

**There is money to be made
in filling high-demand jobs.**



...a look at the public and private sector financial benefits of strategic, competitive, and sustainable workforce recruitment and retention

2020

- *The number of children in the workforce “pipeline” is insufficient to replace retirees.*
- *Between 2015 and 2020, Wisconsin immigration fell more than 100,000 short of the officially projected workforce needs.*
- *The WDWD identified in excess of 60,000 high-demand job openings (i.e., Top 50 Hot Jobs categories).*

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Provide examples of the quantifiable financial value-added to the public sector when a high-demand job is filled in Wisconsin.

Deloitte profiled* three specific job categories

ADN Nurse



Sector: Health Care

Role Description:

The ADN nurse archetype has attained a 2-year associates degree in nursing and has passed a national licensing exam to become a registered nurse (RN). Note that "ADN" is not their job title as their 2-year degree only represents a pathway taken to become a RN. Many hospitals will not differentiate between RNs with associates degrees and those with bachelors degrees

Welder



Sector: Advanced Manufacturing

Role Description:

The Welder archetype represents an individual who has received up to 2 years of training through technical colleges or other training programs, such as boot-camps, independent certificate programs, or an employer's own training course. On an ongoing basis welders can demonstrate improved skills through length of experience or additional certification tests

Network Engineer



Sector: STEM

Role Description:

The Network Engineer archetype represents an individual who has achieved a 4 year degree in computer science or highly related fields, and has the ability to plan, implement, and oversee the computer networks for a corporation. This archetype works in a company's internal IT function and ensures availability of data, video, voice, and wireless network services

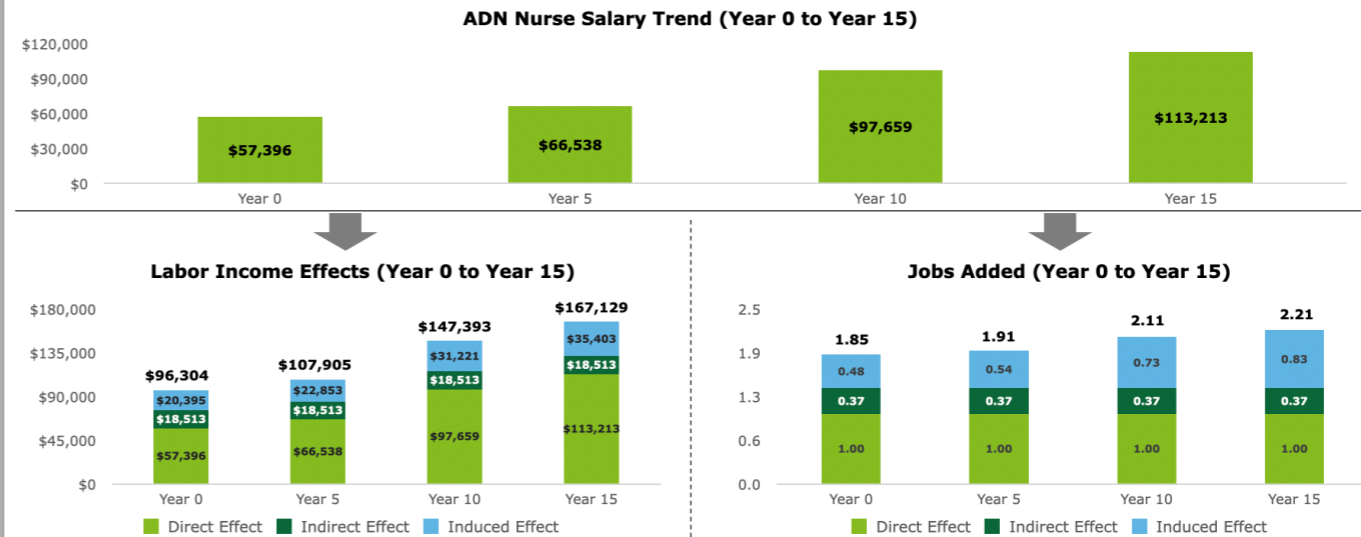
*. Based on interviews with Wisconsin business and community leaders Deloitte identified the following 3 types of representative archetypes.

Deloitte quantified economic impact/value to the public sector



Economic Impact Analysis – ADN Nurse (Healthcare Archetype)

By year 15 each ADN Nurse resource will bring Wisconsin \$167,129 / year in additional labor income and create 2.21 jobs (including the Nurse's own job)



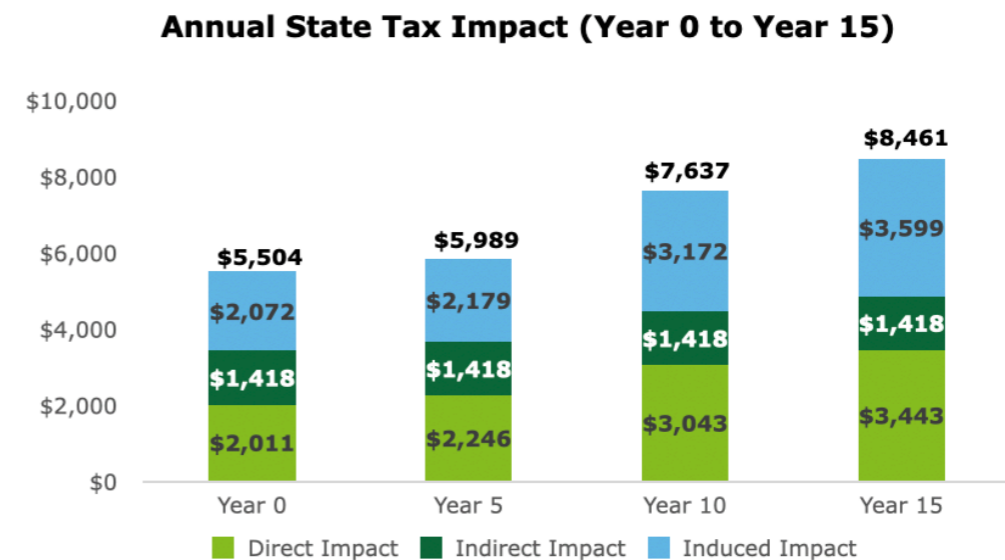
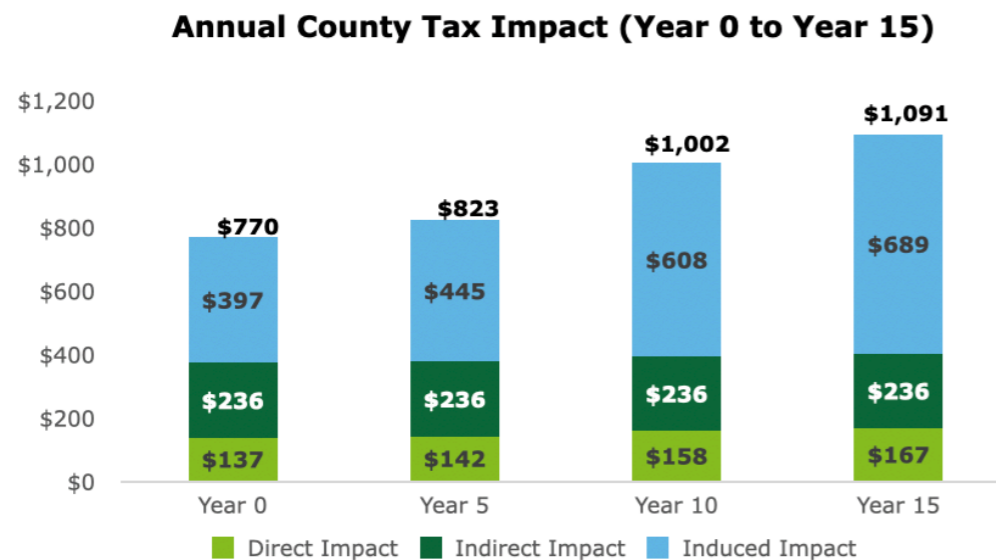
Sources: Business and Community Leader Interviews; IMPLAN, Deloitte Analysis, ERI.net, Bureau of Labor Statistics
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Note: Values for Years 5, 10, and 15 are not discounted



Economic Impact Analysis – ADN Nurse (Healthcare Archetype)

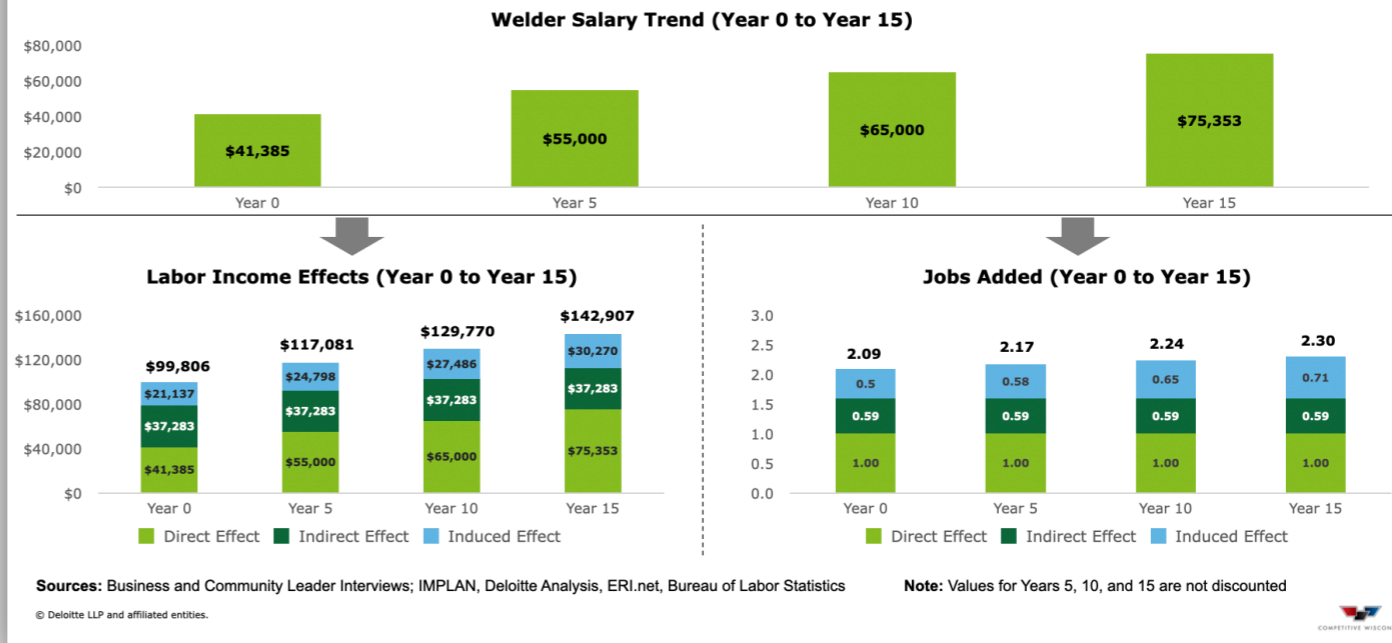
From a fiscal impacts perspective, by year 15 each ADN Nurse will allow for an incremental \$1,091 in annual county-level taxes and \$8,461 in annual state-level taxes



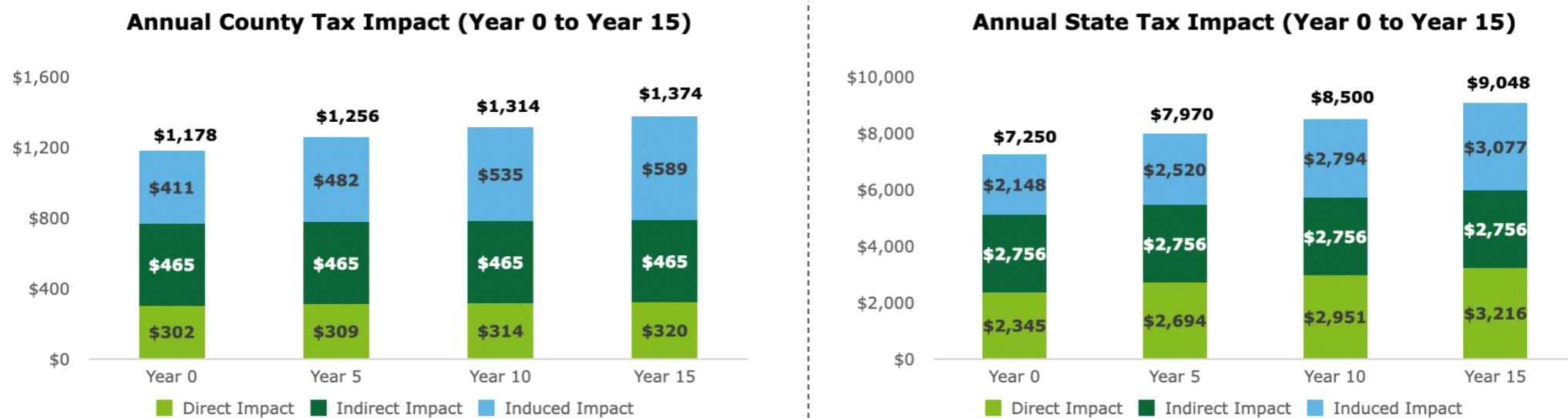
Deloitte quantified economic impact/value to the public sector



Economic Impact Analysis – Welder (Advanced Manufacturing Archetype)
 By year 15 each Welder resource will bring Wisconsin \$142,907 / year in additional labor income and create 2.3 jobs (including the Welder's own job)



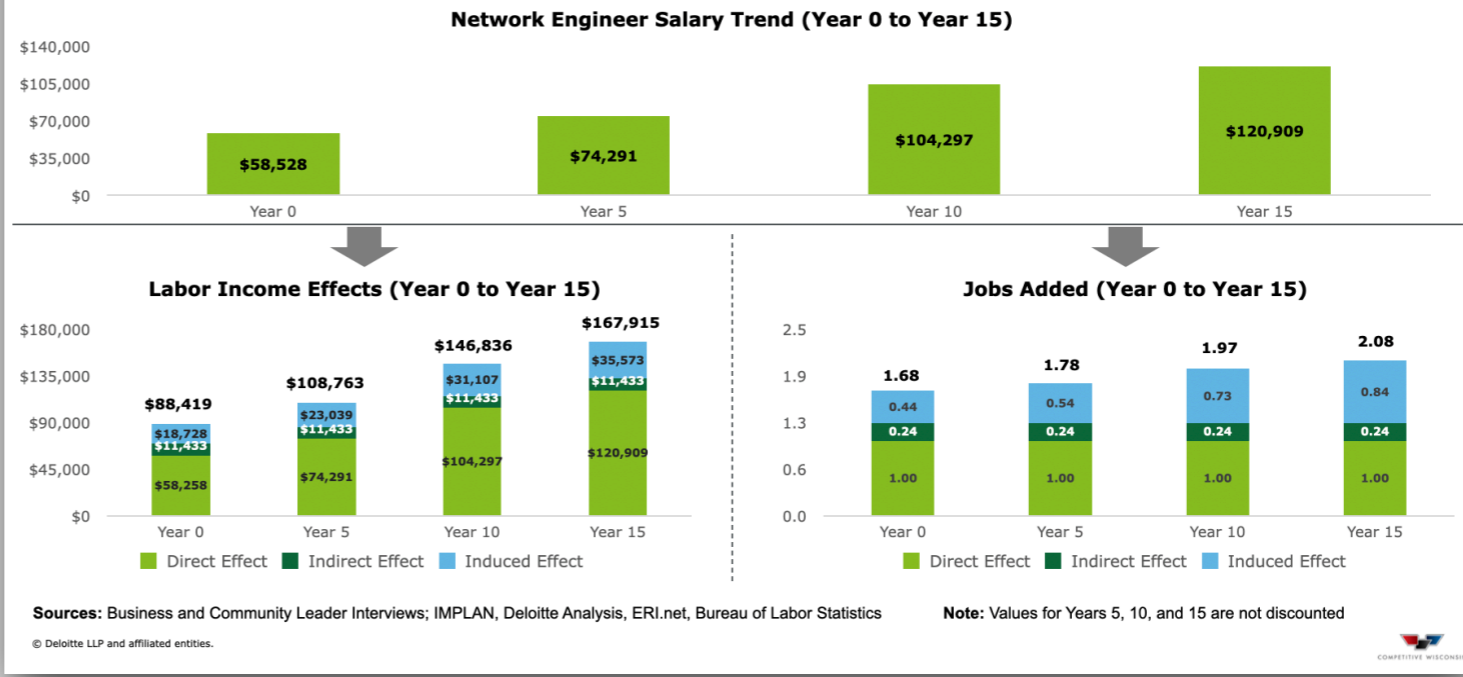
Economic Impact Analysis – Welder (Advanced Manufacturing Archetype)
 From a fiscal impacts perspective, by year 15 each Welder will allow for an incremental \$1,374 in annual county-level taxes and \$9,048 in annual state-level taxes



Deloitte quantified economic impact/value to the public sector

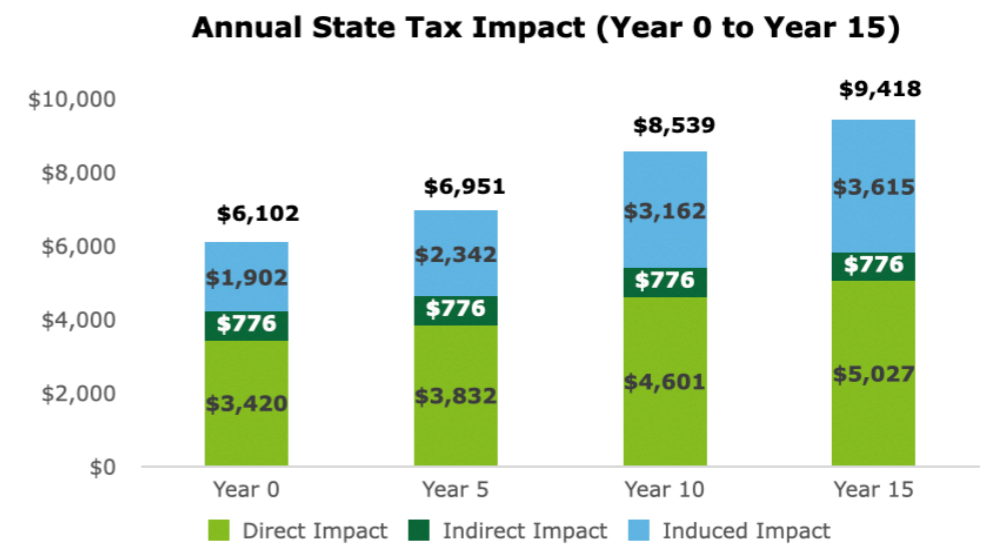
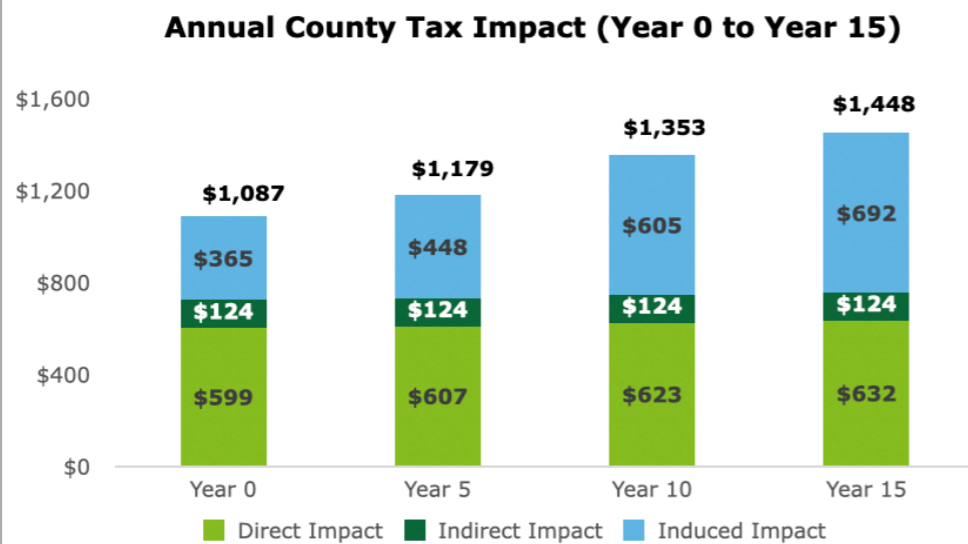


Economic Impact Analysis – Network Engineer (STEM Worker Archetype)
 By year 15 each Network Engineer will bring Wisconsin \$167,915 / year in additional labor income and create 2.08 jobs (including the Network Engineer's own job)

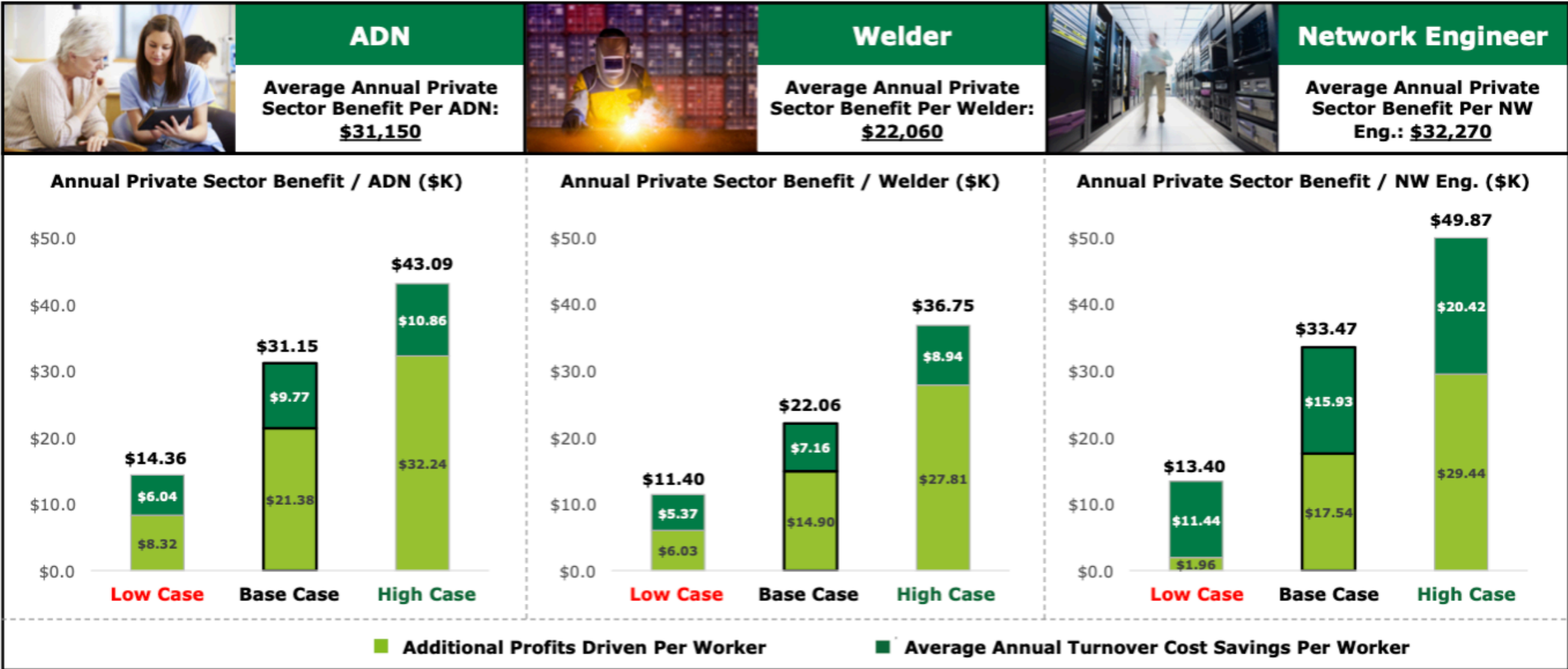


Economic Impact Analysis – Network Engineer (STEM Worker Archetype)

From a fiscal impacts perspective, by year 15 each Network Engineer will allow for an incremental \$1,448 in annual county-level taxes and \$9,418 in annual state-level taxes



Deloitte quantified economic impact/value to the private sector



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Deloitte quantified economic impact/value to the **private** sector

Executive Summary

Context: In evaluating workforce recruitment and retention topics as part of Be Bold IV, we have previously explored the public sector value of workers from three key archetypes. As a follow-up, the following is an analysis of the private sector value of those same three archetypes (shown below)


Objective: Quantify additional profits / cost savings brought by each worker archetype, assuming that workers are incentivized (through a workforce program) to remain with employers for a period of 5 years



ADN Summary Results	
+ Additional Annual Profitability Driven Per Worker	\$21.4 K
+ Annual Turnover Cost Savings Per Worker	\$9.8 K
Total Annual Private Sector Benefit Per Worker	\$31.1 K
x Workforce Program Duration	5 Years
Five Year Private Sector Benefit Per Worker	\$155.7 K



Welder Summary Results	
+ Additional Annual Profitability Driven Per Worker	\$14.9 K
+ Annual Turnover Cost Savings Per Worker	\$7.2 K
Total Annual Private Sector Benefit Per Worker	\$22.1 K
x Workforce Program Duration	5 Years
Five Year Private Sector Benefit Per Worker	\$110.3 K



Network Engineer Summary Results	
+ Additional Annual Profitability Driven Per Worker	\$16.3 K
+ Annual Turnover Cost Savings Per Worker	\$15.9 K
Total Annual Private Sector Benefit Per Worker	\$32.3 K
x Workforce Program Duration	5 Years
Five Year Private Sector Benefit Per Worker	\$161.3 K

Source: See Slides 21-23
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Note: Values shown are round to the nearest hundred, resulting in slight rounding errors for the "Private Sector Benefit" values shown on this page

After accounting for the proposed workforce recruitment and retention investments, the NET public and private revenues generated by filling the three high-demand job openings driven by growth and exits exceeds a half a billion dollars.

IDENTIFY FUNDING STREAMS

TARGETED INVESTMENT-DRIVEN SUSTAINABLE

	5 Year Net ROI per Job Filled	2018 Job Openings: Growth & Exits
	Public \$ 34,320	2,178
	Private \$145,750	
	Total \$ 180,070	
	Public \$ 50,070	500
	Private \$100,300	
	Total \$ 150,370	
	Public \$ 44,270	379
	Private \$157,350	
	Total \$ 201,620	

**Five Year
Grand NET Total
for just three of
the 50 Hot Jobs

\$582 MILLION**