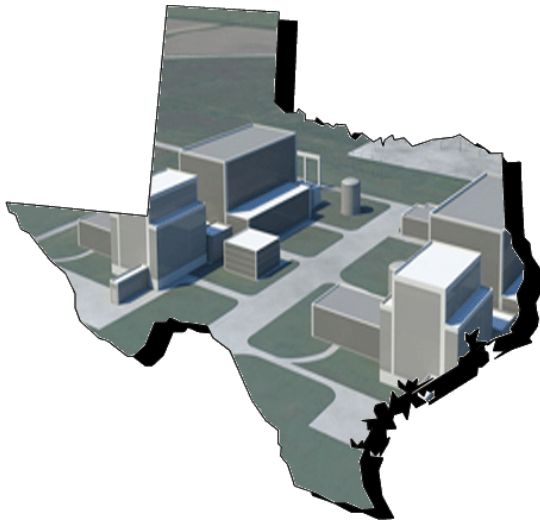

January 2010

The Anticipated Impact of Construction and Operations
Associated with the Proposed Development of Units 3 and 4 of
the South Texas Project (STP) Nuclear Generation Facility on
Business Activity in Texas and the Matagorda County Area



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Introduction



Introduction

- An adequate supply of available electric power at reasonable prices is vital to existing business activity as well as future economic development.
- Proper planning to meet future electricity needs at a competitive price is essential to attracting and retaining business, and new generation projects must be initiated years in advance to allow time for construction and development.
- Matagorda County is currently home to the South Texas Project (STP), a two-unit nuclear facility that went online over 20 years ago. This facility has helped improve reliability and pricing for customers served.
- NRG Energy owns 44% of the existing units at STP (Units 1 and 2), and has proposed the construction of an additional two units (Units 3 and 4) to increase capacity from 2,700 megawatts (MW) to 5,400 MW.
- The proposed expansion to the STP nuclear facility plays an important role in ensuring availability and affordability of electricity in Texas, while increasing fuel diversity in the Lone Star State. The multi-billion dollar investment also generates substantial business activity both during its development and on a permanent basis through maintenance and operations.
- The Perryman Group (TPG) was recently asked to examine the economic impact of the construction and development, ongoing operations, and fuel diversity implications of Units 3 and 4.



HIGHLIGHTS OF STUDY FINDINGS

- While several power plants are currently in planning stages, recent estimates by the Electric Reliability Council of Texas (ERCOT) of total requirements (peak demand plus a 12.5% reserve margin) show that the reserve margin is expected to dip below 12.5% by summer 2014 in the absence of new facilities.
- The proposed expansion of STP represents an important component of the state's future generation capacity.
 - The nuclear facilities can provide this electricity without contributing to the state's air quality problems.
 - Along with renewable energy and other sources, this large-scale plant helps the fuel diversity of the power supply, which is presently dominated by natural gas facilities. This helps reduce the overall cost of power to customers.
- While a higher initial capital investment is required for nuclear power plants, they offer lower and generally more stable fuel costs compared to natural gas-fired facilities. Over the past five years, the average electricity cost for residential electricity customers in the deregulated market areas with high dependence on natural gas (such as Dallas, Houston, and Corpus Christi) have been more than 60% higher than those in markets with dedicated nuclear power resources (such as San Antonio and Austin).
- Plans are underway to expand the South Texas Project with two new 1,350-megawatt units (Units 3 and 4) located adjacent to the existing units. The Perryman Group measured the impact of the proposed facility related to
 - construction and development,
 - ongoing maintenance and operations, and



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- the potential effects on fuel diversity under alternative scenarios.
 - The construction and development of Units 3 and 4 of the STP would lead to a sizable stimulus to the local and state economies.
 - The Perryman Group estimates that the incremental business activity for the state as a whole would total \$15.1 billion in total spending, \$7.3 billion in output (real gross product), and 91,607 person-years of employment. These gains would be concentrated in the local Matagorda County area.
 - Over the course of the construction phase, the project will also generate an estimated \$385.5 million in State fiscal revenues and \$204.7 million to various local governments (in constant 2009 dollars).
 - Once in place, Units 3 and 4 will continue to lead to a sizable economic stimulus through daily operations, maintenance, and related initiatives.
 - The Perryman Group estimates that, at maturity, the ongoing operations of Units 3 and 4 would lead to incremental business activity in the state of \$3.6 billion in annual spending, \$1.2 billion in output (gross product) each year, and 8,407 permanent jobs.
 - Once fully operational, the plant will generate \$38.6 million in annual State revenues and \$179.2 million to local public entities each year.
 - As noted, adding nuclear-fueled generation improves the diversity of the state's input fuel mix, leading to lower prices through fuel switching in a competitive market in times of high marginal cost for natural gas. These lower prices, in turn, stimulate the economy as customers spend their savings in other ways. In addition, the state is a more attractive site for economic development as a result of



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- greater certainty in power supply and cost effectiveness. The Perryman Group formulated two scenarios to illustrate the potential gains from fuel diversity.
- In Case 1, TPG assumed fuel prices equal to 2003-2009 averages. Under these assumptions, the gains in business activity to the state from improved fuel diversity would include \$1.8 billion in total annual spending, \$852.6 million in annual output (gross product), and 10,686 jobs.
 - Case 2 assumes fuel prices equal to 2008 averages. In this case, the gains in business activity associated with the improved fuel diversity offered by Units 3 and 4 rise to \$4.5 billion in annual spending, \$2.1 billion in output, and 26,129 jobs.
- Expanding the STP helps ensure the adequacy and affordability of the state's electric power supply without adding incremental emissions. The expansion also leads to significant gains in business activity both during construction and once operational. In short, the development of Units 3 and 4 of the STP represents a notable project which offers substantial benefits in multiple contexts.



THE PERRYMAN GROUP'S PERSPECTIVE

- Dr. M. Ray Perryman, founder and president of the firm, developed the Texas Econometric Model and the US Multi-Regional Impact Assessment System about 30 years ago and has maintained, expanded, and updated them on an ongoing basis. These models, which are used in the current analysis, have been the basis for hundreds of applications across a broad spectrum and have an excellent reputation for reliability. Each of these systems also has similar submodels which reflect the unique industrial composition of the Matagorda County area and Texas.
- TPG has prepared detailed forecasts for this region on an ongoing basis for more than 25 years and has completed numerous projects in the area.
- The firm also has extensive expertise in studies related to the electric power sector. TPG provided the original rate analysis for the implementation of STP in several areas. The firm has also conducted studies evaluating competitive electric markets in numerous contexts. TPG has performed impact studies for new generation, transmission, and distribution facilities as well as public policy assessments for a variety of initiatives in the energy sector. TPG prepared a preliminary evaluation of the proposed Units 3 and 4 several years ago, and has analyzed the current units and proposed expansion of the Comanche Peak facilities in North Texas, other proposed new nuclear plants in Texas, and numerous other generation investments. The firm has advised the Public Utility Commission of Texas, the Texas Legislature, the Federal Energy Regulatory Commission, and the US Department of Energy on electric power issues.



Texas' Growing Need for Power



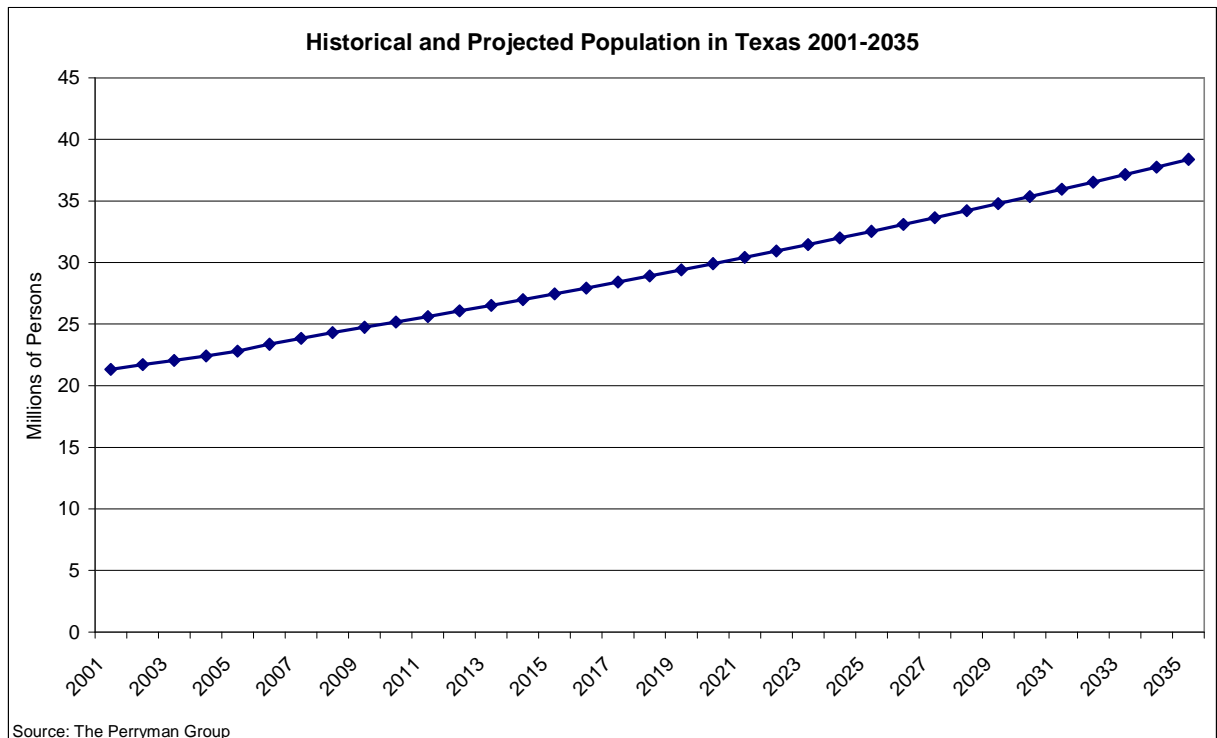
Texas' Growing Need for Power

- While several power plants are currently in planning stages, Texas' electrical needs have grown at a rate of 2 to 3% in recent years. **ERCOT gives regular updates of total requirements (peak demand plus a 12.5% reserve margin) and recent reports show that the reserve margin is expected to dip below 12.5% by summer 2014 in the absence of new facilities.**
- Studies (by TPG as well as other entities analyzing the issue) consistently show a potential shortage of electric power without significant capacity additions to the electric grid. Significant harms to the economic development prospects for the state can occur without the assurance of adequate power over an extended time horizon.
- Population is a primary driver of electricity demand. In fact, demand for electricity has been growing faster than any other type of energy consumption throughout the nation (although this pattern has been temporarily interrupted by the recent recession). In addition to population, business activity and economic growth lead to increased power usage as well.
- Past and projected growth in both population and business activity indicate that Texas has growing power requirements and a clear need for additional generation facilities.



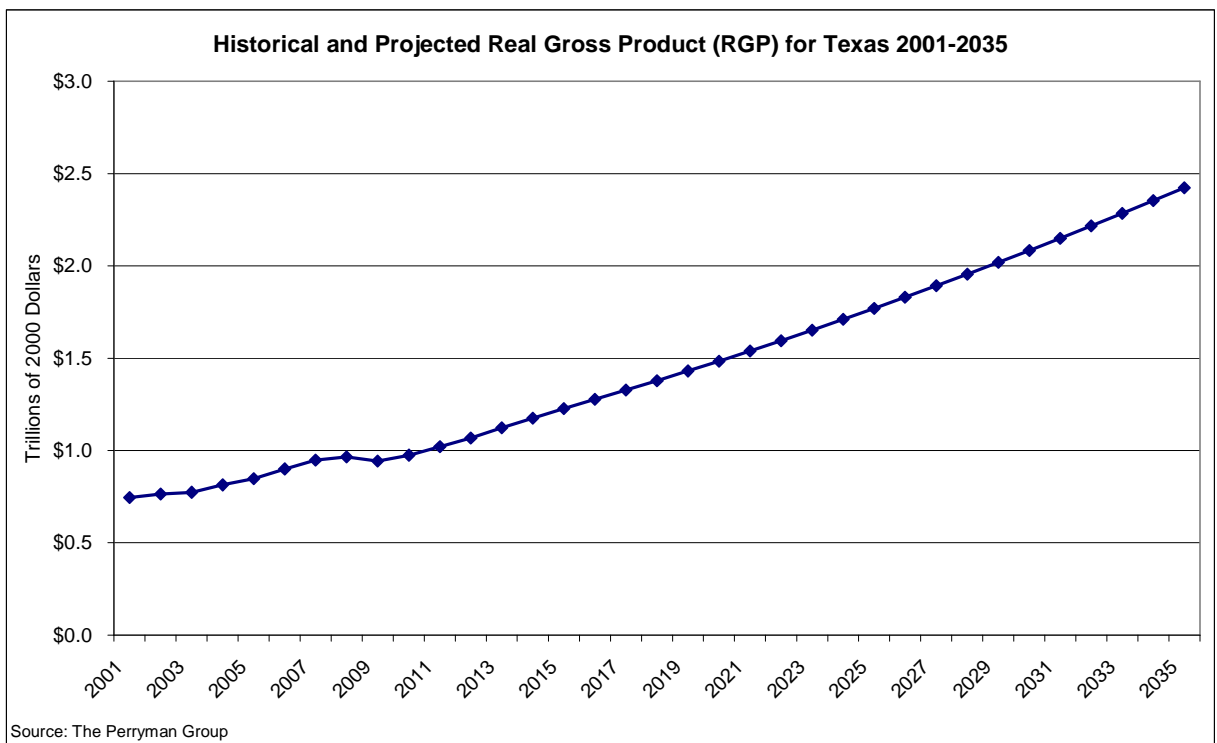
POPULATION GROWTH

- The population in Texas has steadily risen, climbing by 16% since 2001, faster than that of the nation which expanded by 8% from 2001 to 2009. By 2035, Texas is anticipated to be home to 38.4 million people, an increase of 55% over the estimated 24.7 million currently. Again, this rate of increase far exceeds the 26% gain expected by the rest of the nation.
- Texas population growth is spurred by a natural increase, with Texas having a higher-than-average number of children per family, as well as by immigration ranging from retirees attracted by a temperate climate and favorable cost-of-living and amenities to persons from other states and nations seeking to take advantage of the expanding business opportunities.



OUTPUT GROWTH

- Texas has also seen notable expansion in output as measured by real gross product (RGP). In 2001, Texas' RGP totaled \$745.84 billion (in constant 2000 dollars); today, it stands at an estimated \$942.90 billion. Although RGP dipped slightly in 2009 due to the economic difficulties throughout the US, it is expected to recover and continue to grow over the long term. In 2035, the state's total RGP is projected to reach more than \$2.42 trillion.



IMPLICATIONS FOR POWER NEEDS

- Given these demographic and economic patterns, there is a need for additional generation capacity in order to maintain reserve margins and guard against power insufficiencies. Although energy efficiency and shifting industrial composition play a role in reducing power needs, previous simulations of the Texas Econometric Model reveal that a 1% increase in real gross product brings an expansion of about 0.72% in projected commercial and industrial power requirements.
- The proposed expansion of STP represents an important component of the state's future generation capacity. In addition, the nuclear facilities can provide this electricity without contributing to the state's air quality problems. Moreover, along with renewable energy and other sources, this large-scale plant helps the fuel diversity of the power supply in the ERCOT region (an area encompassing about 85% of state business activity). At present, both capacity and electricity production are dominated by natural gas facilities and, thus, are subject to extensive price volatility. This issue is explored in more detail below.



Nuclear Power and the Importance of Fuel Diversity



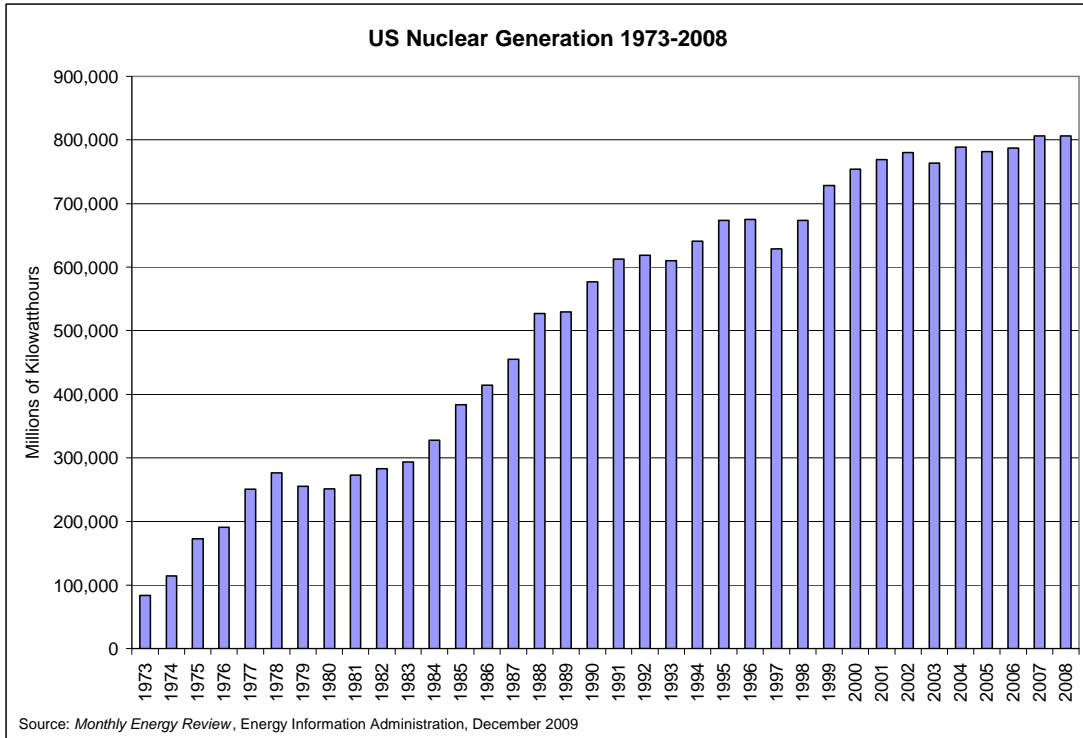
Nuclear Power and the Importance of Fuel Diversity

- Nuclear plants represent a desirable source of needed generation capacity.
- The number of plants operating in the US has been growing over the past decades. Most plants are operating near capacity.
- Nuclear-fueled facilities also improve the fuel diversity of the state's generation resources, which helps reduce the overall cost of power to customers.

NUCLEAR POWER GENERATION AND CAPACITY

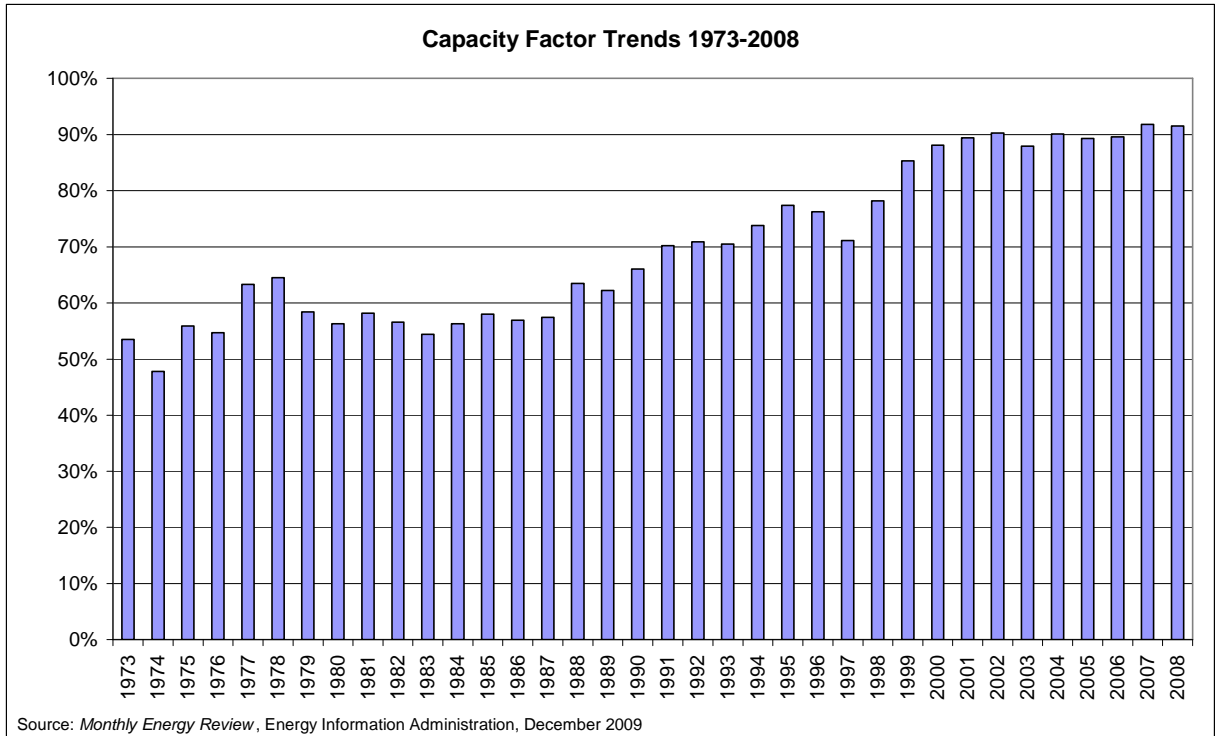
- The total number of nuclear power plants has climbed from 42 in the early 1970s to 104 in 2008. Likewise, the total amount of nuclear power generation over the past 35 years has risen substantially.





- In addition, the approximately 100 nuclear plants now operating throughout the US have had a utilization capacity factor over 80% since 2000 and over 90% for the past two years.





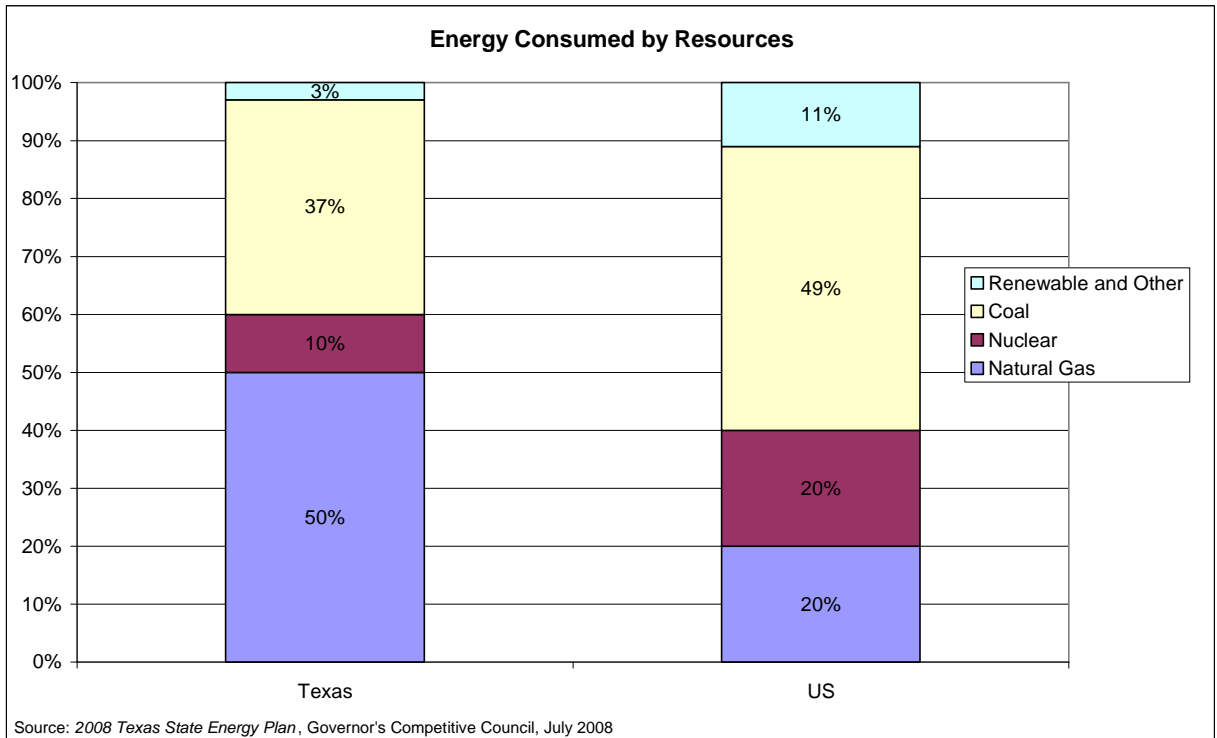
EFFECT ON FUEL DIVERSITY

- Another relevant consideration is the effect of generation capacity additions on the state's fuel diversity (mix of input fuels used for electric power generation).
- More diversity in ERCOT, currently dominated by natural gas fueled generation, would allow the energy system to shift between multiple sources in response to changes in price, resulting in long-term cost savings.
- While a higher initial capital investment is required for nuclear power plants, they offer lower and generally more stable fuel costs compared to natural gas-fired facilities. As noted, nuclear power plants have the added benefit of not emitting any carbon dioxide or other greenhouse gases.



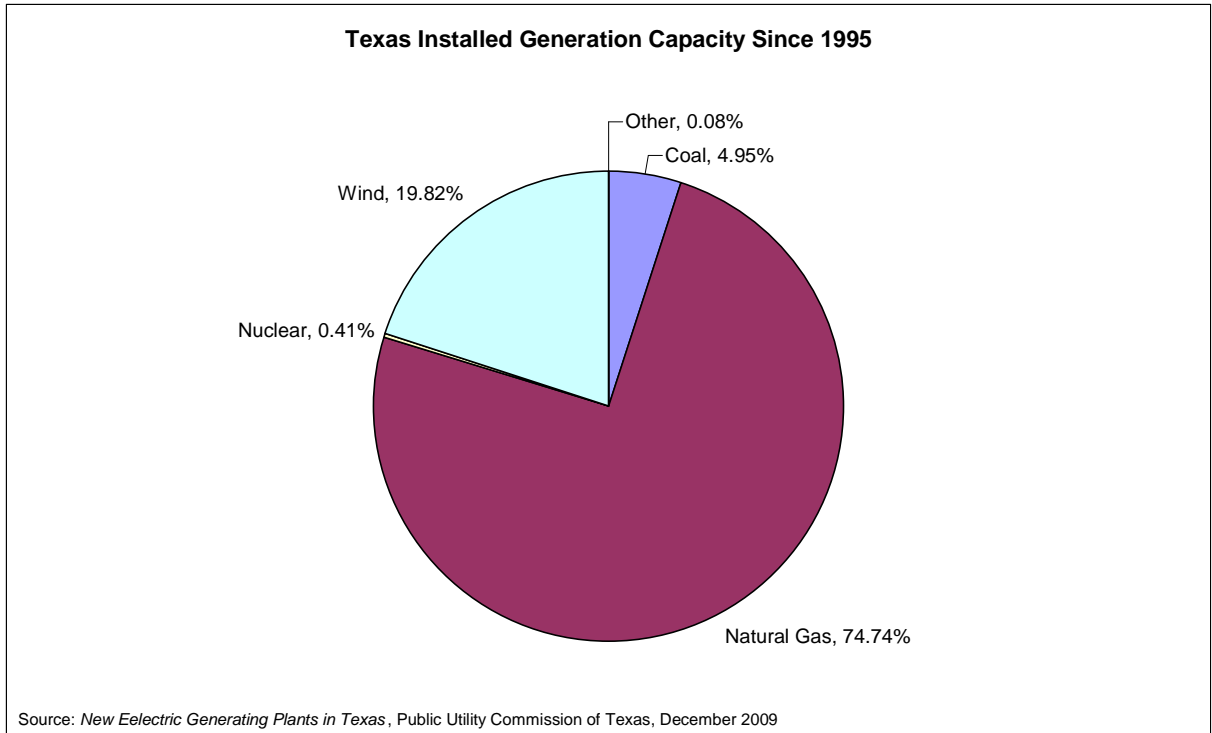
DEPENDENCY ON NATURAL GAS

- Currently, Texas' generation capacity is disproportionately weighted towards natural gas.



- In addition, for most of the state, dependence on natural gas-fired generation capacity has been increasing. In fact, over 75% of the installed generation capacity in Texas since 1995 has been fueled by natural gas.





- Gas-fired plants are cheap to construct and are highly fuel efficient relative to earlier technologies, producing a stable source of energy. However, due to the volatility of natural gas prices, over-reliance on such generation facilities often leads to dramatic fluctuations in electric prices. Moreover, their cost effectiveness diminishes drastically as natural gas prices rise. This pattern was particularly evident both in the aftermath of Hurricane Katrina in 2005 and in the rapid price run-up in the summer of 2008. Current conditions indicate that natural gas prices have the potential to rise significantly and stay persistently high, particularly given national attention to emissions reduction.
- The price of nuclear fuel is low and very stable compared to natural gas. Furthermore, the price of nuclear fuel is expected to remain low for years to come.

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- The recent experience of customers in markets with a higher proportion of generation capacity stemming from nuclear power illustrates the potential cost savings. **Over the past five years, the average electricity cost for residential customers in the deregulated market areas with high dependence on natural gas (such as Dallas, Houston, and Corpus Christi) have been more than 60% higher than those in markets with dedicated nuclear power resources (such as San Antonio and Austin).**
 - A more diverse mix of power sources provides relatively lower overall energy costs by allowing greater displacement of natural gas-based generation during times of high prices. Lower energy costs not only benefit local economies through savings to customers (who can then spend that money in other ways throughout the local area), but also provide a competitive environment for corporate relocations and expansions.



Economic Impact of the Proposed Units 3 and 4 of the South Texas Project



Economic Impact of the Proposed Units 3 and 4 of the South Texas Project

- The South Texas Project is located in Matagorda County, Texas. The existing STP reactor units (Units 1 and 2) went online in 1988 and 1989 and generate 2,700 megawatts of nuclear energy. The existing units are owned by NRG Energy (44%), CPS Energy (40%), and Austin Energy (16%).
- It would require 9.8 million tons of coal or 215 billion cubic feet of natural gas to generate the 2,700 megawatt capacity of the current two units at STP. Moreover, unlike coal and gas fueled stations, nuclear energy does not emit any carbon dioxide or other greenhouse gases. It is estimated that the two existing STP units prevent 16 million tons of carbon dioxide, 10,000 tons of nitrogen oxide, and 38,000 tons of sulfur oxide annually.
- Plans are underway to expand the South Texas Project with two new 1,350-megawatt units (Units 3 and 4) located adjacent to the existing units. The new units are expected to go online within the next several years and will double the facility's generation capacity.
- The Perryman Group measured the impact of the proposed facility related to
 - construction and development,
 - ongoing maintenance and operations, and
 - the potential effects on fuel diversity under alternative scenarios.
- The gains in business activity were measured for
 - the local area (Matagorda County) and
 - the state as a whole.



METHODOLOGY

- The methods used in this study to assess the economic impact of the STP expansion on the Texas and Matagorda County economies include dynamic input-output assessment, which essentially uses extensive survey data, industry information, and a variety of corroborative source materials to create a matrix describing the various goods and services (known as resources or inputs) required to produce one unit (a dollar's worth) of output for a given sector. Once the base information is compiled, it can be mathematically simulated to generate evaluations of the magnitude of successive rounds of activity involved in the overall production process. The expected investment and employment levels were provided by NRG, a principle investor in the proposed new facility, and are consistent with levels in other comparable initiatives. They are fully adjusted to reflect the proportion of the outlays that represent major components procured outside the state. All monetary values are given in constant (2009) dollars.
- Fuel diversity benefits were estimated by examining the volume of nuclear-powered generation supported by the proposed NRG facility and the market effects of shifting such usage away from natural gas under two alternative pricing scenarios. Separate analysis of the resulting savings in a competitive market is included by major customer category (residential, commercial, and industrial). This analysis estimates the potential savings based on fuel switching to lower marginal cost sources in a competitive market environment. The allocations to various sectors are based on current and projected usage patterns as determined by the electricity parameters of the Texas submodel of the US Multi-Regional Impact Assessment System. The production levels are based on current simulations of the Texas Econometric Model.

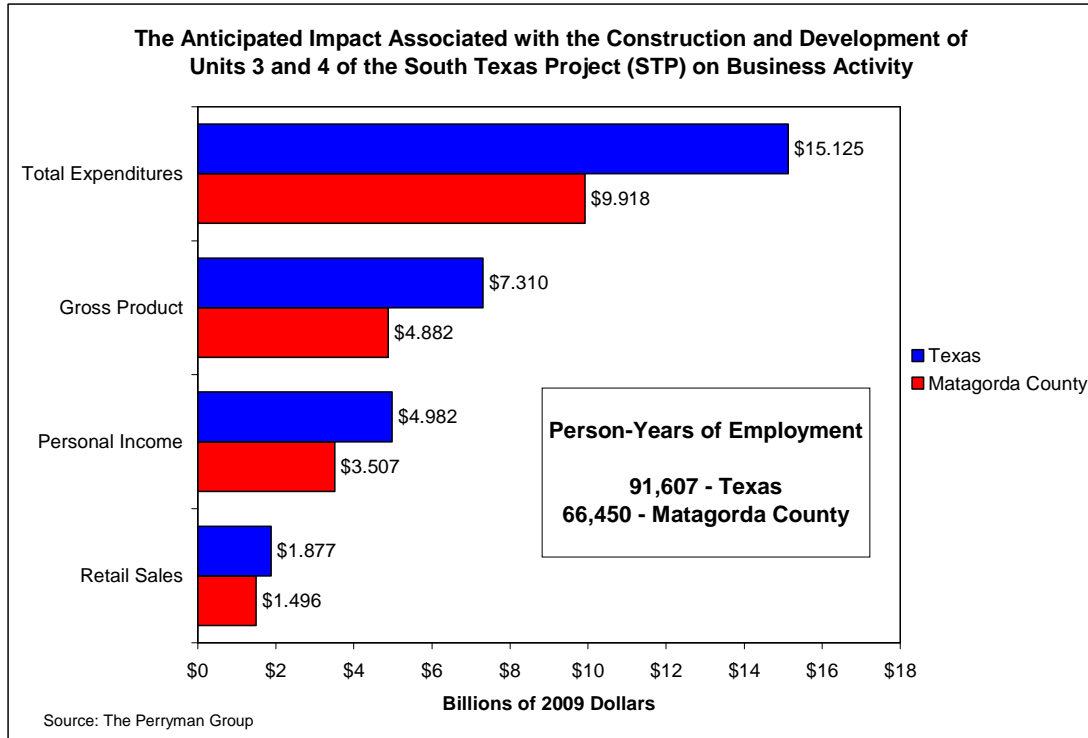


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- A more detailed explanation of the methods and terms used in this study, including the pertinent input-output and econometric systems, may be found in Appendix A.

CONSTRUCTION AND DEVELOPMENT IMPACT

- The construction and development of Units 3 and 4 of the STP would lead to a sizable stimulus to the local and state economies. **The Perryman Group estimates that the incremental business activity for the state as a whole would total \$15.1 billion in total spending, \$7.3 billion in output (real gross product), and 91,607 person-years of employment.** These gains would be concentrated in the local Matagorda County area, which would likely experience an addition to business activity of \$9.9 billion in spending, \$4.9 billion in output, and 66,450 person-years of employment.
- **Over the course of the construction phase, the project will generate an estimated \$385.5 million in State fiscal revenues and \$204.7 million to various local governments (in constant 2009 dollars).**





- The Perryman Group used estimates of the timing of outlays to quantify the effect of construction and development of Units 3 and 4 by year. These annual impacts are presented in the tables below.

The Anticipated Impact Associated with the Construction and Development of Units 3 and 4 of the South Texas Project (STP) on Business Activity in Matagorda County
(Monetary Values in Millions of 2009 Dollars)

Year	Total Expenditures	Gross Product	Personal Income	Retail Sales	Person-Years of Employment
2011	\$296.944	\$146.174	\$104.992	\$44.806	1,990
2012	\$1,074.146	\$528.759	\$379.793	\$162.077	7,197
2013	\$1,643.091	\$808.828	\$580.958	\$247.925	11,009
2014	\$2,227.081	\$1,096.303	\$787.443	\$336.043	14,922
2015	\$2,235.396	\$1,100.396	\$790.383	\$337.297	14,978
2016	\$1,643.091	\$808.828	\$580.958	\$247.925	11,009
2017	\$797.790	\$392.720	\$282.080	\$120.378	5,345
TOTAL	\$9,917.540	\$4,882.009	\$3,506.608	\$1,496.451	66,450

The Anticipated Impact Associated with the Construction and Development of Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas

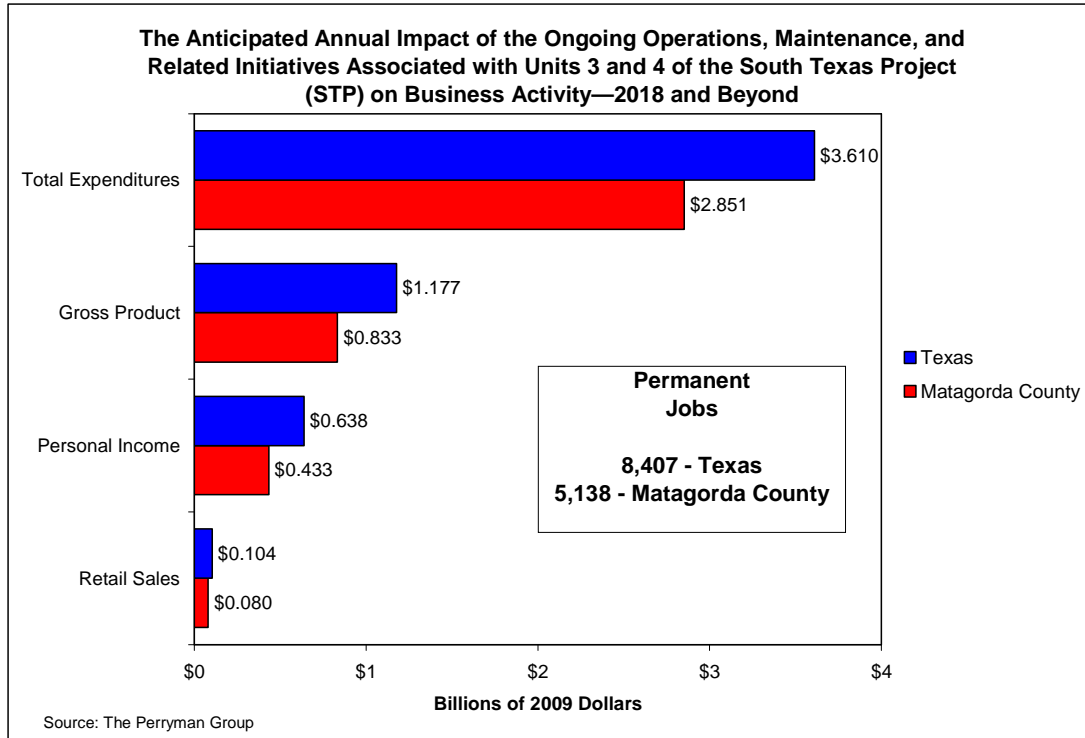
(Monetary Values in Millions of 2009 Dollars)

Year	Total Expenditures	Gross Product	Personal Income	Retail Sales	Person-Years of Employment
2011	\$452.872	\$218.880	\$149.168	\$56.197	2,743
2012	\$1,638.188	\$791.761	\$539.589	\$203.283	9,922
2013	\$2,505.891	\$1,211.135	\$825.394	\$310.957	15,177
2014	\$3,396.538	\$1,641.598	\$1,118.757	\$421.478	20,571
2015	\$3,409.219	\$1,647.727	\$1,122.934	\$423.051	20,648
2016	\$2,505.891	\$1,211.135	\$825.394	\$310.957	15,177
2017	\$1,216.716	\$588.057	\$400.764	\$150.983	7,369
TOTAL	\$15,125.314	\$7,310.293	\$4,981.999	\$1,876.906	91,607

ONGOING OPERATIONS IMPACT

- Once in place, Units 3 and 4 will continue to lead to a sizable economic stimulus through daily operations, maintenance, and related initiatives.
- The Perryman Group estimates that, **at maturity, the ongoing operations of Units 3 and 4 would lead to incremental business activity in the state of \$3.6 billion in annual spending, \$1.2 billion in output (gross product) each year, and 8,407 permanent jobs.** For Matagorda County, gains in business activity total \$2.9 billion in annual spending, \$0.8 billion in output, and 5,138 jobs.
- **Once fully operational, the plant will generate \$38.6 million in annual State revenues and \$179.2 million to local public entities each year (in constant 2009 dollars).**





- The following tables illustrate the timing of the anticipated ramp up of permanent activity as the project moves forward.

The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Matagorda County
(Monetary Values in Millions of 2009 Dollars)

Year	Total Expenditures	Gross Product	Personal Income	Retail Sales	Permanent Jobs
2010	\$115.385	\$33.712	\$17.534	\$3.240	208
2011	\$182.187	\$53.229	\$27.686	\$5.116	328
2012	\$315.790	\$92.263	\$47.989	\$8.867	569
2013	\$786.439	\$229.771	\$119.511	\$22.083	1,417
2014	\$1,396.764	\$408.087	\$212.258	\$39.221	2,517
2015	\$2,067.817	\$604.147	\$314.234	\$58.064	3,727
2016	\$2,714.580	\$793.109	\$412.519	\$76.225	4,892
2017	\$2,744.944	\$801.981	\$417.133	\$77.078	4,947
2018 & Beyond	\$2,851.219	\$833.031	\$433.283	\$80.062	5,138



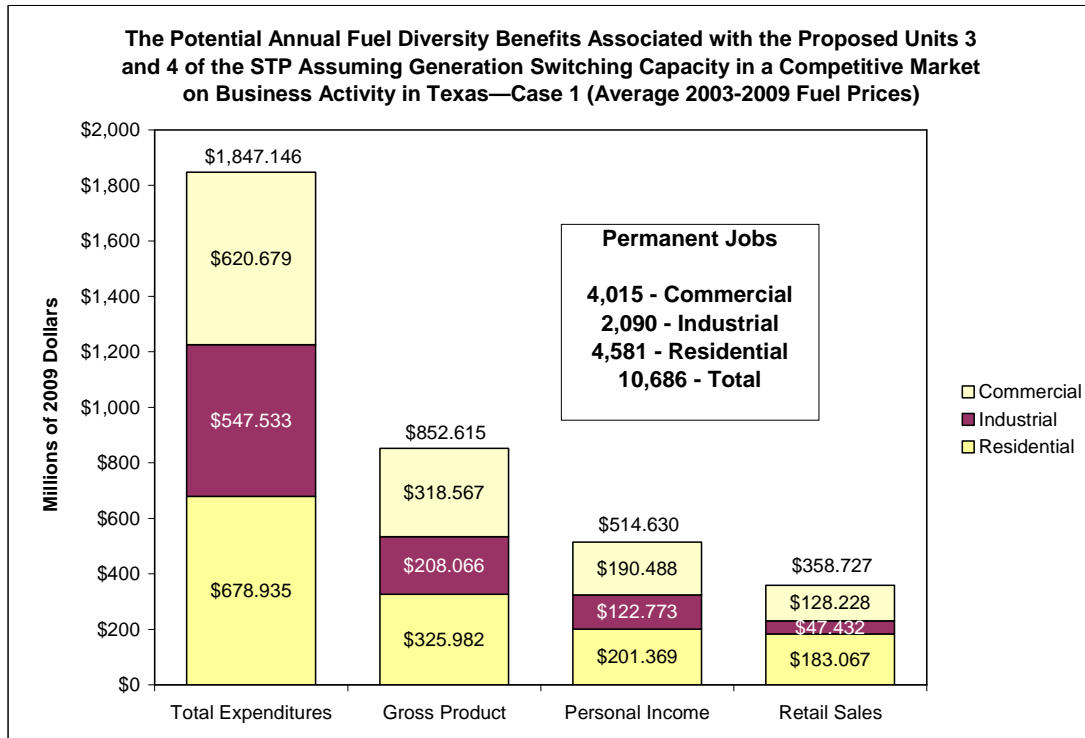
The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas (Monetary Values in Millions of 2009 Dollars)					
Year	Total Expenditures	Gross Product	Personal Income	Retail Sales	Permanent Jobs
2010	\$146.083	\$47.624	\$25.821	\$4.210	340
2011	\$230.657	\$75.195	\$40.770	\$6.647	537
2012	\$399.806	\$130.339	\$70.668	\$11.522	931
2013	\$995.670	\$324.594	\$175.989	\$28.694	2,319
2014	\$1,768.372	\$576.499	\$312.568	\$50.962	4,119
2015	\$2,617.959	\$853.468	\$462.736	\$75.447	6,097
2016	\$3,436.792	\$1,120.412	\$607.469	\$99.044	8,004
2017	\$3,475.235	\$1,132.945	\$614.264	\$100.152	8,094
2018 & Beyond	\$3,609.785	\$1,176.809	\$638.046	\$104.030	8,407

FUEL DIVERSITY IMPACT

- As noted, adding nuclear-fueled generation improves the diversity of the state’s input fuel mix, leading to lower prices through fuel switching in a competitive market in times of high marginal cost for natural gas. These lower prices, in turn, stimulate the economy as customers spend their savings in other ways. In addition, the state is a more attractive site for economic development as a result of greater certainty in power supply and cost effectiveness.
- The Perryman Group formulated two scenarios to illustrate the potential gains from fuel diversity.
- **In Case 1, TPG assumed fuel prices equal to 2003-2009 averages.** This period was selected because it contained several high and low price episodes and is somewhat indicative of what

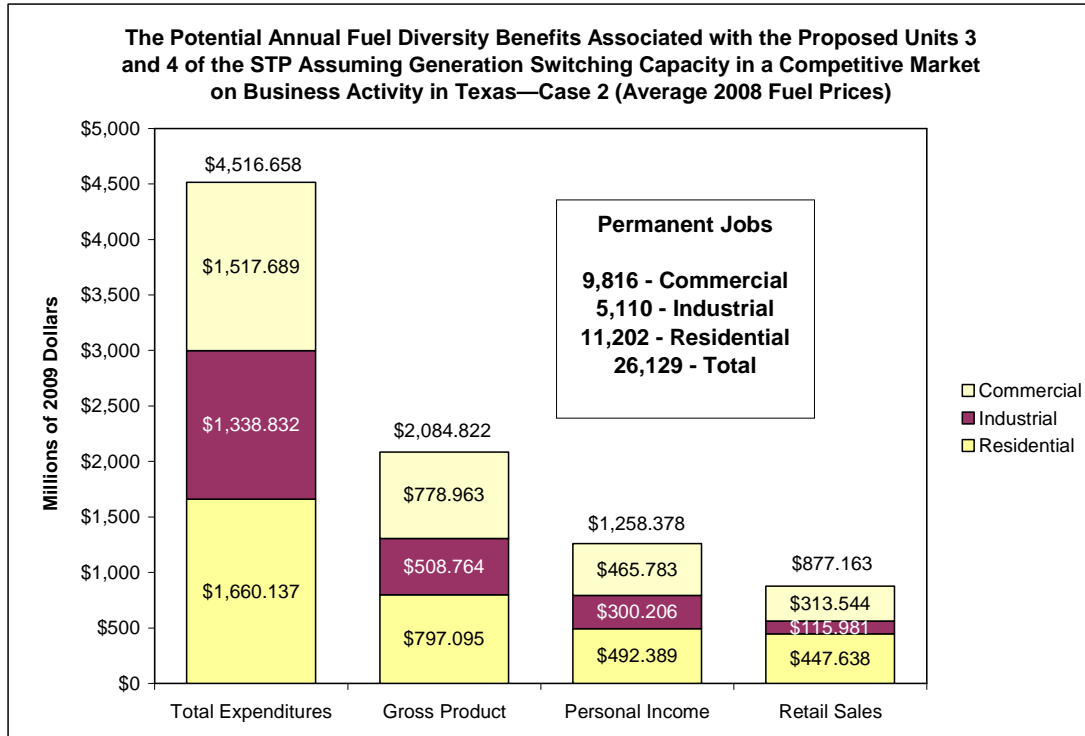


might be expected on an average basis over an extended period. **Under these assumptions, the gains in business activity to the state from improved fuel diversity would include \$1.8 billion in total annual spending, \$852.6 million in annual output (gross product), and 10,686 jobs.**



- Case 2 assumes fuel prices equal to 2008 averages.** This period was characterized by prices generally higher than normal, but less than those observed at peak periods of that year or in the immediate aftermath of Hurricane Katrina in 2005. **In this case, the gains in business activity associated with the improved fuel diversity offered by Units 3 and 4 rise to \$4.5 billion in annual spending, \$2.1 billion in output, and 26,129 jobs.**





- Clearly, a more diverse mix of input fuels has the potential to bring sizable economic benefits to the state.



Conclusion



Conclusion

- Population and business activity projections indicate that Texas is likely to need substantial additional electricity generation capacity in the years to come. Taking into account currently available information, Texas capacity is expected to dip below the desired 12.5% reserve margin by 2014 in the absence of new facilities.
- The current generation capacity is lacking in diversity as it is heavily weighted towards natural-gas fired plants, which have comprised 75% of installed generation capacity in Texas since 1995. A nuclear-powered addition to generation capacity brings notable fuel diversity gains.
- The expansion of STP by an additional two units (Units 3 and 4) would lead to a sizable stimulus to the state and local area economies including billions of dollars during the construction and development phase. Once in place, operating and maintaining Units 3 and 4 would contribute thousands of jobs to the local and state economies.
- In addition, the facility would help insure the adequacy of future power supply needs and add to much needed fuel diversity in the state. Fuel diversity benefits could reach \$4.5 billion in annual spending, \$2.1 billion in output, and 26,129 jobs in a natural gas pricing scenario similar to that which occurred in 2008.
- Expanding the STP helps ensure the adequacy and affordability of the state's electric power supply without adding incremental emissions. The expansion also leads to significant gains in business activity both during construction and once operational. **In short, the development of Units 3 and 4 of the STP represents a notable project which offers substantial benefits in multiple contexts.**



APPENDICES



APPENDIX A: Methodologies



Texas Econometric Model Methodology

Texas Econometric Model

- The models used in developing the baseline forecast for this analysis are formulated in an internally consistent manner and are designed to permit the integration of relevant global, national, state, and local factors into the projection process. They are the result of more than 30 years of continuing research in econometrics, economic theory, statistical methods, and key policy issues and behavioral patterns, as well as intensive, ongoing study of all aspects of the global, US, and Texas economies.
- The remainder of this Technical Explanation describes the forecasting process in a comprehensive manner, focusing on both the modeling and the supplemental analysis. The overall methodology, while certainly not ensuring perfect foresight, permits an enormous body of relevant information to impact the economic outlook in a systematic manner.

Model Logic and Structure

- The expanded version of the Texas Econometric Model, developed and maintained by The Perryman Group, revolves around a core system which projects output, income, and employment by industry in a simultaneous manner. For purposes of illustration, it is useful to initially consider the employment functions. Essentially, employment within the system is a derived demand relationship obtained from a neo-Classical production function. The expressions are augmented to include dynamic temporal adjustments to changes in relative factor input costs, output and (implicitly) productivity, and technological progress over time. Thus, the typical equation includes output, the relative real cost of labor and capital, dynamic lag structures, and a technological adjustment parameter. The functional form is logarithmic, thus preserving the theoretical consistency with the neo-Classical formulation.
- The income segment of the model is divided into wage and non-wage components. The wage equations, like their employment counterparts, are individually estimated at the three-digit North American Industry Classification System (NAICS) level of aggregation. Hence, income by place of work is measured for approximately 70 distinct production categories. The wage equations measure real compensation, with the form of the variable structure differing between “basic” and “non-basic.”
- The basic industries, comprised primarily of the various components of Mining, Agriculture, and Manufacturing, are export-oriented, i.e., they bring external dollars into the area and form the core of the economy. The production of these sectors typically flows into national and international markets; hence, the labor markets are influenced by conditions in areas beyond the borders of the particular region. Thus, real (inflation-adjusted) wages in the basic industry are expressed as a function of the corresponding national rates, as well as measures of local labor market conditions (the reciprocal of the unemployment rate), dynamic adjustment parameters, and ongoing trends.



- The “non-basic” sectors are somewhat different in nature, as the strength of their labor markets is linked to the health of the local export sectors. Consequently, wages in these industries are related to those in the basic segment of the economy. The relationship also includes the local labor market measures contained in the basic wage equations.
- Note that compensation rates in the export or basic sectors provide a key element of the interaction of the regional economies with national and international market phenomena, while the “non-basic” or local industries are strongly impacted by area production levels. Given the wage and employment equations, multiplicative identities in each industry provide expressions for total compensation; these totals may then be aggregated to determine aggregate wage and salary income. Simple linkage equations are then estimated for the calculation of personal income by place of work.
- The non-labor aspects of personal income are modeled at the regional level using straightforward empirical expressions relating to national performance, dynamic responses, and evolving temporal patterns. In some instances (such as dividends, rents, and others) national variables (for example, interest rates) directly enter the forecasting system. These factors have numerous other implicit linkages into the system resulting from their simultaneous interaction with other phenomena in national and international markets which are explicitly included in various expressions.
- The output or gross area product expressions are also developed at the three-digit NAICS level. Regional output for basic industries is linked to national performance in the relevant industries, local and national production in key related sectors, relative area and national labor costs in the industry, dynamic adjustment parameters, and ongoing changes in industrial interrelationships (driven by technological changes in production processes).
- Output in the non-basic sectors is modeled as a function of basic production levels, output in related local support industries (if applicable), dynamic temporal adjustments, and ongoing patterns. The interindustry linkages are obtained from the input-output (impact assessment) system which is part of the overall integrated modeling structure maintained by The Perryman Group. Note that the dominant component of the econometric system involves the simultaneous estimation and projection of output, income, and employment at a disaggregated industrial level.
- Several other components of the model are critical to the multi-regional forecasting process. The demographic module includes (1) a linkage equation between wage and salary (establishment) employment and household employment, (2) a labor force participation rate function, and (3) a complete age-cohort-survival population system with endogenous migration. Given household employment, labor force participation (which is a function of economic conditions and evolving patterns of worker preferences), and the working age population (from the age-cohort-survival model), the unemployment rate and level become identities.
- The population system uses Census information, fertility rates, and life tables to determine the “natural” changes in population by age group. Migration, the most



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- difficult segment of population dynamics to track, is estimated in relation to relative regional and extra-regional economic conditions over time. Because evolving economic conditions determine migration in the system, population changes are allowed to interact simultaneously with overall economic conditions.
- Retail sales is related to income, interest rates, dynamic adjustments, and patterns in consumer behavior on a store group basis. Inflation at the state level relates to national patterns, indicators of relative economic conditions, and ongoing trends.
 - A final significant segment of the forecasting system relates to real estate absorption and activity. The short-term demand for various types of property is determined by underlying economic and demographic factors, with short-term adjustments to reflect the current status of the pertinent building cycle. In some instances, this portion of the forecast requires integration with the Multi-Regional Industry-Occupation System which is maintained by The Perryman Group.
 - The overall Texas Econometric Model contains numerous additional specifications, and individual expressions are modified to reflect alternative lag structures, empirical properties of the estimates, simulation requirements, and similar phenomena. Nonetheless, the above synopsis offers a basic understanding of the overall structure and underlying logic of the system.

Model Simulation and Multi-Regional Structure

- The initial phase of the simulation process is the execution of a standard non-linear algorithm for the state system and that of each of the individual sub-areas. The external assumptions are derived from scenarios developed through national and international models and extensive analysis by The Perryman Group.
- Once the initial simulations are completed, they are merged into a single system with additive constraints and interregional flows. Using information on minimum regional requirements, import needs, export potential, and locations, it becomes possible to balance the various forecasts into a mathematically consistent set of results. This process is, in effect, a disciplining exercise with regard to the individual regional (including metropolitan and rural) systems. By compelling equilibrium across all regions and sectors, the algorithm ensures that the patterns in state activity are reasonable in light of smaller area dynamics and, conversely, that the regional outlooks are within plausible performance levels for the state as a whole.
- The iterative simulation process has the additional property of imposing a global convergence criterion across the entire multi-regional system, with balance being achieved simultaneously on both a sectoral and a geographic basis. This approach is particularly critical on non-linear dynamic systems, as independent simulations of individual systems often yield unstable, non-convergent outcomes.
- It should be noted that the underlying data for the modeling and simulation process are frequently updated and revised by the various public and private entities compiling them. Whenever those modifications to the database occur, they bring corresponding changes to the structural parameter estimates of the various systems and the solutions to the simulation and forecasting system. The multi-



regional version of the Texas Econometric Model is automatically re-estimated and simulated with each such data release, thus providing a constantly evolving and current assessment of state and local business activity.

The Final Forecast

- The process described above is followed to produce the preliminary forecast. Through the comprehensive multi-regional modeling and simulation process, a systematic analysis is generated which accounts for both historical patterns in economic performance and inter-relationships and best available information on the future course of pertinent external factors. While the best available techniques and data are employed in this effort, they are not capable of directly capturing “street sense,” i.e., the contemporaneous and often non-quantifiable information that can materially affect economic outcomes. In order to provide a comprehensive approach to the prediction of business conditions, it is necessary to compile and assimilate extensive material regarding “what’s happenin’” both across the state of Texas and elsewhere.
- This critical aspect of the forecasting methodology includes activities such as (1) daily review of key financial and business publications and electronic information sites; (2) review of major newspapers in the state on a daily basis; (3) dozens of hours of direct telephone interviews with key business and political leaders in all parts of the state; (4) face-to-face discussions with representatives of major industry groups; and (5) frequent site visits to the various regions of the state. The insights arising from this “fact finding” are analyzed and evaluated for their effects on the likely course of the future activity.
- Another vital information resource stems from the firm’s ongoing interaction with key players in the international, domestic, and state economic scenes. Such activities include visiting with corporate groups on a regular basis and being regularly involved in the policy process at all levels. The firm is also an active participant in many major corporate relocations, economic development initiatives, and regulatory proceedings.
- Once organized, this information is carefully assessed and, when appropriate, independently verified. The impact on specific communities and sectors that is distinct from what is captured by the econometric system is then factored into the forecast analysis. For example, the opening or closing of a major facility, particularly in a relatively small area, can cause a sudden change in business performance that will not be accounted for by either a modeling system based on historical relationships or expected (primarily national and international) factors.
- The final step in the forecasting process is the integration of this material into the results in a logical and mathematically consistent manner. In some instances, this task is accomplished through “constant adjustment factors” which augment relevant equations. In other cases, anticipated changes in industrial structure or regulatory parameters are initially simulated within the context of the US Multi-Regional Impact Assessment System to estimate their ultimate effects by sector. Those findings are then factored into the simulation as constant adjustments on a



distributed temporal basis. Once this scenario is formulated, the extended system is again balanced across regions and sectors through an iterative simulation algorithm analogous to that described in the preceding section.

US Multi-Regional Impact Assessment System Methodology



US Multi-Regional Impact Assessment System

- The basic modeling technique employed in this study is known as dynamic input-output analysis. This methodology essentially uses extensive survey data, industry information, and a variety of corroborative source materials to create a matrix describing the various goods and services (known as resources or inputs) required to produce one unit (a dollar's worth) of output for a given sector. Once the base information is compiled, it can be mathematically simulated to generate evaluations of the magnitude of successive rounds of activity involved in the overall production process.
- There are two essential steps in conducting an input-output analysis once the system is operational. The first major endeavor is to accurately define the levels of direct activity to be evaluated. This process was described within the report. The second step is the simulation of the input-output system to measure overall economic effects.
- Once the direct input values were determined (as described within the report), the present study was conducted within the context of the US Multi-Regional Impact Assessment System (USMRIAS) which was developed and is maintained by The Perryman Group. This model has been used in hundreds of diverse applications across the country and has an excellent reputation for accuracy and credibility. In addition, the model has been in operation and continually updated for over two decades. The systems used in the current simulations reflect the unique industrial structures of the economies of Matagorda County and the state of Texas.
- The USMRIAS is somewhat similar in format to the Input-Output Model of the United States and the Regional Input-Output Modeling System, both of which are maintained by the US Department of Commerce. The model developed by TPG, however, incorporates several important enhancements and refinements. Specifically, the expanded system includes (1) comprehensive 500-sector coverage for any county, multi-county, or urban region; (2) calculation of both total expenditures and value-added by industry and region; (3) direct estimation of expenditures for multiple basic input choices (expenditures, output, income, or employment); (4) extensive parameter localization; (5) price adjustments for real and nominal assessments by sectors and areas; (6) measurement of the induced impacts associated with payrolls and consumer spending; (7) embedded modules to estimate multi-sectoral direct spending effects; (8) estimation of retail spending activity by consumers; and (9) comprehensive linkage and integration capabilities with a wide variety of econometric, real estate, occupational, and fiscal impact models. The models used for the present investigation have been thoroughly tested for reasonableness and historical reliability.
- As noted earlier, the impact assessment (input-output) process essentially estimates the amounts of all types of goods and services required to produce one unit (a dollar's worth) of a specific type of output. For purposes of illustrating the nature of the system, it is useful to think of inputs and outputs in dollar (rather than



physical) terms. As an example, the construction of a new building will require specific dollar amounts of lumber, glass, concrete, hand tools, architectural services, interior design services, paint, plumbing, and numerous other elements. Each of these suppliers must, in turn, purchase additional dollar amounts of inputs. This process continues through multiple rounds of production, thus generating subsequent increments to business activity. The initial process of building the facility is known as the *direct effect*. The ensuing transactions in the output chain constitute the *indirect effect*.

- Another pattern that arises in response to any direct economic activity comes from the payroll dollars received by employees at each stage of the production cycle. As workers are compensated, they use some of their income for taxes, savings, and purchases from external markets. A substantial portion, however, is spent locally on food, clothing, healthcare services, utilities, housing, recreation, and other items. Typical purchasing patterns in the relevant areas are obtained from the *ACCRA Cost of Living Index*, a privately compiled inter-regional measure which has been widely used for several decades, and the *Consumer Expenditure Survey* of the US Department of Labor. These initial outlays by area residents generate further secondary activity as local providers acquire inputs to meet this consumer demand. These consumer spending impacts are known as the *induced effect*. The USMRIAS is designed to provide realistic, yet conservative, estimates of these phenomena.
- Sources for information used in this process include the Bureau of the Census, the Bureau of Labor Statistics, the Regional Economic Information System of the US Department of Commerce, and other public and private sources. The pricing data are compiled from the US Department of Labor and the US Department of Commerce. The verification and testing procedures make use of extensive public and private sources. Note that all monetary values, unless otherwise noted, are given in constant (2009) dollars to eliminate the effects of inflation.
- The fiscal effects are generated by a module of the model that is based on the state and local tax structures in Texas as they relate to various components of economic activity.
- The USMRIAS generates estimates of the effect on several measures of business activity. The most comprehensive measure of economic activity used in this study is **Total Expenditures**. This measure incorporates every dollar that changes hands in any transaction. For example, suppose a farmer sells wheat to a miller for \$0.50; the miller then sells flour to a baker for \$0.75; the baker, in turn, sells bread to a customer for \$1.25. The Total Expenditures recorded in this instance would be \$2.50, that is, $\$0.50 + \$0.75 + \$1.25$. This measure is quite broad, but is useful in that (1) it reflects the overall interplay of all industries in the economy, and (2) some key fiscal variables such as sales taxes are linked to aggregate spending.
- A second measure of business activity frequently employed in this analysis is that of **Gross Product**. This indicator represents the regional equivalent of Gross Domestic Product, the most commonly reported statistic regarding national



economic performance. In other words, the Gross Product of, say, Amarillo is the amount of US output that is produced in that area. It is defined as the value of all final goods produced in a given region for a specific period of time. Stated differently, it captures the amount of value-added (gross area product) over intermediate goods and services at each stage of the production process, that is, it eliminates the double counting in the Total Expenditures concept. Using the example above, the Gross Product is \$1.25 (the value of the bread) rather than \$2.50. Alternatively, it may be viewed as the sum of the value-added by the farmer, \$0.50; the miller, \$0.25 ($\$0.75 - \0.50); and the baker, \$0.50 ($\$1.25 - \0.75). The total value-added is, therefore, \$1.25, which is equivalent to the final value of the bread. In many industries, the primary component of value-added is the wage and salary payments to employees.

- The third gauge of economic activity used in this evaluation is **Personal Income**. As the name implies, Personal Income is simply the income received by individuals, whether in the form of wages, salaries, interest, dividends, proprietors' profits, or other sources. It may thus be viewed as the segment of overall impacts which flows directly to the citizenry.
- The fourth measure, **Retail Sales**, represents the component of Total Expenditures which occurs in retail outlets (general merchandise stores, automobile dealers and service stations, building materials stores, food stores, drugstores, restaurants, and so forth). Retail Sales is a commonly used measure of consumer activity.
- The final aggregates used are **Permanent Jobs** and **Person-Years of Employment**. The Person-Years of Employment measure reveals the full-time equivalent jobs generated by an activity. A person-year is simply the equivalent of a person working for a year. As an example, it could be a carpenter employed for five months, a mason for three months, and a painter for four months. In the case of a construction project, these are typically spread over the course of the construction and development phase. It should be noted that, unlike the dollar values described above, Permanent Jobs is a "stock" rather than a "flow." In other words, if an area produces \$1 million in output in 2007 and \$1 million in 2008, it is appropriate to say that \$2 million was achieved in the 2007-2008 period. If the same area has 100 people working in 2007 and 100 in 2008, it only has 100 Permanent Jobs. When a flow of jobs is measured, such as in a construction project or a cumulative assessment over multiple years, it is appropriate to measure employment in Person-Years (a person working for a year). This concept is distinct from Permanent Jobs, which anticipates that the relevant positions will be maintained on a continuing basis.



APPENDIX B: Detailed Sectoral Results



**The Anticipated Impact Associated with the
Construction and Development of Units 3 and 4 of the
South Texas Project**



**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2011
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$5,632,818	\$1,509,768	\$1,028,237	18
Forestry & Fishery Products	\$137,196	\$109,318	\$40,546	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$2,062,481	\$457,496	\$210,994	1
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$119,167,499	\$59,955,232	\$49,406,845	750
Maintenance & Repair Construction	\$5,932,558	\$3,141,420	\$2,588,726	39
Food Products & Tobacco	\$1,932,317	\$502,784	\$256,846	4
Textile Mill Products	\$166,343	\$38,914	\$32,924	1
Apparel	\$95,127	\$52,703	\$26,705	1
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$659,644	\$326,635	\$213,201	4
Chemicals & Petroleum Refining	\$13,938,380	\$2,151,566	\$1,010,284	8
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$12,132,261	\$4,845,611	\$3,128,330	58
Machinery, Except Electrical	\$258,634	\$103,733	\$74,106	1
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$42,195	\$18,372	\$12,005	0
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$4,613,185	\$3,067,531	\$2,028,754	30
Communication	\$2,458,927	\$1,525,938	\$651,473	6
Electric, Gas, Water, Sanitary Services	\$16,073,965	\$3,645,588	\$1,590,838	7
Wholesale Trade	\$4,926,535	\$3,331,750	\$1,921,117	23
Retail Trade	\$31,267,086	\$25,907,880	\$15,492,083	437
Finance	\$2,606,461	\$1,405,807	\$818,606	8
Insurance	\$1,265,335	\$756,006	\$451,971	6
Real Estate	\$17,644,286	\$1,642,445	\$264,634	2
Hotels, Lodging Places, Amusements	\$1,864,336	\$977,653	\$641,373	17
Personal Services	\$6,453,142	\$3,972,536	\$3,090,695	56
Business Services	\$14,418,553	\$9,128,529	\$7,446,542	98
Eating & Drinking Places	\$13,538,621	\$7,922,089	\$4,214,977	205
Health Services	\$6,887,670	\$4,844,212	\$4,095,830	73
Miscellaneous Services	\$10,191,046	\$4,254,675	\$3,688,449	95
Households	\$577,588	\$577,588	\$565,364	42
Total	\$296,944,190	\$146,173,780	\$104,992,455	1,990

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2011
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$6,261,583	\$1,680,727	\$1,144,669	20
Forestry & Fishery Products	\$152,258	\$125,114	\$46,403	1
Coal Mining	\$707,534	\$210,108	\$221,403	2
Crude Petroleum & Natural Gas	\$4,919,409	\$1,089,737	\$502,586	3
Miscellaneous Mining	\$814,264	\$393,294	\$231,198	3
New Construction	\$119,167,499	\$59,955,232	\$49,406,845	750
Maintenance & Repair Construction	\$6,738,464	\$3,554,412	\$2,929,058	44
Food Products & Tobacco	\$15,361,816	\$3,992,718	\$2,039,669	37
Textile Mill Products	\$182,691	\$42,644	\$36,080	1
Apparel	\$3,140,723	\$1,739,730	\$881,549	26
Paper & Allied Products	\$2,097,950	\$928,223	\$419,639	7
Printing & Publishing	\$2,906,269	\$1,442,267	\$941,404	17
Chemicals & Petroleum Refining	\$15,011,201	\$2,314,020	\$1,086,567	9
Rubber & Leather Products	\$2,153,276	\$917,163	\$536,168	12
Lumber Products & Furniture	\$2,692,086	\$742,897	\$529,645	12
Stone, Clay, & Glass Products	\$7,097,946	\$3,452,049	\$1,805,435	32
Primary Metal	\$4,961,245	\$1,366,689	\$1,017,294	17
Fabricated Metal Products	\$17,784,813	\$7,096,614	\$4,581,583	85
Machinery, Except Electrical	\$2,538,884	\$1,018,250	\$727,441	8
Electric & Electronic Equipment	\$3,139,753	\$1,604,167	\$959,024	9
Motor Vehicles & Equipment	\$1,119,650	\$242,556	\$157,578	2
Transp. Equip., Exc. Motor Vehicles	\$562,807	\$244,788	\$159,959	2
Instruments & Related Products	\$596,185	\$274,384	\$208,561	3
Miscellaneous Manufacturing	\$871,202	\$342,595	\$236,295	4
Transportation	\$12,349,096	\$8,177,282	\$5,408,162	81
Communication	\$8,050,780	\$4,980,484	\$2,126,329	20
Electric, Gas, Water, Sanitary Services	\$18,788,995	\$4,255,057	\$1,856,794	8
Wholesale Trade	\$17,575,720	\$11,886,673	\$6,853,962	83
Retail Trade	\$38,607,140	\$31,990,036	\$19,129,020	540
Finance	\$6,083,058	\$3,275,567	\$1,907,372	18
Insurance	\$7,286,145	\$4,353,940	\$2,602,960	34
Real Estate	\$40,727,500	\$5,697,146	\$917,935	9
Hotels, Lodging Places, Amusements	\$3,938,148	\$2,051,041	\$1,345,556	35
Personal Services	\$7,880,092	\$4,860,101	\$3,781,237	69
Business Services	\$27,878,869	\$17,776,200	\$14,500,827	190
Eating & Drinking Places	\$17,589,901	\$10,293,527	\$5,476,704	266
Health Services	\$13,051,114	\$9,139,174	\$7,727,258	137
Miscellaneous Services	\$11,466,132	\$4,753,575	\$4,120,955	106
Households	\$619,595	\$619,595	\$606,484	45
Total	\$452,871,791	\$218,879,777	\$149,167,606	2,743

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2012
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$20,375,781	\$5,461,334	\$3,719,474	64
Forestry & Fishery Products	\$496,283	\$395,439	\$146,670	2
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$7,460,682	\$1,654,915	\$763,235	4
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$431,068,568	\$216,878,060	\$178,721,028	2,713
Maintenance & Repair Construction	\$21,460,041	\$11,363,563	\$9,364,286	142
Food Products & Tobacco	\$6,989,833	\$1,818,737	\$929,099	16
Textile Mill Products	\$601,716	\$140,764	\$119,098	3
Apparel	\$344,106	\$190,646	\$96,600	3
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$2,386,151	\$1,181,549	\$771,220	14
Chemicals & Petroleum Refining	\$50,419,765	\$7,782,930	\$3,654,535	28
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$43,886,430	\$17,528,191	\$11,316,212	208
Machinery, Except Electrical	\$935,564	\$375,236	\$268,068	3
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$152,634	\$66,458	\$43,427	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$16,687,429	\$11,096,282	\$7,338,679	109
Communication	\$8,894,759	\$5,519,826	\$2,356,596	22
Electric, Gas, Water, Sanitary Services	\$58,144,888	\$13,187,306	\$5,754,593	26
Wholesale Trade	\$17,820,921	\$12,052,050	\$6,949,320	83
Retail Trade	\$113,103,474	\$93,717,437	\$56,040,027	1,581
Finance	\$9,428,437	\$5,085,271	\$2,961,170	28
Insurance	\$4,577,138	\$2,734,727	\$1,634,929	21
Real Estate	\$63,825,264	\$5,941,272	\$957,268	9
Hotels, Lodging Places, Amusements	\$6,743,925	\$3,536,496	\$2,320,060	61
Personal Services	\$23,343,167	\$14,369,988	\$11,180,073	203
Business Services	\$52,156,712	\$33,020,933	\$26,936,624	353
Eating & Drinking Places	\$48,973,705	\$28,656,835	\$15,246,975	742
Health Services	\$24,915,000	\$17,523,131	\$14,815,983	263
Miscellaneous Services	\$36,864,412	\$15,390,579	\$13,342,350	343
Households	\$2,089,330	\$2,089,330	\$2,045,109	152
Total	\$1,074,146,116	\$528,759,288	\$379,792,709	7,197

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2012
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$22,650,235	\$6,079,748	\$4,140,648	71
Forestry & Fishery Products	\$550,768	\$452,578	\$167,856	2
Coal Mining	\$2,559,385	\$760,029	\$800,889	5
Crude Petroleum & Natural Gas	\$17,795,142	\$3,941,944	\$1,818,021	9
Miscellaneous Mining	\$2,945,463	\$1,422,674	\$836,319	9
New Construction	\$431,068,568	\$216,878,060	\$178,721,028	2,713
Maintenance & Repair Construction	\$24,375,269	\$12,857,494	\$10,595,379	161
Food Products & Tobacco	\$55,568,810	\$14,442,992	\$7,378,164	133
Textile Mill Products	\$660,854	\$154,256	\$130,515	3
Apparel	\$11,361,043	\$6,293,184	\$3,188,855	93
Paper & Allied Products	\$7,588,983	\$3,357,691	\$1,517,973	25
Printing & Publishing	\$10,512,945	\$5,217,162	\$3,405,372	63
Chemicals & Petroleum Refining	\$54,300,516	\$8,370,582	\$3,930,475	31
Rubber & Leather Products	\$7,789,115	\$3,317,683	\$1,939,500	42
Lumber Products & Furniture	\$9,738,171	\$2,687,307	\$1,915,904	42
Stone, Clay, & Glass Products	\$25,675,635	\$12,487,214	\$6,530,858	114
Primary Metal	\$17,946,476	\$4,943,770	\$3,679,891	60
Fabricated Metal Products	\$64,333,598	\$25,670,817	\$16,573,114	306
Machinery, Except Electrical	\$9,183,990	\$3,683,349	\$2,631,396	30
Electric & Electronic Equipment	\$11,357,533	\$5,802,806	\$3,469,109	31
Motor Vehicles & Equipment	\$4,050,149	\$877,405	\$570,012	9
Transp. Equip., Exc. Motor Vehicles	\$2,035,859	\$885,481	\$578,626	7
Instruments & Related Products	\$2,156,601	\$992,538	\$754,434	10
Miscellaneous Manufacturing	\$3,151,427	\$1,239,281	\$854,756	14
Transportation	\$44,670,796	\$29,579,956	\$19,563,125	292
Communication	\$29,122,355	\$18,016,071	\$7,691,641	73
Electric, Gas, Water, Sanitary Services	\$67,966,059	\$15,391,960	\$6,716,642	31
Wholesale Trade	\$63,577,237	\$42,998,059	\$24,793,065	299
Retail Trade	\$139,654,893	\$115,718,624	\$69,196,040	1,953
Finance	\$22,004,450	\$11,848,818	\$6,899,600	67
Insurance	\$26,356,416	\$15,749,654	\$9,415,773	122
Real Estate	\$147,324,942	\$20,608,475	\$3,320,479	32
Hotels, Lodging Places, Amusements	\$14,245,593	\$7,419,299	\$4,867,325	128
Personal Services	\$28,504,920	\$17,580,604	\$13,677,995	248
Business Services	\$100,847,161	\$64,302,441	\$52,454,323	687
Eating & Drinking Places	\$63,628,535	\$37,235,119	\$19,811,065	964
Health Services	\$47,210,231	\$33,059,437	\$27,952,066	497
Miscellaneous Services	\$41,476,820	\$17,195,265	\$14,906,868	384
Households	\$2,241,283	\$2,241,283	\$2,193,854	163
Total	\$1,638,188,226	\$791,761,112	\$539,588,954	9,922

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2013
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$31,168,261	\$8,354,050	\$5,689,576	98
Forestry & Fishery Products	\$759,150	\$604,892	\$224,356	2
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$11,412,396	\$2,531,478	\$1,167,500	6
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$659,393,497	\$331,752,286	\$273,384,544	4,150
Maintenance & Repair Construction	\$32,826,823	\$17,382,524	\$14,324,285	217
Food Products & Tobacco	\$10,692,152	\$2,782,070	\$1,421,217	24
Textile Mill Products	\$920,429	\$215,322	\$182,180	4
Apparel	\$526,370	\$291,626	\$147,766	4
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$3,650,028	\$1,807,383	\$1,179,714	21
Chemicals & Petroleum Refining	\$77,125,701	\$11,905,330	\$5,590,240	44
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$67,131,842	\$26,812,382	\$17,310,092	318
Machinery, Except Electrical	\$1,431,107	\$573,989	\$410,055	4
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$233,480	\$101,658	\$66,430	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$25,526,293	\$16,973,672	\$11,225,772	167
Communication	\$13,606,064	\$8,443,523	\$3,604,819	34
Electric, Gas, Water, Sanitary Services	\$88,942,604	\$20,172,253	\$8,802,639	40
Wholesale Trade	\$27,260,163	\$18,435,683	\$10,630,180	127
Retail Trade	\$173,011,211	\$143,356,935	\$85,722,857	2,419
Finance	\$14,422,416	\$7,778,797	\$4,529,619	43
Insurance	\$7,001,520	\$4,183,236	\$2,500,906	32
Real Estate	\$97,631,717	\$9,088,197	\$1,464,306	13
Hotels, Lodging Places, Amusements	\$10,315,992	\$5,409,678	\$3,548,930	93
Personal Services	\$35,707,388	\$21,981,367	\$17,101,844	310
Business Services	\$79,782,659	\$50,511,195	\$41,204,198	540
Eating & Drinking Places	\$74,913,703	\$43,835,557	\$23,322,871	1,135
Health Services	\$38,111,777	\$26,804,642	\$22,663,593	403
Miscellaneous Services	\$56,390,456	\$23,542,537	\$20,409,419	525
Households	\$3,195,990	\$3,195,990	\$3,128,346	233
Total	\$1,643,091,183	\$808,828,251	\$580,958,253	11,009

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2013
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$34,647,428	\$9,300,020	\$6,333,833	109
Forestry & Fishery Products	\$842,494	\$692,295	\$256,765	3
Coal Mining	\$3,915,020	\$1,162,595	\$1,225,097	8
Crude Petroleum & Natural Gas	\$27,220,729	\$6,029,881	\$2,780,976	15
Miscellaneous Mining	\$4,505,591	\$2,176,225	\$1,279,293	15
New Construction	\$659,393,497	\$331,752,286	\$273,384,544	4,150
Maintenance & Repair Construction	\$37,286,166	\$19,667,748	\$16,207,454	246
Food Products & Tobacco	\$85,002,050	\$22,093,040	\$11,286,170	203
Textile Mill Products	\$1,010,890	\$235,961	\$199,645	5
Apparel	\$17,378,668	\$9,626,506	\$4,877,902	143
Paper & Allied Products	\$11,608,654	\$5,136,166	\$2,322,000	38
Printing & Publishing	\$16,081,357	\$7,980,546	\$5,209,103	96
Chemicals & Petroleum Refining	\$83,061,977	\$12,804,245	\$6,012,337	48
Rubber & Leather Products	\$11,914,791	\$5,074,967	\$2,966,798	64
Lumber Products & Furniture	\$14,896,207	\$4,110,698	\$2,930,705	65
Stone, Clay, & Glass Products	\$39,275,299	\$19,101,340	\$9,990,071	175
Primary Metal	\$27,452,221	\$7,562,346	\$5,629,026	91
Fabricated Metal Products	\$98,409,300	\$39,267,929	\$25,351,427	468
Machinery, Except Electrical	\$14,048,492	\$5,634,316	\$4,025,172	45
Electric & Electronic Equipment	\$17,373,300	\$8,876,389	\$5,306,598	47
Motor Vehicles & Equipment	\$6,195,399	\$1,342,141	\$871,932	13
Transp. Equip., Exc. Motor Vehicles	\$3,114,196	\$1,354,496	\$885,108	10
Instruments & Related Products	\$3,298,892	\$1,518,258	\$1,154,036	15
Miscellaneous Manufacturing	\$4,820,650	\$1,895,693	\$1,307,497	21
Transportation	\$68,331,663	\$45,247,629	\$29,925,163	446
Communication	\$44,547,649	\$27,558,678	\$11,765,687	112
Electric, Gas, Water, Sanitary Services	\$103,965,775	\$23,544,650	\$10,274,260	47
Wholesale Trade	\$97,252,315	\$65,772,925	\$37,925,255	457
Retail Trade	\$213,626,173	\$177,011,534	\$105,847,241	2,987
Finance	\$33,659,590	\$18,124,805	\$10,554,124	102
Insurance	\$40,316,671	\$24,091,803	\$14,403,044	186
Real Estate	\$225,358,831	\$31,524,206	\$5,079,243	49
Hotels, Lodging Places, Amusements	\$21,791,084	\$11,349,094	\$7,445,410	196
Personal Services	\$43,603,177	\$26,892,557	\$20,922,845	380
Business Services	\$154,263,073	\$98,361,640	\$80,237,907	1,051
Eating & Drinking Places	\$97,330,785	\$56,957,518	\$30,304,431	1,474
Health Services	\$72,216,166	\$50,570,094	\$42,757,492	761
Miscellaneous Services	\$63,445,928	\$26,303,114	\$22,802,617	587
Households	\$3,428,427	\$3,428,427	\$3,355,877	249
Total	\$2,505,890,578	\$1,211,134,763	\$825,394,087	15,177

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2014
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$42,246,136	\$11,323,261	\$7,711,774	133
Forestry & Fishery Products	\$1,028,968	\$819,884	\$304,098	3
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$15,468,609	\$3,431,220	\$1,582,454	8
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$893,756,246	\$449,664,243	\$370,551,339	5,625
Maintenance & Repair Construction	\$44,494,187	\$23,560,650	\$19,415,447	294
Food Products & Tobacco	\$14,492,374	\$3,770,878	\$1,926,348	33
Textile Mill Products	\$1,247,569	\$291,853	\$246,931	6
Apparel	\$713,453	\$395,276	\$200,285	6
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$4,947,327	\$2,449,766	\$1,599,010	28
Chemicals & Petroleum Refining	\$104,537,847	\$16,136,742	\$7,577,132	59
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$90,991,954	\$36,342,084	\$23,462,475	431
Machinery, Except Electrical	\$1,939,753	\$777,997	\$555,798	6
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$316,463	\$137,790	\$90,040	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$34,598,891	\$23,006,483	\$15,215,654	227
Communication	\$18,441,954	\$11,444,534	\$4,886,049	46
Electric, Gas, Water, Sanitary Services	\$120,554,734	\$27,341,909	\$11,931,288	54
Wholesale Trade	\$36,949,016	\$24,988,124	\$14,408,376	173
Retail Trade	\$234,503,147	\$194,309,099	\$116,190,620	3,279
Finance	\$19,548,455	\$10,543,550	\$6,139,544	59
Insurance	\$9,490,012	\$5,670,048	\$3,389,782	43
Real Estate	\$132,332,146	\$12,318,339	\$1,984,752	18
Hotels, Lodging Places, Amusements	\$13,982,520	\$7,332,395	\$4,810,297	127
Personal Services	\$48,398,568	\$29,794,022	\$23,180,210	421
Business Services	\$108,139,147	\$68,463,969	\$55,849,064	731
Eating & Drinking Places	\$101,539,658	\$59,415,664	\$31,612,325	1,539
Health Services	\$51,657,529	\$36,331,594	\$30,718,726	546
Miscellaneous Services	\$76,432,847	\$31,910,066	\$27,663,369	711
Households	\$4,331,914	\$4,331,914	\$4,240,228	316
Total	\$2,227,081,423	\$1,096,303,352	\$787,443,415	14,922

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2014
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$46,961,876	\$12,605,449	\$8,585,014	148
Forestry & Fishery Products	\$1,141,935	\$938,352	\$348,025	4
Coal Mining	\$5,306,503	\$1,575,807	\$1,660,523	11
Crude Petroleum & Natural Gas	\$36,895,567	\$8,173,031	\$3,769,395	20
Miscellaneous Mining	\$6,106,976	\$2,949,702	\$1,733,982	20
New Construction	\$893,756,246	\$449,664,243	\$370,551,339	5,625
Maintenance & Repair Construction	\$50,538,478	\$26,658,092	\$21,967,935	333
Food Products & Tobacco	\$115,213,622	\$29,945,386	\$15,297,519	276
Textile Mill Products	\$1,370,182	\$319,827	\$270,603	6
Apparel	\$23,555,424	\$13,047,976	\$6,611,614	194
Paper & Allied Products	\$15,734,622	\$6,961,670	\$3,147,290	52
Printing & Publishing	\$21,797,020	\$10,817,005	\$7,060,531	131
Chemicals & Petroleum Refining	\$112,584,005	\$17,355,151	\$8,149,252	65
Rubber & Leather Products	\$16,149,566	\$6,878,720	\$4,021,263	87
Lumber Products & Furniture	\$20,190,642	\$5,571,730	\$3,972,341	88
Stone, Clay, & Glass Products	\$53,234,592	\$25,890,371	\$13,540,759	237
Primary Metal	\$37,209,336	\$10,250,168	\$7,629,703	124
Fabricated Metal Products	\$133,386,100	\$53,224,602	\$34,361,874	635
Machinery, Except Electrical	\$19,041,631	\$7,636,874	\$5,455,806	61
Electric & Electronic Equipment	\$23,548,147	\$12,031,250	\$7,192,678	64
Motor Vehicles & Equipment	\$8,397,378	\$1,819,168	\$1,181,836	18
Transp. Equip., Exc. Motor Vehicles	\$4,221,049	\$1,835,913	\$1,199,695	14
Instruments & Related Products	\$4,471,389	\$2,057,880	\$1,564,206	20
Miscellaneous Manufacturing	\$6,534,013	\$2,569,463	\$1,772,209	29
Transportation	\$92,618,218	\$61,329,618	\$40,561,215	605
Communication	\$60,380,850	\$37,353,630	\$15,947,468	152
Electric, Gas, Water, Sanitary Services	\$140,917,466	\$31,912,929	\$13,925,954	64
Wholesale Trade	\$131,817,897	\$89,150,049	\$51,404,714	620
Retail Trade	\$289,553,548	\$239,925,271	\$143,467,646	4,049
Finance	\$45,622,938	\$24,566,754	\$14,305,289	138
Insurance	\$54,646,090	\$32,654,553	\$19,522,198	252
Real Estate	\$305,456,247	\$42,728,593	\$6,884,516	66
Hotels, Lodging Places, Amusements	\$29,536,108	\$15,382,808	\$10,091,671	266
Personal Services	\$59,100,691	\$36,450,755	\$28,359,278	515
Business Services	\$209,091,515	\$133,321,500	\$108,756,199	1,424
Eating & Drinking Places	\$131,924,257	\$77,201,455	\$41,075,283	1,999
Health Services	\$97,883,358	\$68,543,802	\$57,954,432	1,031
Miscellaneous Services	\$85,995,987	\$35,651,811	\$30,907,162	795
Households	\$4,646,965	\$4,646,965	\$4,548,629	338
Total	\$3,396,538,433	\$1,641,598,324	\$1,118,757,045	20,571

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2015
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$42,403,855	\$11,365,534	\$7,740,565	134
Forestry & Fishery Products	\$1,032,809	\$822,945	\$305,233	3
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$15,526,359	\$3,444,030	\$1,588,362	8
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$897,092,936	\$451,342,989	\$371,934,731	5,646
Maintenance & Repair Construction	\$44,660,299	\$23,648,610	\$19,487,931	295
Food Products & Tobacco	\$14,546,479	\$3,784,956	\$1,933,540	33
Textile Mill Products	\$1,252,226	\$292,942	\$247,853	6
Apparel	\$716,117	\$396,752	\$201,033	6
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$4,965,797	\$2,458,912	\$1,604,980	28
Chemicals & Petroleum Refining	\$104,928,122	\$16,196,986	\$7,605,420	59
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$91,331,657	\$36,477,761	\$23,550,068	433
Machinery, Except Electrical	\$1,946,995	\$780,901	\$557,873	6
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$317,645	\$138,304	\$90,377	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$34,728,060	\$23,092,374	\$15,272,459	228
Communication	\$18,510,804	\$11,487,260	\$4,904,291	46
Electric, Gas, Water, Sanitary Services	\$121,004,805	\$27,443,985	\$11,975,831	54
Wholesale Trade	\$37,086,959	\$25,081,413	\$14,462,168	173
Retail Trade	\$235,378,626	\$195,034,520	\$116,624,398	3,291
Finance	\$19,621,436	\$10,582,913	\$6,162,465	59
Insurance	\$9,525,441	\$5,691,216	\$3,402,437	43
Real Estate	\$132,826,186	\$12,364,328	\$1,992,161	18
Hotels, Lodging Places, Amusements	\$14,034,721	\$7,359,770	\$4,828,255	127
Personal Services	\$48,579,256	\$29,905,253	\$23,266,749	422
Business Services	\$108,542,866	\$68,719,568	\$56,057,567	734
Eating & Drinking Places	\$101,918,739	\$59,637,483	\$31,730,344	1,545
Health Services	\$51,850,383	\$36,467,232	\$30,833,409	548
Miscellaneous Services	\$76,718,197	\$32,029,197	\$27,766,646	714
Households	\$4,348,086	\$4,348,086	\$4,256,058	317
Total	\$2,235,395,860	\$1,100,396,218	\$790,383,204	14,978

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2015
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$47,137,200	\$12,652,510	\$8,617,065	148
Forestry & Fishery Products	\$1,146,198	\$941,855	\$349,324	4
Coal Mining	\$5,326,314	\$1,581,690	\$1,666,722	11
Crude Petroleum & Natural Gas	\$37,033,310	\$8,203,544	\$3,783,468	20
Miscellaneous Mining	\$6,129,776	\$2,960,714	\$1,740,456	20
New Construction	\$897,092,936	\$451,342,989	\$371,934,731	5,646
Maintenance & Repair Construction	\$50,727,155	\$26,757,616	\$22,049,949	334
Food Products & Tobacco	\$115,643,753	\$30,057,182	\$15,354,630	277
Textile Mill Products	\$1,375,297	\$321,021	\$271,614	6
Apparel	\$23,643,364	\$13,096,688	\$6,636,297	194
Paper & Allied Products	\$15,793,364	\$6,987,661	\$3,159,040	52
Printing & Publishing	\$21,878,396	\$10,857,389	\$7,086,890	131
Chemicals & Petroleum Refining	\$113,004,318	\$17,419,944	\$8,179,676	65
Rubber & Leather Products	\$16,209,858	\$6,904,401	\$4,036,275	87
Lumber Products & Furniture	\$20,266,021	\$5,592,531	\$3,987,171	88
Stone, Clay, & Glass Products	\$53,433,334	\$25,987,028	\$13,591,311	238
Primary Metal	\$37,348,251	\$10,288,436	\$7,658,188	124
Fabricated Metal Products	\$133,884,075	\$53,423,308	\$34,490,159	637
Machinery, Except Electrical	\$19,112,720	\$7,665,385	\$5,476,174	62
Electric & Electronic Equipment	\$23,636,060	\$12,076,167	\$7,219,531	64
Motor Vehicles & Equipment	\$8,428,729	\$1,825,959	\$1,186,248	18
Transp. Equip., Exc. Motor Vehicles	\$4,236,807	\$1,842,767	\$1,204,174	14
Instruments & Related Products	\$4,488,083	\$2,065,563	\$1,570,045	20
Miscellaneous Manufacturing	\$6,558,407	\$2,579,056	\$1,778,825	29
Transportation	\$92,963,993	\$61,558,582	\$40,712,644	607
Communication	\$60,606,272	\$37,493,084	\$16,007,005	152
Electric, Gas, Water, Sanitary Services	\$141,443,557	\$32,032,070	\$13,977,944	64
Wholesale Trade	\$132,310,018	\$89,482,876	\$51,596,624	622
Retail Trade	\$290,634,548	\$240,820,992	\$144,003,259	4,064
Finance	\$45,793,264	\$24,658,470	\$14,358,695	139
Insurance	\$54,850,102	\$32,776,463	\$19,595,081	253
Real Estate	\$306,596,617	\$42,888,113	\$6,910,218	66
Hotels, Lodging Places, Amusements	\$29,646,376	\$15,440,237	\$10,129,346	266
Personal Services	\$59,321,334	\$36,586,838	\$28,465,152	517
Business Services	\$209,872,124	\$133,819,234	\$109,162,222	1,430
Eating & Drinking Places	\$132,416,774	\$77,489,673	\$41,228,631	2,006
Health Services	\$98,248,789	\$68,799,699	\$58,170,795	1,035
Miscellaneous Services	\$86,317,039	\$35,784,911	\$31,022,549	798
Households	\$4,664,313	\$4,664,313	\$4,565,610	339
Total	\$3,409,218,844	\$1,647,726,958	\$1,122,933,738	20,648

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2016
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$31,168,261	\$8,354,050	\$5,689,576	98
Forestry & Fishery Products	\$759,150	\$604,892	\$224,356	2
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$11,412,396	\$2,531,478	\$1,167,500	6
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$659,393,497	\$331,752,286	\$273,384,544	4,150
Maintenance & Repair Construction	\$32,826,823	\$17,382,524	\$14,324,285	217
Food Products & Tobacco	\$10,692,152	\$2,782,070	\$1,421,217	24
Textile Mill Products	\$920,429	\$215,322	\$182,180	4
Apparel	\$526,370	\$291,626	\$147,766	4
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$3,650,028	\$1,807,383	\$1,179,714	21
Chemicals & Petroleum Refining	\$77,125,701	\$11,905,330	\$5,590,240	44
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$67,131,842	\$26,812,382	\$17,310,092	318
Machinery, Except Electrical	\$1,431,107	\$573,989	\$410,055	4
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$233,480	\$101,658	\$66,430	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$25,526,293	\$16,973,672	\$11,225,772	167
Communication	\$13,606,064	\$8,443,523	\$3,604,819	34
Electric, Gas, Water, Sanitary Services	\$88,942,604	\$20,172,253	\$8,802,639	40
Wholesale Trade	\$27,260,163	\$18,435,683	\$10,630,180	127
Retail Trade	\$173,011,211	\$143,356,935	\$85,722,857	2,419
Finance	\$14,422,416	\$7,778,797	\$4,529,619	43
Insurance	\$7,001,520	\$4,183,236	\$2,500,906	32
Real Estate	\$97,631,717	\$9,088,197	\$1,464,306	13
Hotels, Lodging Places, Amusements	\$10,315,992	\$5,409,678	\$3,548,930	93
Personal Services	\$35,707,388	\$21,981,367	\$17,101,844	310
Business Services	\$79,782,659	\$50,511,195	\$41,204,198	540
Eating & Drinking Places	\$74,913,703	\$43,835,557	\$23,322,871	1,135
Health Services	\$38,111,777	\$26,804,642	\$22,663,593	403
Miscellaneous Services	\$56,390,456	\$23,542,537	\$20,409,419	525
Households	\$3,195,990	\$3,195,990	\$3,128,346	233
Total	\$1,643,091,183	\$808,828,251	\$580,958,253	11,009

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2016
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$34,647,428	\$9,300,020	\$6,333,833	109
Forestry & Fishery Products	\$842,494	\$692,295	\$256,765	3
Coal Mining	\$3,915,020	\$1,162,595	\$1,225,097	8
Crude Petroleum & Natural Gas	\$27,220,729	\$6,029,881	\$2,780,976	15
Miscellaneous Mining	\$4,505,591	\$2,176,225	\$1,279,293	15
New Construction	\$659,393,497	\$331,752,286	\$273,384,544	4,150
Maintenance & Repair Construction	\$37,286,166	\$19,667,748	\$16,207,454	246
Food Products & Tobacco	\$85,002,050	\$22,093,040	\$11,286,170	203
Textile Mill Products	\$1,010,890	\$235,961	\$199,645	5
Apparel	\$17,378,668	\$9,626,506	\$4,877,902	143
Paper & Allied Products	\$11,608,654	\$5,136,166	\$2,322,000	38
Printing & Publishing	\$16,081,357	\$7,980,546	\$5,209,103	96
Chemicals & Petroleum Refining	\$83,061,977	\$12,804,245	\$6,012,337	48
Rubber & Leather Products	\$11,914,791	\$5,074,967	\$2,966,798	64
Lumber Products & Furniture	\$14,896,207	\$4,110,698	\$2,930,705	65
Stone, Clay, & Glass Products	\$39,275,299	\$19,101,340	\$9,990,071	175
Primary Metal	\$27,452,221	\$7,562,346	\$5,629,026	91
Fabricated Metal Products	\$98,409,300	\$39,267,929	\$25,351,427	468
Machinery, Except Electrical	\$14,048,492	\$5,634,316	\$4,025,172	45
Electric & Electronic Equipment	\$17,373,300	\$8,876,389	\$5,306,598	47
Motor Vehicles & Equipment	\$6,195,399	\$1,342,141	\$871,932	13
Transp. Equip., Exc. Motor Vehicles	\$3,114,196	\$1,354,496	\$885,108	10
Instruments & Related Products	\$3,298,892	\$1,518,258	\$1,154,036	15
Miscellaneous Manufacturing	\$4,820,650	\$1,895,693	\$1,307,497	21
Transportation	\$68,331,663	\$45,247,629	\$29,925,163	446
Communication	\$44,547,649	\$27,558,678	\$11,765,687	112
Electric, Gas, Water, Sanitary Services	\$103,965,775	\$23,544,650	\$10,274,260	47
Wholesale Trade	\$97,252,315	\$65,772,925	\$37,925,255	457
Retail Trade	\$213,626,173	\$177,011,534	\$105,847,241	2,987
Finance	\$33,659,590	\$18,124,805	\$10,554,124	102
Insurance	\$40,316,671	\$24,091,803	\$14,403,044	186
Real Estate	\$225,358,831	\$31,524,206	\$5,079,243	49
Hotels, Lodging Places, Amusements	\$21,791,084	\$11,349,094	\$7,445,410	196
Personal Services	\$43,603,177	\$26,892,557	\$20,922,845	380
Business Services	\$154,263,073	\$98,361,640	\$80,237,907	1,051
Eating & Drinking Places	\$97,330,785	\$56,957,518	\$30,304,431	1,474
Health Services	\$72,216,166	\$50,570,094	\$42,757,492	761
Miscellaneous Services	\$63,445,928	\$26,303,114	\$22,802,617	587
Households	\$3,428,427	\$3,428,427	\$3,355,877	249
Total	\$2,505,890,578	\$1,211,134,763	\$825,394,087	15,177

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—2017
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person-Years)
Agricultural Products & Services	\$15,133,505	\$4,056,244	\$2,762,529	48
Forestry & Fishery Products	\$368,599	\$293,701	\$108,935	1
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$5,541,200	\$1,229,139	\$566,870	3
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$320,163,348	\$161,079,724	\$132,739,724	2,015
Maintenance & Repair Construction	\$15,938,807	\$8,439,948	\$6,955,045	105
Food Products & Tobacco	\$5,191,491	\$1,350,812	\$690,061	12
Textile Mill Products	\$446,907	\$104,548	\$88,456	2
Apparel	\$255,575	\$141,597	\$71,747	2
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$1,772,242	\$877,561	\$572,801	10
Chemicals & Petroleum Refining	\$37,447,780	\$5,780,540	\$2,714,297	21
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$32,595,340	\$13,018,542	\$8,404,780	155
Machinery, Except Electrical	\$694,863	\$278,696	\$199,099	2
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$113,364	\$49,359	\$32,254	0
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$12,394,092	\$8,241,433	\$5,450,586	81
Communication	\$6,606,318	\$4,099,686	\$1,750,292	17
Electric, Gas, Water, Sanitary Services	\$43,185,385	\$9,794,479	\$4,274,052	19
Wholesale Trade	\$13,235,958	\$8,951,301	\$5,161,401	62
Retail Trade	\$84,004,239	\$69,605,837	\$41,622,062	1,175
Finance	\$7,002,691	\$3,776,934	\$2,199,321	21
Insurance	\$3,399,533	\$2,031,137	\$1,214,295	16
Real Estate	\$47,404,315	\$4,412,703	\$710,982	6
Hotels, Lodging Places, Amusements	\$5,008,849	\$2,626,627	\$1,723,155	45
Personal Services	\$17,337,443	\$10,672,881	\$8,303,666	151
Business Services	\$38,737,845	\$24,525,315	\$20,006,376	262
Eating & Drinking Places	\$36,373,762	\$21,284,011	\$11,324,237	551
Health Services	\$18,504,875	\$13,014,784	\$11,004,130	196
Miscellaneous Services	\$27,379,944	\$11,430,895	\$9,909,634	255
Households	\$1,551,788	\$1,551,788	\$1,518,944	113
Total	\$797,790,056	\$392,720,223	\$282,079,730	5,345

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—2017
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$16,822,788	\$4,515,552	\$3,075,343	53
Forestry & Fishery Products	\$409,067	\$336,139	\$124,670	1
Coal Mining	\$1,900,907	\$564,489	\$594,836	4
Crude Petroleum & Natural Gas	\$13,216,812	\$2,927,761	\$1,350,281	7
Miscellaneous Mining	\$2,187,655	\$1,056,649	\$621,151	7
New Construction	\$320,163,348	\$161,079,724	\$132,739,724	2,015
Maintenance & Repair Construction	\$18,104,006	\$9,549,521	\$7,869,403	119
Food Products & Tobacco	\$41,272,080	\$10,727,103	\$5,479,911	99
Textile Mill Products	\$490,830	\$114,569	\$96,936	2
Apparel	\$8,438,076	\$4,674,075	\$2,368,427	69
Paper & Allied Products	\$5,636,491	\$2,493,825	\$1,127,429	19
Printing & Publishing	\$7,808,177	\$3,874,892	\$2,529,239	47
Chemicals & Petroleum Refining	\$40,330,092	\$6,217,001	\$2,919,243	23
Rubber & Leather Products	\$5,785,134	\$2,464,111	\$1,440,506	31
Lumber Products & Furniture	\$7,232,737	\$1,995,917	\$1,422,981	31
Stone, Clay, & Glass Products	\$19,069,814	\$9,274,506	\$4,850,601	85
Primary Metal	\$13,329,211	\$3,671,838	\$2,733,129	44
Fabricated Metal Products	\$47,781,865	\$19,066,235	\$12,309,187	227
Machinery, Except Electrical	\$6,821,135	\$2,735,698	\$1,954,391	22
Electric & Electronic Equipment	\$8,435,470	\$4,309,861	\$2,576,577	23
Motor Vehicles & Equipment	\$3,008,128	\$651,666	\$423,360	6
Transp. Equip., Exc. Motor Vehicles	\$1,512,073	\$657,665	\$429,757	5
Instruments & Related Products	\$1,601,751	\$737,178	\$560,333	7
Miscellaneous Manufacturing	\$2,340,629	\$920,439	\$634,845	10
Transportation	\$33,177,904	\$21,969,632	\$14,529,929	217
Communication	\$21,629,762	\$13,380,900	\$5,712,737	54
Electric, Gas, Water, Sanitary Services	\$50,479,768	\$11,431,920	\$4,988,586	23
Wholesale Trade	\$47,220,100	\$31,935,529	\$18,414,311	222
Retail Trade	\$103,724,515	\$85,946,564	\$51,393,299	1,450
Finance	\$16,343,150	\$8,800,357	\$5,124,472	50
Insurance	\$19,575,444	\$11,697,586	\$6,993,285	90
Real Estate	\$109,421,215	\$15,306,331	\$2,466,187	24
Hotels, Lodging Places, Amusements	\$10,580,490	\$5,510,464	\$3,615,061	95
Personal Services	\$21,171,181	\$13,057,470	\$10,158,923	184
Business Services	\$74,901,227	\$47,758,724	\$38,958,887	510
Eating & Drinking Places	\$47,258,200	\$27,655,277	\$14,714,079	716
Health Services	\$35,063,994	\$24,553,913	\$20,760,565	369
Miscellaneous Services	\$30,805,674	\$12,771,271	\$11,071,632	285
Households	\$1,664,646	\$1,664,646	\$1,629,420	121
Total	\$1,216,715,545	\$588,057,000	\$400,763,635	7,369

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Matagorda County—Total
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person- Years)
Agricultural Products & Services	\$188,128,617	\$50,424,241	\$34,341,730	594
Forestry & Fishery Products	\$4,582,154	\$3,651,070	\$1,354,194	15
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$68,884,124	\$15,279,755	\$7,046,915	35
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$3,980,035,590	\$2,002,424,820	\$1,650,122,755	25,049
Maintenance & Repair Construction	\$198,139,538	\$104,919,239	\$86,460,006	1,310
Food Products & Tobacco	\$64,536,798	\$16,792,309	\$8,578,329	148
Textile Mill Products	\$5,555,618	\$1,299,665	\$1,099,622	25
Apparel	\$3,177,119	\$1,760,226	\$891,901	25
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$22,031,217	\$10,909,190	\$7,120,641	125
Chemicals & Petroleum Refining	\$465,523,295	\$71,859,423	\$33,742,148	263
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$405,201,325	\$161,836,951	\$104,482,049	1,921
Machinery, Except Electrical	\$8,638,021	\$3,464,540	\$2,475,055	25
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$1,409,260	\$613,600	\$400,964	5
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$154,074,243	\$102,451,447	\$67,757,676	1,009
Communication	\$82,124,888	\$50,964,290	\$21,758,338	205
Electric, Gas, Water, Sanitary Services	\$536,848,984	\$121,757,773	\$53,131,880	240
Wholesale Trade	\$164,539,714	\$111,276,004	\$64,162,741	769
Retail Trade	\$1,044,278,993	\$865,288,643	\$517,414,905	14,601
Finance	\$87,052,311	\$46,952,069	\$27,340,345	261
Insurance	\$42,260,498	\$25,249,607	\$15,095,225	193
Real Estate	\$589,295,631	\$54,855,481	\$8,838,408	80
Hotels, Lodging Places, Amusements	\$62,266,335	\$32,652,297	\$21,421,000	564
Personal Services	\$215,526,352	\$132,677,414	\$103,225,080	1,874
Business Services	\$481,560,441	\$304,880,703	\$248,704,568	3,256
Eating & Drinking Places	\$452,171,893	\$264,587,196	\$140,774,599	6,853
Health Services	\$230,039,011	\$161,790,238	\$136,795,265	2,432
Miscellaneous Services	\$340,367,359	\$142,100,486	\$123,189,285	3,166
Households	\$19,290,685	\$19,290,685	\$18,882,393	1,405
Total	\$9,917,540,012	\$4,882,009,361	\$3,506,608,020	66,450

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Impact Associated with the Construction and Development
of Units 3 and 4 of the South Texas Project (STP) on
Business Activity in Texas—Total
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Person-Years)
Agricultural Products & Services	\$209,128,539	\$56,134,026	\$38,230,404	659
Forestry & Fishery Products	\$5,085,215	\$4,178,627	\$1,549,810	18
Coal Mining	\$23,630,684	\$7,017,312	\$7,394,568	50
Crude Petroleum & Natural Gas	\$164,301,697	\$36,395,778	\$16,785,704	88
Miscellaneous Mining	\$27,195,316	\$13,135,483	\$7,721,692	88
New Construction	\$3,980,035,590	\$2,002,424,820	\$1,650,122,755	25,049
Maintenance & Repair Construction	\$225,055,703	\$118,712,631	\$97,826,633	1,483
Food Products & Tobacco	\$513,064,181	\$133,351,462	\$68,122,233	1,227
Textile Mill Products	\$6,101,633	\$1,424,240	\$1,205,039	28
Apparel	\$104,895,968	\$58,104,665	\$29,442,546	862
Paper & Allied Products	\$70,068,717	\$31,001,401	\$14,015,371	230
Printing & Publishing	\$97,065,522	\$48,169,808	\$31,441,642	581
Chemicals & Petroleum Refining	\$501,354,086	\$77,285,189	\$36,289,889	291
Rubber & Leather Products	\$71,916,531	\$30,632,012	\$17,907,308	386
Lumber Products & Furniture	\$89,912,071	\$24,811,779	\$17,689,451	391
Stone, Clay, & Glass Products	\$237,061,917	\$115,293,849	\$60,299,105	1,055
Primary Metal	\$165,698,961	\$45,645,595	\$33,976,256	551
Fabricated Metal Products	\$593,989,051	\$237,017,434	\$153,018,772	2,826
Machinery, Except Electrical	\$84,795,346	\$34,008,187	\$24,295,552	273
Electric & Electronic Equipment	\$104,863,563	\$53,577,029	\$32,030,114	286
Motor Vehicles & Equipment	\$37,394,832	\$8,101,036	\$5,262,898	80
Transp. Equip., Exc. Motor Vehicles	\$18,796,987	\$8,175,605	\$5,342,427	63
Instruments & Related Products	\$19,911,792	\$9,164,060	\$6,965,652	90
Miscellaneous Manufacturing	\$29,096,978	\$11,442,220	\$7,891,923	128
Transportation	\$412,443,332	\$273,110,329	\$180,625,401	2,693
Communication	\$268,885,316	\$166,341,526	\$71,016,554	676
Electric, Gas, Water, Sanitary Services	\$627,527,395	\$142,113,235	\$62,014,440	283
Wholesale Trade	\$587,005,602	\$396,999,037	\$228,913,186	2,760
Retail Trade	\$1,289,426,991	\$1,068,424,555	\$638,883,747	18,030
Finance	\$203,166,042	\$109,399,578	\$63,703,676	616
Insurance	\$243,347,539	\$145,415,802	\$86,935,384	1,122
Real Estate	\$1,360,244,181	\$190,277,071	\$30,657,820	293
Hotels, Lodging Places, Amusements	\$131,528,882	\$68,502,036	\$44,939,779	1,182
Personal Services	\$263,184,573	\$162,320,882	\$126,288,275	2,292
Business Services	\$931,117,043	\$593,701,378	\$484,308,271	6,342
Eating & Drinking Places	\$587,479,236	\$343,790,087	\$182,914,625	8,900
Health Services	\$435,889,818	\$305,236,213	\$258,080,100	4,591
Miscellaneous Services	\$382,953,508	\$158,763,061	\$137,634,400	3,542
Households	\$20,693,656	\$20,693,656	\$20,255,751	1,503
Total	\$15,125,313,994	\$7,310,292,696	\$4,981,999,152	91,607

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Annual Impact of the Ongoing Operations,
Maintenance, and Related Initiatives Associated with
Units 3 and 4 of the South Texas Project**



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Matagorda County—2010
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$1,545,644	\$567,833	\$386,726	7
Forestry & Fishery Products	\$29,862	\$28,293	\$10,493	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$329,485	\$72,316	\$33,352	0
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$703,849	\$416,728	\$343,410	5
Food Products & Tobacco	\$439,427	\$113,602	\$58,033	1
Textile Mill Products	\$37,935	\$10,499	\$8,883	0
Apparel	\$21,728	\$12,064	\$6,113	0
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$178,786	\$88,390	\$57,694	1
Chemicals & Petroleum Refining	\$1,730,779	\$177,569	\$83,379	1
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$616,513	\$238,516	\$153,987	3
Machinery, Except Electrical	\$67,832	\$27,595	\$19,714	0
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$15,878	\$6,803	\$4,445	0
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$2,070,807	\$1,318,072	\$871,726	13
Communication	\$593,005	\$366,522	\$156,480	1
Electric, Gas, Water, Sanitary Services	\$90,039,335	\$21,810,863	\$9,517,679	43
Wholesale Trade	\$623,709	\$421,739	\$243,178	3
Retail Trade	\$2,207,042	\$1,826,792	\$1,092,363	31
Finance	\$816,158	\$473,291	\$275,599	3
Insurance	\$302,662	\$180,891	\$108,144	1
Real Estate	\$4,090,680	\$448,723	\$72,299	1
Hotels, Lodging Places, Amusements	\$407,090	\$212,442	\$139,369	4
Personal Services	\$1,490,686	\$911,467	\$709,136	13
Business Services	\$1,913,935	\$1,138,246	\$928,517	12
Eating & Drinking Places	\$1,032,963	\$604,283	\$321,511	16
Health Services	\$1,521,127	\$1,068,729	\$903,620	16
Miscellaneous Services	\$2,425,416	\$1,036,825	\$898,841	23
Households	\$132,480	\$132,480	\$129,677	10
Total	\$115,384,812	\$33,711,573	\$17,534,369	208

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas—2010
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$1,711,475	\$612,922	\$417,434	7
Forestry & Fishery Products	\$33,834	\$32,459	\$12,038	0
Coal Mining	\$104,821	\$30,183	\$31,806	0
Crude Petroleum & Natural Gas	\$730,460	\$160,308	\$73,934	0
Miscellaneous Mining	\$59,883	\$28,543	\$16,779	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$730,418	\$430,344	\$354,630	5
Food Products & Tobacco	\$3,546,966	\$916,467	\$468,175	8
Textile Mill Products	\$42,246	\$11,482	\$9,715	0
Apparel	\$725,745	\$402,811	\$204,110	6
Paper & Allied Products	\$505,700	\$217,610	\$98,380	2
Printing & Publishing	\$785,629	\$389,305	\$254,108	5
Chemicals & Petroleum Refining	\$1,771,201	\$183,690	\$86,253	1
Rubber & Leather Products	\$438,737	\$190,939	\$111,622	2
Lumber Products & Furniture	\$260,633	\$86,614	\$61,751	1
Stone, Clay, & Glass Products	\$318,364	\$161,178	\$84,297	1
Primary Metal	\$442,557	\$126,744	\$94,342	2
Fabricated Metal Products	\$938,714	\$361,966	\$233,686	4
Machinery, Except Electrical	\$666,030	\$270,780	\$193,446	2
Electric & Electronic Equipment	\$455,078	\$246,326	\$147,262	1
Motor Vehicles & Equipment	\$252,184	\$49,592	\$32,218	0
Transp. Equip., Exc. Motor Vehicles	\$207,822	\$89,035	\$58,181	1
Instruments & Related Products	\$134,066	\$58,045	\$44,120	1
Miscellaneous Manufacturing	\$207,523	\$77,188	\$53,237	1
Transportation	\$5,554,392	\$3,531,113	\$2,335,352	35
Communication	\$2,143,770	\$1,318,368	\$562,854	5
Electric, Gas, Water, Sanitary Services	\$90,755,403	\$21,971,605	\$9,587,822	44
Wholesale Trade	\$2,230,790	\$1,508,486	\$869,807	10
Retail Trade	\$2,830,264	\$2,343,070	\$1,401,081	40
Finance	\$1,881,181	\$1,084,377	\$631,436	6
Insurance	\$1,757,693	\$1,050,654	\$628,122	8
Real Estate	\$10,037,379	\$1,580,318	\$254,623	2
Hotels, Lodging Places, Amusements	\$887,506	\$459,530	\$301,467	8
Personal Services	\$1,867,032	\$1,145,555	\$891,260	16
Business Services	\$3,803,292	\$2,292,367	\$1,869,984	24
Eating & Drinking Places	\$1,379,678	\$807,218	\$429,483	21
Health Services	\$2,979,167	\$2,084,636	\$1,762,579	31
Miscellaneous Services	\$2,761,709	\$1,168,406	\$1,012,911	26
Households	\$143,559	\$143,559	\$140,521	10
Total	\$146,082,901	\$47,623,792	\$25,820,828	340

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Matagorda County—2011
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$2,440,490	\$896,579	\$610,620	11
Forestry & Fishery Products	\$47,150	\$44,673	\$16,569	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$520,240	\$114,184	\$52,661	0
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$1,111,340	\$657,992	\$542,227	8
Food Products & Tobacco	\$693,832	\$179,372	\$91,632	2
Textile Mill Products	\$59,897	\$16,577	\$14,026	0
Apparel	\$34,307	\$19,048	\$9,652	0
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$282,293	\$139,564	\$91,097	2
Chemicals & Petroleum Refining	\$2,732,810	\$280,372	\$131,651	1
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$973,441	\$376,605	\$243,137	4
Machinery, Except Electrical	\$107,103	\$43,571	\$31,127	0
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$25,071	\$10,741	\$7,019	0
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$3,269,696	\$2,081,166	\$1,376,409	20
Communication	\$936,324	\$578,719	\$247,074	2
Electric, Gas, Water, Sanitary Services	\$142,167,371	\$34,438,204	\$15,027,914	69
Wholesale Trade	\$984,804	\$665,903	\$383,966	5
Retail Trade	\$3,484,803	\$2,884,408	\$1,724,784	49
Finance	\$1,288,671	\$747,301	\$435,156	4
Insurance	\$477,888	\$285,618	\$170,754	2
Real Estate	\$6,458,969	\$708,510	\$114,156	1
Hotels, Lodging Places, Amusements	\$642,774	\$335,435	\$220,057	6
Personal Services	\$2,353,714	\$1,439,158	\$1,119,688	20
Business Services	\$3,022,003	\$1,797,230	\$1,466,079	19
Eating & Drinking Places	\$1,630,995	\$954,131	\$507,648	25
Health Services	\$2,401,779	\$1,687,467	\$1,426,769	25
Miscellaneous Services	\$3,829,604	\$1,637,093	\$1,419,223	36
Households	\$209,179	\$209,179	\$204,753	15
Total	\$182,186,546	\$53,228,800	\$27,685,845	328

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas—2011
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$2,702,329	\$967,771	\$659,106	11
Forestry & Fishery Products	\$53,422	\$51,251	\$19,008	0
Coal Mining	\$165,507	\$47,657	\$50,220	0
Crude Petroleum & Natural Gas	\$1,153,357	\$253,119	\$116,738	1
Miscellaneous Mining	\$94,553	\$45,068	\$26,493	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$1,153,291	\$679,490	\$559,942	8
Food Products & Tobacco	\$5,600,473	\$1,447,053	\$739,224	13
Textile Mill Products	\$66,704	\$18,129	\$15,339	0
Apparel	\$1,145,913	\$636,017	\$322,279	9
Paper & Allied Products	\$798,473	\$343,595	\$155,337	3
Printing & Publishing	\$1,240,468	\$614,691	\$401,223	7
Chemicals & Petroleum Refining	\$2,796,632	\$290,037	\$136,189	1
Rubber & Leather Products	\$692,743	\$301,482	\$176,245	4
Lumber Products & Furniture	\$411,526	\$136,758	\$97,501	2
Stone, Clay, & Glass Products	\$502,680	\$254,492	\$133,100	2
Primary Metal	\$698,774	\$200,123	\$148,962	2
Fabricated Metal Products	\$1,482,180	\$571,525	\$368,977	7
Machinery, Except Electrical	\$1,051,626	\$427,547	\$305,441	4
Electric & Electronic Equipment	\$718,544	\$388,936	\$232,519	2
Motor Vehicles & Equipment	\$398,186	\$78,303	\$50,871	1
Transp. Equip., Exc. Motor Vehicles	\$328,141	\$140,582	\$91,865	1
Instruments & Related Products	\$211,683	\$91,650	\$69,663	1
Miscellaneous Manufacturing	\$327,667	\$121,875	\$84,059	1
Transportation	\$8,770,093	\$5,575,442	\$3,687,399	55
Communication	\$3,384,901	\$2,081,634	\$888,716	8
Electric, Gas, Water, Sanitary Services	\$143,298,005	\$34,692,008	\$15,138,667	69
Wholesale Trade	\$3,522,300	\$2,381,820	\$1,373,379	17
Retail Trade	\$4,468,838	\$3,699,584	\$2,212,233	62
Finance	\$2,970,286	\$1,712,174	\$997,004	10
Insurance	\$2,775,305	\$1,658,927	\$991,772	13
Real Estate	\$15,848,493	\$2,495,239	\$402,037	4
Hotels, Lodging Places, Amusements	\$1,401,325	\$725,573	\$476,001	12
Personal Services	\$2,947,945	\$1,808,771	\$1,407,253	26
Business Services	\$6,005,197	\$3,619,527	\$2,952,607	39
Eating & Drinking Places	\$2,178,439	\$1,274,555	\$678,131	33
Health Services	\$4,703,947	\$3,291,531	\$2,783,020	49
Miscellaneous Services	\$4,360,594	\$1,844,852	\$1,599,333	41
Households	\$226,673	\$226,673	\$221,876	17
Total	\$230,657,212	\$75,195,460	\$40,769,728	537

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Matagorda County—2012
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$4,230,182	\$1,554,070	\$1,058,408	18
Forestry & Fishery Products	\$81,727	\$77,433	\$28,719	0
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$901,750	\$197,919	\$91,280	0
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$1,926,323	\$1,140,520	\$939,859	14
Food Products & Tobacco	\$1,202,642	\$310,911	\$158,828	3
Textile Mill Products	\$103,821	\$28,733	\$24,311	1
Apparel	\$59,465	\$33,017	\$16,730	0
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$489,309	\$241,911	\$157,901	3
Chemicals & Petroleum Refining	\$4,736,870	\$485,978	\$228,195	2
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$1,687,298	\$652,782	\$421,437	8
Machinery, Except Electrical	\$185,645	\$75,522	\$53,953	1
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$43,456	\$18,619	\$12,166	0
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$5,667,473	\$3,607,355	\$2,385,776	36
Communication	\$1,622,961	\$1,003,113	\$428,261	4
Electric, Gas, Water, Sanitary Services	\$246,423,443	\$59,692,887	\$26,048,384	119
Wholesale Trade	\$1,706,993	\$1,154,232	\$665,540	8
Retail Trade	\$6,040,325	\$4,999,641	\$2,989,625	84
Finance	\$2,233,696	\$1,295,322	\$754,270	7
Insurance	\$828,339	\$495,071	\$295,973	4
Real Estate	\$11,195,546	\$1,228,084	\$197,871	2
Hotels, Lodging Places, Amusements	\$1,114,141	\$581,420	\$381,432	10
Personal Services	\$4,079,771	\$2,494,541	\$1,940,793	35
Business Services	\$5,238,138	\$3,115,198	\$2,541,204	33
Eating & Drinking Places	\$2,827,057	\$1,653,827	\$879,924	43
Health Services	\$4,163,084	\$2,924,942	\$2,473,066	44
Miscellaneous Services	\$6,637,980	\$2,837,627	\$2,459,986	63
Households	\$362,578	\$362,578	\$354,905	26
Total	\$315,790,012	\$92,263,253	\$47,988,799	569

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas—2012
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$4,684,036	\$1,677,470	\$1,142,450	20
Forestry & Fishery Products	\$92,598	\$88,834	\$32,947	0
Coal Mining	\$286,879	\$82,606	\$87,047	1
Crude Petroleum & Natural Gas	\$1,999,153	\$438,739	\$202,346	1
Miscellaneous Mining	\$163,891	\$78,118	\$45,922	1
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$1,999,038	\$1,177,783	\$970,567	15
Food Products & Tobacco	\$9,707,486	\$2,508,225	\$1,281,321	23
Textile Mill Products	\$115,621	\$31,424	\$26,588	1
Apparel	\$1,986,250	\$1,102,429	\$558,618	16
Paper & Allied Products	\$1,384,021	\$595,565	\$269,250	4
Printing & Publishing	\$2,150,144	\$1,065,465	\$695,453	13
Chemicals & Petroleum Refining	\$4,847,496	\$502,730	\$236,061	2
Rubber & Leather Products	\$1,200,754	\$522,569	\$305,492	7
Lumber Products & Furniture	\$713,311	\$237,048	\$169,002	4
Stone, Clay, & Glass Products	\$871,312	\$441,119	\$230,707	4
Primary Metal	\$1,211,208	\$346,879	\$258,200	4
Fabricated Metal Products	\$2,569,113	\$990,643	\$639,560	12
Machinery, Except Electrical	\$1,822,819	\$741,082	\$529,432	6
Electric & Electronic Equipment	\$1,245,476	\$674,155	\$403,033	4
Motor Vehicles & Equipment	\$690,188	\$135,725	\$88,176	1
Transp. Equip., Exc. Motor Vehicles	\$568,777	\$243,675	\$159,233	2
Instruments & Related Products	\$366,917	\$158,861	\$120,749	2
Miscellaneous Manufacturing	\$567,957	\$211,250	\$145,702	3
Transportation	\$15,201,494	\$9,664,100	\$6,391,491	95
Communication	\$5,867,161	\$3,608,165	\$1,540,442	15
Electric, Gas, Water, Sanitary Services	\$248,383,208	\$60,132,813	\$26,240,355	120
Wholesale Trade	\$6,105,319	\$4,128,489	\$2,380,523	29
Retail Trade	\$7,745,986	\$6,412,613	\$3,834,537	108
Finance	\$5,148,496	\$2,967,768	\$1,728,140	17
Insurance	\$4,810,529	\$2,875,474	\$1,719,071	22
Real Estate	\$27,470,721	\$4,325,081	\$696,864	7
Hotels, Lodging Places, Amusements	\$2,428,963	\$1,257,660	\$825,069	22
Personal Services	\$5,109,772	\$3,135,203	\$2,439,239	44
Business Services	\$10,409,009	\$6,273,847	\$5,117,852	67
Eating & Drinking Places	\$3,775,962	\$2,209,228	\$1,175,427	57
Health Services	\$8,153,509	\$5,705,321	\$4,823,901	86
Miscellaneous Services	\$7,558,362	\$3,197,743	\$2,772,177	71
Households	\$392,899	\$392,899	\$384,585	29
Total	\$399,805,834	\$130,338,798	\$70,667,529	931

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Matagorda County—2013
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$10,534,781	\$3,870,232	\$2,635,844	45
Forestry & Fishery Products	\$203,532	\$192,839	\$71,521	1
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$2,245,703	\$492,893	\$227,322	1
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$4,797,285	\$2,840,333	\$2,340,611	36
Food Products & Tobacco	\$2,995,041	\$774,288	\$395,543	7
Textile Mill Products	\$258,554	\$71,557	\$60,544	1
Apparel	\$148,091	\$82,224	\$41,665	1
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$1,218,567	\$602,450	\$393,233	7
Chemicals & Petroleum Refining	\$11,796,628	\$1,210,272	\$568,293	5
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$4,202,022	\$1,625,678	\$1,049,540	19
Machinery, Except Electrical	\$462,329	\$188,080	\$134,364	2
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$108,223	\$46,367	\$30,299	0
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$14,114,187	\$8,983,701	\$5,941,500	88
Communication	\$4,041,798	\$2,498,137	\$1,066,534	10
Electric, Gas, Water, Sanitary Services	\$613,689,152	\$148,658,249	\$64,870,494	296
Wholesale Trade	\$4,251,069	\$2,874,482	\$1,657,452	20
Retail Trade	\$15,042,732	\$12,451,028	\$7,445,317	210
Finance	\$5,562,763	\$3,225,851	\$1,878,423	18
Insurance	\$2,062,882	\$1,232,917	\$737,086	10
Real Estate	\$27,881,217	\$3,058,402	\$492,775	5
Hotels, Lodging Places, Amusements	\$2,774,640	\$1,447,960	\$949,912	25
Personal Services	\$10,160,199	\$6,212,365	\$4,833,321	88
Business Services	\$13,044,978	\$7,758,042	\$6,328,575	83
Eating & Drinking Places	\$7,040,460	\$4,118,664	\$2,191,349	107
Health Services	\$10,367,680	\$7,284,231	\$6,158,884	110
Miscellaneous Services	\$16,531,123	\$7,066,784	\$6,126,312	158
Households	\$902,957	\$902,957	\$883,850	66
Total	\$786,438,589	\$229,770,985	\$119,510,566	1,417

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas—2013
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$11,665,052	\$4,177,544	\$2,845,140	49
Forestry & Fishery Products	\$230,606	\$221,232	\$82,051	1
Coal Mining	\$714,438	\$205,721	\$216,782	2
Crude Petroleum & Natural Gas	\$4,978,659	\$1,092,628	\$503,919	3
Miscellaneous Mining	\$408,152	\$194,545	\$114,363	1
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$4,978,372	\$2,933,133	\$2,417,084	37
Food Products & Tobacco	\$24,175,373	\$6,246,445	\$3,190,982	57
Textile Mill Products	\$287,940	\$78,258	\$66,214	2
Apparel	\$4,946,526	\$2,745,472	\$1,391,173	41
Paper & Allied Products	\$3,446,743	\$1,483,187	\$670,537	11
Printing & Publishing	\$5,354,685	\$2,653,418	\$1,731,946	32
Chemicals & Petroleum Refining	\$12,072,130	\$1,251,991	\$587,883	5
Rubber & Leather Products	\$2,990,339	\$1,301,398	\$760,791	16
Lumber Products & Furniture	\$1,776,419	\$590,341	\$420,880	9
Stone, Clay, & Glass Products	\$2,169,903	\$1,098,555	\$574,549	10
Primary Metal	\$3,016,374	\$863,863	\$643,018	10
Fabricated Metal Products	\$6,398,078	\$2,467,083	\$1,592,751	29
Machinery, Except Electrical	\$4,539,520	\$1,845,579	\$1,318,489	15
Electric & Electronic Equipment	\$3,101,715	\$1,678,906	\$1,003,707	9
Motor Vehicles & Equipment	\$1,718,834	\$338,007	\$219,592	3
Transp. Equip., Exc. Motor Vehicles	\$1,416,473	\$606,844	\$396,552	5
Instruments & Related Products	\$913,765	\$395,624	\$300,711	4
Miscellaneous Manufacturing	\$1,414,431	\$526,095	\$362,854	6
Transportation	\$37,857,566	\$24,067,325	\$15,917,270	237
Communication	\$14,611,488	\$8,985,718	\$3,836,292	36
Electric, Gas, Water, Sanitary Services	\$618,569,721	\$149,753,833	\$65,348,577	298
Wholesale Trade	\$15,204,593	\$10,281,524	\$5,928,418	71
Retail Trade	\$19,290,484	\$15,969,873	\$9,549,473	269
Finance	\$12,821,736	\$7,390,884	\$4,303,733	41
Insurance	\$11,980,068	\$7,161,036	\$4,281,149	55
Real Estate	\$68,412,660	\$10,771,115	\$1,735,460	17
Hotels, Lodging Places, Amusements	\$6,049,052	\$3,132,057	\$2,054,738	54
Personal Services	\$12,725,297	\$7,807,861	\$6,074,643	110
Business Services	\$25,922,436	\$15,624,292	\$12,745,419	167
Eating & Drinking Places	\$9,403,596	\$5,501,827	\$2,927,266	142
Health Services	\$20,305,372	\$14,208,443	\$12,013,370	214
Miscellaneous Services	\$18,823,229	\$7,963,610	\$6,903,786	178
Households	\$978,470	\$978,470	\$957,765	71
Total	\$995,670,298	\$324,593,737	\$175,989,327	2,319

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Matagorda County—2014
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$18,710,422	\$6,873,772	\$4,681,421	81
Forestry & Fishery Products	\$361,485	\$342,494	\$127,026	2
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$3,988,508	\$875,409	\$403,738	2
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$8,520,274	\$5,044,607	\$4,157,070	63
Food Products & Tobacco	\$5,319,377	\$1,375,184	\$702,509	13
Textile Mill Products	\$459,208	\$127,089	\$107,530	3
Apparel	\$263,019	\$146,035	\$73,999	2
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$2,164,250	\$1,069,989	\$698,407	13
Chemicals & Petroleum Refining	\$20,951,541	\$2,149,518	\$1,009,324	8
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$7,463,051	\$2,887,304	\$1,864,048	34
Machinery, Except Electrical	\$821,124	\$334,041	\$238,639	3
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$192,210	\$82,351	\$53,813	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$25,067,668	\$15,955,608	\$10,552,471	157
Communication	\$7,178,482	\$4,436,846	\$1,894,230	18
Electric, Gas, Water, Sanitary Services	\$1,089,949,845	\$264,026,233	\$115,214,005	525
Wholesale Trade	\$7,550,161	\$5,105,257	\$2,943,737	35
Retail Trade	\$26,716,821	\$22,113,796	\$13,223,343	373
Finance	\$9,879,810	\$5,729,310	\$3,336,196	32
Insurance	\$3,663,805	\$2,189,737	\$1,309,111	17
Real Estate	\$49,518,763	\$5,431,910	\$875,199	8
Hotels, Lodging Places, Amusements	\$4,927,931	\$2,571,666	\$1,687,102	44
Personal Services	\$18,045,141	\$11,033,545	\$8,584,276	156
Business Services	\$23,168,686	\$13,778,762	\$11,239,941	147
Eating & Drinking Places	\$12,504,293	\$7,315,003	\$3,891,971	189
Health Services	\$18,413,640	\$12,937,245	\$10,938,559	195
Miscellaneous Services	\$29,360,295	\$12,551,045	\$10,880,709	280
Households	\$1,603,708	\$1,603,708	\$1,569,773	117
Total	\$1,396,763,516	\$408,087,464	\$212,258,148	2,517

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Texas—2014
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$20,717,854	\$7,419,577	\$5,053,145	87
Forestry & Fishery Products	\$409,570	\$392,922	\$145,727	2
Coal Mining	\$1,268,886	\$365,373	\$385,017	3
Crude Petroleum & Natural Gas	\$8,842,406	\$1,940,575	\$894,991	5
Miscellaneous Mining	\$724,904	\$345,524	\$203,116	2
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$8,841,897	\$5,209,426	\$4,292,891	65
Food Products & Tobacco	\$42,936,956	\$11,094,071	\$5,667,380	102
Textile Mill Products	\$511,400	\$138,991	\$117,601	3
Apparel	\$8,785,336	\$4,876,127	\$2,470,809	72
Paper & Allied Products	\$6,121,629	\$2,634,231	\$1,190,915	19
Printing & Publishing	\$9,510,252	\$4,712,634	\$3,076,043	56
Chemicals & Petroleum Refining	\$21,440,848	\$2,223,614	\$1,044,116	8
Rubber & Leather Products	\$5,311,027	\$2,311,364	\$1,351,213	29
Lumber Products & Furniture	\$3,155,029	\$1,048,481	\$747,509	17
Stone, Clay, & Glass Products	\$3,853,881	\$1,951,102	\$1,020,435	18
Primary Metal	\$5,357,266	\$1,534,275	\$1,142,039	18
Fabricated Metal Products	\$11,363,382	\$4,381,691	\$2,828,825	52
Machinery, Except Electrical	\$8,062,468	\$3,277,862	\$2,341,717	27
Electric & Electronic Equipment	\$5,508,837	\$2,981,841	\$1,782,645	16
Motor Vehicles & Equipment	\$3,052,756	\$600,321	\$390,010	6
Transp. Equip., Exc. Motor Vehicles	\$2,515,744	\$1,077,793	\$704,301	9
Instruments & Related Products	\$1,622,904	\$702,653	\$534,081	7
Miscellaneous Manufacturing	\$2,512,117	\$934,377	\$644,452	11
Transportation	\$67,237,376	\$42,745,056	\$28,270,055	421
Communication	\$25,950,904	\$15,959,191	\$6,813,491	65
Electric, Gas, Water, Sanitary Services	\$1,098,618,037	\$265,972,058	\$116,063,110	529
Wholesale Trade	\$27,004,297	\$18,260,622	\$10,529,237	127
Retail Trade	\$34,261,091	\$28,363,480	\$16,960,454	479
Finance	\$22,772,196	\$13,126,666	\$7,643,695	73
Insurance	\$21,277,341	\$12,718,441	\$7,603,585	98
Real Estate	\$121,505,110	\$19,130,166	\$3,082,284	29
Hotels, Lodging Places, Amusements	\$10,743,490	\$5,562,727	\$3,649,342	96
Personal Services	\$22,600,914	\$13,867,244	\$10,788,940	196
Business Services	\$46,039,847	\$27,749,708	\$22,636,651	296
Eating & Drinking Places	\$16,701,368	\$9,771,585	\$5,199,005	253
Health Services	\$36,063,596	\$25,235,072	\$21,336,487	379
Miscellaneous Services	\$33,431,217	\$14,143,863	\$12,261,551	315
Households	\$1,737,824	\$1,737,824	\$1,701,050	127
Total	\$1,768,371,957	\$576,498,529	\$312,567,917	4,119

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Matagorda County—2015
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$27,699,560	\$10,176,171	\$6,930,539	119
Forestry & Fishery Products	\$535,155	\$507,040	\$188,054	3
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$5,904,725	\$1,295,986	\$597,707	3
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$12,613,710	\$7,468,212	\$6,154,271	93
Food Products & Tobacco	\$7,874,991	\$2,035,870	\$1,040,019	19
Textile Mill Products	\$679,827	\$188,147	\$159,191	4
Apparel	\$389,382	\$216,195	\$109,551	3
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$3,204,031	\$1,584,049	\$1,033,946	19
Chemicals & Petroleum Refining	\$31,017,390	\$3,182,221	\$1,494,238	12
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$11,048,560	\$4,274,465	\$2,759,602	51
Machinery, Except Electrical	\$1,215,621	\$494,526	\$353,290	4
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$284,555	\$121,916	\$79,666	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$37,111,047	\$23,621,237	\$15,622,245	232
Communication	\$10,627,275	\$6,568,461	\$2,804,284	27
Electric, Gas, Water, Sanitary Services	\$1,613,599,662	\$390,873,619	\$170,566,821	778
Wholesale Trade	\$11,177,521	\$7,558,000	\$4,358,010	53
Retail Trade	\$39,552,511	\$32,738,032	\$19,576,297	552
Finance	\$14,626,414	\$8,481,870	\$4,939,020	47
Insurance	\$5,424,024	\$3,241,763	\$1,938,053	25
Real Estate	\$73,309,299	\$8,041,589	\$1,295,674	13
Hotels, Lodging Places, Amusements	\$7,295,481	\$3,807,184	\$2,497,645	65
Personal Services	\$26,714,654	\$16,334,443	\$12,708,461	231
Business Services	\$34,299,729	\$20,398,559	\$16,639,999	218
Eating & Drinking Places	\$18,511,790	\$10,829,384	\$5,761,810	280
Health Services	\$27,260,193	\$19,152,748	\$16,193,823	288
Miscellaneous Services	\$43,466,002	\$18,581,003	\$16,108,181	414
Households	\$2,374,185	\$2,374,185	\$2,323,946	173
Total	\$2,067,817,293	\$604,146,877	\$314,234,345	3,727

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Texas—2015
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$30,671,431	\$10,984,200	\$7,480,851	129
Forestry & Fishery Products	\$606,341	\$581,695	\$215,739	3
Coal Mining	\$1,878,503	\$540,911	\$569,993	4
Crude Petroleum & Natural Gas	\$13,090,605	\$2,872,895	\$1,324,976	7
Miscellaneous Mining	\$1,073,173	\$511,525	\$300,700	3
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$13,089,852	\$7,712,215	\$6,355,346	96
Food Products & Tobacco	\$63,565,364	\$16,424,049	\$8,390,187	151
Textile Mill Products	\$757,094	\$205,768	\$174,100	4
Apparel	\$13,006,117	\$7,218,788	\$3,657,871	107
Paper & Allied Products	\$9,062,673	\$3,899,808	\$1,763,072	29
Printing & Publishing	\$14,079,307	\$6,976,747	\$4,553,880	83
Chemicals & Petroleum Refining	\$31,741,778	\$3,291,915	\$1,545,745	12
Rubber & Leather Products	\$7,862,628	\$3,421,823	\$2,000,382	43
Lumber Products & Furniture	\$4,670,815	\$1,552,208	\$1,106,639	25
Stone, Clay, & Glass Products	\$5,705,420	\$2,888,479	\$1,510,688	27
Primary Metal	\$7,931,083	\$2,271,394	\$1,690,715	27
Fabricated Metal Products	\$16,822,746	\$6,486,808	\$4,187,891	77
Machinery, Except Electrical	\$11,935,959	\$4,852,661	\$3,466,760	40
Electric & Electronic Equipment	\$8,155,474	\$4,414,422	\$2,639,090	24
Motor Vehicles & Equipment	\$4,519,405	\$888,736	\$577,384	9
Transp. Equip., Exc. Motor Vehicles	\$3,724,395	\$1,595,602	\$1,042,671	13
Instruments & Related Products	\$2,402,603	\$1,040,232	\$790,672	11
Miscellaneous Manufacturing	\$3,719,026	\$1,383,284	\$954,069	16
Transportation	\$99,540,550	\$63,281,267	\$41,851,973	623
Communication	\$38,418,622	\$23,626,541	\$10,086,929	96
Electric, Gas, Water, Sanitary Services	\$1,626,432,355	\$393,754,286	\$171,823,866	783
Wholesale Trade	\$39,978,100	\$27,033,661	\$15,587,849	188
Retail Trade	\$50,721,311	\$41,990,283	\$25,108,846	709
Finance	\$33,712,751	\$19,433,173	\$11,315,993	108
Insurance	\$31,499,716	\$18,828,823	\$11,256,612	146
Real Estate	\$179,880,391	\$28,320,963	\$4,563,120	44
Hotels, Lodging Places, Amusements	\$15,905,037	\$8,235,255	\$5,402,613	142
Personal Services	\$33,459,179	\$20,529,551	\$15,972,323	290
Business Services	\$68,158,991	\$41,081,633	\$33,512,086	439
Eating & Drinking Places	\$24,725,287	\$14,466,195	\$7,696,788	375
Health Services	\$53,389,801	\$37,358,878	\$31,587,278	562
Miscellaneous Services	\$49,492,737	\$20,939,066	\$18,152,427	467
Households	\$2,572,734	\$2,572,734	\$2,518,293	187
Total	\$2,617,959,354	\$853,468,474	\$462,736,416	6,097

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Matagorda County—2016
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$36,363,299	\$13,359,026	\$9,098,241	156
Forestry & Fishery Products	\$702,538	\$665,630	\$246,872	3
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$7,751,578	\$1,701,339	\$784,655	4
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$16,558,967	\$9,804,084	\$8,079,176	123
Food Products & Tobacco	\$10,338,094	\$2,672,640	\$1,365,311	25
Textile Mill Products	\$892,460	\$246,994	\$208,982	5
Apparel	\$511,171	\$283,816	\$143,816	4
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$4,206,173	\$2,079,501	\$1,357,338	25
Chemicals & Petroleum Refining	\$40,718,864	\$4,177,542	\$1,961,599	16
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$14,504,276	\$5,611,413	\$3,622,738	67
Machinery, Except Electrical	\$1,595,837	\$649,201	\$463,791	5
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$373,556	\$160,048	\$104,584	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$48,718,467	\$31,009,377	\$20,508,498	305
Communication	\$13,951,224	\$8,622,914	\$3,681,395	35
Electric, Gas, Water, Sanitary Services	\$2,118,293,830	\$513,129,244	\$223,915,915	1,021
Wholesale Trade	\$14,673,574	\$9,921,956	\$5,721,088	69
Retail Trade	\$51,923,561	\$42,977,681	\$25,699,279	725
Finance	\$19,201,196	\$11,134,790	\$6,483,824	62
Insurance	\$7,120,526	\$4,255,706	\$2,544,228	33
Real Estate	\$96,238,640	\$10,556,799	\$1,700,929	16
Hotels, Lodging Places, Amusements	\$9,577,328	\$4,997,978	\$3,278,847	86
Personal Services	\$35,070,339	\$21,443,454	\$16,683,354	303
Business Services	\$45,027,838	\$26,778,724	\$21,844,580	286
Eating & Drinking Places	\$24,301,821	\$14,216,548	\$7,563,962	368
Health Services	\$35,786,509	\$25,143,255	\$21,258,852	378
Miscellaneous Services	\$57,061,095	\$24,392,682	\$21,146,422	544
Households	\$3,116,772	\$3,116,772	\$3,050,819	227
Total	\$2,714,579,529	\$793,109,116	\$412,519,096	4,892

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project
(STP) on Business Activity in Texas—2016
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$40,264,698	\$14,419,786	\$9,820,677	169
Forestry & Fishery Products	\$795,990	\$763,635	\$283,217	4
Coal Mining	\$2,466,053	\$710,094	\$748,273	5
Crude Petroleum & Natural Gas	\$17,185,024	\$3,771,466	\$1,739,396	9
Miscellaneous Mining	\$1,408,835	\$671,518	\$394,751	5
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$17,184,034	\$10,124,406	\$8,343,141	127
Food Products & Tobacco	\$83,447,041	\$21,561,087	\$11,014,430	198
Textile Mill Products	\$993,894	\$270,127	\$228,554	6
Apparel	\$17,074,109	\$9,476,647	\$4,801,963	141
Paper & Allied Products	\$11,897,253	\$5,119,572	\$2,314,518	38
Printing & Publishing	\$18,482,967	\$9,158,902	\$5,978,222	109
Chemicals & Petroleum Refining	\$41,669,823	\$4,321,545	\$2,029,216	16
Rubber & Leather Products	\$10,321,865	\$4,492,085	\$2,626,052	57
Lumber Products & Furniture	\$6,131,731	\$2,037,701	\$1,452,768	33
Stone, Clay, & Glass Products	\$7,489,935	\$3,791,924	\$1,983,193	35
Primary Metal	\$10,411,729	\$2,981,830	\$2,219,529	36
Fabricated Metal Products	\$22,084,487	\$8,515,722	\$5,497,759	101
Machinery, Except Electrical	\$15,669,232	\$6,370,454	\$4,551,077	52
Electric & Electronic Equipment	\$10,706,305	\$5,795,144	\$3,464,532	31
Motor Vehicles & Equipment	\$5,932,964	\$1,166,710	\$757,975	12
Transp. Equip., Exc. Motor Vehicles	\$4,889,294	\$2,094,666	\$1,368,793	18
Instruments & Related Products	\$3,154,078	\$1,365,591	\$1,037,975	14
Miscellaneous Manufacturing	\$4,882,245	\$1,815,941	\$1,252,478	22
Transportation	\$130,674,379	\$83,074,087	\$54,942,238	817
Communication	\$50,435,019	\$31,016,340	\$13,241,872	126
Electric, Gas, Water, Sanitary Services	\$2,135,140,272	\$516,910,913	\$225,566,132	1,029
Wholesale Trade	\$52,482,264	\$35,489,123	\$20,463,344	246
Retail Trade	\$66,585,685	\$55,123,807	\$32,962,274	930
Finance	\$44,257,268	\$25,511,391	\$14,855,356	142
Insurance	\$41,352,050	\$24,718,014	\$14,777,402	191
Real Estate	\$236,142,540	\$37,179,062	\$5,990,352	57
Hotels, Lodging Places, Amusements	\$20,879,740	\$10,811,040	\$7,092,417	186
Personal Services	\$43,924,385	\$26,950,688	\$20,968,071	380
Business Services	\$89,477,442	\$53,930,954	\$43,993,839	576
Eating & Drinking Places	\$32,458,746	\$18,990,863	\$10,104,153	492
Health Services	\$70,088,814	\$49,043,813	\$41,466,999	737
Miscellaneous Services	\$64,972,844	\$27,488,290	\$23,830,058	613
Households	\$3,377,422	\$3,377,422	\$3,305,953	246
Total	\$3,436,792,456	\$1,120,412,358	\$607,468,952	8,004

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Matagorda County—2017
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$36,770,047	\$13,508,456	\$9,200,011	158
Forestry & Fishery Products	\$710,396	\$673,075	\$249,634	3
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$7,838,284	\$1,720,369	\$793,432	4
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$16,744,190	\$9,913,749	\$8,169,547	124
Food Products & Tobacco	\$10,453,732	\$2,702,536	\$1,380,583	25
Textile Mill Products	\$902,443	\$249,757	\$211,319	5
Apparel	\$516,889	\$286,991	\$145,425	4
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$4,253,222	\$2,102,761	\$1,372,521	25
Chemicals & Petroleum Refining	\$41,174,332	\$4,224,270	\$1,983,541	16
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$14,666,517	\$5,674,180	\$3,663,260	68
Machinery, Except Electrical	\$1,613,687	\$656,463	\$468,978	5
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$377,735	\$161,838	\$105,754	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$49,263,417	\$31,356,238	\$20,737,899	309
Communication	\$14,107,278	\$8,719,367	\$3,722,574	36
Electric, Gas, Water, Sanitary Services	\$2,141,988,392	\$518,868,945	\$226,420,567	1,032
Wholesale Trade	\$14,837,708	\$10,032,940	\$5,785,082	70
Retail Trade	\$52,504,361	\$43,458,416	\$25,986,743	733
Finance	\$19,415,974	\$11,259,340	\$6,556,350	63
Insurance	\$7,200,173	\$4,303,309	\$2,572,687	33
Real Estate	\$97,315,134	\$10,674,884	\$1,719,955	17
Hotels, Lodging Places, Amusements	\$9,684,457	\$5,053,883	\$3,315,523	87
Personal Services	\$35,462,624	\$21,683,314	\$16,869,969	306
Business Services	\$45,531,505	\$27,078,263	\$22,088,927	289
Eating & Drinking Places	\$24,573,653	\$14,375,570	\$7,648,570	372
Health Services	\$36,186,806	\$25,424,499	\$21,496,647	382
Miscellaneous Services	\$57,699,362	\$24,665,531	\$21,382,959	550
Households	\$3,151,635	\$3,151,635	\$3,084,945	229
Total	\$2,744,943,954	\$801,980,582	\$417,133,403	4,947

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP)
on Business Activity in Texas—2017
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$40,715,086	\$14,581,081	\$9,930,528	171
Forestry & Fishery Products	\$804,893	\$772,176	\$286,385	4
Coal Mining	\$2,493,637	\$718,037	\$756,643	6
Crude Petroleum & Natural Gas	\$17,377,250	\$3,813,652	\$1,758,852	9
Miscellaneous Mining	\$1,424,594	\$679,029	\$399,167	5
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$17,376,249	\$10,237,655	\$8,436,465	128
Food Products & Tobacco	\$84,380,453	\$21,802,262	\$11,137,634	200
Textile Mill Products	\$1,005,012	\$273,148	\$231,111	6
Apparel	\$17,265,095	\$9,582,650	\$4,855,677	142
Paper & Allied Products	\$12,030,332	\$5,176,837	\$2,340,407	38
Printing & Publishing	\$18,689,712	\$9,261,351	\$6,045,092	110
Chemicals & Petroleum Refining	\$42,135,928	\$4,369,884	\$2,051,914	16
Rubber & Leather Products	\$10,437,322	\$4,542,332	\$2,655,427	57
Lumber Products & Furniture	\$6,200,319	\$2,060,494	\$1,469,018	33
Stone, Clay, & Glass Products	\$7,573,715	\$3,834,339	\$2,005,377	35
Primary Metal	\$10,528,192	\$3,015,183	\$2,244,356	36
Fabricated Metal Products	\$22,331,517	\$8,610,976	\$5,559,256	103
Machinery, Except Electrical	\$15,844,503	\$6,441,712	\$4,601,984	53
Electric & Electronic Equipment	\$10,826,063	\$5,859,966	\$3,503,285	31
Motor Vehicles & Equipment	\$5,999,328	\$1,179,761	\$766,453	12
Transp. Equip., Exc. Motor Vehicles	\$4,943,984	\$2,118,097	\$1,384,104	18
Instruments & Related Products	\$3,189,359	\$1,380,866	\$1,049,585	14
Miscellaneous Manufacturing	\$4,936,857	\$1,836,254	\$1,266,488	22
Transportation	\$132,136,061	\$84,003,327	\$55,556,805	827
Communication	\$50,999,169	\$31,363,279	\$13,389,992	127
Electric, Gas, Water, Sanitary Services	\$2,159,023,272	\$522,692,914	\$228,089,243	1,040
Wholesale Trade	\$53,069,314	\$35,886,093	\$20,692,240	249
Retail Trade	\$67,330,492	\$55,740,405	\$33,330,980	941
Finance	\$44,752,315	\$25,796,753	\$15,021,523	144
Insurance	\$41,814,601	\$24,994,502	\$14,942,697	194
Real Estate	\$238,783,955	\$37,594,935	\$6,057,358	58
Hotels, Lodging Places, Amusements	\$21,113,294	\$10,931,969	\$7,171,750	188
Personal Services	\$44,415,709	\$27,252,150	\$21,202,613	385
Business Services	\$90,478,308	\$54,534,208	\$44,485,940	583
Eating & Drinking Places	\$32,821,819	\$19,203,289	\$10,217,175	497
Health Services	\$70,872,805	\$49,592,402	\$41,930,836	745
Miscellaneous Services	\$65,699,610	\$27,795,765	\$24,096,613	620
Households	\$3,415,201	\$3,415,201	\$3,342,932	249
Total	\$3,475,235,325	\$1,132,944,935	\$614,263,907	8,094

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP) on Business Activity in Matagorda County—2018 and Beyond
Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$38,193,666	\$14,031,460	\$9,556,206	164
Forestry & Fishery Products	\$737,901	\$699,135	\$259,299	3
Coal Mining	\$0	\$0	\$0	0
Crude Petroleum & Natural Gas	\$8,141,758	\$1,786,976	\$824,151	4
Miscellaneous Mining	\$0	\$0	\$0	0
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$17,392,472	\$10,297,578	\$8,485,846	129
Food Products & Tobacco	\$10,858,467	\$2,807,169	\$1,434,035	26
Textile Mill Products	\$937,383	\$259,427	\$219,501	5
Apparel	\$536,901	\$298,102	\$151,055	4
Paper & Allied Products	\$0	\$0	\$0	0
Printing & Publishing	\$4,417,893	\$2,184,174	\$1,425,661	26
Chemicals & Petroleum Refining	\$42,768,471	\$4,387,821	\$2,060,337	16
Rubber & Leather Products	\$0	\$0	\$0	0
Lumber Products & Furniture	\$0	\$0	\$0	0
Stone, Clay, & Glass Products	\$0	\$0	\$0	0
Primary Metal	\$0	\$0	\$0	0
Fabricated Metal Products	\$15,234,357	\$5,893,866	\$3,805,090	70
Machinery, Except Electrical	\$1,676,164	\$681,879	\$487,136	5
Electric & Electronic Equipment	\$0	\$0	\$0	0
Motor Vehicles & Equipment	\$0	\$0	\$0	0
Transp. Equip., Exc. Motor Vehicles	\$392,359	\$168,104	\$109,848	1
Instruments & Related Products	\$0	\$0	\$0	0
Miscellaneous Manufacturing	\$0	\$0	\$0	0
Transportation	\$51,170,739	\$32,570,252	\$21,540,805	321
Communication	\$14,653,467	\$9,056,953	\$3,866,701	37
Electric, Gas, Water, Sanitary Services	\$2,224,919,358	\$538,957,898	\$235,186,850	1,072
Wholesale Trade	\$15,412,177	\$10,421,383	\$6,009,062	72
Retail Trade	\$54,537,163	\$45,140,987	\$26,992,867	762
Finance	\$20,167,699	\$11,695,266	\$6,810,191	65
Insurance	\$7,478,941	\$4,469,919	\$2,672,294	35
Real Estate	\$101,082,866	\$11,088,182	\$1,786,547	17
Hotels, Lodging Places, Amusements	\$10,059,408	\$5,249,554	\$3,443,890	90
Personal Services	\$36,835,624	\$22,522,823	\$17,523,121	318
Business Services	\$47,294,339	\$28,126,647	\$22,944,140	300
Eating & Drinking Places	\$25,525,067	\$14,932,146	\$7,944,698	387
Health Services	\$37,587,844	\$26,408,855	\$22,328,928	397
Miscellaneous Services	\$59,933,298	\$25,620,502	\$22,210,839	571
Households	\$3,273,657	\$3,273,657	\$3,204,384	238
Total	\$2,851,219,439	\$833,030,715	\$433,283,480	5,138

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



**The Anticipated Annual Impact of the Ongoing Operations, Maintenance, and
Related Initiatives Associated with Units 3 and 4 of the South Texas Project (STP)
on Business Activity in Texas—2018 and Beyond
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanant Jobs)
Agricultural Products & Services	\$42,291,444	\$15,145,614	\$10,315,007	177
Forestry & Fishery Products	\$836,056	\$802,073	\$297,473	4
Coal Mining	\$2,590,183	\$745,837	\$785,938	6
Crude Petroleum & Natural Gas	\$18,050,042	\$3,961,305	\$1,826,949	10
Miscellaneous Mining	\$1,479,749	\$705,319	\$414,621	5
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$18,049,002	\$10,634,024	\$8,763,098	133
Food Products & Tobacco	\$87,647,396	\$22,646,376	\$11,568,848	208
Textile Mill Products	\$1,043,922	\$283,723	\$240,059	6
Apparel	\$17,933,544	\$9,953,660	\$5,043,673	148
Paper & Allied Products	\$12,496,108	\$5,377,268	\$2,431,020	40
Printing & Publishing	\$19,413,318	\$9,619,921	\$6,279,139	114
Chemicals & Petroleum Refining	\$43,767,297	\$4,539,072	\$2,131,358	17
Rubber & Leather Products	\$10,841,422	\$4,718,197	\$2,758,236	59
Lumber Products & Furniture	\$6,440,375	\$2,140,270	\$1,525,894	34
Stone, Clay, & Glass Products	\$7,866,945	\$3,982,792	\$2,083,019	37
Primary Metal	\$10,935,810	\$3,131,922	\$2,331,250	37
Fabricated Metal Products	\$23,196,122	\$8,944,366	\$5,774,492	107
Machinery, Except Electrical	\$16,457,952	\$6,691,114	\$4,780,158	55
Electric & Electronic Equipment	\$11,245,213	\$6,086,846	\$3,638,921	32
Motor Vehicles & Equipment	\$6,231,603	\$1,225,437	\$796,128	12
Transp. Equip., Exc. Motor Vehicles	\$5,135,399	\$2,200,103	\$1,437,692	18
Instruments & Related Products	\$3,312,841	\$1,434,328	\$1,090,222	15
Miscellaneous Manufacturing	\$5,127,996	\$1,907,348	\$1,315,523	23
Transportation	\$137,251,948	\$87,255,668	\$57,707,787	859
Communication	\$52,973,694	\$32,577,565	\$13,908,409	132
Electric, Gas, Water, Sanitary Services	\$2,242,613,775	\$542,929,919	\$236,920,132	1,080
Wholesale Trade	\$55,123,989	\$37,275,488	\$21,493,378	259
Retail Trade	\$69,937,314	\$57,898,496	\$34,621,449	977
Finance	\$46,484,983	\$26,795,521	\$15,603,109	149
Insurance	\$43,433,529	\$25,962,210	\$15,521,231	201
Real Estate	\$248,028,909	\$39,050,491	\$6,291,879	60
Hotels, Lodging Places, Amusements	\$21,930,733	\$11,355,220	\$7,449,418	195
Personal Services	\$46,135,344	\$28,307,266	\$22,023,511	400
Business Services	\$93,981,340	\$56,645,599	\$46,208,294	605
Eating & Drinking Places	\$34,092,576	\$19,946,779	\$10,612,751	516
Health Services	\$73,616,775	\$51,512,462	\$43,554,264	774
Miscellaneous Services	\$68,243,289	\$28,871,929	\$25,029,558	644
Households	\$3,547,427	\$3,547,427	\$3,472,360	258
Total	\$3,609,785,365	\$1,176,808,953	\$638,046,248	8,407

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



Potential Fuel Diversity Benefits of the Proposed Units 3 and 4 of the South Texas Project



The Potential Annual Fuel Diversity Benefits Associated with the Availability of the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming Generation Switching Capacity in a Competitive Market on Business Activity in Texas—Case I Average Fuel Prices Over the 2003-2009 Period—Residential Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$12,551,653	\$3,412,709	\$2,324,246	40
Forestry & Fishery Products	\$316,973	\$332,411	\$123,286	2
Coal Mining	\$1,696,249	\$489,938	\$516,279	4
Crude Petroleum & Natural Gas	\$9,081,149	\$1,983,723	\$914,891	5
Miscellaneous Mining	\$218,476	\$93,898	\$55,197	1
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$16,411,182	\$8,410,079	\$6,930,429	105
Food Products & Tobacco	\$25,664,865	\$6,601,452	\$3,372,338	61
Textile Mill Products	\$337,465	\$76,957	\$65,113	2
Apparel	\$4,678,568	\$2,586,973	\$1,310,858	38
Paper & Allied Products	\$4,047,598	\$1,791,191	\$809,784	13
Printing & Publishing	\$5,697,244	\$2,884,833	\$1,882,996	34
Chemicals & Petroleum Refining	\$21,289,718	\$3,223,883	\$1,513,801	12
Rubber & Leather Products	\$3,092,383	\$1,329,796	\$777,393	17
Lumber Products & Furniture	\$1,278,136	\$448,304	\$319,617	7
Stone, Clay, & Glass Products	\$1,660,222	\$920,152	\$481,243	8
Primary Metal	\$1,336,969	\$369,888	\$275,327	4
Fabricated Metal Products	\$3,381,922	\$1,214,377	\$784,003	14
Machinery, Except Electrical	\$2,090,235	\$837,872	\$598,579	7
Electric & Electronic Equipment	\$2,026,443	\$1,067,038	\$637,911	6
Motor Vehicles & Equipment	\$1,631,467	\$367,325	\$238,638	4
Transp. Equip., Exc. Motor Vehicles	\$708,974	\$303,483	\$198,315	3
Instruments & Related Products	\$570,485	\$233,948	\$177,821	2
Miscellaneous Manufacturing	\$1,308,214	\$516,122	\$355,974	6
Transportation	\$19,200,806	\$13,199,188	\$8,729,472	130
Communication	\$20,023,810	\$12,372,238	\$5,282,105	50
Electric, Gas, Water, Sanitary Services	\$48,767,177	\$10,947,197	\$4,777,065	22
Wholesale Trade	\$20,611,152	\$13,947,603	\$8,042,312	97
Retail Trade	\$127,672,532	\$105,794,370	\$63,261,650	1,785
Finance	\$8,684,851	\$4,586,900	\$2,670,965	26
Insurance	\$11,930,598	\$7,140,796	\$4,269,049	55
Real Estate	\$119,085,186	\$11,697,049	\$1,884,648	18
Hotels, Lodging Places, Amusements	\$10,131,886	\$5,336,473	\$3,500,911	92
Personal Services	\$28,245,597	\$17,568,817	\$13,668,824	248
Business Services	\$26,639,250	\$15,681,326	\$12,791,943	168
Eating & Drinking Places	\$55,394,846	\$32,441,536	\$17,260,630	840
Health Services	\$35,370,044	\$25,069,519	\$21,196,510	377
Miscellaneous Services	\$25,294,347	\$9,896,850	\$8,579,744	221
Households	\$806,016	\$806,016	\$788,961	59
Total	\$678,934,691	\$325,982,231	\$201,368,830	4,581

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Potential Annual Fuel Diversity Benefits Associated with the Availability of
the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming
Generation Switching Capacity in a Competitive Market on Business Activity in
Texas—Case II Average Fuel Prices in 2008—Residential
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$30,691,416	\$8,344,788	\$5,683,267	98
Forestry & Fishery Products	\$775,065	\$812,814	\$301,459	4
Coal Mining	\$4,147,685	\$1,198,000	\$1,262,409	9
Crude Petroleum & Natural Gas	\$22,205,309	\$4,850,618	\$2,237,100	12
Miscellaneous Mining	\$534,220	\$229,601	\$134,969	1
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$40,128,774	\$20,564,403	\$16,946,349	257
Food Products & Tobacco	\$62,755,965	\$16,141,932	\$8,246,071	148
Textile Mill Products	\$825,173	\$188,175	\$159,215	4
Apparel	\$11,440,078	\$6,325,690	\$3,205,323	94
Paper & Allied Products	\$9,897,224	\$4,379,836	\$1,980,092	33
Printing & Publishing	\$13,930,953	\$7,054,021	\$4,604,319	84
Chemicals & Petroleum Refining	\$52,057,813	\$7,883,068	\$3,701,559	30
Rubber & Leather Products	\$7,561,524	\$3,251,630	\$1,900,888	41
Lumber Products & Furniture	\$3,125,311	\$1,096,197	\$781,531	18
Stone, Clay, & Glass Products	\$4,059,591	\$2,249,963	\$1,176,740	21
Primary Metal	\$3,269,169	\$904,453	\$673,231	11
Fabricated Metal Products	\$8,269,508	\$2,969,406	\$1,917,052	35
Machinery, Except Electrical	\$5,111,061	\$2,048,772	\$1,463,651	17
Electric & Electronic Equipment	\$4,955,078	\$2,609,130	\$1,559,827	14
Motor Vehicles & Equipment	\$3,989,278	\$898,187	\$583,521	9
Transp. Equip., Exc. Motor Vehicles	\$1,733,591	\$742,079	\$484,921	6
Instruments & Related Products	\$1,394,955	\$572,053	\$434,811	6
Miscellaneous Manufacturing	\$3,198,857	\$1,262,025	\$870,432	15
Transportation	\$46,949,986	\$32,274,776	\$21,345,384	318
Communication	\$48,962,405	\$30,252,709	\$12,915,853	123
Electric, Gas, Water, Sanitary Services	\$119,245,948	\$26,768,188	\$11,680,924	53
Wholesale Trade	\$50,398,577	\$34,104,808	\$19,665,135	237
Retail Trade	\$312,186,047	\$258,689,364	\$154,687,967	4,365
Finance	\$21,236,277	\$11,215,930	\$6,531,068	63
Insurance	\$29,172,807	\$17,460,741	\$10,438,719	135
Real Estate	\$291,188,189	\$28,601,732	\$4,608,359	44
Hotels, Lodging Places, Amusements	\$24,774,580	\$13,048,793	\$8,560,459	225
Personal Services	\$69,066,393	\$42,959,431	\$33,423,133	606
Business Services	\$65,138,539	\$38,344,121	\$31,278,977	410
Eating & Drinking Places	\$135,451,986	\$79,326,342	\$42,205,850	2,054
Health Services	\$86,487,156	\$61,300,217	\$51,829,901	921
Miscellaneous Services	\$61,849,970	\$24,199,868	\$20,979,270	539
Households	\$1,970,878	\$1,970,878	\$1,929,175	144
Total	\$1,660,137,336	\$797,094,741	\$492,388,911	11,202

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Potential Annual Fuel Diversity Benefits Associated with the Availability of the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming Generation Switching Capacity in a Competitive Market on Business Activity in Texas—Case I Average Fuel Prices Over the 2003-2009 Period—Industrial Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$21,486,187	\$5,294,981	\$3,606,176	62
Forestry & Fishery Products	\$535,248	\$277,317	\$102,851	1
Coal Mining	\$1,401,116	\$403,376	\$425,064	3
Crude Petroleum & Natural Gas	\$93,534,922	\$20,500,473	\$9,454,791	49
Miscellaneous Mining	\$1,744,471	\$766,997	\$450,874	5
New Construction	\$7,697,853	\$3,325,911	\$2,740,756	42
Maintenance & Repair Construction	\$16,746,797	\$9,084,031	\$7,485,810	114
Food Products & Tobacco	\$23,116,104	\$5,513,768	\$2,816,699	50
Textile Mill Products	\$515,815	\$126,526	\$107,050	2
Apparel	\$3,633,653	\$2,011,128	\$1,019,066	30
Paper & Allied Products	\$5,363,662	\$2,475,385	\$1,119,104	18
Printing & Publishing	\$4,479,276	\$2,259,824	\$1,475,039	27
Chemicals & Petroleum Refining	\$65,605,521	\$12,679,236	\$5,953,637	47
Rubber & Leather Products	\$5,608,757	\$2,345,860	\$1,371,377	29
Lumber Products & Furniture	\$3,596,456	\$1,237,565	\$882,316	19
Stone, Clay, & Glass Products	\$5,242,761	\$2,663,843	\$1,393,200	24
Primary Metal	\$7,571,660	\$2,003,959	\$1,491,649	24
Fabricated Metal Products	\$8,988,130	\$3,422,524	\$2,209,589	40
Machinery, Except Electrical	\$10,076,282	\$4,124,293	\$2,946,413	33
Electric & Electronic Equipment	\$10,155,244	\$5,867,098	\$3,507,550	31
Motor Vehicles & Equipment	\$2,401,746	\$587,307	\$381,552	5
Transp. Equip., Exc. Motor Vehicles	\$2,508,576	\$1,253,169	\$818,900	10
Instruments & Related Products	\$1,294,997	\$574,668	\$436,802	6
Miscellaneous Manufacturing	\$1,456,527	\$566,498	\$390,721	6
Transportation	\$21,595,605	\$13,223,887	\$8,745,806	130
Communication	\$11,706,069	\$7,201,453	\$3,074,531	29
Electric, Gas, Water, Sanitary Services	\$43,484,063	\$9,191,173	\$4,010,784	18
Wholesale Trade	\$16,241,070	\$10,986,166	\$6,334,721	76
Retail Trade	\$32,004,654	\$26,522,998	\$15,859,907	447
Finance	\$5,600,190	\$3,076,822	\$1,791,643	17
Insurance	\$6,390,088	\$3,827,553	\$2,288,261	29
Real Estate	\$44,728,200	\$8,979,570	\$1,446,804	13
Hotels, Lodging Places, Amusements	\$3,363,286	\$1,746,150	\$1,145,532	30
Personal Services	\$6,514,260	\$4,004,336	\$3,115,440	56
Business Services	\$14,581,766	\$8,748,176	\$7,136,267	93
Eating & Drinking Places	\$15,427,190	\$9,036,790	\$4,808,056	234
Health Services	\$10,899,211	\$7,623,058	\$6,445,369	115
Miscellaneous Services	\$9,748,222	\$4,044,779	\$3,506,488	90
Households	\$486,934	\$486,934	\$476,630	35
Total	\$547,532,569	\$208,065,584	\$122,773,225	2,090

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group



The Potential Annual Fuel Diversity Benefits Associated with the Availability of the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming Generation Switching Capacity in a Competitive Market on Business Activity in Texas—Case II Average Fuel Prices in 2008—Industrial Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$52,538,222	\$12,947,337	\$8,817,855	150
Forestry & Fishery Products	\$1,308,793	\$678,099	\$251,492	3
Coal Mining	\$3,426,021	\$986,339	\$1,039,371	7
Crude Petroleum & Natural Gas	\$228,712,449	\$50,127,944	\$23,118,942	121
Miscellaneous Mining	\$4,265,597	\$1,875,469	\$1,102,482	12
New Construction	\$18,822,862	\$8,132,547	\$6,701,722	102
Maintenance & Repair Construction	\$40,949,423	\$22,212,356	\$18,304,370	278
Food Products & Tobacco	\$56,523,709	\$13,482,317	\$6,887,419	123
Textile Mill Products	\$1,261,276	\$309,383	\$261,759	6
Apparel	\$8,885,042	\$4,917,629	\$2,491,829	72
Paper & Allied Products	\$13,115,275	\$6,052,833	\$2,736,443	44
Printing & Publishing	\$10,952,767	\$5,525,741	\$3,606,778	65
Chemicals & Petroleum Refining	\$160,419,221	\$31,003,384	\$14,557,888	115
Rubber & Leather Products	\$13,714,584	\$5,736,119	\$3,353,304	71
Lumber Products & Furniture	\$8,794,086	\$3,026,106	\$2,157,446	47
Stone, Clay, & Glass Products	\$12,819,647	\$6,513,654	\$3,406,666	59
Primary Metal	\$18,514,294	\$4,900,098	\$3,647,394	58
Fabricated Metal Products	\$21,977,859	\$8,368,787	\$5,402,906	99
Machinery, Except Electrical	\$24,638,617	\$10,084,758	\$7,204,596	81
Electric & Electronic Equipment	\$24,831,696	\$14,346,282	\$8,576,693	76
Motor Vehicles & Equipment	\$5,872,771	\$1,436,090	\$932,975	13
Transp. Equip., Exc. Motor Vehicles	\$6,133,994	\$3,064,260	\$2,002,382	24
Instruments & Related Products	\$3,166,538	\$1,405,184	\$1,068,071	14
Miscellaneous Manufacturing	\$3,561,513	\$1,385,206	\$955,395	15
Transportation	\$52,805,771	\$32,335,171	\$21,385,325	318
Communication	\$28,623,788	\$17,609,059	\$7,517,871	71
Electric, Gas, Water, Sanitary Services	\$106,327,631	\$22,474,340	\$9,807,206	43
Wholesale Trade	\$39,712,813	\$26,863,474	\$15,489,719	186
Retail Trade	\$78,258,073	\$64,854,278	\$38,780,790	1,094
Finance	\$13,693,636	\$7,523,473	\$4,380,941	41
Insurance	\$15,625,102	\$9,359,168	\$5,595,276	72
Real Estate	\$109,369,805	\$21,956,927	\$3,537,739	32
Hotels, Lodging Places, Amusements	\$8,223,937	\$4,269,702	\$2,801,066	73
Personal Services	\$15,928,729	\$9,791,438	\$7,617,902	138
Business Services	\$35,655,468	\$21,391,120	\$17,449,666	229
Eating & Drinking Places	\$37,722,707	\$22,096,843	\$11,756,703	572
Health Services	\$26,650,851	\$18,639,971	\$15,760,274	280
Miscellaneous Services	\$23,836,443	\$9,890,331	\$8,574,097	220
Households	\$1,190,655	\$1,190,655	\$1,165,461	86
Total	\$1,338,831,661	\$508,763,875	\$300,206,216	5,110

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

The Potential Annual Fuel Diversity Benefits Associated with the Availability of the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming Generation Switching Capacity in a Competitive Market on Business Activity in Texas—Case I Average Fuel Prices Over the 2003-2009 Period—Commercial Detailed Industrial Category

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$11,030,649	\$2,942,971	\$2,004,327	35
Forestry & Fishery Products	\$268,671	\$277,758	\$103,015	1
Coal Mining	\$844,771	\$241,134	\$254,099	2
Crude Petroleum & Natural Gas	\$6,437,129	\$1,410,376	\$650,464	3
Miscellaneous Mining	\$208,123	\$80,203	\$47,147	1
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$13,571,640	\$6,964,132	\$5,738,880	87
Food Products & Tobacco	\$22,738,339	\$5,841,286	\$2,984,008	54
Textile Mill Products	\$288,706	\$70,568	\$59,707	1
Apparel	\$4,167,068	\$2,306,489	\$1,168,733	34
Paper & Allied Products	\$3,613,251	\$1,601,401	\$723,981	12
Printing & Publishing	\$5,945,503	\$2,982,129	\$1,946,504	36
Chemicals & Petroleum Refining	\$18,409,454	\$2,976,787	\$1,397,775	11
Rubber & Leather Products	\$2,982,731	\$1,278,931	\$747,657	16
Lumber Products & Furniture	\$1,220,697	\$428,375	\$305,407	7
Stone, Clay, & Glass Products	\$1,474,465	\$828,968	\$433,554	8
Primary Metal	\$1,100,234	\$306,710	\$228,299	4
Fabricated Metal Products	\$2,848,821	\$1,014,830	\$655,175	12
Machinery, Except Electrical	\$1,710,711	\$694,311	\$496,018	6
Electric & Electronic Equipment	\$1,777,795	\$932,287	\$557,353	5
Motor Vehicles & Equipment	\$1,423,180	\$306,720	\$199,266	3
Transp. Equip., Exc. Motor Vehicles	\$635,733	\$269,318	\$175,990	2
Instruments & Related Products	\$603,718	\$238,305	\$181,133	2
Miscellaneous Manufacturing	\$1,287,442	\$509,741	\$351,575	6
Transportation	\$15,998,235	\$10,996,284	\$7,272,550	108
Communication	\$12,931,164	\$7,967,090	\$3,401,408	32
Electric, Gas, Water, Sanitary Services	\$24,734,553	\$5,654,153	\$2,467,322	11
Wholesale Trade	\$41,199,121	\$27,874,360	\$16,072,605	193
Retail Trade	\$84,062,036	\$69,652,503	\$41,649,971	1,175
Finance	\$15,722,500	\$7,564,077	\$4,404,583	42
Insurance	\$13,631,752	\$8,794,125	\$5,257,474	68
Real Estate	\$120,457,298	\$34,557,949	\$5,568,034	53
Hotels, Lodging Places, Amusements	\$18,754,911	\$9,414,405	\$6,176,174	162
Personal Services	\$13,641,033	\$8,337,643	\$6,486,821	118
Business Services	\$41,603,470	\$26,708,415	\$21,787,222	285
Eating & Drinking Places	\$44,165,998	\$25,861,046	\$13,759,457	670
Health Services	\$40,030,941	\$27,009,937	\$22,837,151	406
Miscellaneous Services	\$28,396,645	\$12,911,206	\$11,192,939	288
Households	\$760,154	\$760,154	\$744,069	55
Total	\$620,678,640	\$318,567,074	\$190,487,848	4,015

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Potential Annual Fuel Diversity Benefits Associated with the Availability of
the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming
Generation Switching Capacity in a Competitive Market on Business Activity in
Texas—Case II Average Fuel Prices in 2008—Commercial
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$26,972,245	\$7,196,179	\$4,900,999	84
Forestry & Fishery Products	\$656,956	\$679,176	\$251,894	3
Coal Mining	\$2,065,643	\$589,623	\$621,326	4
Crude Petroleum & Natural Gas	\$15,740,127	\$3,448,663	\$1,590,520	8
Miscellaneous Mining	\$508,905	\$196,113	\$115,283	1
New Construction	\$0	\$0	\$0	0
Maintenance & Repair Construction	\$33,185,499	\$17,028,759	\$14,032,761	213
Food Products & Tobacco	\$55,599,995	\$14,283,167	\$7,296,523	131
Textile Mill Products	\$705,947	\$172,554	\$145,996	3
Apparel	\$10,189,352	\$5,639,848	\$2,857,798	84
Paper & Allied Products	\$8,835,154	\$3,915,761	\$1,770,285	29
Printing & Publishing	\$14,537,998	\$7,291,930	\$4,759,609	87
Chemicals & Petroleum Refining	\$45,014,965	\$7,278,866	\$3,417,853	27
Rubber & Leather Products	\$7,293,402	\$3,127,253	\$1,828,178	39
Lumber Products & Furniture	\$2,984,858	\$1,047,466	\$746,783	17
Stone, Clay, & Glass Products	\$3,605,374	\$2,027,000	\$1,060,131	19
Primary Metal	\$2,690,301	\$749,970	\$558,239	9
Fabricated Metal Products	\$6,965,964	\$2,481,472	\$1,602,040	29
Machinery, Except Electrical	\$4,183,046	\$1,697,735	\$1,212,869	14
Electric & Electronic Equipment	\$4,347,082	\$2,279,636	\$1,362,844	12
Motor Vehicles & Equipment	\$3,479,974	\$749,996	\$487,246	7
Transp. Equip., Exc. Motor Vehicles	\$1,554,500	\$658,538	\$430,332	5
Instruments & Related Products	\$1,476,216	\$582,705	\$442,908	6
Miscellaneous Manufacturing	\$3,148,066	\$1,246,424	\$859,674	15
Transportation	\$39,119,031	\$26,888,214	\$17,782,906	265
Communication	\$31,619,401	\$19,481,202	\$8,317,153	79
Electric, Gas, Water, Sanitary Services	\$60,481,156	\$13,825,586	\$6,033,120	27
Wholesale Trade	\$100,740,469	\$68,158,641	\$39,300,882	473
Retail Trade	\$205,549,261	\$170,314,939	\$101,842,891	2,874
Finance	\$38,444,801	\$18,495,750	\$10,770,128	103
Insurance	\$33,332,485	\$21,503,475	\$12,855,624	167
Real Estate	\$294,543,289	\$84,501,414	\$13,615,009	130
Hotels, Lodging Places, Amusements	\$45,859,680	\$23,020,190	\$15,102,038	396
Personal Services	\$33,355,179	\$20,387,281	\$15,861,634	288
Business Services	\$101,729,188	\$65,307,661	\$53,274,315	698
Eating & Drinking Places	\$107,995,102	\$63,235,667	\$33,644,751	1,637
Health Services	\$97,884,023	\$66,044,945	\$55,841,611	993
Miscellaneous Services	\$69,435,737	\$31,570,599	\$27,369,077	704
Households	\$1,858,735	\$1,858,735	\$1,819,405	135
Total	\$1,517,689,106	\$778,963,133	\$465,782,634	9,816

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Potential Annual Fuel Diversity Benefits Associated with the Availability of
the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming
Generation Switching Capacity in a Competitive Market on Business Activity in
Texas—Case I Average Fuel Prices Over the 2003-2009 Period—Total
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$45,068,489	\$11,650,661	\$7,934,749	136
Forestry & Fishery Products	\$1,120,891	\$887,486	\$329,152	4
Coal Mining	\$3,942,137	\$1,134,448	\$1,195,442	8
Crude Petroleum & Natural Gas	\$109,053,200	\$23,894,571	\$11,020,146	58
Miscellaneous Mining	\$2,171,071	\$941,099	\$553,218	6
New Construction	\$7,697,853	\$3,325,911	\$2,740,756	42
Maintenance & Repair Construction	\$46,729,620	\$24,458,242	\$20,155,118	306
Food Products & Tobacco	\$71,519,308	\$17,956,507	\$9,173,044	165
Textile Mill Products	\$1,141,987	\$274,051	\$231,870	5
Apparel	\$12,479,289	\$6,904,590	\$3,498,658	102
Paper & Allied Products	\$13,024,511	\$5,867,977	\$2,652,869	43
Printing & Publishing	\$16,122,022	\$8,126,786	\$5,304,538	97
Chemicals & Petroleum Refining	\$105,304,692	\$18,879,905	\$8,865,213	70
Rubber & Leather Products	\$11,683,871	\$4,954,587	\$2,896,427	62
Lumber Products & Furniture	\$6,095,289	\$2,114,244	\$1,507,340	33
Stone, Clay, & Glass Products	\$8,377,448	\$4,412,963	\$2,307,998	40
Primary Metal	\$10,008,863	\$2,680,556	\$1,995,275	32
Fabricated Metal Products	\$15,218,874	\$5,651,731	\$3,648,767	67
Machinery, Except Electrical	\$13,877,228	\$5,656,475	\$4,041,011	46
Electric & Electronic Equipment	\$13,959,483	\$7,866,422	\$4,702,814	42
Motor Vehicles & Equipment	\$5,456,393	\$1,261,353	\$819,456	12
Transp. Equip., Exc. Motor Vehicles	\$3,853,284	\$1,825,969	\$1,193,204	15
Instruments & Related Products	\$2,469,199	\$1,046,921	\$795,756	10
Miscellaneous Manufacturing	\$4,052,184	\$1,592,361	\$1,098,271	18
Transportation	\$56,794,645	\$37,419,359	\$24,747,828	368
Communication	\$44,661,043	\$27,540,781	\$11,758,044	112
Electric, Gas, Water, Sanitary Services	\$116,985,793	\$25,792,523	\$11,255,172	51
Wholesale Trade	\$78,051,343	\$52,808,130	\$30,449,639	366
Retail Trade	\$243,739,221	\$201,969,871	\$120,771,528	3,408
Finance	\$30,007,541	\$15,227,799	\$8,867,191	85
Insurance	\$31,952,438	\$19,762,474	\$11,814,784	153
Real Estate	\$284,270,684	\$55,234,568	\$8,899,487	84
Hotels, Lodging Places, Amusements	\$32,250,082	\$16,497,028	\$10,822,618	283
Personal Services	\$48,400,890	\$29,910,795	\$23,271,085	422
Business Services	\$82,824,487	\$51,137,916	\$41,715,432	546
Eating & Drinking Places	\$114,988,034	\$67,339,373	\$35,828,143	1,743
Health Services	\$86,300,196	\$59,702,513	\$50,479,030	897
Miscellaneous Services	\$63,439,215	\$26,852,835	\$23,279,171	598
Households	\$2,053,103	\$2,053,103	\$2,009,661	149
Total	\$1,847,145,900	\$852,614,889	\$514,629,903	10,686

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

**The Potential Annual Fuel Diversity Benefits Associated with the Availability of the Proposed Units 3 and 4 of the South Texas Project (STP) Assuming Generation Switching Capacity in a Competitive Market on Business Activity in Texas—Case II
Average Fuel Prices in 2008—Total
Detailed Industrial Category**

Category	Total Expenditures (2009 Dollars)	Gross Product (2009 Dollars)	Personal Income (2009 Dollars)	Employment (Permanent Jobs)
Agricultural Products & Services	\$110,201,883	\$28,488,304	\$19,402,121	333
Forestry & Fishery Products	\$2,740,814	\$2,170,089	\$804,845	11
Coal Mining	\$9,639,348	\$2,773,962	\$2,923,106	20
Crude Petroleum & Natural Gas	\$266,657,885	\$58,427,225	\$26,946,562	141
Miscellaneous Mining	\$5,308,723	\$2,301,183	\$1,352,734	15
New Construction	\$18,822,862	\$8,132,547	\$6,701,722	102
Maintenance & Repair Construction	\$114,263,695	\$59,805,519	\$49,283,481	748
Food Products & Tobacco	\$174,879,668	\$43,907,415	\$22,430,012	403
Textile Mill Products	\$2,792,396	\$670,113	\$566,971	13
Apparel	\$30,514,473	\$16,883,168	\$8,554,950	250
Paper & Allied Products	\$31,847,653	\$14,348,430	\$6,486,820	105
Printing & Publishing	\$39,421,717	\$19,871,692	\$12,970,706	236
Chemicals & Petroleum Refining	\$257,491,999	\$46,165,318	\$21,677,301	172
Rubber & Leather Products	\$28,569,509	\$12,115,002	\$7,082,370	151
Lumber Products & Furniture	\$14,904,255	\$5,169,770	\$3,685,760	82
Stone, Clay, & Glass Products	\$20,484,612	\$10,790,617	\$5,643,538	98
Primary Metal	\$24,473,764	\$6,554,521	\$4,878,864	78
Fabricated Metal Products	\$37,213,330	\$13,819,666	\$8,921,999	164
Machinery, Except Electrical	\$33,932,724	\$13,831,265	\$9,881,116	112
Electric & Electronic Equipment	\$34,133,855	\$19,235,048	\$11,499,364	102
Motor Vehicles & Equipment	\$13,342,023	\$3,084,272	\$2,003,741	29
Transp. Equip., Exc. Motor Vehicles	\$9,422,084	\$4,464,877	\$2,917,635	36
Instruments & Related Products	\$6,037,709	\$2,559,942	\$1,945,790	26
Miscellaneous Manufacturing	\$9,908,437	\$3,893,656	\$2,685,501	45
Transportation	\$138,874,788	\$91,498,160	\$60,513,615	900
Communication	\$109,205,593	\$67,342,971	\$28,750,877	273
Electric, Gas, Water, Sanitary Services	\$286,054,735	\$63,068,114	\$27,521,250	124
Wholesale Trade	\$190,851,859	\$129,126,923	\$74,455,737	896
Retail Trade	\$595,993,381	\$493,858,581	\$295,311,648	8,333
Finance	\$73,374,714	\$37,235,154	\$21,682,137	207
Insurance	\$78,130,394	\$48,323,384	\$28,889,619	374
Real Estate	\$695,101,284	\$135,060,073	\$21,761,107	206
Hotels, Lodging Places, Amusements	\$78,858,197	\$40,338,685	\$26,463,564	693
Personal Services	\$118,350,301	\$73,138,151	\$56,902,669	1,031
Business Services	\$202,523,195	\$125,042,902	\$102,002,958	1,336
Eating & Drinking Places	\$281,169,796	\$164,658,852	\$87,607,303	4,263
Health Services	\$211,022,030	\$145,985,133	\$123,431,787	2,194
Miscellaneous Services	\$155,122,150	\$65,660,798	\$56,922,443	1,463
Households	\$5,020,267	\$5,020,267	\$4,914,041	365
Total	\$4,516,658,102	\$2,084,821,750	\$1,258,377,760	26,129

SOURCE: US Multi-Regional Impact Assessment System, The Perryman Group

