



WR Transformers - Impact Report

Scenario 1 with Client Data

Project Type: New Construction - Industrial
Industry: Manufacturing
Prepared By: Tomball EDC

Purpose & Limitations

This report presents the results of an economic and fiscal analysis undertaken by Tomball EDC using Impact Dashboard, a customized web application developed by Impact DataSource, LLC.

Impact Dashboard utilizes estimates, assumptions, and other information developed by Impact DataSource from its independent research effort detailed in a custom user guide prepared for Tomball EDC.

This report, generated by the Impact Dashboard application, has been prepared by Tomball EDC to assist economic development stakeholders in making an evaluation of the economic and fiscal impact of business activity in the community. This report does not purport to contain all of the information that may be needed to conclude such an evaluation. This report is based on a variety of assumptions and contains forward-looking statements concerning the results of operations of the subject firm. Tomball EDC made reasonable efforts to ensure that the project-specific data entered into Impact Dashboard reflects realistic estimates of future activity. Estimates of future activity involve known and unknown risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in this report.

Tomball EDC and Impact DataSource make no representation or warranty as to the accuracy or completeness of the information contained herein, and expressly disclaim any and all liability based on or relating to any information contained in, or errors or omissions from, this information or based on or relating to the use of this information.

Introduction

This report presents the results of an economic impact analysis performed using Impact Dashboard, a model developed by Impact DataSource. The report estimates the impact that a potential project will have on the local economy and estimates the costs and benefits for local taxing districts over a 10-year period.

Economic Impact Overview

The table below summarizes the economic impact of the project over the first 10 years in terms of job creation, salaries paid to workers, and taxable sales.

SUMMARY OF ECONOMIC IMPACT OVER 10 YEARS IN CITY OF TOMBALL			
IMPACT	DIRECT	SPIN-OFF	TOTAL
Jobs	30.0	14.5	44.5
Annual Salaries/Wages at Full Ops (Yr 2)	\$1,189,215	\$509,739	\$1,698,954
Salaries/Wages over 10 Years	\$5,586,973	\$2,394,770	\$7,981,743
Taxable Sales/Purchases in City of Tomball	\$700,166	\$29,935	\$730,101

Totals may not sum due to rounding

The Project may result in new residents moving to the community and potentially new residential properties being constructed as summarized below.

SUMMARY OF POPULATION IMPACT OVER 10 YEARS IN CITY OF TOMBALL			
IMPACT	DIRECT	SPIN-OFF	TOTAL
Workers who will move to City of Tomball	0.8	0.4	1.2
New residents in City of Tomball	2.1	1.0	3.1
New residential properties constructed in City of Tomball	0.1	0.1	0.2
New students to attend local school district	0.4	0.2	0.6

Totals may not sum due to rounding

The new taxable property to be supported by the Project over the next 10 years is summarized in the following table.

SUMMARY OF TAXABLE PROPERTY OVER THE FIRST 10 YEARS IN CITY OF TOMBALL							
YR.	NEW RESIDENTIAL PROPERTY	LAND	BUILDINGS...	FF&E	INVENTORIES	NON-RESIDENTIAL PROPERTY	TOTAL PROPERTY
1	\$21,046	\$0	\$400,000	\$1,100,000	\$300,000	\$1,800,000	\$1,821,046
2	\$42,935	\$0	\$508,000	\$1,390,000	\$360,000	\$2,258,000	\$2,300,935
3	\$43,793	\$0	\$518,160	\$1,240,000	\$0	\$1,758,160	\$1,801,953
4	\$44,669	\$0	\$528,523	\$1,090,000	\$0	\$1,618,523	\$1,663,193
5	\$45,563	\$0	\$539,094	\$940,000	\$0	\$1,479,094	\$1,524,656
6	\$46,474	\$0	\$549,876	\$790,000	\$0	\$1,339,876	\$1,386,350
7	\$47,403	\$0	\$560,873	\$640,000	\$0	\$1,200,873	\$1,248,277
8	\$48,352	\$0	\$572,091	\$490,000	\$0	\$1,062,091	\$1,110,442
9	\$49,319	\$0	\$583,532	\$340,000	\$0	\$923,532	\$972,851
10	\$50,305	\$0	\$595,203	\$300,000	\$0	\$895,203	\$945,508

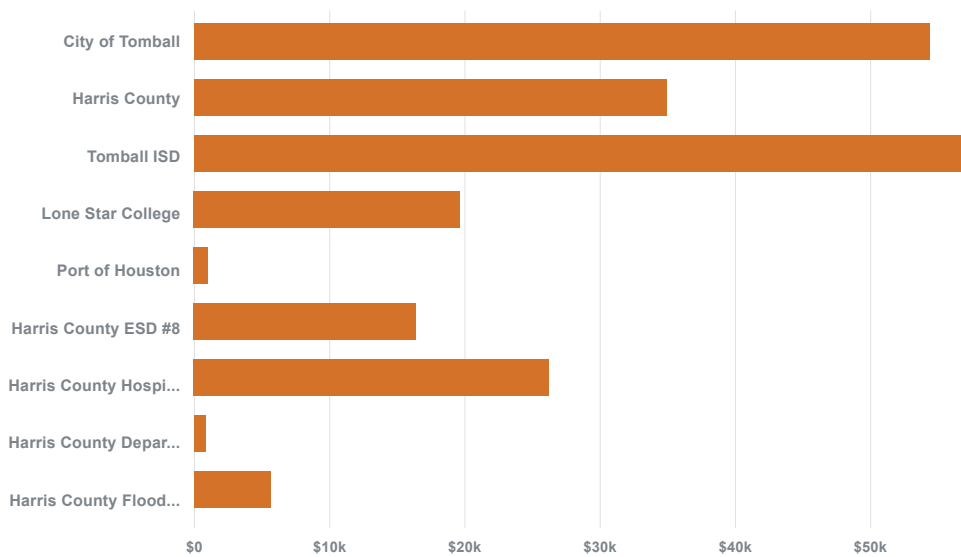
Fiscal Impact Overview

The Project will generate additional benefits and costs, a summary of which is provided below. The source of specific benefits and costs are provided in greater detail for each taxing district on subsequent pages.

FISCAL NET BENEFITS OVER THE NEXT 10 YEARS				
	BENEFITS	COSTS	NET BENEFITS	PRESENT VALUE*
City of Tomball	\$381,064	(\$326,652)	\$54,412	\$45,559
Harris County	\$92,307	(\$57,361)	\$34,946	\$28,709
Tomball ISD	\$159,235	(\$102,036)	\$57,200	\$45,810
Lone Star College	\$19,694	\$0	\$19,694	\$15,594
Port of Houston	\$1,051	\$0	\$1,051	\$832
Harris County ESD #8	\$16,440	\$0	\$16,440	\$13,017
Harris County Hospital District	\$26,252	\$0	\$26,252	\$20,787
Harris County Department of Education	\$879	\$0	\$879	\$696
Harris County Flood Control	\$5,683	\$0	\$5,683	\$4,500
Total	\$702,604	(\$486,048)	\$216,556	\$175,504

*The Present Value of Net Benefits expresses the future stream of net benefits received over several years as a single value in today's dollars. Today's dollar and a dollar to be received at differing times in the future are not comparable because of the time value of money. The time value of money is the interest rate or each taxing entity's discount rate. This analysis uses a discount rate of 5.0% to make the dollars comparable.

Net Benefits Over the Next 10 Years



Public Support Overview

A summary of the total Public Support modeled in this analysis is shown below.

VALUE OF PUBLIC SUPPORT UNDER CONSIDERATION		
	NON-TAX INCENTIVE	TOTAL
City of Tomball	\$12,072	\$12,072
Harris County	\$0	\$0
Tomball ISD	\$0	\$0
Lone Star College	\$0	\$0
Port of Houston	\$0	\$0
Harris County ESD #8	\$0	\$0
Harris County Hospital District	\$0	\$0
Harris County Department of Education	\$0	\$0
Harris County Flood Control	\$0	\$0
Total	\$12,072	\$12,072

City of Tomball Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by City of Tomball over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: CITY OF TOMBALL			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Sales Taxes	\$12,607	\$1,995	\$14,602
Real Property Taxes	\$15,708	\$0	\$15,708
FF&E Property Taxes	\$24,404	\$0	\$24,404
Inventory Property Taxes	\$1,936	\$0	\$1,936
New Residential Property Taxes	\$0	\$1,290	\$1,290
Hotel Occupancy Taxes	\$911	\$0	\$911
Building Permits and Fees	\$0	\$0	\$0
Utility Revenue	\$185,587	\$18,207	\$203,794
Utility Franchise Fees	\$10,659	\$1,041	\$11,700
Miscellaneous Taxes and User Fees	\$97,182	\$9,536	\$106,719
Benefits Subtotal	\$348,994	\$32,070	\$381,064
COSTS	PROJECT	HOUSEHOLDS	TOTAL
Cost of Government Services	(\$93,107)	(\$9,110)	(\$102,217)
Cost of Utility Services	(\$204,397)	(\$20,039)	(\$224,435)
Costs Subtotal	(\$297,504)	(\$29,148)	(\$326,652)
Net Benefits	\$51,490	\$2,922	\$54,412

Annual Fiscal Net Benefits for City of Tomball



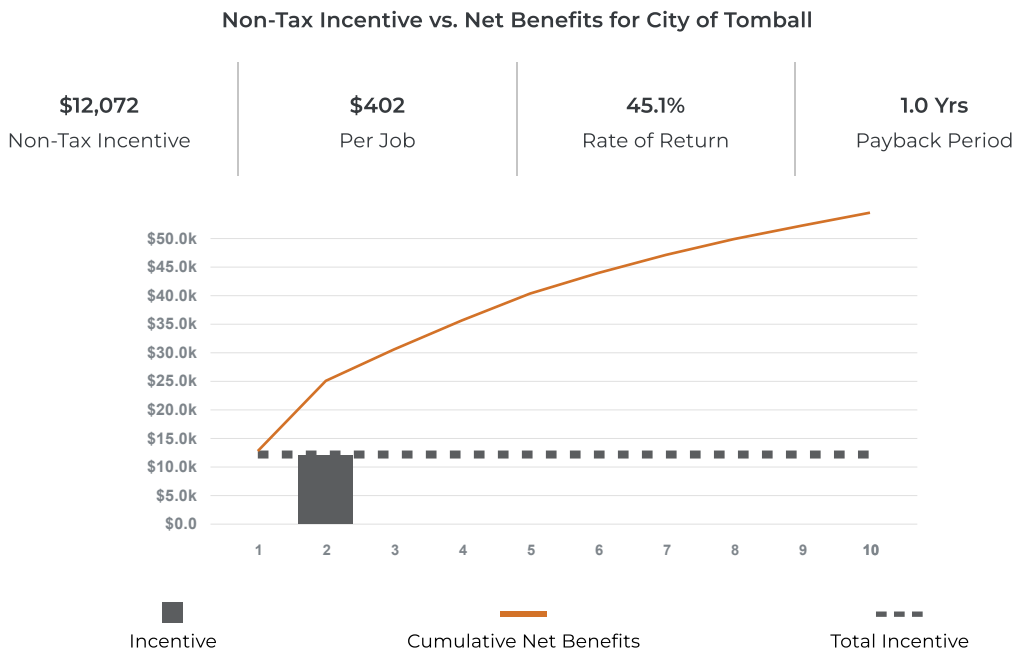
City of Tomball Public Support

Non-Tax Incentives

City of Tomball is considering the following non-tax incentives for the Project.

NON-TAX INCENTIVES UNDER CONSIDERATION	
YEAR	NON-TAX INCENTIVE
1	\$0
2	\$12,072
Total	\$12,072

The graph below depicts the non-tax incentives modeled in this analysis versus the cumulative net benefits to City of Tomball. The intersection indicates the length of time until the incentives are paid back.

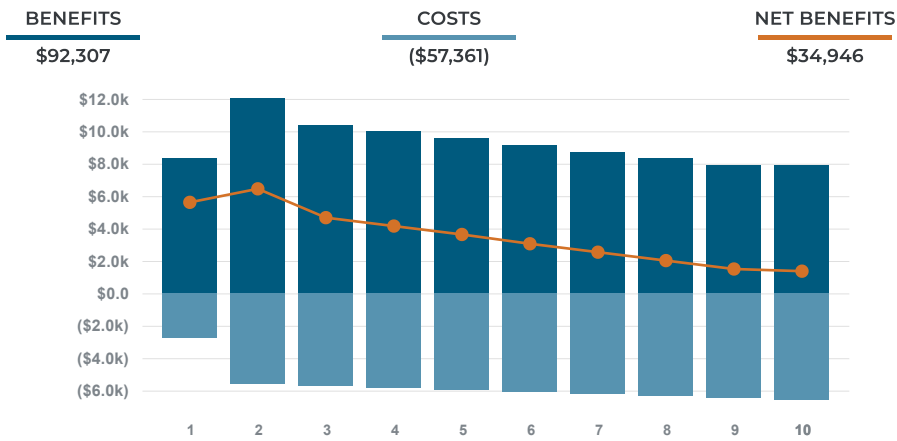


Harris County Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Harris County over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: HARRIS COUNTY			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$18,747	\$0	\$18,747
FF&E Property Taxes	\$29,126	\$0	\$29,126
Inventory Property Taxes	\$2,310	\$0	\$2,310
New Residential Property Taxes	\$0	\$13,890	\$13,890
Hotel Occupancy Taxes	\$260	\$0	\$260
Miscellaneous Taxes and User Fees	\$12,853	\$15,119	\$27,972
Benefits Subtotal	\$63,297	\$29,009	\$92,307
COSTS	PROJECT	HOUSEHOLDS	TOTAL
Cost of Government Services	(\$26,333)	(\$31,027)	(\$57,361)
Costs Subtotal	(\$26,333)	(\$31,027)	(\$57,361)
Net Benefits	\$36,964	(\$2,018)	\$34,946

Annual Fiscal Net Benefits for Harris County

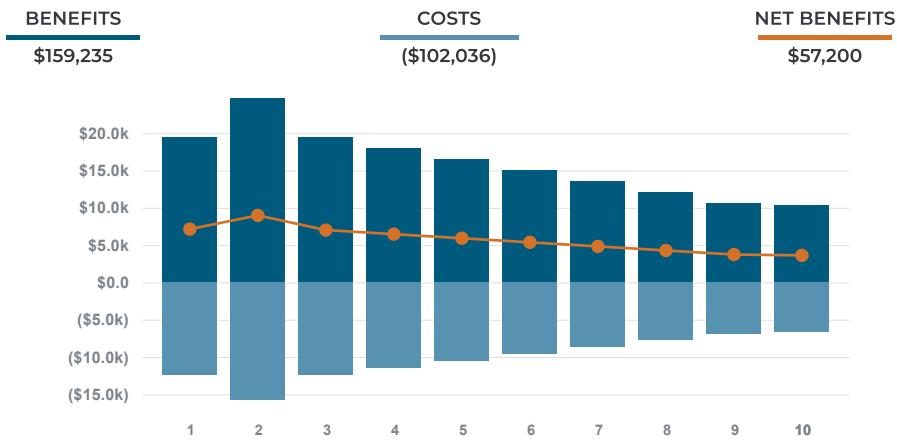


Tomball ISD Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Tomball ISD over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: TOMBALL ISD			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$57,045	\$0	\$57,045
FF&E Property Taxes	\$88,625	\$0	\$88,625
Inventory Property Taxes	\$7,030	\$0	\$7,030
New Residential Property Taxes	\$0	\$1,497	\$1,497
Addtl. State & Federal School Funding	\$0	\$5,038	\$5,038
Benefits Subtotal	\$152,700	\$6,535	\$159,235
COSTS	PROJECT	HOUSEHOLDS	TOTAL
Cost to Educate New Students	\$0	(\$4,891)	(\$4,891)
Reduction in State School Funding	(\$96,201)	(\$943)	(\$97,144)
Costs Subtotal	(\$96,201)	(\$5,834)	(\$102,036)
Net Benefits	\$56,499	\$701	\$57,200

Annual Fiscal Net Benefits for Tomball ISD



Lone Star College Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Lone Star College over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: LONE STAR COLLEGE			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$5,762	\$0	\$5,762
FF&E Property Taxes	\$8,952	\$0	\$8,952
Inventory Property Taxes	\$710	\$0	\$710
New Residential Property Taxes	\$0	\$4,269	\$4,269
Benefits Subtotal	\$15,425	\$4,269	\$19,694
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$15,425	\$4,269	\$19,694

Annual Fiscal Net Benefits for Lone Star College

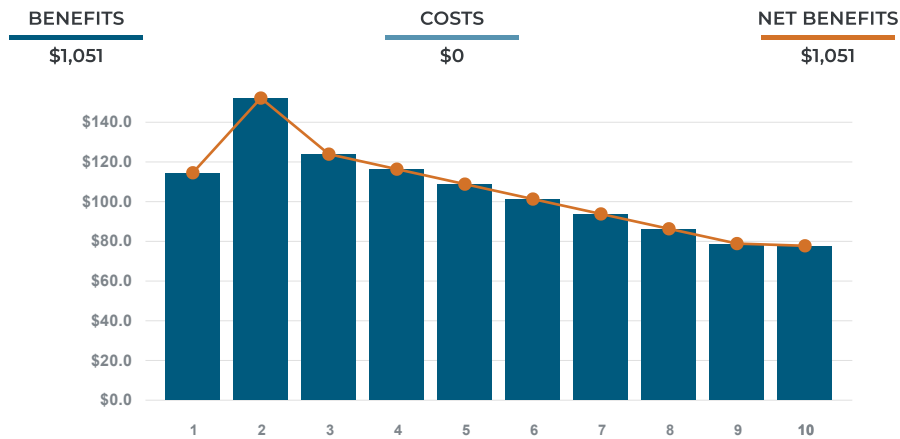


Port of Houston Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Port of Houston over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: PORT OF HOUSTON			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$307	\$0	\$307
FF&E Property Taxes	\$478	\$0	\$478
Inventory Property Taxes	\$38	\$0	\$38
New Residential Property Taxes	\$0	\$228	\$228
Benefits Subtotal	\$823	\$228	\$1,051
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$823	\$228	\$1,051

Annual Fiscal Net Benefits for Port of Houston



Harris County ESD #8 Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Harris County ESD #8 over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: HARRIS COUNTY ESD #8			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$4,810	\$0	\$4,810
FF&E Property Taxes	\$7,473	\$0	\$7,473
Inventory Property Taxes	\$593	\$0	\$593
New Residential Property Taxes	\$0	\$3,564	\$3,564
Benefits Subtotal	\$12,876	\$3,564	\$16,440
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$12,876	\$3,564	\$16,440

Annual Fiscal Net Benefits for Harris County ESD #8



Harris County Hospital District Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Harris County Hospital District over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: HARRIS COUNTY HOSPITAL DISTRICT			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$7,681	\$0	\$7,681
FF&E Property Taxes	\$11,933	\$0	\$11,933
Inventory Property Taxes	\$947	\$0	\$947
New Residential Property Taxes	\$0	\$5,691	\$5,691
Benefits Subtotal	\$20,561	\$5,691	\$26,252
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$20,561	\$5,691	\$26,252

Annual Fiscal Net Benefits for Harris County Hospital District



Harris County Department of Education Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Harris County Department of Education over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: HARRIS COUNTY DEPARTMENT OF EDUCATION			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$257	\$0	\$257
FF&E Property Taxes	\$399	\$0	\$399
Inventory Property Taxes	\$32	\$0	\$32
New Residential Property Taxes	\$0	\$190	\$190
Benefits Subtotal	\$688	\$190	\$879
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$688	\$190	\$879

Annual Fiscal Net Benefits for Harris County Department of Education



Harris County Flood Control Fiscal Impact

The table below displays the estimated additional benefits, costs, and net benefits to be received by Harris County Flood Control over the next 10 years of the Project.

NET BENEFITS OVER 10 YEARS: HARRIS COUNTY FLOOD CONTROL			
BENEFITS	PROJECT	HOUSEHOLDS	TOTAL
Real Property Taxes	\$1,663	\$0	\$1,663
FF&E Property Taxes	\$2,583	\$0	\$2,583
Inventory Property Taxes	\$205	\$0	\$205
New Residential Property Taxes	\$0	\$1,232	\$1,232
Benefits Subtotal	\$4,451	\$1,232	\$5,683
COSTS	PROJECT	HOUSEHOLDS	TOTAL
None Estimated	\$0	\$0	\$0
Costs Subtotal	\$0	\$0	\$0
Net Benefits	\$4,451	\$1,232	\$5,683

Annual Fiscal Net Benefits for Harris County Flood Control



Methodology

Overview of Methodology

The Impact Dashboard model combines project-specific attributes with community data, tax rates, and assumptions to estimate the economic impact of the Project and the fiscal impact for local taxing districts over a 10-year period.

The economic impact as calculated in this report can be categorized into two main types of impacts. First, the direct economic impacts are the jobs and payroll directly created by the Project. Second, this economic impact analysis calculates the spin-off or indirect and induced impacts that result from the Project. Indirect jobs and salaries are created in new or existing area firms, such as maintenance companies and service firms, that may supply goods and services for the Project. In addition, induced jobs and salaries are created in new or existing local businesses, such as retail stores, gas stations, banks, restaurants, and service companies that may supply goods and services to new workers and their families.

The economic impact estimates in this report are based on the Regional Input-Output Modeling System (RIMS II), a widely used regional input-output model developed by the U. S. Department of Commerce, Bureau of Economic Analysis. The RIMS II model is a standard tool used to estimate regional economic impacts. The economic impacts estimated using the RIMS II model are generally recognized as reasonable and plausible assuming the data input into the model is accurate or based on reasonable assumptions. Impact DataSource utilizes adjusted county-level multipliers to estimate the impact occurring at the sub-county level.

Two types of regional economic multipliers were used in this analysis: an employment multiplier and an earnings multiplier. An employment multiplier was used to estimate the number of indirect and induced jobs created or supported in the area. An earnings multiplier was used to estimate the amount of salaries to be paid to workers in these new indirect and induced jobs. The employment multiplier shows the estimated number of total jobs created for each direct job. The earnings multiplier shows the estimated amount of total salaries paid to these workers for every dollar paid to a direct worker. The multipliers used in this analysis are listed below:

335311 POWER, DISTRIBUTION, AND SPECIALTY TRANSFORMER MANUFACTURING		CITY OF TOMBALL
Employment Multiplier	(Type II Direct Effect)	1.4824
Earnings Multiplier	(Type II Direct Effect)	1.4286

Most of the revenues estimated in this study result from calculations relying on (1) attributes of the Project, (2) assumptions to derive the value of associated taxable property or sales, and (3) local tax rates. In some cases, revenues are estimated on a per new household, per new worker, or per new school student basis.

The company or Project developer was not asked, nor could reasonably provide data for calculating some other revenues. For example, while the city will likely receive revenues from fines paid on speeding tickets given to new workers, the company does not know the propensity of its workers to speed. Therefore, some revenues are calculated using an average revenue approach.

This approach uses relies on two assumptions:

1. The taxing entity has two general revenue sources: revenues from residents and revenues from businesses.
2. The taxing entity will collect (a) about the same amount of miscellaneous taxes and user fees from each new household that results from the Project as it currently collects from existing households on average, and (b) the same amount of miscellaneous taxes and user fees from the new business (on a per worker basis) will be collected as it collects from existing businesses.

In the case of the school district, some additional state and federal revenues are estimated on a per new school student basis consistent with historical funding levels.

Additionally, this analysis sought to estimate the additional expenditures faced by local jurisdictions to provide services to new households and new businesses. A marginal cost approach was used to calculate these additional costs.

This approach relies on two assumptions:

1. The taxing entity spends money on services for two general groups: revenues from residents and revenues from businesses.
2. The taxing entity will spend slightly less than its current average cost to provide local government services (police, fire, EMS, etc.) to (a) new residents and (b) businesses on a per worker basis.

In the case of the school district, the marginal cost to educate new students was estimated based on a portion of the school's current expenditures per student and applied to the headcount of new school students resulting from the Project.

Additionally, this analysis seeks to calculate the impact on the school district's finances from the Project by generally, and at a summary level, mimicking the district's school funding formula.

According to the Texas Education Agency, any property added to local tax rolls, and the local taxes that this generates, reduces the amount of state funding equivalent to local taxes collected for maintenance and operations. The school district retains local taxes received for debt services and the corresponding state funding is not reduced. However, according to the Texas Education Agency, the school district will receive state aid for each new child that moves to the District. The additional revenues for the school district are calculated in this analysis.

About Impact DataSource

Established in 1993, Impact DataSource is an Austin, Texas-based economic consulting firm. Impact DataSource provides high-quality economic research, specializing in economic and fiscal impact analyses. The company is highly focused on supporting economic development professionals and organizations through its consulting services and software. Impact DataSource has conducted thousands of economic impact analyses of new businesses, retention and expansion projects, developments, and activities in all industry groups throughout the U.S.

For more information on Impact DataSource, LLC and our product Impact Dashboard, please visit our website www.impactdatasource.com



Scenario 1 with Client Data