mineral and earth manufacturing	0.00	0.00	0.00	0.00
213 Mineral wool manufacturing	0.00	0.00	0.00	0.00
Miscellaneous nonmetallic mineral products				
214 manufacturing	0.64	1.64	0.52	2.16
215 Iron and steel mills and ferroalloy manufacturing	1.99	2.99	1.18	4.17
Iron, steel pipe and tube manufacturing from				
216 purchased steel	0.00	0.00	0.00	0.00
217 Rolled steel shape manufacturing	1.01	2.01	0.66	2.68
218 Steel wire drawing	0.00	0.00	0.00	0.00

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
219 Alumina refining and primary aluminum production	0.80	1.80	0.70	2.50
220 Secondary smelting and alloying of aluminum	0.00	0.00	0.00	0.00
221 Aluminum sheet, plate, and foil manufacturing	0.00	0.00	0.00	0.00
222 Other aluminum rolling, drawing and extruding	0.38	1.38	0.41	1.79
223 Nonferrous metal (exc aluminum) smelting and refining	0.00	0.00	0.00	0.00
224 Copper rolling, drawing, extruding and alloying	0.00	0.00	0.00	0.00
Nonferrous metal, except copper and aluminum, shaping	0.00	0.00	0.00	0.00
226 Secondary processing of other nonferrous metals	0.00	0.00	0.00	0.00
227 Ferrous metal foundries	0.43	1.43	0.47	1.90
228 Nonferrous metal foundries	0.45	1.45	0.41	1.86
229 Custom roll forming	0.00	0.00	0.00	0.00
230 Crown and closure manufacturing and metal stamping	0.25	1.25	0.34	1.59
231 Iron and steel forging	0.54	1.54	0.46	2.00
232 Nonferrous forging	0.52	1.52	0.39	1.91
233 Cutlery, utensil, pot, and pan manufacturing	0.00	0.00	0.00	0.00
234 Handtool manufacturing	0.34	1.34	0.22	1.56
Prefabricated metal buildings and components manufacturing	0.38	1.38	0.47	1.86
236 Fabricated structural metal manufacturing	0.47	1.47	0.44	1.92
237 Plate work manufacturing	0.33	1.33	0.44	1.77
238 Metal window and door manufacturing	0.26	1.26	0.30	1.55
239 Sheet metal work manufacturing	0.28	1.28	0.37	1.65
Ornamental and architectural metal work manufacturing	0.32	1.32	0.35	1.67
241 Power boiler and heat exchanger manufacturing	0.32	1.32	0.42	1.74
242 Metal tank (heavy gauge) manufacturing	0.37	1.37	0.47	1.84
243 Metal cans manufacturing	0.00	0.00	0.00	0.00
244 Metal barrels, drums and pails manufacturing	0.36	1.36	0.39	1.75
245 Hardware manufacturing	0.53	1.53	0.46	1.99
246 Spring and wire product manufacturing	0.35	1.35	0.39	1.73
247 Machine shops	0.24	1.24	0.36	1.60
248 Turned product and screw, nut, and bolt manufacturing	0.37	1.37	0.31	1.68
249 Metal heat treating	0.00	0.00	0.00	0.00
250 Metal coating and nonprecious engraving	0.25	1.25	0.30	1.55
251 Electroplating, anodizing, and coloring metal	0.21	1.21	0.33	1.54
252 Valve and fittings, other than plumbing, manufacturing	0.45	1.45	0.40	1.85
253 Plumbing fixture fitting and trim manufacturing	0.00	0.00	0.00	0.00
254 Ball and roller bearing manufacturing	0.00	0.00	0.00	0.00
255 Small arms ammunition manufacturing	0.41	1.41	0.61	2.01
256 Ammunition, except for small arms, manufacturing	0.00	0.00	0.00	0.00
257 Small arms, ordnance, and accessories manufacturing	0.34	1.34	0.37	1.71
258 Fabricated pipe and pipe fitting manufacturing	0.28	1.28	0.57	1.84
259 Other fabricated metal manufacturing	0.30	1.30	0.34	1.63
260 Farm machinery and equipment manufacturing	0.76	1.76	0.50	2.27
261 Lawn and garden equipment manufacturing	0.64	1.64	0.49	2.12
262 Construction machinery manufacturing	0.91	1.91	0.63	2.54
263 Mining machinery and equipment manufacturing	0.00	0.00	0.00	0.00
Oil and gas field machinery and equipment manufacturing	0.00	0.00	0.00	0.00
265 Semiconductor machinery manufacturing	0.00	0.00	0.00	0.00
266 Food product machinery manufacturing	0.00	0.00	0.00	0.00
267 Sawmill, woodworking, and paper machinery	0.56	1.56	0.64	2.20
268 Printing machinery and equipment manufacturing	0.00	0.00	0.00	0.00
269 All other industrial machinery manufacturing	0.49	1.49	0.63	2.12
270 Optical instrument and lens manufacturing	0.00	0.00	0.00	0.00

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
Photographic and photocopying equipment				
271 manufacturing	0.70	1.70	0.77	2.46
Other commercial service industry machinery				
272 manufacturing	0.49	1.49	0.46	1.95
Air purification and ventilation equipment				
273 manufacturing	0.30	1.30	0.41	1.71
Heating equipment (except warm air furnaces)				
274 manufacturing	0.42	1.42	0.35	1.77
Air conditioning, refrigeration, and warm air heating				
275 equipment manufacturing	0.49	1.49	0.49	1.97
276 Industrial mold manufacturing	0.26	1.26	0.43	1.68
277 Special tool, die, jig, and fixture manufacturing	0.28	1.28	0.46	1.74
278 Cutting tool and machine tool accessory manufacturing	0.34	1.34	0.44	1.78
279 Machine tool manufacturing	0.53	1.53	0.48	2.01
Rolling mill and other metalworking machinery				
280 manufacturing	0.36	1.36	0.50	1.87
281 Turbine and turbine generator set units manufacturing	0.58	1.58	0.51	2.10
Speed changer, industrial high-speed drive, and gear				
282 manufacturing	0.46	1.46	0.51	1.96
Mechanical power transmission equipment				
283 manufacturing	0.00	0.00	0.00	0.00
284 Other engine equipment manufacturing	0.00	0.00	0.00	0.00
285 Pump and pumping equipment manufacturing	0.66	1.66	0.58	2.24
286 Air and gas compressor manufacturing	0.80	1.80	0.69	2.49
287 Elevator and moving stairway manufacturing	0.00	0.00	0.00	0.00
288 Conveyor and conveying equipment manufacturing	0.38	1.38	0.51	1.89
Overhead cranes, hoists, and monorail systems				
289 manufacturing	0.50	1.50	0.54	2.04
290 Industrial truck, trailer, and stacker manufacturing	0.41	1.41	0.49	1.90
291 Power-driven handtool manufacturing	0.00	0.00	0.00	0.00
292 Welding and soldering equipment manufacturing	0.59	1.59	0.54	2.13
293 Packaging machinery manufacturing	0.51	1.51	0.55	2.06
294 Industrial process furnace and oven manufacturing	0.00	0.00	0.00	0.00
295 Fluid power cylinder and actuator manufacturing	0.35	1.35	0.44	1.79
296 Fluid power pump and motor manufacturing	0.66	1.66	0.66	2.33
Scales, balances, and miscellaneous general purpose				
297 machinery manufacturing	0.43	1.43	0.48	1.90
298 Electronic computer manufacturing	0.00	0.00	0.00	0.00
299 Computer storage device manufacturing	0.00	0.00	0.00	0.00
Computer terminals and other computer peripheral				
300 equipment manufacturing	0.56	1.56	0.74	2.30
301 Telephone apparatus manufacturing	0.00	0.00	0.00	0.00
Broadcast and wireless communications equipment				
302 manufacturing	0.64	1.64	0.56	2.20
303 Other communications equipment manufacturing	0.69	1.69	0.50	2.19
304 Audio and video equipment manufacturing	0.00	0.00	0.00	0.00
Printed circuit assembly (electronic assembly)				
305 manufacturing	0.52	1.52	0.49	2.00
306 Bare printed circuit board manufacturing	0.00	0.00	0.00	0.00
307 Semiconductor and related device manufacturing	1.08	2.08	0.66	2.74
Capacitor, resistor, coil, transformer, and other				
308 inductor manufacturing	0.39	1.39	0.43	1.82
309 Electronic connector manufacturing	0.00	0.00	0.00	0.00
310 Other electronic component manufacturing	0.40	1.40	0.37	1.77
Electromedical and electrotherapeutic apparatus				
311 manufacturing	0.63	1.63	0.64	2.28
Search, detection, and navigation instruments				
312 manufacturing	0.64	1.64	0.63	2.27
313 Automatic environmental control manufacturing	0.29	1.29	0.37	1.66

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
314 Industrial process variable instruments manufacturing	0.52	1.52	0.55	2.07
Totalizing fluid meter and counting device				
315 manufacturing	0.49	1.49	0.44	1.93
316 Electricity and signal testing instruments manufacturing	1.13	2.13	0.69	2.82
317 Analytical laboratory instrument manufacturing	0.00	0.00	0.00	0.00
318 Irradiation apparatus manufacturing	0.00	0.00	0.00	0.00
Watch, clock, and other measuring and controlling				
319 device manufacturing	0.00	0.00	0.00	0.00
Blank magnetic and optical recording media				
320 manufacturing	0.00	0.00	0.00	0.00
Software and other prerecorded and record				
321 reproducing	0.00	0.00	0.00	0.00
322 Electric lamp bulb and part manufacturing	0.00	0.00	0.00	0.00
323 Lighting fixture manufacturing	0.41	1.41	0.63	2.05
324 Small electrical appliance manufacturing	0.72	1.72	0.72	2.44
325 Household cooking appliance manufacturing	0.53	1.53	0.59	2.12
Household refrigerator and home freezer				
326 manufacturing	0.53	1.53	0.60	2.12
327 Household laundry equipment manufacturing	0.61	1.61	0.62	2.23
328 Other major household appliance manufacturing	0.46	1.46	0.57	2.02
Power, distribution, and specialty transformer				
329 manufacturing	0.37	1.37	0.42	1.79
330 Motor and generator manufacturing	0.42	1.42	0.43	1.85
331 Switchgear and switchboard apparatus manufacturing	0.53	1.53	0.49	2.02
332 Relay and industrial control manufacturing	0.37	1.37	0.42	1.79
333 Storage battery manufacturing	0.00	0.00	0.00	0.00
334 Primary battery manufacturing	0.00	0.00	0.00	0.00
335 Fiber optic cable manufacturing	0.00	0.00	0.00	0.00
336 Other communication and energy wire manufacturing	0.00	0.00	0.00	0.00
337 Wiring device manufacturing	0.00	0.00	0.00	0.00
338 Carbon and graphite product manufacturing	0.00	0.00	0.00	0.00
All other miscellaneous electrical equipment and				
339 component manufacturing	0.39	1.39	0.72	2.12
340 Automobile manufacturing	1.21	2.21	0.72	2.93
341 Light truck and utility vehicle manufacturing	0.00	0.00	0.00	0.00
342 Heavy duty truck manufacturing	0.00	0.00	0.00	0.00
343 Motor vehicle body manufacturing	0.53	1.53	0.51	2.04
344 Truck trailer manufacturing	0.43	1.43	0.49	1.92
345 Motor home manufacturing	0.63	1.63	0.47	2.10
346 Travel trailer and camper manufacturing	0.39	1.39	0.29	1.68
Motor vehicle gasoline engine and engine parts				
347 manufacturing	0.00	0.00	0.00	0.00
Motor vehicle electrical and electronic equipment				
348 manufacturing	0.54	1.54	0.58	2.12
Motor vehicle transmission and power train parts				
349 manufacturing	0.00	0.00	0.00	0.00
350 Motor vehicle seating and interior trim manufacturing	0.00	0.00	0.00	0.00
351 Motor vehicle metal stamping	0.43	1.43	0.54	1.97
352 Other motor vehicle parts manufacturing	0.59	1.59	0.48	2.07
Motor vehicle steering, suspension component (except				
353 spring), and brake systems manufacturing	0.00	0.00	0.00	0.00
354 Aircraft manufacturing	0.00	0.00	0.00	0.00
355 Aircraft engine and engine parts manufacturing	0.27	1.27	0.46	1.73
Other aircraft parts and auxiliary equipment				
356 manufacturing	0.25	1.25	0.39	1.64
357 Guided missile and space vehicle manufacturing	0.00	0.00	0.00	0.00

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
Propulsion units and parts for space vehicles and				
358 guided missiles manufacturing	0.00	0.00	0.00	0.00
359 Railroad rolling stock manufacturing	0.00	0.00	0.00	0.00
360 Ship building and repairing	0.00	0.00	0.00	0.00
361 Boat building	0.00	0.00	0.00	0.00
362 Motorcycle, bicycle, and parts manufacturing	0.72	1.72	0.63	2.35
Military armored vehicle, tank, and tank component				
363 manufacturing	0.00	0.00	0.00	0.00
364 All other transportation equipment manufacturing	0.66	1.66	0.58	2.24
365 Wood kitchen cabinet and countertop manufacturing	0.24	1.24	0.30	1.54
366 Upholstered household furniture manufacturing	0.28	1.28	0.34	1.63
Nonupholstered wood household furniture				
367 manufacturing	0.25	1.25	0.32	1.57
Other household nonupholstered furniture				
368 manufacturing	0.51	1.51	0.43	1.94
369 Institutional furniture manufacturing	0.00	0.00	0.00	0.00
370 Wood office furniture manufacturing	0.43	1.43	0.39	1.82
371 Custom architectural woodwork and millwork	0.29	1.29	0.29	1.58
372 Office furniture, except wood, manufacturing	0.00	0.00	0.00	0.00
Showcase, partition, shelving, and locker				
373 manufacturing	0.26	1.26	0.34	1.60
374 Mattress manufacturing	0.60	1.60	0.41	2.01
375 Blind and shade manufacturing	0.39	1.39	0.35	1.74
376 Surgical and medical instrument manufacturing	0.43	1.43	0.62	2.06
377 Surgical appliance and supplies manufacturing	0.46	1.46	0.56	2.01
378 Dental equipment and supplies manufacturing	0.36	1.36	0.50	1.86
379 Ophthalmic goods manufacturing	0.50	1.50	0.42	1.91
380 Dental laboratories	0.15	1.15	0.30	1.45
381 Jewelry and silverware manufacturing	0.25	1.25	0.33	1.58
382 Sporting and athletic goods manufacturing	0.46	1.46	0.47	1.93
383 Doll, toy, and game manufacturing	0.43	1.43	0.62	2.05
384 Office supplies (except paper) manufacturing	0.36	1.36	0.42	1.77
385 Sign manufacturing	0.18	1.18	0.40	1.58
386 Gasket, packing, and sealing device manufacturing	0.00	0.00	0.00	0.00
387 Musical instrument manufacturing	0.26	1.26	0.36	1.62
388 Fasteners, buttons, needles, and pins manufacturing	0.00	0.00	0.00	0.00
389 Broom, brush, and mop manufacturing	0.68	1.68	0.49	2.17
390 Burial casket manufacturing	0.00	0.00	0.00	0.00
391 All other miscellaneous manufacturing	0.32	1.32	0.32	1.64
Wholesale - Motor vehicle and motor vehicle parts and				
392 supplies	0.87	1.87	0.59	2.47
Wholesale - Professional and commercial equipment				
393 and supplies	0.62	1.62	0.71	2.33
Wholesale - Household appliances and electrical and				
394 electronic goods	1.23	2.23	0.77	3.00
395 Wholesale - Machinery, equipment, and supplies	0.58	1.58	0.56	2.15
396 Wholesale - Other durable goods merchant wholesalers	0.61	1.61	0.52	2.13
397 Wholesale - Drugs and druggists'sundries	1.75	2.75	1.14	3.90
398 Wholesale - Grocery and related product wholesalers	0.48	1.48	0.49	1.97
399 Wholesale - Petroleum and petroleum products	1.06	2.06	0.65	2.71
Wholesale - Other nondurable goods merchant				
400 wholesalers	0.69	1.69	0.53	2.22
Wholesale - Wholesale electronic markets and agents				
401 and brokers	0.08	1.08	0.58	1.66
402 Retail - Motor vehicle and parts dealers	0.21	1.21	0.34	1.56
403 Retail - Furniture and home furnishings stores	0.19	1.19	0.22	1.41
404 Retail - Electronics and appliance stores	0.19	1.19	0.27	1.46
Retail - Building material and garden equipment and				
405 supplies stores	0.20	1.20	0.25	1.45
406 Retail - Food and beverage stores	0.15	1.15	0.16	1.31

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
407 Retail - Health and personal care stores	0.16	1.16	0.23	1.39
408 Retail - Gasoline stores	0.28	1.28	0.22	1.49
409 Retail - Clothing and clothing accessories stores	0.23	1.23	0.17	1.40
Retail - Sporting goods, hobby, musical instrument and				
410 book stores	0.12	1.12	0.13	1.25
411 Retail - General merchandise stores	0.14	1.14	0.19	1.34
412 Retail - Miscellaneous store retailers	0.10	1.10	0.24	1.35
413 Retail - Nonstore retailers	0.38	1.38	0.17	1.55
414 Air transportation	0.76	1.76	0.67	2.43
415 Rail transportation	0.74	1.74	0.82	2.56
416 Water transportation	2.35	3.35	0.67	4.02
417 Truck transportation	0.38	1.38	0.43	1.81
418 Transit and ground passenger transportation	0.04	1.04	0.13	1.18
419 Pipeline transportation	0.38	1.38	0.71	2.09
Scenic and sightseeing transportation and support				
420 activities for transportation	0.43	1.43	0.41	1.83
421 Couriers and messengers	0.16	1.16	0.21	1.37
422 Warehousing and storage	0.21	1.21	0.14	1.35
423 Newspaper publishers	0.08	1.08	0.20	1.27
424 Periodical publishers	0.28	1.28	0.29	1.57
425 Book publishers	0.61	1.61	0.31	1.92
426 Directory, mailing list, and other publishers	0.29	1.29	0.35	1.64
427 Greeting card publishing	0.00	0.00	0.00	0.00
428 Software publishers	0.11	1.11	0.34	1.45
429 Motion picture and video industries	0.65	1.65	0.21	1.86
430 Sound recording industries	0.61	1.61	0.24	1.85
431 Radio and television broadcasting	0.86	1.86	0.70	2.56
432 Cable and other subscription programming	0.00	0.00	0.00	0.00
433 Wired telecommunications carriers	0.75	1.75	0.67	2.43
434 Wireless telecommunications carriers (except satellite)	4.03	5.03	1.58	6.61
Satellite, telecommunications resellers, and all other				
435 telecommunications	0.94	1.94	0.79	2.73
436 Data processing, hosting, and related services	1.30	2.30	0.63	2.93
News syndicates, libraries, archives and all other				
437 information services	0.59	1.59	0.46	2.05
Internet publishing and broadcasting and web search				
438 portals	2.60	3.60	1.15	4.75
Nondepository credit intermediation and related				
439 activities	0.40	1.40	0.71	2.12
Securities and commodity contracts intermediation and				
440 brokerage	0.26	1.26	0.21	1.46
Monetary authorities and depository credit				
441 intermediation	0.74	1.74	0.93	2.67
442 Other financial investment activities	0.78	1.78	0.33	2.11
443 Direct life insurance carriers	0.43	1.43	0.42	1.85
444 Insurance carriers, except direct life	1.98	2.98	0.84	3.82
445 Insurance agencies, brokerages, and related activities	1.43	2.43	0.69	3.13
446 Funds, trusts, and other financial vehicles	1.26	2.26	0.50	2.76
447 Other real estate	0.63	1.63	0.23	1.87
448 Tenant-occupied housing	0.18	1.18	0.16	1.34
449 Owner-occupied dwellings	0.00	0.00	0.00	0.00
450 Automotive equipment rental and leasing	0.37	1.37	0.24	1.60
General and consumer goods rental except video tapes				
451 and discs	0.22	1.22	0.23	1.45
452 Video tape and disc rental	0.16	1.16	0.29	1.45
Commercial and industrial machinery and equipment				
453 rental and leasing	0.41	1.41	0.40	1.80
454 Lessors of nonfinancial intangible assets	1.14	2.14	0.40	2.53
455 Legal services	0.29	1.29	0.34	1.63
Accounting, tax preparation, bookkeeping, and payroll				
456 services	0.23	1.23	0.32	1.55

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
457 Architectural, engineering, and related services	0.29	1.29	0.41	1.70
458 Specialized design services	0.25	1.25	0.27	1.52
459 Custom computer programming services	0.19	1.19	0.40	1.59
460 Computer systems design services	0.11	1.11	0.39	1.49
Other computer related services, including facilities				
461 management	0.48	1.48	0.47	1.94
462 Management consulting services	0.25	1.25	0.40	1.66
463 Environmental and other technical consulting services	0.21	1.21	0.39	1.60
464 Scientific research and development services	0.47	1.47	0.41	1.88
465 Advertising, public relations, and related services	0.35	1.35	0.28	1.64
466 Photographic services	0.37	1.37	0.23	1.60
467 Veterinary services	0.04	1.04	0.24	1.28
Marketing research and all other miscellaneous				
468 professional, scientific, and technical services	0.44	1.44	0.32	1.76
469 Management of companies and enterprises	0.40	1.40	0.65	2.05
470 Office administrative services	0.20	1.20	0.30	1.50
471 Facilities support services	0.38	1.38	0.30	1.68
472 Employment services	0.14	1.14	0.22	1.36
473 Business support services	0.14	1.14	0.21	1.34
474 Travel arrangement and reservation services	0.43	1.43	0.31	1.74
475 Investigation and security services	0.08	1.08	0.19	1.26
476 Services to buildings	0.15	1.15	0.16	1.30
477 Landscape and horticultural services	0.13	1.13	0.19	1.32
478 Other support services	0.32	1.32	0.25	1.56
479 Waste management and remediation services	0.40	1.40	0.34	1.74
480 Elementary and secondary schools	0.03	1.03	0.16	1.19
Junior colleges, colleges, universities, and professional				
481 schools	0.10	1.10	0.16	1.26
482 Other educational services	0.16	1.16	0.15	1.31
483 Offices of physicians	0.21	1.21	0.76	1.97
484 Offices of dentists	0.13	1.13	0.43	1.56
485 Offices of other health practitioners	0.11	1.11	0.30	1.40
486 Outpatient care centers	0.31	1.31	0.36	1.67
487 Medical and diagnostic laboratories	0.18	1.18	0.57	1.76
488 Home health care services	0.06	1.06	0.24	1.30
489 Other ambulatory health care services	0.16	1.16	0.31	1.47
490 Hospitals	0.40	1.40	0.50	1.90
491 Nursing and community care facilities	0.21	1.21	0.26	1.47
Residential mental retardation, mental health,				
492 substance abuse and other facilities	0.13	1.13	0.27	1.40
493 Individual and family services	0.05	1.05	0.16	1.21
494 Child day care services	0.07	1.07	0.13	1.20
Community food, housing, and other relief services,				
495 including rehabilitation services	0.16	1.16	0.20	1.36
496 Performing arts companies	0.23	1.23	0.09	1.32
497 Commercial Sports Except Racing	0.19	1.19	0.09	1.27
498 Racing and Track Operation	0.26	1.26	0.13	1.40
499 Independent artists, writers, and performers	0.49	1.49	0.10	1.59
Promoters of performing arts and sports and agents for				
500 public figures	0.39	1.39	0.10	1.49
501 Museums, historical sites, zoos, and parks	0.20	1.20	0.21	1.41
502 Amusement parks and arcades	0.08	1.08	0.10	1.18
503 Gambling industries (except casino hotels)	0.27	1.27	0.19	1.46
504 Other amusement and recreation industries	0.12	1.12	0.12	1.24
505 Fitness and recreational sports centers	0.12	1.12	0.10	1.22
506 Bowling centers	0.09	1.09	0.11	1.20
507 Hotels and motels, including casino hotels	0.22	1.22	0.22	1.44
508 Other accommodations	0.11	1.11	0.20	1.31
509 Full-service restaurants	0.11	1.11	0.13	1.25
510 Limited-service restaurants	0.17	1.17	0.14	1.31
511 All other food and drinking places	0.10	1.10	0.14	1.24

Multipliers for South Dakota (entire state)

Employment

IMPLAN Industry	Indirect Multiplier	Type I Multiplier	Induced Multiplier	Type Sam Multiplier
512 Automotive repair and maintenance, except car washes	0.10	1.10	0.30	1.40
513 Car washes	0.16	1.16	0.30	1.46
514 Electronic and precision equipment repair and maintenance	0.11	1.11	0.33	1.44
515 Commercial and industrial machinery and equipment repair and maintenance	0.12	1.12	0.36	1.48
516 Personal and household goods repair and maintenance	0.13	1.13	0.25	1.37
517 Personal care services	0.05	1.05	0.17	1.22
518 Death care services	0.02	1.02	0.19	1.21
519 Dry-cleaning and laundry services	0.05	1.05	0.19	1.23
520 Other personal services	0.08	1.08	0.18	1.26
521 Religious organizations	0.34	1.34	0.29	1.63
522 Grantmaking, giving, and social advocacy organizations	0.46	1.46	0.36	1.82
523 Business and professional associations	0.42	1.42	0.38	1.80
524 Labor and civic organizations	0.28	1.28	0.17	1.45
525 Private households	0.00	1.00	0.05	1.05
526 Postal service	0.03	1.03	0.39	1.42
527 Federal electric utilities	0.00	0.00	0.00	0.00
528 Other federal government enterprises	12.92	13.92	3.66	17.58
529 State government passenger transit	0.00	0.00	0.00	0.00
530 State government electric utilities	0.00	0.00	0.00	0.00
531 Other state government enterprises	0.00	0.00	0.00	0.00
532 Local government passenger transit	0.00	0.00	0.00	0.00
533 Local government electric utilities	0.25	1.25	0.65	1.91
534 Other local government enterprises	0.76	1.76	0.49	2.24
535 * Not an industry (Used and secondhand goods)	0.00	0.00	0.00	0.00
536 * Not an industry (Scrap)	0.00	0.00	0.00	0.00
537 * Not an industry (Rest of world adjustment)	0.00	0.00	0.00	0.00
538 * Not an industry (Noncomparable foreign imports)	0.00	0.00	0.00	0.00
539 * Employment and payroll of state govt, education	0.00	1.00	0.22	1.22
540 * Employment and payroll of state govt, hospitals and health services	0.00	1.00	0.33	1.33
541 * Employment and payroll of state govt, other services	0.00	1.00	0.32	1.32
542 * Employment and payroll of local govt, education	0.00	1.00	0.26	1.26
543 * Employment and payroll of local govt, hospitals and health services	0.00	1.00	0.25	1.25
544 * Employment and payroll of local govt, other services	0.00	1.00	0.24	1.24
545 * Employment and payroll of federal govt, military	0.00	1.00	0.30	1.30
546 * Employment and payroll of federal govt, non-military	0.00	1.00	0.51	1.51

South Dakota

County	Employment (Worker Years)	Employment (Average Annual Jobs)	Labor Income
Spink	459	153	\$30,051,835
McPherson	303	101	\$19,824,869
Beadle	271	90	\$17,758,083
Lake	261	87	\$17,060,883
Hand	159	53	\$10,395,057
Kingsbury	149	50	\$9,785,812
Brown	226	75	\$14,780,009
Minnehaha	139	46	\$9,133,286
Edmunds	215	72	\$14,098,403
Lincoln	118	39	\$7,721,496
Clark	112	37	\$7,349,022
Sully	192	64	\$12,568,462
Hyde	96	32	\$6,291,090
Miner	77	26	\$5,048,331
Hamlin	67	22	\$4,363,970
Codington	153	51	\$10,034,506
Turner	15	5	\$1,007,679
McCook	11	4	\$742,677
Bon Homme	-	-	\$0
Brookings	-	-	\$0
Brule	-	-	\$0
Buffalo	-	-	\$0
Butte	-	-	\$0
Campbell	-	-	\$0
Charles Mix	-	-	\$0
Clay	-	-	\$0
Corson	-	-	\$0
Custer	-	-	\$0
Davison	-	-	\$0
Day	-	-	\$0
Deuel	-	-	\$0
Dewey	-	-	\$0
Douglas	-	-	\$0
Fall River	-	-	\$0
Faulk	-	-	\$0
Grant	-	-	\$0
Gregory	-	-	\$0
Haakon	-	-	\$0
Hanson	-	-	\$0
Harding	-	-	\$0
Hughes	-	-	\$0
Hutchinson	-	-	\$0
Jackson	-	-	\$0
Jerauld	-	-	\$0
Jones	-	-	\$0
Lawrence	-	-	\$0
Lyman	-	-	\$0
Marshall	-	-	\$0
Meade	-	-	\$0
Mellette	-	-	\$0
Moody	-	-	\$0
Oglala Lakota	-	-	\$0
Pennington	-	-	\$0
Perkins	-	-	\$0
Potter	-	-	\$0
Roberts	-	-	\$0
Sanborn	-	-	\$0
Stanley	-	-	\$0
Todd	-	-	\$0
Tripp	-	-	\$0
Union	-	-	\$0
Walworth	-	-	\$0
Yankton	-	-	\$0

South Dakota			
County	Employment (Worker Years)	Employment (Average Annual Jobs)	Labor Income
Ziebach	-	-	\$0
Aurora	-	-	\$0
Bennett	-	-	\$0
Total	3,024	1,008	\$198,015,468

Note: Total SD impacts are distributed across counties based on pipeline mileage and capture facility CapEx distribution by county.