

Wasatch Front Plastic & Rubber Manufacturing – Sample Model

ECONOMIC IMPACT MODEL ANALYSIS

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Wasatch Front Plastic & Rubber Manufacturing Sample Economic Impact Model *EDCUtah Regional Project Assessment System*

Introduction

EDCUtah Economic Impact Model

The economic impact model was created using software developed for the Economic Development Corporation of Utah (EDCUtah) by Applied Economics. It is important to remember that inputs to the model are estimates and do not represent exact and precise measurements. The output of the model, like any modeling tool, reflects the assumptions that are used in the formulation. Accordingly, if some of the assumptions change (e.g., employment numbers), then the model results will also change. The model is designed to give a community and/or business a general idea of the impact caused from the expansion or relocation of a business.

Purpose

Project-based model tailored for economic development and designed to evaluate economic impacts of new and existing businesses

Economic Multipliers

Eight custom multipliers for the state of Utah for 65 NAICS-based industry types (based on Minnesota IMPLAN Group input-output-data)

Data Requirements / Model Inputs

- Type of industry and geographical location of project
- Number of direct jobs and payroll
- Direct taxable sales (if applicable/available)
- Total corporate net income (if available)
- Annual lease costs, land costs, construction costs and/or building purchase costs (if available)
- Value of local (in-state) and non-local (out-of-state) equipment purchases (if available)

Economic Impacts

- 1) Project Description: summary page describing the inputs into the model.
- 2) Economic & Real Estate Impact: summary of the total economic and real estate impacts, including total non-residential square footage supported by the project and total local and state tax revenues.
- 3) Economic Impact by Type: detailed project benefits. Direct, supplier and consumer impact components are included. (These numbers support the employment, personal income, output, population and enrollment figures on the Impact Summary.)
- 4) Non-Residential Square Footage by Type: detailed supported non-residential square footage information for each year for the geographic region.

Typical Model Applications

- Quantify and evaluate potential benefits of prospective businesses, including evaluation for potential incentive offers
- Demonstrate multiplier impacts of a new business on other existing business sectors in the local economy
- Identify potential supplier leakages through non-local impact summary
- Document the cumulative value of economic development activities in your community for funding development efforts

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EDC Utah Regional Project Assessment System

Annual Project Data

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

Year	Employment Payroll	Skilled Semi-Skilled Unskilled	Construction Cost Land Cost	Building Purchase Annual Lease	Taxable Equipment Non-Taxable Equipment	Corporate Net Income Taxable Sales
2009	50 \$1,500,000	10.8% 63.7% 25.5%	\$2,000,000 \$500,000	\$0 \$0	\$500,000 \$1,000,000	\$50,000 \$1,000,000
2010	60 \$1,845,000	10.8% 63.7% 25.5%	\$0 \$0	\$0 \$0	\$200,000 \$500,000	\$62,500 \$1,250,000
2011	70 \$2,200,350	10.8% 63.7% 25.5%	\$0 \$0	\$0 \$0	\$200,000 \$500,000	\$75,000 \$1,500,000

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Economic & Real Estate Impacts

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

	ECONOMIC AND REAL ESTATE IMPACTS					REVENUE IMPACTS			
Year	Employment	Personal Income	Output	Non-Res Square Feet	Supported Population	Enrollment	Supported Households	Local Tax Revenue	State Tax Revenue
2009	82	\$2,683,037	\$10,837,068	45,536	171	35	54	\$180,565	\$300,308
2010	99	\$3,300,135	\$13,329,593	55,059	208	43	65	\$180,019	\$273,989
2011	116	\$3,935,746	\$15,896,895	64,679	244	50	76	\$207,416	\$325,203
TOTAL		\$9,918,918	\$40,063,556					\$568,000	\$899,499

Wasatch Front Plastic & Rubber Manufacturing Sample Economic Impact Model
EDC Utah Regional Project Assessment System

Economic Impact by Type / Description: Direct & Supplier

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

Direct Impact	Year	Employment	Supported Population	Grade School Population	High School Population	Supported Households	Personal Income	Output
	2009	50	105	14	8	33	\$1,500,000	\$7,141,871
	2010	60	125	17	9	39	\$1,845,000	\$8,784,501
	2011	70	146	20	11	46	\$2,200,350	\$10,476,410
						TOTAL	\$5,545,350	\$26,402,782
Supplier Impact	Year	Employment	Supported Population	Grade School Population	High School Population	Supported Households	Personal Income	Output
	2009	19	41	5	3	13	\$822,672	\$2,653,362
	2010	24	50	7	4	16	\$1,011,887	\$3,263,635
	2011	28	60	8	4	19	\$1,206,778	\$3,892,217
						TOTAL	\$3,041,337	\$9,809,215

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Economic Impact by Type / Description: Consumer & Total

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

Consumer Impact	Year	Employment	Supported Population	Grade School Population	High School Population	Supported Households	Personal Income	Output
	2009	13	26	4	2	8	\$360,365	\$1,041,835
	2010	15	32	4	2	10	\$443,248	\$1,281,457
	2011	18	39	5	3	12	\$528,619	\$1,528,267
						TOTAL	\$1,332,232	\$3,851,559
Total Impact	Year	Employment	Supported Population	Grade School Population	High School Population	Supported Households	Personal Income	Output
	2009	82	171	23	12	54	\$2,683,037	\$10,837,068
	2010	99	208	28	15	65	\$3,300,135	\$13,329,593
	2011	116	244	33	18	76	\$3,935,746	\$15,896,895
						TOTAL	\$9,918,918	\$40,063,556

Wasatch Front Plastic & Rubber Manufacturing Sample Economic Impact Model
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Non-Residential Supported Square Feet by Type

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

Year	Hotel	Retail	Office	Industrial	Hospital	Utilities	Govt.	Schools	Other	Total Non-Res S.F.	Total Housing Units
2009	1,103	2,676	4,361	35,151	713	41	1,259	584	232	45,536	54
2010	1,357	3,291	5,321	42,330	877	50	1,548	718	285	55,059	65
2011	1,618	3,925	6,301	49,543	1,046	60	1,846	856	340	64,679	76

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Direct & Total Revenue Impacts

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

		Local Impact				State Impact			
Direct Impact	Year	Real Property Taxes	Personal Property Taxes	Sales Tax	Total	Sales Tax	Income Tax	Corporate Franchise Tax	Total
	2009	\$36,000	\$18,792	\$32,580	\$87,372	\$85,500	N/A	\$2,500	\$88,000
	2010	\$36,000	\$27,130	\$3,620	\$66,750	\$9,500	N/A	\$3,125	\$12,625
	2011	\$36,000	\$34,186	\$3,620	\$73,806	\$9,500	N/A	\$3,750	\$13,250
	TOTAL	\$108,000	\$80,107	\$39,820	\$227,927	\$104,500	N/A	\$9,375	\$113,875
Total Impact	Year	Real Property Taxes	Personal Property Taxes	Sales Tax	Total	Sales Tax	Income Tax	Corporate Franchise Tax	Total
	2009	\$112,793	\$22,080	\$45,692	\$180,565	\$119,910	\$177,898	\$2,500	\$300,308
	2010	\$129,135	\$31,137	\$19,748	\$180,019	\$51,824	\$219,039	\$3,125	\$273,989
	2011	\$145,651	\$38,912	\$22,854	\$207,416	\$59,976	\$261,477	\$3,750	\$325,203
	TOTAL	\$387,578	\$92,128	\$88,294	\$568,000	\$231,710	\$658,414	\$9,375	\$899,499

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Construction Impact by Type / Description

Region: Wasatch Front (Utah)

Start Year: 2009

Industry Type: Plastic & Rubber Manufacturing

Type	Employment	Supported Population	Supported Households	Personal Income	Output
Direct	23	49	15	\$955,874	\$2,000,000
Supplier	6	13	4	\$206,772	\$543,344
Consumer	6	13	4	\$183,830	\$531,466
TOTAL	36	75	24	\$1,346,476	\$3,074,810

FOR ADDITIONAL INFORMATION

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