



The Economic Impact of the Oil and Natural Gas Industry in Louisiana

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Submitted to:
The Louisiana Mid-Continent Oil &
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&
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Submitted by:
ICF

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Executive Summary

ES.1. Introduction

ICF was asked by the American Petroleum Institute (API) and the Louisiana Mid-Continent Oil and Gas Association (LMOGA) to prepare this report highlighting:

- Production volumes and revenues generated by oil and gas extraction operations in the state,
- The oil and gas industry's (defined to include all supply chain segments) historical contributions to Louisiana's economy in terms of GDP, employment, wages, tax revenues, etc., and
- Indirect and induced impacts of the oil and gas industry on the Louisiana economy.

ES.2. Study Methodology and Scope

The study reviews statistics for oil and gas production, GDP, employment, wages, and tax revenues. The report then estimates the historical economic impacts of the oil and gas industry on Louisiana considering the following items:

- The level of oil and gas production,
- Commodity prices in the state,
- The oil and gas industry's contributions to state GDP,
- The number of jobs and wages in the state that are supported by oil and gas economic activity, and
- State and local tax revenues derived from oil and gas economic activity.

To fully characterize economic impacts, ICF also estimated the indirect and induced impacts on state GDP, jobs, and wages using the IMPLAN model of the Louisiana economy.

ES.3. Key Findings of the Study

The conclusion of the study is that Louisiana's economy receives significant contributions from oil and gas industry activity in the state. State GDP is heavily influenced by oil and gas industry generated income. Oil and gas operations support approximately one out of every nine of the state's jobs, many of which provide annual wages which are significantly above the state average. Oil and gas activity also supports Louisiana residents and businesses through indirect and induced economic impacts, further reinforcing the importance of the industry to the state's economy.

The specific findings of this study are summarized in Exhibit ES-1 and discussed below:

- In 2019, the oil and gas industry in Louisiana contributed \$73.0 billion to state GDP from the production, processing, transportation, distribution and retailing of crude oil, natural gas, natural gas liquids and petroleum products. The state income generated by this activity within the state represents approximately 26% of total state GDP. These values include direct, indirect, and induced impacts.

- In the eleven economic sectors representing “direct” oil and gas activity, there were a total of 94,200 private sector employees paid wages or salaries in the state in 2019. Additionally, there were 50,800 “indirect” employees paid wages or salaries in sectors that provided intermediate goods and services to the eleven direct oil and gas sectors. The spending of income earned in the direct and indirect sectors led to 84,100 “induced” jobs in Louisiana in 2019. Therefore, there were a total of 229,100 private sector employees paid wages or salaries in 2019 that were supported by oil and gas activity. In other words, for every direct employee in the oil and gas industry in the state, there are 1.43 additional employees supporting the state economy through indirect and induced effects.
- In addition to employees being paid salaries and wages, there were also approximately 20,700 jobs among sole proprietorships, partnerships, independent contractors, on-call workers, temporary help agency workers, and workers provided by contract firms in the oil and gas industry. Altogether, a total of 249,800 jobs were directly provided or supported by the industry in 2019, or 11% of the non-farm private employee state total.
- The oil and gas industry accounted for \$4.5 billion of state and local tax revenue in 2019, including direct state taxes of upstream operations (severance, royalties, conservation fees, etc.), corporate and personal income taxes, ad valorem property taxes paid by energy industries, sales and other taxes from oil and gas worker spending, and federal revenue sharing from qualified offshore production volumes.

Exhibit ES-1: Summary of Key Results of Oil and Gas Economic Activity in Louisiana

		2015	2016	2017	2018	2019
Production Volumes	Dry Natural Gas (billion cubic feet, incl. Offshore)	2,811	2,705	2,925	3,500	3,812
	Crude Oil (million barrels, incl. Offshore)	618	642	666	690	738
	Natural Gas Liquids (million barrels, incl. Offshore)	81	82	83	81	102
Value of Output (Million 2019\$)	Extraction Operations (incl. Offshore)	\$ 41,301	\$ 35,436	\$ 45,079	\$ 60,096	\$ 55,520
	LNG Exports	\$ -	\$ 1,186	\$ 4,470	\$ 6,353	\$ 7,067
State GDP/Value added (Million 2019\$)	Total O/G LA Income (direct & indirect)	\$ 51,843	\$ 38,743	\$ 49,880	\$ 56,011	\$ 55,739
	Total O/G LA Income (induced)	\$ 16,071	\$ 12,010	\$ 15,463	\$ 17,363	\$ 17,279
	Total O/G LA D, I, & Induced Income	\$ 67,915	\$ 50,754	\$ 65,343	\$ 73,375	\$ 73,018
	State GDP (Million 2019\$)	\$ 258,021	\$ 249,063	\$ 258,379	\$ 274,098	\$ 276,730
	State Non Energy GDP (Million 2019\$)	\$ 190,106	\$ 198,309	\$ 193,036	\$ 200,723	\$ 203,713
	ICF LA O/G Income D, I, & Induced Income % of LA GDP	26%	20%	25%	27%	26%
"Wages & Salary" Jobs/Wages	Oil and gas Sector Jobs	110,958	97,291	95,025	96,380	94,173
	Direct and Indirect Jobs	170,875	149,828	146,338	148,426	145,027
	Induced Jobs	99,108	86,900	84,876	86,087	84,116
	Total Direct, Indirect, and Induced Jobs	269,983	236,728	231,215	234,512	229,142
	Total Direct, Indirect, and Induced Wages (Million 2019\$)	\$ 13,536	\$ 11,855	\$ 11,265	\$ 11,411	\$ 11,246
Other Jobs (Jobs/Wages)	Sole Proprietorships, Partnerships, and Independent Contractors	19,490	27,508	21,321	19,301	20,696
	Sole Proprietorships, Partnerships, and Independent Contractor Wages (Million 2019\$)	\$ 3,559	\$ 3,951	\$ 2,985	\$ 3,052	\$ 3,260
Tax Revenues (Million 2019\$)	Direct State Revenues Attributed to O&G Operations	\$ 3,394	\$ 2,728	\$ 2,725	\$ 2,791	\$ 2,865
	Local Revenues Attributed to All O&G Segments	\$ 1,672	\$ 1,515	\$ 1,572	\$ 1,598	\$ 1,525
	State Revenues from Federal Revenue Sharing	\$ 16	\$ 8	\$ 9	\$ 93	\$ 101
	Sum of State and Local Tax Revenues	\$ 5,081	\$ 4,251	\$ 4,306	\$ 4,481	\$ 4,491

Source: Data from Energy Information Administration, Department of Energy, Bureau of Economic Analysis, Bureau of Labor statistics, Louisiana Department of Revenue, and ICF analysis.

COVID-19 Update

ICF performed this analysis primarily using annual data through 2019. At the time of writing the report in the summer of 2020, the economic impacts of COVID-19 are already being felt across the oil and gas industry. The collapse in oil and gas prices have led to reduced drilling activity, less investment, and higher unemployment. Drilling rigs in Louisiana have dropped from 55 at the beginning of 2020 to 31 as recently as August. Unemployment across the oil and gas industry has also risen, with claims increasing substantially over the course of the first half of 2020. The effect of COVID-19 on the industry has been significant, and the lasting impacts are still not yet clear. Additional time and effort outside of this study would be required to characterize the effects of this event on the industry in Louisiana and in turn on the state economy.

1. Introduction

1.1 Purpose of Report

ICF prepared this report at the request of the American Petroleum Institute (API) and the Louisiana Mid-Continent Oil and Gas Association (LMOGA). The report presents historical oil and gas industry data for Louisiana in order to demonstrate the economic significance of the industry to the state. The report highlights:

- Production volumes and revenues generated by oil and gas extraction operations,
- The oil and gas industry's historical contributions to Louisiana's economy in terms of GDP, employment, wages, tax revenues, etc.
- Indirect and induced impacts of the oil and gas industry on the Louisiana economy.

Louisiana has significant onshore reserves of crude oil and natural gas, while also receiving and processing significant production volumes from the state and federal offshore. In 2019, Louisiana supported the production of 738 million barrels of crude oil and lease condensate, 3.81 trillion cubic feet of dry (pipeline quality) natural gas, and 102.4 million barrels of natural gas plant liquids including onshore and state water production and federal Gulf of Mexico operations. At the point of first sale, these production volumes amounted to a total value of \$55.5 billion. LNG export terminal operations resulted in an additional \$7.1 billion in 2019 output, counting the delivered value of feedstock natural gas, liquefaction, and terminalling service fees. Across the state, the oil and gas industry including refining, transportation, distribution and retailing contributed an estimated direct, indirect and induced income in the state of \$73.0 billion or 26% of total state income.

1.2 Background

In April of 2018, LMOGA published a report entitled "The Energy Sector: Still a Giant Economic Engine for the Louisiana Economy – An Update" which calculated the economic impact of employment and wages from the oil and gas industry on the state economy. The 2018 LMOGA report determined oil and gas industries supported \$72.8 billion in sales in Louisiana firms, generated over \$19.2 billion in household earnings, and supported 262,520 jobs in the state in the year of 2015.

ICF has been tasked to review the 2018 report's data and assumptions, to update all economic estimates to the latest available year and to expand the analysis to include impacts from LNG operations. This new report displays, documents and discusses the results of those efforts.

1.3 Methodology and Scope

The study uses data from the Louisiana state government, the federal government, and other sources to characterize the economic contributions of the oil and gas value chain in the state. The economic contributions are measured in terms of the value of output, contributions to state GDP (or income), number of jobs supported, and tax revenue to state and local governments.

The report presents information on:

- A **profile** of the current oil and gas industry in Louisiana. This will include statistics such as production volumes, refinery capacities, and pipeline miles for both onshore and offshore in state regulated waters.
- The **contributions to state income**. The majority of the economic activity related to Louisiana's oil and gas value chain stays in the state to contribute to income in the forms of employee compensation, lease bonus and rent payments, production royalty payments, severance taxes, property taxes and state income taxes.
- **State and local tax revenues** derived from oil and gas economic activity. These change along with the value of oil and gas production and state income.
- The **number of jobs** in the state that are supported by oil and gas economic activity. Jobs are affected by the value of output in each part of the value chain.
- A **discussion of infrastructure changes** which pertain to Louisiana oil and gas operations, including the recent construction and operation of several LNG export facilities in the state.

The report's estimates of the direct, indirect and induced impacts on income and jobs come from the aforementioned state and federal data sources and ICF analysis of the Louisiana economy using the IMPLAN model. IMPLAN, a widely used economic impact analysis system, assesses economic benefits that result from the oil and gas activity discussed above. IMPLAN considers both multiplier effects and leakage to markets elsewhere, as it estimates impacts across three different categories:

- **Direct Employment and Investment** – represents economic impacts (e.g., employment or output changes) due to the direct investments, such as payments to companies in the relevant industries for asset categories that apply directly to this study.
- **Indirect Employment and Expenditures** – represents economic impacts due to the industry inter-linkages caused by the iteration of industries purchasing from other industries, brought about by changes in final demands (e.g., when pipeline manufacturers purchase steel from another company).
- **Induced Employment and Expenditures** – represents the economic impacts on local industries due to consumers' consumption expenditures arising from the new household incomes that are generated by the direct and indirect effects of the final demand changes (e.g., a worker purchases new clothing or purchases food in restaurants).

Information presented here illustrates the significance of the oil and gas industry to the Louisiana economy. These operations provide a significant source of tax revenue in the state, employment opportunities and local wages for the state's residents, and sales for the state's businesses in related sectors.

1.4 Organization of Report

The next section of this report, Chapter 2, characterizes the oil and gas industry in Louisiana. Topics covered include oil and gas resources, drilling activity, and historic production of crude oil, natural gas, and natural gas liquids (NGLs). A brief discussion of certain relevant supporting infrastructure (refineries, LNG export terminals) is also included. Chapter 3 presents the economic impact methodology and results including value of output, state GDP (value added,

state income), jobs, wages, and state and local tax revenues. The final section of the main report, Chapter 4, summarizes the key conclusions of the report.

2. Characteristics of the Oil and Gas Industry in Louisiana

2.1 Introduction

Louisiana has significant reserves of crude oil and natural gas, providing opportunities to operators within the state to produce fuels and other useful petroleum products for consumers. Louisiana was the 9th largest producer of crude oil and 4th largest producer of natural gas in the U.S. in 2018.¹ Production occurs throughout the state, with significant new volumes sourced from the centrally located Tuscaloosa Marine Shale and the Haynesville-Bossier Shale, a dry-gas producing play found in the northwest.² After extraction, crude oil and natural gas are processed and shipped from Louisiana to local and other markets in the US and abroad. Louisiana also has 17 refineries, which together account for 18% of the total US capacity. Two LNG export terminals currently operate in Louisiana with an additional facility under construction and several others in various stages of planning.

Louisiana also supports significant additional volumes of production from the federal waters of the Gulf of Mexico. Many large offshore oil production fields deliver the majority of volumes produced in federal waters via pipeline to Louisiana's onshore gas processing facilities, refineries or storage.

Together across all products, there are over 93,000 miles of pipelines in operation supporting the Louisiana oil and gas industry, over 80,000 of which are found onshore and approximately 13,000 of which are found offshore in the Gulf Mexico.³

This chapter describes oil and gas industry statistics in Louisiana, including maps of supporting infrastructure. It also includes historic well characteristics and current reserve volumes, detailing the status of oil and gas production operations throughout the state.

2.2 State Oil and Gas Resources and Drilling Activity

In 2019, Louisiana supported the production of 738 million barrels of crude oil and lease condensate, 3.81 trillion cubic feet of dry (pipeline quality) natural gas, and 102.4 million barrels of natural gas plant liquids including onshore and state water production and federal Gulf of Mexico operations. At the point of first sale, these production volumes amounted to a total value of \$55.5 billion. Production occurs throughout the state, with producing basins shown in Exhibit 2-1. The Haynesville Shale in the northwest portion of the state is the primarily play, producing significant volumes of dry natural gas. The centrally located Tuscaloosa Marine Shale produces volumes of both oil and gas. Exhibit 2-2 shows estimates of remaining reserves in Louisiana at the end of 2018 as published by the U.S. Department of Energy's Energy Information

¹ U.S. Energy Information Administration (EIA); https://www.eia.gov/state/seds/sep_prod/pdf/P4.pdf

² U.S. Department of Energy (DOE); <https://www.energy.gov/sites/prod/files/2019/08/f66/Louisiana.pdf>

³ U.S. Pipeline and Hazardous Materials Safety Administration (PHMSA); <https://www.phmsa.dot.gov/data-and-statistics/pipeline/pipeline-mileage-and-facilities>

Administration. Remaining reserves represent the quantities which can be reasonably be recovered in future years under existing economic and operating conditions.

Exhibit 2-1: Geologic Basins in Louisiana



Source: Energy Information Administration (EIA)

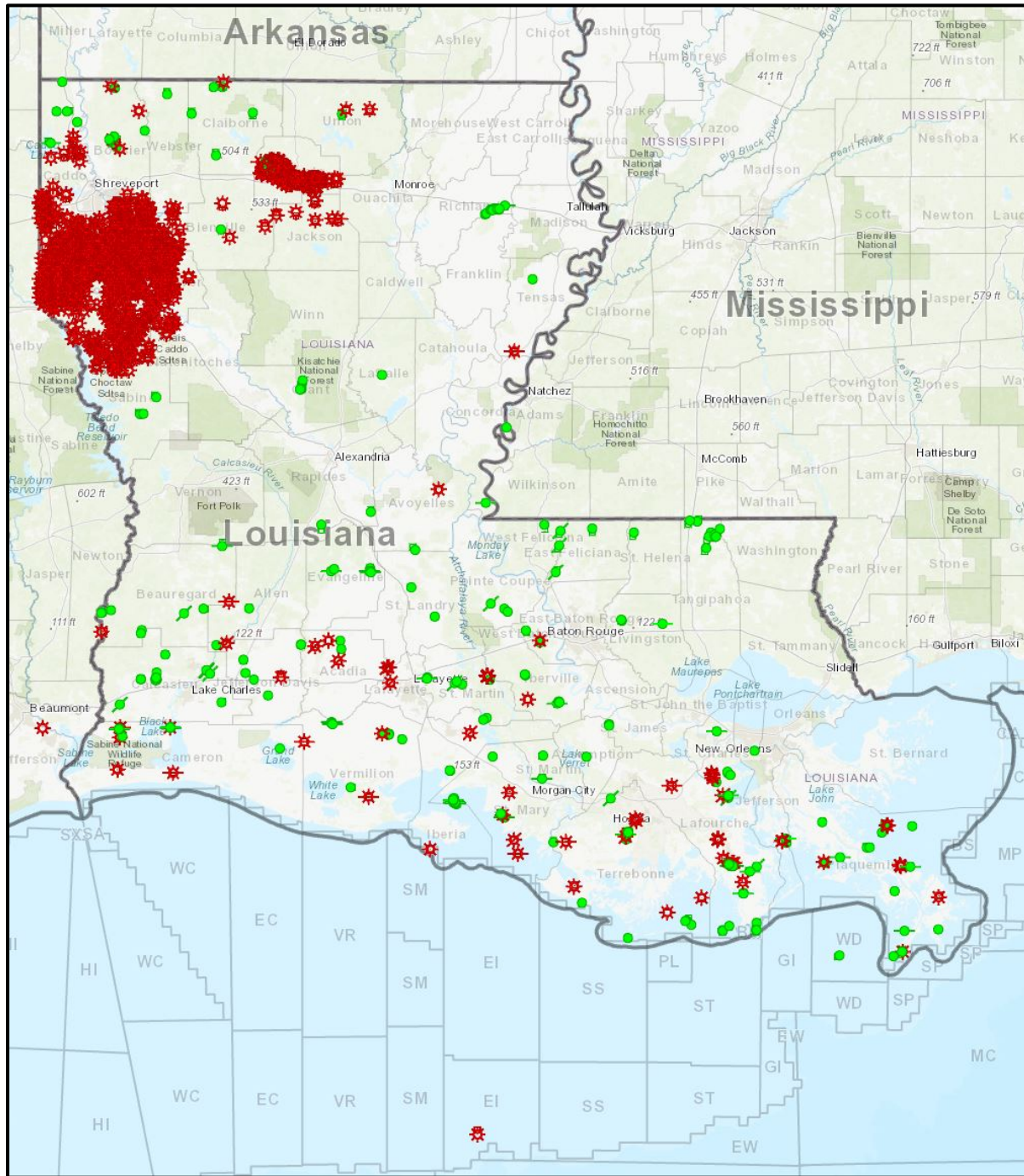
Exhibit 2-2: 2018 Oil and Gas Reserves in Louisiana State Onshore and State and Federal Waters

Resource (reserves 12/31/2018)	Onshore and in State Waters	Federal Offshore Waters	Total
Crude Oil (million barrels)	412	5,033	5,445
Lease Condensate (million barrels)	72	158	230
Wet Associated-dissolved Natural Gas (Bcf)	1,408	4,443	5,851
Wet Non-associated Natural gas (Bcf)	32,985	257	33,242
Natural Gas Plant Liquids (million barrels)	227	6,051	6,278

Source: Energy Information Administration (EIA). Offshore includes Western, Central, and Eastern Gulf of Mexico.

Exhibit 2-3 (horizontal wells) and Exhibit 2-4 (vertical wells) indicate the location of new oil and gas wells in Louisiana starting production from 2014 to May 2020. Federal offshore wells and wells in Louisiana state waters are also included. Exhibit 2-3 includes 1,782 horizontal wells, 86% produce natural gas. Nearly three quarters of these wells (71%) are found in Haynesville Shale formation. Almost all horizontal wells drilled in the Haynesville Shale formation produce natural gas.

Exhibit 2-3: Oil and Gas Horizontal Drilling Activity 2014 to May 2020

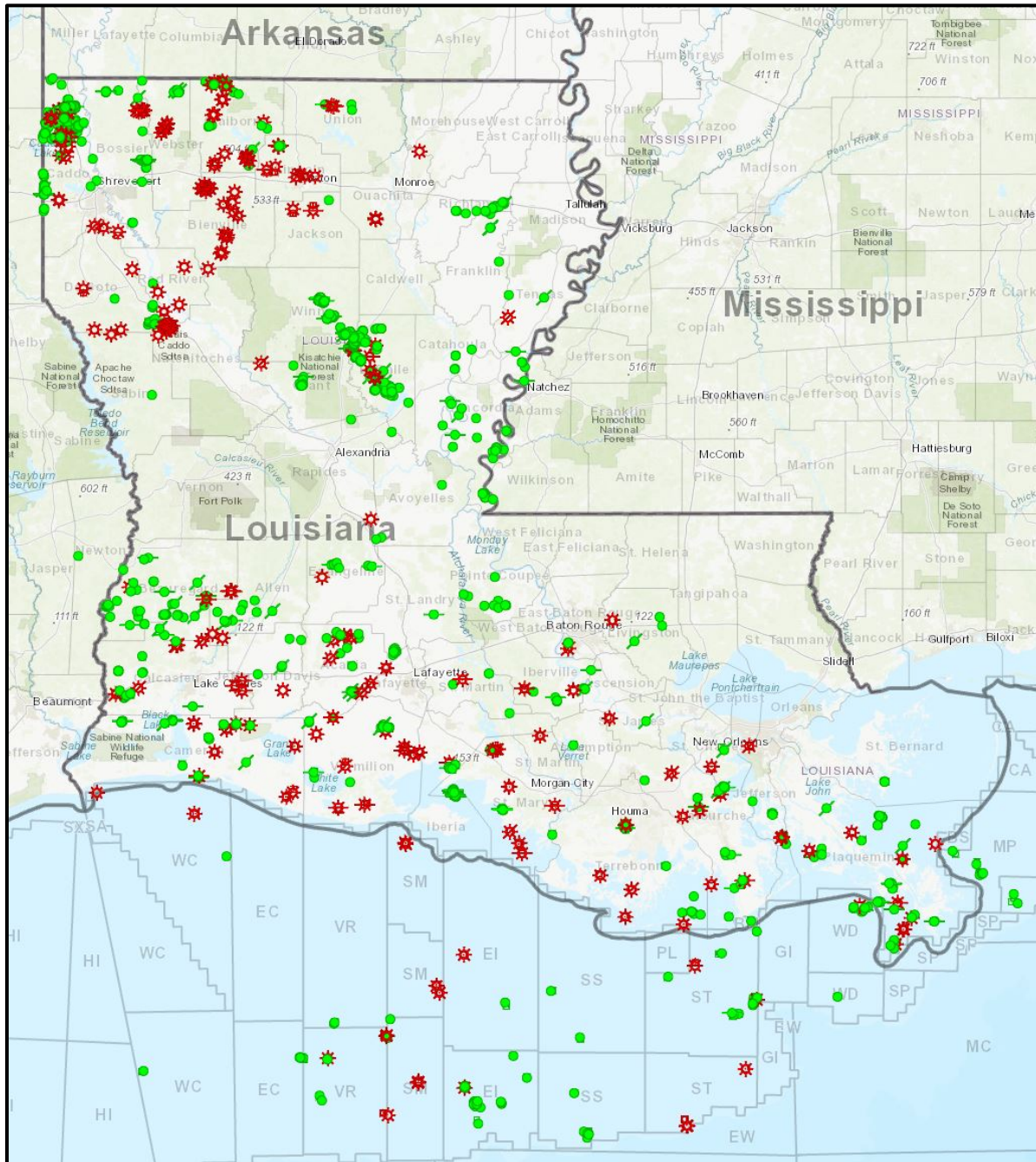


Source: DrillingInfo. Well vintage is based on date of first production. Green symbols represent oil wells and red represents gas wells.

Economic Importance of the Louisiana Oil and Natural Gas Industry

Exhibit 2-4 shows 1,561 vertical and directionally drilled wells that started production from 2014 to May 2020. Of these wells, 86% were oil wells producing from a variety of formations. The Haynesville Shale had 512 wells, or nearly a third of all vertical/directional wells across the state. Within the Haynesville Shale, 89% of the vertical/directional wells also produced lease condensate.

Exhibit 2-4: Oil and Gas Vertical/Directional Drilling Activity 2014 to May 2020



Source: DrillingInfo. Well vintage is based on date of first production. Green symbols represent oil wells and red represents gas wells.

Exhibit 2-5 provides additional information on new wells starting production from 2008 to May 2020. Data includes well counts for Louisiana (including onshore and offshore in state and federal waters) by the year of first production and the average measured depth in feet of those wells. Note that the measured depths of horizontal wells have increased due to operator adopted well designs with longer lateral lengths, which tends to increase production per well.

Exhibit 2-5: Count of New Wells and Average Measured Drilling Depths per Well (Onshore and State and Federal Waters)

Well Count																		
Year	Louisiana Onshore						Louisiana Offshore						State Total					
	Horizontal		Vertical		Directional		Horizontal		Vertical		Directional		Horizontal		Vertical		Directional	
	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS
2008	40	134	272	820	58	122	-	1	-	-	22	51	40	135	272	820	80	173
2009	24	378	206	211	40	70	2	1	-	-	22	45	26	379	206	211	62	115
2010	44	746	184	98	41	28	-	2	-	-	22	22	44	748	184	98	63	50
2011	78	880	291	71	66	36	1	-	-	-	20	12	79	880	291	71	86	48
2012	89	409	421	53	129	25	4	-	-	-	20	13	93	409	421	53	149	38
2013	82	213	484	50	81	26	2	-	-	-	32	8	84	213	484	50	113	34
2014	93	204	468	28	61	20	1	1	-	-	35	11	94	205	468	28	96	31
2015	46	183	188	17	37	13	-	-	-	-	21	3	46	183	188	17	58	16
2016	11	170	94	12	21	10	-	-	-	-	9	2	11	170	94	12	30	12
2017	15	292	118	12	19	17	-	-	-	-	5	-	15	292	118	12	24	17
2018	40	303	128	13	30	14	-	-	-	-	5	1	40	303	128	13	35	15
2019	37	325	81	33	6	2	-	-	-	-	2	2	37	325	81	33	8	4
2020	5	56	16	4	-	2	-	-	-	-	1	-	5	56	16	4	1	2

Source: Enverus. Well vintage is based on date of first production. Note that conventions for counting wells differ among sources (e.g., date of completion versus date of first production, how drilled but uncompleted wells (DUCs) are counted).

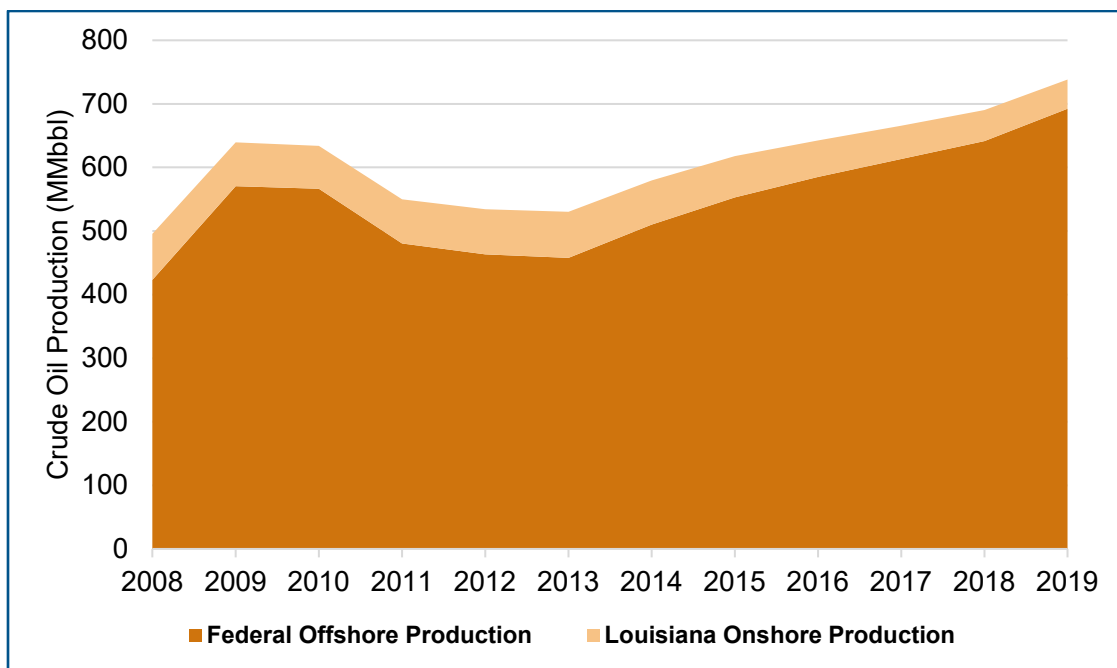
Average Measured Depth (feet/well)																		
Year	Louisiana Onshore						Louisiana Offshore						State Total					
	Horizontal		Vertical		Directional		Horizontal		Vertical		Directional		Horizontal		Vertical		Directional	
	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS	OIL	GAS
2008	7,974	12,939	4,448	9,142	10,533	10,874	-	8,767	-	-	13,451	12,159	7,974	12,909	4,448	9,142	11,335	11,253
2009	8,159	15,776	4,136	9,711	9,518	12,595	14,505	4,950	-	-	9,190	13,047	8,647	15,747	4,136	9,711	9,402	12,772
2010	9,690	16,393	4,773	10,126	10,079	11,556	-	7,168	-	-	11,077	9,531	9,690	16,369	4,773	10,126	10,428	10,665
2011	9,770	16,664	4,393	9,502	9,498	13,153	3,962	-	-	-	7,781	12,827	9,697	16,664	4,393	9,502	9,099	13,071
2012	9,572	16,654	3,831	9,892	9,534	11,903	7,974	-	-	-	10,306	12,628	9,504	16,654	3,831	9,892	9,638	12,151
2013	10,356	16,055	2,619	8,634	8,913	13,086	8,520	-	-	-	10,900	10,905	10,312	16,055	2,619	8,634	9,475	12,573
2014	9,858	17,210	2,826	8,278	9,653	12,931	11,237	9,945	-	-	10,317	13,735	9,873	17,175	2,826	8,278	9,895	13,216
2015	12,575	17,632	3,395	10,763	10,500	14,256	-	-	-	-	10,137	10,858	12,575	17,632	3,395	10,763	10,369	13,619
2016	12,696	18,378	3,184	6,483	10,498	14,978	-	-	-	-	11,602	12,859	12,696	18,378	3,184	6,483	10,830	14,625
2017	12,972	18,694	3,032	6,352	8,756	11,584	-	-	-	-	10,787	-	12,972	18,694	3,032	6,352	9,179	11,584
2018	8,711	19,448	2,478	7,482	8,762	11,863	-	-	-	-	13,621	25,382	8,711	19,448	2,478	7,482	9,456	12,765
2019	9,681	19,302	2,600	7,898	7,717	8,954	-	-	-	-	10,642	12,779	9,681	19,302	2,600	7,898	8,448	10,866
2020	14,164	20,530	2,375	1,650	-	13,356	-	-	-	-	13,463	-	14,164	20,530	2,375	1,650	13,463	13,356

2.3 Crude Oil Production and Infrastructure

Exhibit 2-7 shows the major crude oil pipelines, refineries, and terminals in the state. Louisiana produced 45.9 million barrels of crude oil in 2019 from onshore and state waters, a slight decrease of approximately 6% from the previous year. While onshore production has decreased in recent years, Louisiana supports significant production from offshore operations. Some of the largest oil fields in the country are found in the Gulf of Mexico, and extracted volumes from this region are primarily received in the state. 692 million barrels of crude oil were produced offshore in 2019, an increase of nearly 8% from the previous year. Sizable increases in offshore production over the last five years offset recent smaller decreases in onshore production volumes.

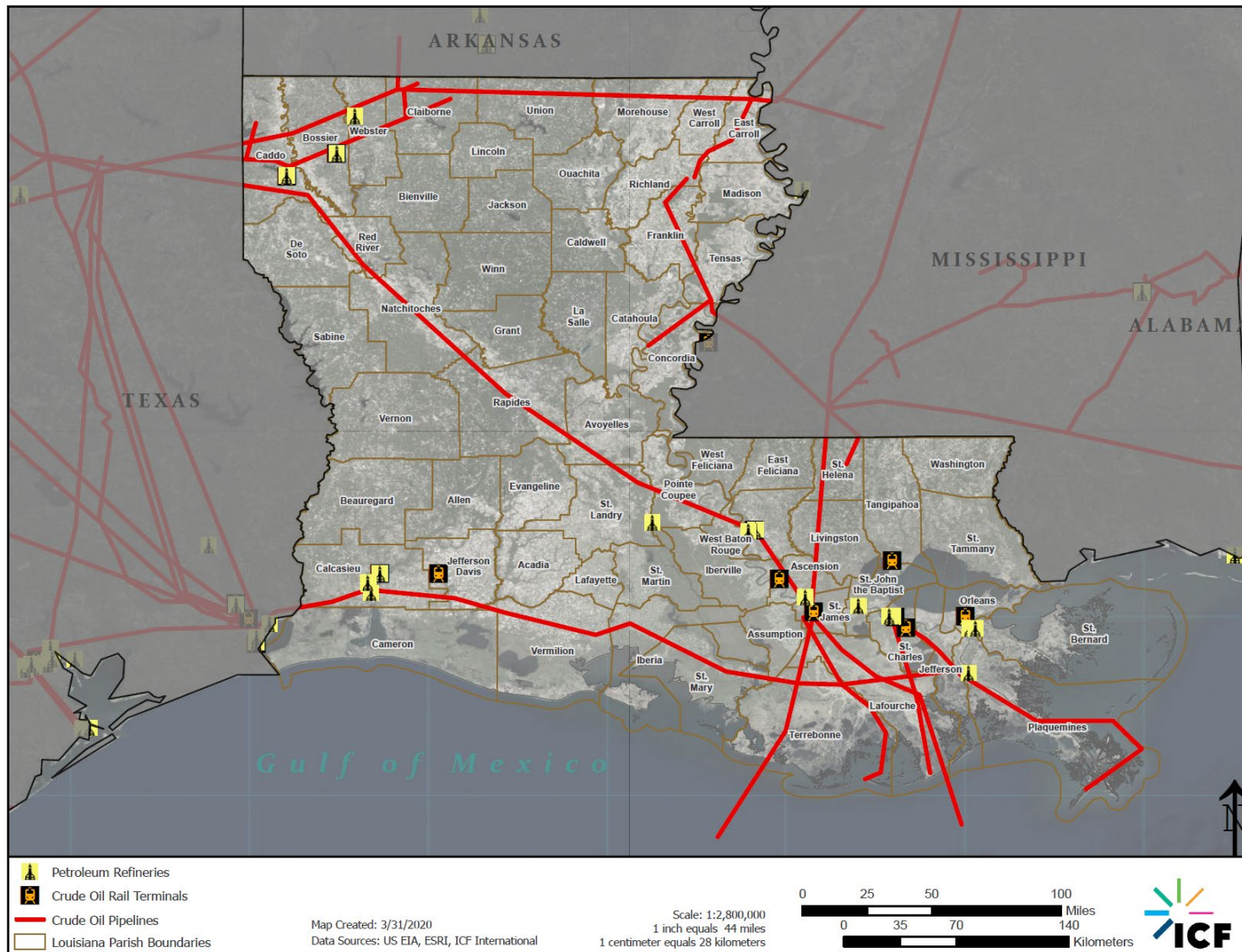
The state is supported by over 4,000 miles of crude oil pipelines onshore, as well as nearly 4,400 miles offshore found in the Gulf of Mexico.

Exhibit 2-6: Louisiana Onshore and Offshore Crude Oil Production (MMbbl)



Source: Energy Information Administration (EIA). Includes Western, Central and Eastern Gulf of Mexico.

Exhibit 2-7: Louisiana Crude Oil Pipelines and Assets



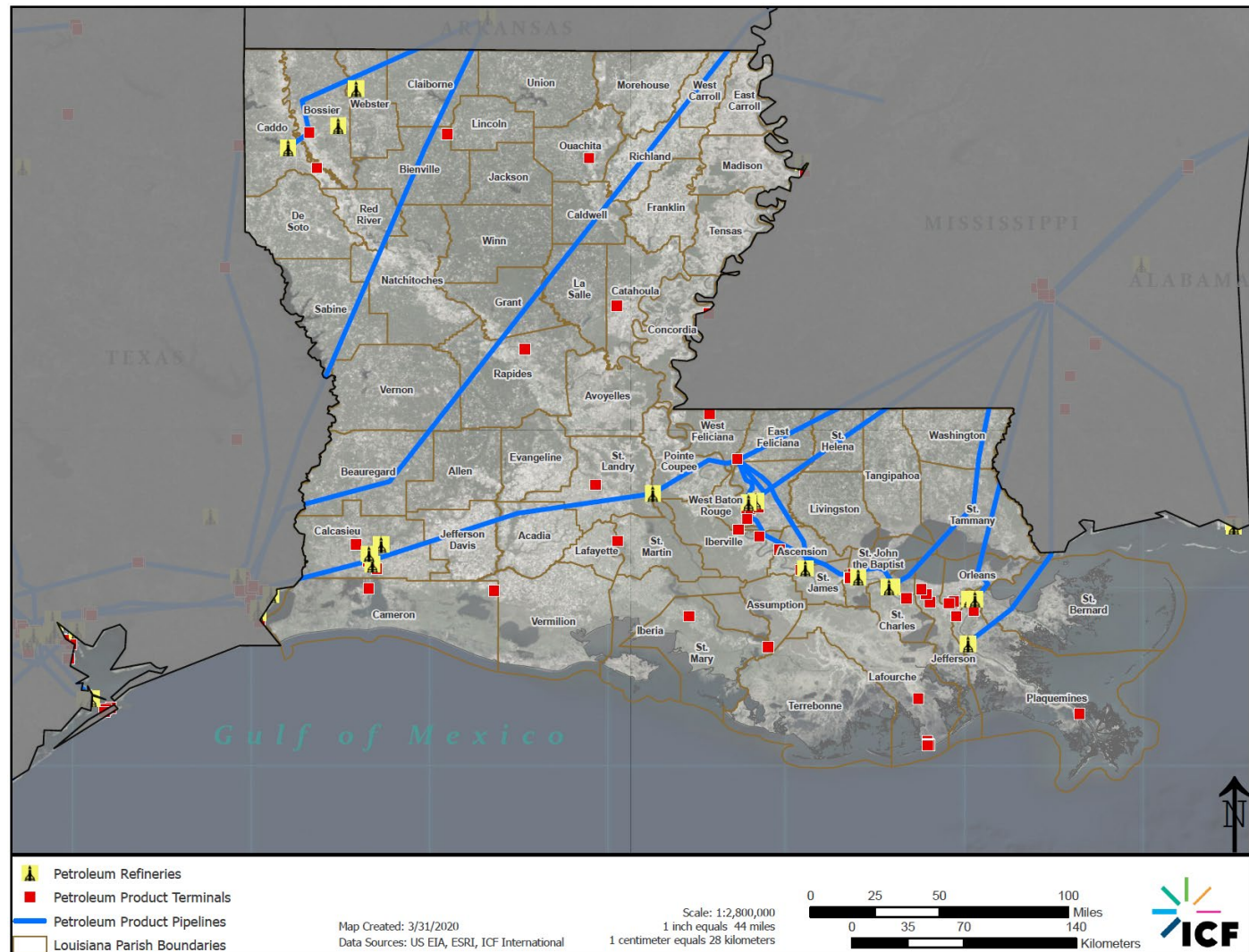
2.4 Petroleum Refineries and Supporting Infrastructure

Louisiana has 17 operating refineries in the state with a total capacity of 3.4 million barrels per calendar day, making it the 2nd most prominent state in the U.S. in terms of refinery capacity.⁴ The state represents 18% of the country's operating capacity as well as 34% of the capacity of Gulf Coast (PADD III) refineries. The largest refinery in state, Marathon Garyville found in St. John the Baptist Parish, is the 3rd largest in the country.

Refineries produce petroleum products by processing crude oil and other inputs to provide for consumers with everyday energy, feedstock and material needs. Petroleum products include fuels for use in transportation, heating oils, liquefied petroleum gases, asphalt used in road paving, waxes, lubricants, and petrochemical feedstocks. Louisiana is supported by approximately 1,700 miles of petroleum product pipelines which deliver to terminal storage and other consumers. Refineries, petroleum product pipelines, and supporting infrastructure are shown in Exhibit 2-8 below.

⁴ U.S. Energy Information Administration (EIA); <https://www.eia.gov/petroleum/refinerycapacity/>

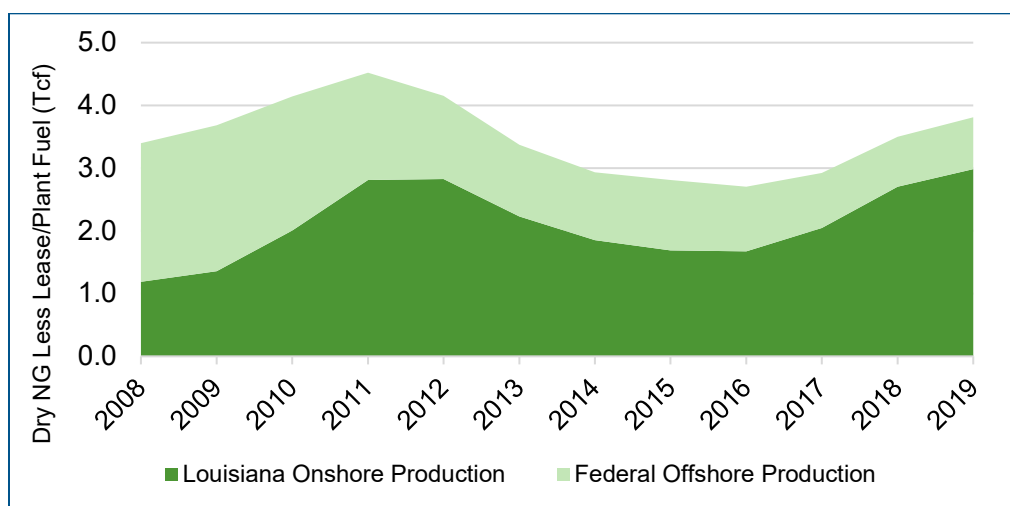
Exhibit 2-8: Crude Oil Refineries and Petroleum Product Infrastructure in Louisiana



2.5 Natural Gas Markets and Infrastructure

Natural gas supporting assets and natural gas pipelines in Louisiana are shown in Exhibit 2-13 and Exhibit 2-14 respectively. In 2019, Louisiana produced 2.98 trillion cubic feet of dry natural gas onshore and in state waters. A major source of produced natural gas volumes within the state is the Haynesville-Bossier Basin, which also expands into eastern Texas. Technological improvements in fracking have significantly increased recent volumes, with 2019 volumes over 75% higher than 2015 production. An additional 0.83 trillion cubic feet of natural gas was produced in the Gulf of Mexico in 2019. Similar to crude oil, offshore natural gas production volumes are largely processed in Louisiana. Including these OCS volumes in overall production statistics makes the state the 3rd highest producer in the US. Natural gas assets in Louisiana are supported through approximately 67,000 miles of onshore natural gas pipelines, as well as nearly 8,300 miles offshore in the Gulf of Mexico.

Exhibit 2-9: Louisiana Onshore and Offshore Natural Gas Production (Tcf)



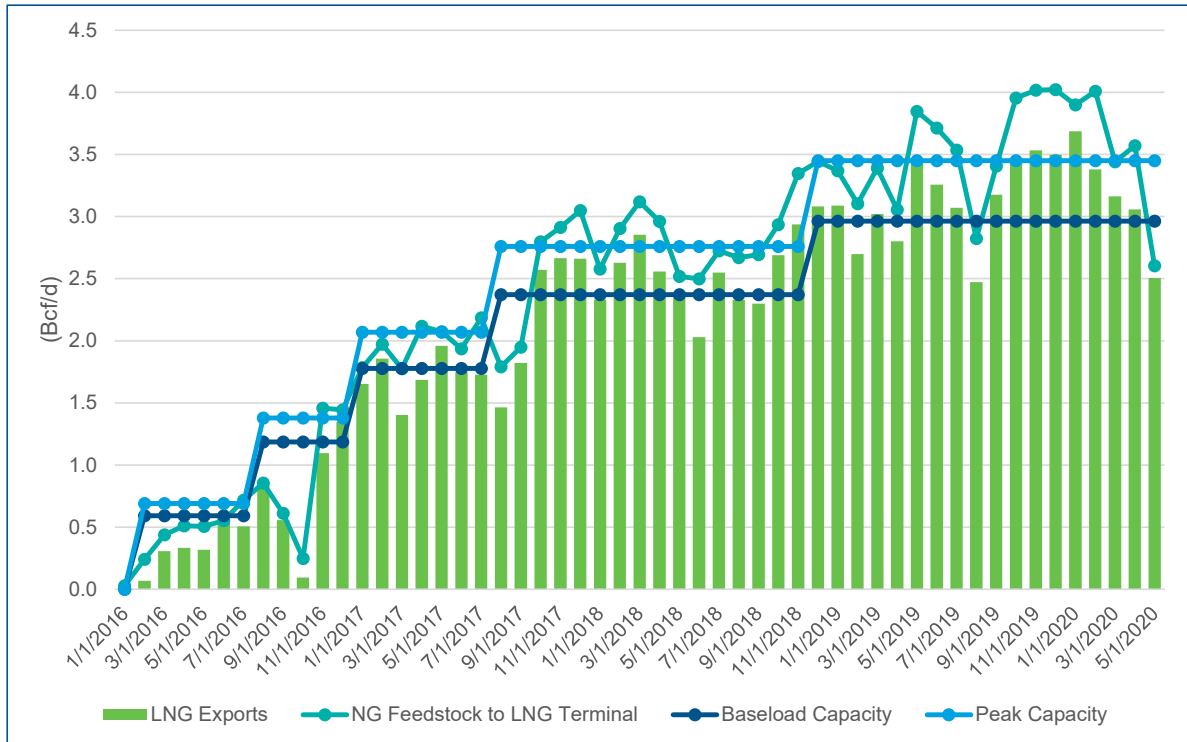
Source: Energy Information Administration (EIA). Includes Western, Central and Eastern Gulf of Mexico.

LNG Export Operations

Two LNG export terminals are also currently in operation in the state: Cheniere Sabine Pass and Cameron LNG. LNG export terminals receive sales-quality natural gas via pipeline, before performing additional onsite processing and liquefaction. Volumes are then stored onsite before being loaded on specialized LNG carriers for shipment to international markets. Both facilities have recently started operation, with first export volumes sent in 2016 and 2019 from Cheniere and Cameron respectively. Each company has invested in major liquefaction train expansion projects over the past five years, some of which have started operation with more to begin service over the coming years. The terminals shipped 3.4 Bcf/d of liquefied natural gas in 2019 to various international markets, with larger volumes expected in the future as remaining expansions are completed.

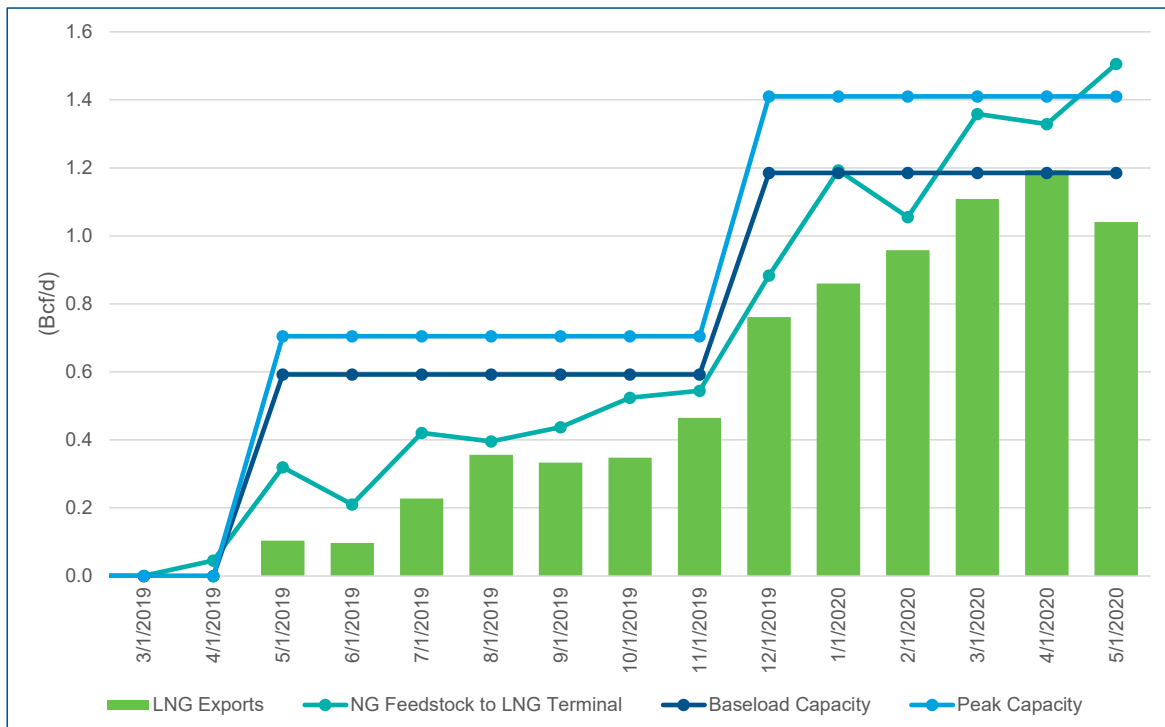
The state also has one additional LNG terminal, Calcasieu Pass, currently in the early stages of construction and development. When completed, this facility is expected to offer 10 smaller LNG liquefaction trains with the capacity to export up to 1.7 Bcf/d of LNG.

Exhibit 2-10: Cheniere Sabine Pass Natural Gas Feedstocks, LNG Exports and Capacities



Sources: Energy Information Administration (EIA) US LNG Export Facility Database, Department of Energy (DOE) LNG Reports, ICF analysis of Point Logic data

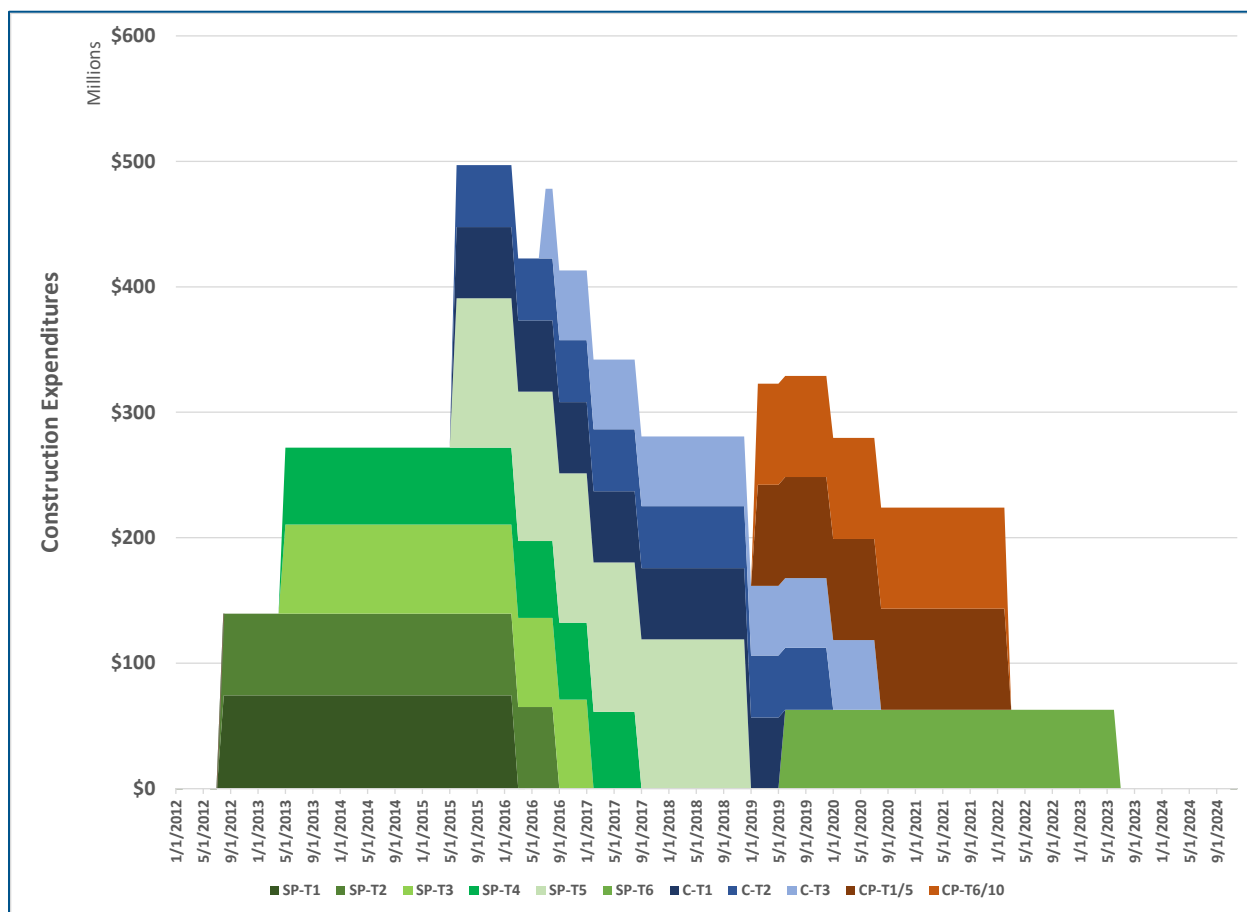
Exhibit 2-11: Cameron LNG Natural Gas Feedstocks, LNG Exports and Capacities



Sources: Energy Information Administration (EIA) US LNG Export Facility Database, Department of Energy (DOE) LNG Reports, ICF analysis of Point Logic data

Louisiana has recently seen significant investments in large-scale LNG construction and expansion projects supporting LNG export terminal operations due to the abundance of available natural gas volumes in the US. Cheniere Sabine Pass began operation in 2016, and currently has one liquefaction train under construction (Train 6). Cameron LNG, which first began shipping volumes in 2019, currently has one train in development (Train 3). Calcasieu Pass, while not currently operating, has started construction. Monthly construction expenditures on these projects are shown for each liquefaction train and LNG export terminal in Louisiana in Exhibit 2-12 below.

Exhibit 2-12: LNG Export Terminal Monthly Construction Expenditures in Louisiana



Source: ICF analysis of environmental assessments, press releases and financial statements of terminal operators.

Exhibit 2-13: Natural Gas Assets in Louisiana

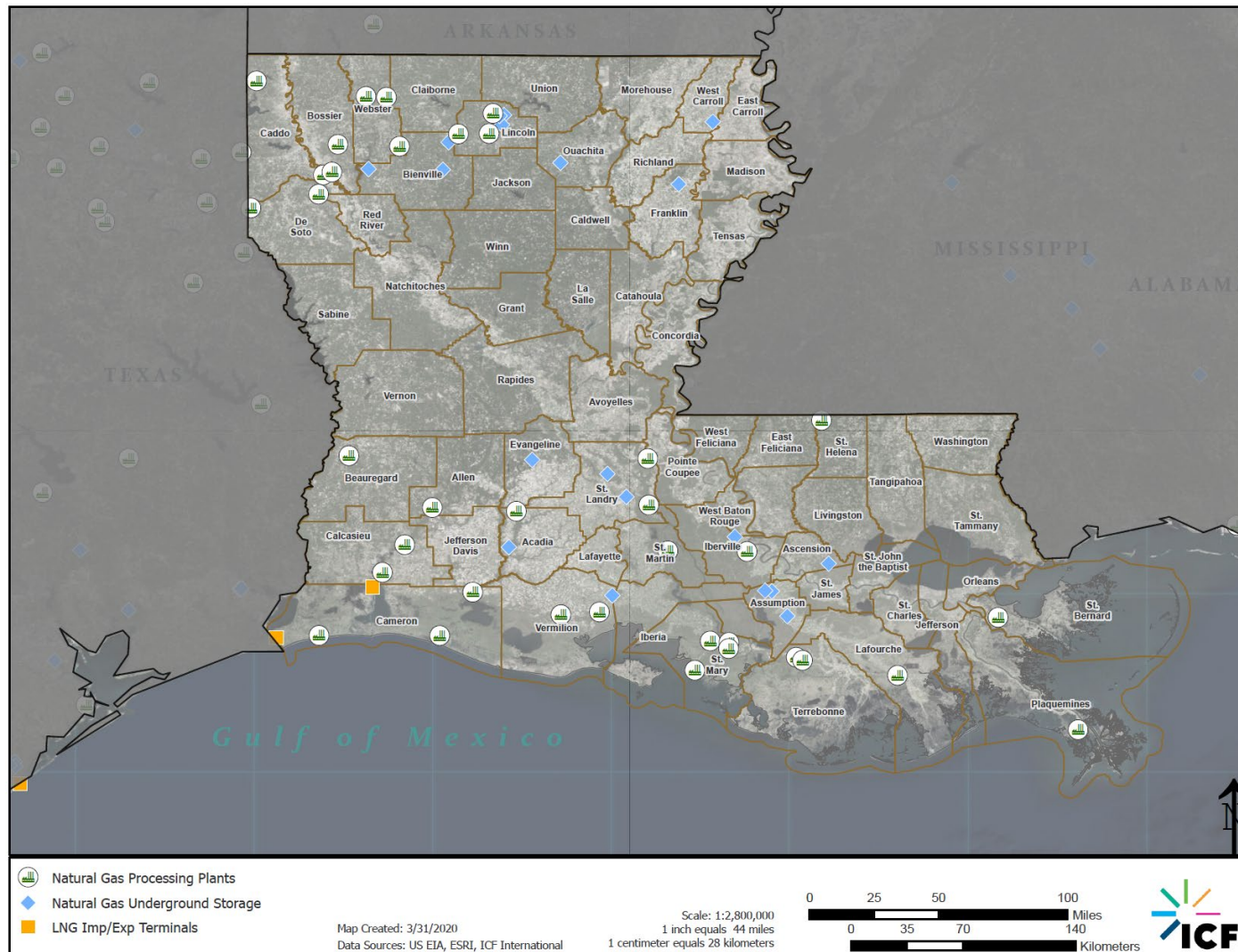
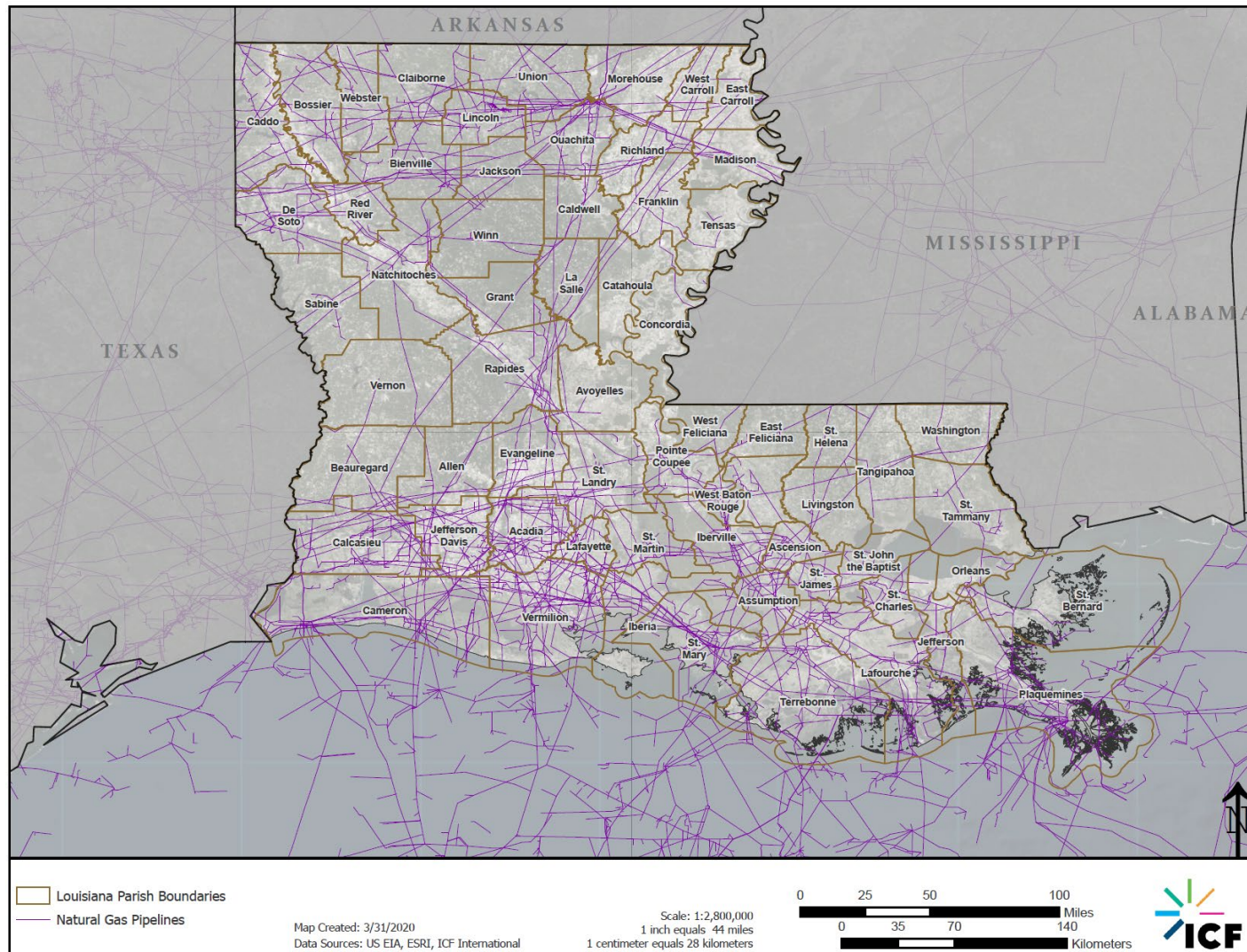


Exhibit 2-14: Natural Gas Pipelines in Louisiana



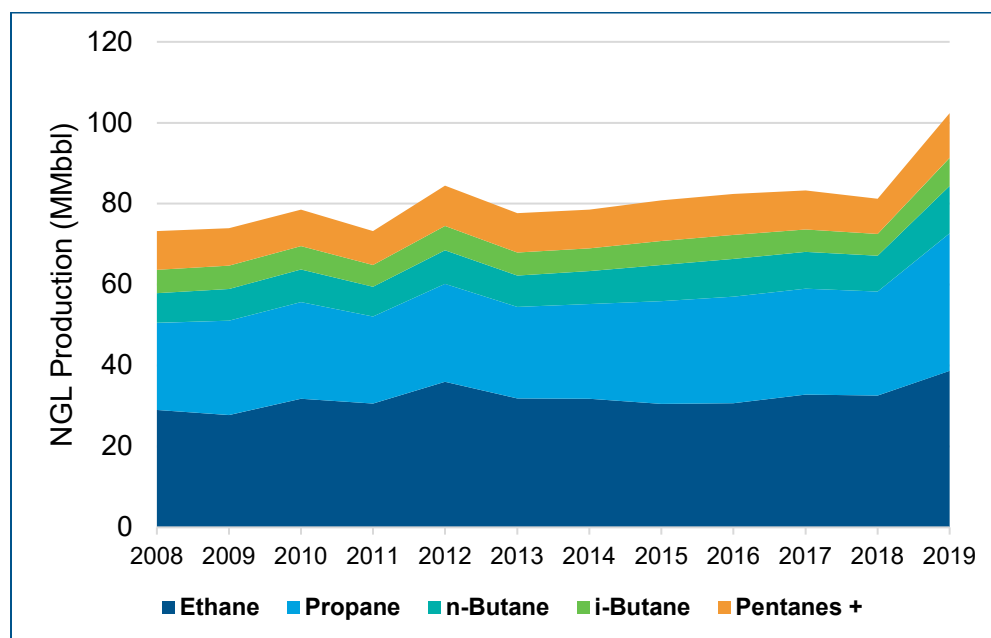
2.6 Natural Gas Liquids Markets and Infrastructure

Natural gas liquids (NGLs) are certain hydrocarbons such as ethane, propane, butane, and pentanes plus which are often found as mixed constituents in raw natural gas. These mixed products, as well as other impurities such as water, hydrogen sulfide, and carbon dioxide, are removed and separated during processing before being sold for beneficial use. Gas processing plants are the primary source of NGLs, but refineries can also produce small volumes of certain NGL products. Separated product volumes are used in a number of applications such as inputs to refineries for use in gasoline blending, as feedstocks to the petrochemical industry, or for fuel in all sectors of the US economy.

Exhibit 2-16 shows NGL product pipelines and supporting infrastructure in the state. Louisiana produced 27.4 million barrels of NGL products in total in 2019 onshore and in state waters. These volumes primarily consisted of ethane, often used as a petrochemical feedstock, which made up 37% of all produced NGLs in that year. Federal offshore production in the Gulf of Mexico included an additional 75.0 million barrels of NGL products, consisting largely of ethane and propane volumes which comprised 71% of the total. Together, 102.4 million barrels of NGL were produced and supported by Louisiana in 2019. Production volumes can be seen in Exhibit 2-15.

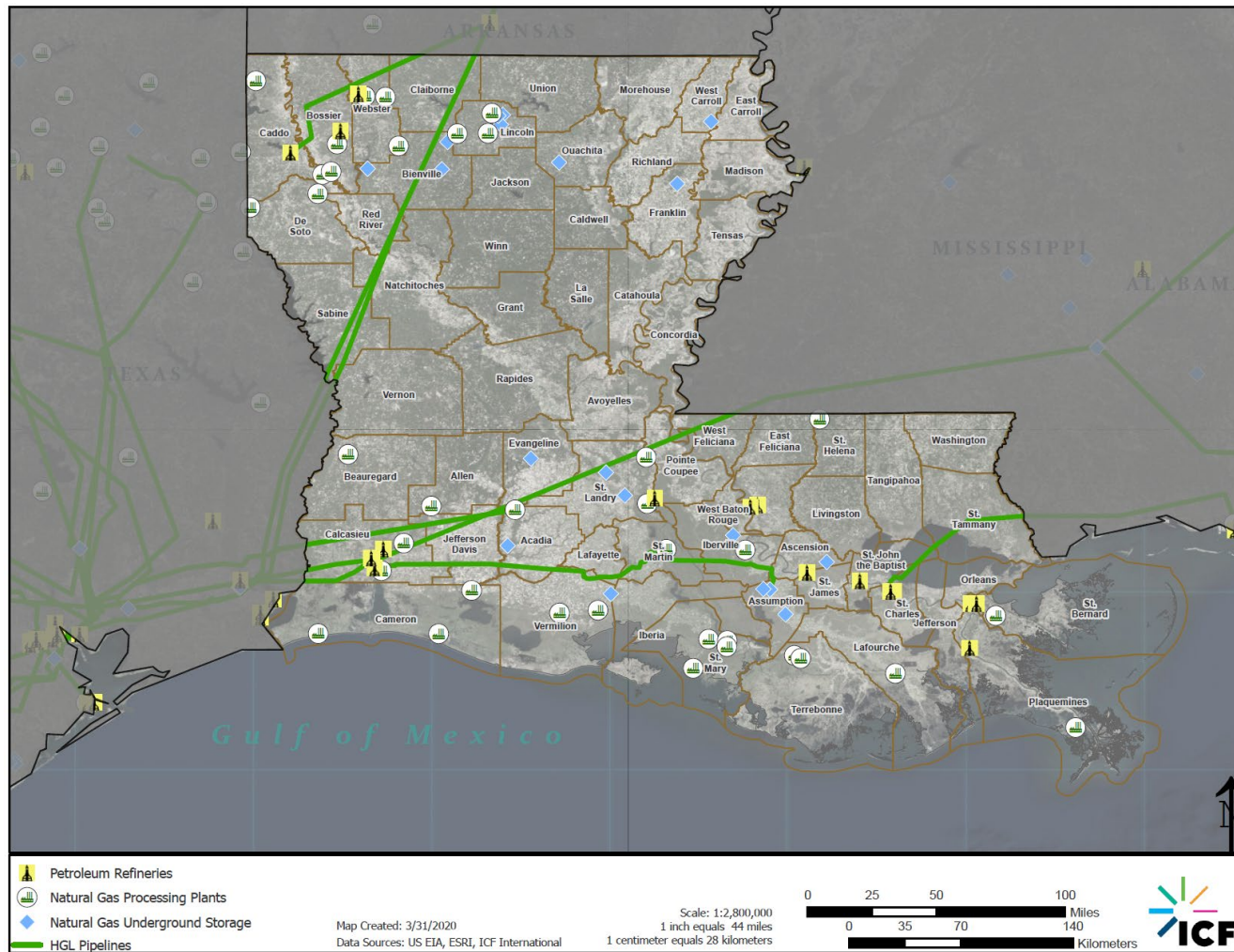
There are nearly 7,400 miles of raw NGL and purity product pipelines throughout the state which deliver volumes to storage, fractionators or consumers.

Exhibit 2-15: Louisiana Onshore and Offshore Natural Gas Liquids Production (MMbbl)



Source: Energy Information Administration (EIA). Includes Western, Central and Eastern Gulf of Mexico.

Exhibit 2-16: Louisiana Natural Gas Liquids (NGLs) Infrastructure and Assets



3. Economic Impacts

This chapter presents estimates for the historic economic impacts by the oil and gas industry on the Louisiana economy including employment, wages, value of output, contribution to state income and state and local taxes. Data used to make these estimates includes oil and gas production volumes, commodity prices, U.S. Bureau of Labor Statistics (BLS) employment and wage data, and U.S. Bureau of Economic Analysis (BEA) economic statistics. The methodology also relies on IMPLAN (a commercial economic impact analysis system) to estimate indirect and induced jobs, wages and salaries, and government revenues in Louisiana.

3.1 Value of Outputs from Oil and Gas Upstream Activities

The value of output from oil and gas activities for this study include the revenues from extraction operations. Revenue is based on commodity prices for oil, gas, and specific NGL products and relevant upstream production volumes. In Louisiana, adjacent offshore production in the Gulf of Mexico is also received and processed through infrastructure found in the state. These volumes represent an additional source of revenue to the state economy. Commodity prices are shown in Exhibit 3-1. Prices used to generate revenues represent the point at first sale and are determined from a variety of sources. The onshore natural gas wellhead price is represented by a weighted average hub price (Henry Hub, Carthage, Texas Gas Zone) based on state reserves. Offshore natural gas production revenue utilizes the Henry Hub price directly.

Exhibit 3-1: Commodity Prices for Louisiana Production Revenues (in 2019 Dollars)

Year	Henry Hub (\$/Mcf)	Onshore Weighted Average Natural Gas Hub Price (\$/Mcf)	First Sale Oil Price (\$/bbl)	Average NGL Product Price (\$/bbl)
2008	\$ 10.86	\$ 10.75	\$ 119	\$ 78
2009	\$ 4.78	\$ 4.65	\$ 70	\$ 49
2010	\$ 5.24	\$ 5.18	\$ 91	\$ 65
2011	\$ 4.69	\$ 4.62	\$ 122	\$ 81
2012	\$ 3.17	\$ 3.13	\$ 119	\$ 66
2013	\$ 4.22	\$ 4.18	\$ 116	\$ 58
2014	\$ 4.83	\$ 4.87	\$ 102	\$ 52
2015	\$ 2.87	\$ 2.81	\$ 52	\$ 26
2016	\$ 2.72	\$ 2.66	\$ 44	\$ 26
2017	\$ 3.17	\$ 3.08	\$ 53	\$ 35
2018	\$ 3.29	\$ 3.14	\$ 68	\$ 41
2019	\$ 2.63	\$ 2.44	\$ 59	\$ 28

Sources: Energy Information Administration (EIA), Bloomberg, ICF analysis.

Exhibit 3-2 displays the value of outputs or revenues from upstream oil and gas activities for both onshore and offshore operations. Louisiana produced a total of 760 million barrels of crude oil, 25.4 trillion cubic feet of dry (pipeline quality) natural gas, and 325 million barrels of NGLs onshore or in state waters between 2008 and 2019. The value of these commodities at the point

Economic Importance of the Louisiana Oil and Natural Gas Industry

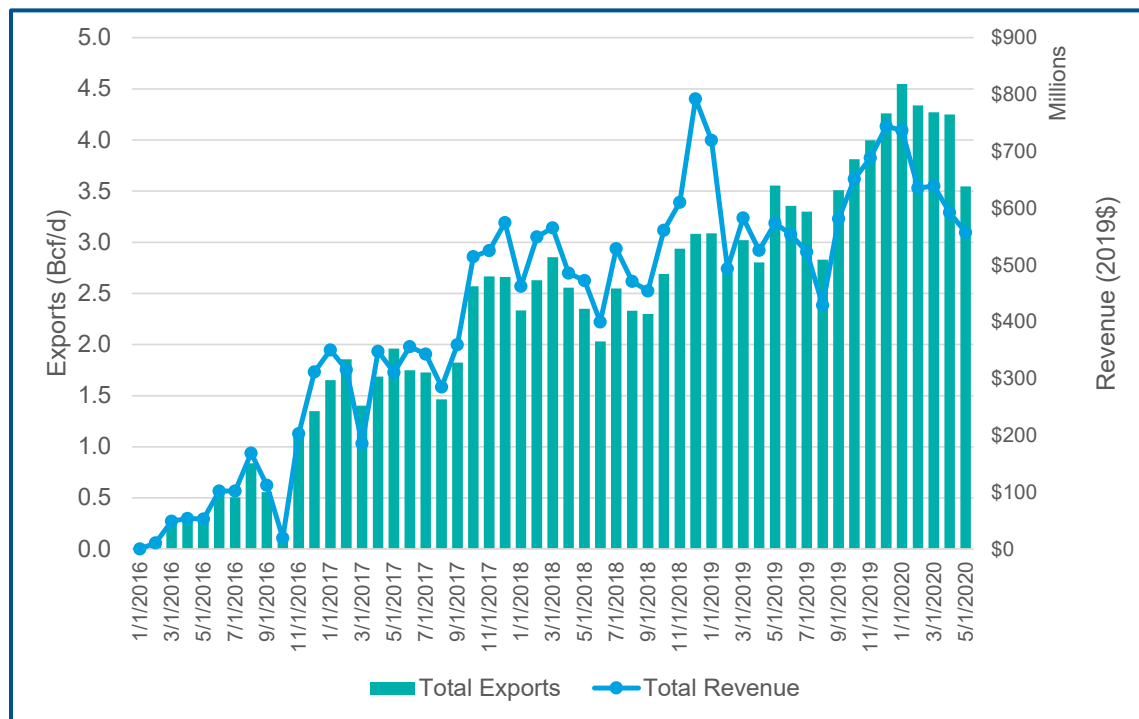
of first sale is \$181 billion or an average of \$15.1 billion per year. Federal OCS production was represented by an additional 6.6 billion barrels of crude oil, 16.6 trillion cubic feet of dry (pipeline quality) natural gas, and 645 million barrels of NGLs between 2008 and 2019. Considering wellhead pricing, these resources amount to an additional \$633 billion or an average of \$52.7 billion per year. Together, Louisiana upstream activities in 2019 produced oil, gas and NGLs valued at \$55.5 billion at the point of first sale or delivered into gas pipelines.

Exhibit 3-2: Louisiana Oil and Gas Value of Output

Year	Louisiana Production Revenues (Million 2019\$)						Total
	Natural Gas (LA Onshore and State Waters)	Natural Gas (GOM-Federal Offshore)	Crude Oil (LA Onshore and State Waters)	Crude Oil (GOM-Federal Offshore)	NGLs (LA Onshore and State Waters)	NGLs (GOM-Federal Offshore)	
2008	\$ 12,768	\$ 24,017	\$ 8,646	\$ 50,469	\$ 1,914	\$ 3,037	\$ 100,851
2009	\$ 6,318	\$ 11,108	\$ 4,832	\$ 39,685	\$ 1,161	\$ 1,838	\$ 64,941
2010	\$ 10,399	\$ 11,191	\$ 6,183	\$ 51,040	\$ 1,606	\$ 2,545	\$ 82,963
2011	\$ 12,975	\$ 8,033	\$ 8,448	\$ 58,290	\$ 1,848	\$ 2,924	\$ 92,518
2012	\$ 8,847	\$ 4,203	\$ 8,447	\$ 55,170	\$ 1,163	\$ 2,826	\$ 80,656
2013	\$ 9,316	\$ 4,828	\$ 8,397	\$ 52,352	\$ 1,230	\$ 2,040	\$ 78,162
2014	\$ 9,006	\$ 5,240	\$ 7,106	\$ 51,657	\$ 1,069	\$ 2,055	\$ 76,133
2015	\$ 4,747	\$ 3,222	\$ 3,373	\$ 28,294	\$ 619	\$ 1,045	\$ 41,301
2016	\$ 4,461	\$ 2,799	\$ 2,494	\$ 23,964	\$ 640	\$ 1,079	\$ 35,436
2017	\$ 6,299	\$ 2,785	\$ 2,745	\$ 30,951	\$ 632	\$ 1,666	\$ 45,079
2018	\$ 8,506	\$ 2,613	\$ 3,311	\$ 43,067	\$ 704	\$ 1,895	\$ 60,096
2019	\$ 7,283	\$ 2,177	\$ 2,729	\$ 41,145	\$ 596	\$ 1,592	\$ 55,520

Sources: Energy Information Administration (EIA), Bloomberg, ICF analysis. Includes Western, Central and Eastern Gulf of Mexico.

The two operating LNG export terminals also contribute to the state economy in Louisiana. Starting with first shipment in 2016, Louisiana exported 3.68 trillion cubic feet of natural gas as LNG through May 2020. Utilizing a weighted average price per month (which includes feedstock gas and liquefaction fees), these volumes represented \$22.2 billion dollars in revenue in total, or approximately \$4.5 billion per year. Exhibit 3-3 below displays historic LNG export volumes and revenues across both operating LNG export terminals in Louisiana.

Exhibit 3-3: LNG Exports and Monthly Revenues in Louisiana

Source: Department of Energy (DOE) LNG Reports

3.2 Economic Impacts

Estimates for value added, private-sector jobs, and wages related to the Louisiana oil and gas value chains were made using data from both the Bureau of Labor Statistics' Quarterly Job and Wage Report⁵ and input-output relationships developed with the Impact Analysis for Planning (IMPLAN)⁶ models of the U.S. and Louisiana economy. This input-output (I-O) model is based on a social accounting matrix that incorporates all flows within the U.S. economy and is used to assess the aggregate economic impacts associated with a given level of an industry's output. For example, natural gas production requires oil and gas drilling and support services, equipment, and materials. Those direct impacts will lead to indirect impacts as intermediate inputs for those items (e.g., steel production to make casing and iron mining to make steel) also will see higher demand. The IMPLAN model also estimates induced impacts due to consumers' expenditures rising due to higher household incomes that are generated by the direct and indirect effects flowing through to the general economy. The term "induced impacts" is used in industry-level input-output modeling and is similar the Multiplier Effect concept used in macroeconomics.

These I-O relationships can be extracted into matrices that indicate the number of direct and indirect jobs in sector X per million dollars of output in sector Y. A matrix can also be defined as the number of direct and indirect jobs in sector X per physical unit of output in sector Y. Similar

⁵ For information of the Quarterly Census of Employment and Wages (QCEW) see <https://www.bls.gov/cew/home.htm>

⁶ For more information on IMPLAN see <http://www.implan.com/>

matrices can be constructed showing the value added in sector X per million dollars or per unit of production in sector Y. By multiplying these matrices by a base year or forecast year level of output in sector X (that is to say a given level of capital or O&M expenditures that lead to that sector X output) direct, indirect and induced jobs and wages can be estimated.

Direct Impacts represent the immediate impacts (e.g., employment or output changes) in Sector X due to greater demand for and output from Sector X.

Indirect Impacts represent the impacts outside of Sector X in those industries that supply or contribute to the production of intermediate goods and services demanded by Sector X.

Induced or “Multiplier Effect” Impacts represent the cumulative impacts of the spending of income earned in the direct and indirect sectors and subsequent spending of income in each successive round. Examples include a restaurant worker who takes a vacation to Florida, or a storeowner who sends children to college, based on higher income that arises from the initial activity in Sector X.

3.1.1 State GDP (Value Added)

The level of output in an industry is often measured in terms of “value of output” (a.k.a. “value of shipments”) and “value added.” Value of output is the total value (price x quantity) of what an industry produces in terms of goods or services. Value added can be computed as value of shipment minus the value of imported intermediate goods and services (all along the supply chain) and is a measure of contribution to Gross Domestic Product (GDP).

The value added from oil and gas activities in Louisiana in this report are based on GDP estimates provided by the U.S. Bureau of Economic Analysis (BEA) and input-output relationships developed with the IMPLAN model and Louisiana economy. While certain BEA estimates are associated entirely with oil and gas operations, others must be derived from GDP estimates which include operations from other industries. To determine a GDP value specific to the oil and gas industry, ICF first included values which were entirely representative of oil and gas operations. In instances where GDP estimates also include other industries, ICF derived an oil and gas specific value by apportioning GDP based on industry wide and oil and gas job specific estimates.

Total direct, indirect, and induced value added from oil and gas activities in Louisiana totaled \$885 billion between 2008 and 2019 or an average of \$73.8 billion per year. On average, these incomes represented 28% of statewide GDP during the same time period from 2008 to 2019. Exhibit 3-4 below gives estimates from 2008 to 2019.

Exhibit 3-4: Louisiana Value Added from Oil and Gas Activity

GDP (Million 2019\$)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total O/G LA Income (direct & indirect)	\$72,540	\$52,328	\$65,464	\$61,940	\$60,670	\$53,491	\$57,178	\$51,843	\$38,743	\$49,880	\$56,011	\$55,739
Total O/G LA Income (induced)	\$22,488	\$16,222	\$20,294	\$19,201	\$18,808	\$16,582	\$17,725	\$16,071	\$12,010	\$15,463	\$17,363	\$17,279
Total O/G LAD, I, & Induced Income	\$95,028	\$68,550	\$85,758	\$81,142	\$79,478	\$70,074	\$74,903	\$67,915	\$50,754	\$65,343	\$73,375	\$73,018
State GDP (Million 2019\$)	\$256,265	\$244,647	\$263,796	\$262,190	\$262,464	\$252,797	\$258,732	\$258,021	\$249,063	\$258,379	\$274,098	\$276,730
State Non Energy GDP (Million 2019\$)	\$161,237	\$176,098	\$178,038	\$181,049	\$182,986	\$182,723	\$183,829	\$190,106	\$198,309	\$193,036	\$200,723	\$203,713
ICF LA O/G Income D, I, & Induced Income % of LA GDP	37%	28%	33%	31%	30%	28%	29%	26%	20%	25%	27%	26%

Source: Bureau of Economic Analysis (BEA) statistics, IMPLAN, ICF analysis

3.1.2 Jobs

Jobs and wages in this report for Louisiana are based on data provided from the BLS and the BEA and ICF's analysis. To determine direct employees associated with the oil and gas industry in Louisiana, ICF first included estimates from BLS for the relevant specific NAICS codes, each of which are shown in Exhibit 3-5 below. ICF also collected information related to LNG terminal employment, discussed in more detail below, which are also included in the table. Appendix A provides more detail on these employees and wages, including a discussion of ICF's approach to estimate specific data by industry sector, parish, and year.

Exhibit 3-5: Direct Oil and Gas Industry Jobs Paying Wages and Salaries by Sector

NAICS Code	Sector	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
211	Oil and Gas Extraction	8,756	8,871	8,533	8,504	9,802	9,820	9,424	9,129	8,153	6,246	6,384	6,398
213111	Drilling Oil and Gas Wells	10,123	8,968	9,223	8,981	7,637	7,102	6,596	4,614	3,138	3,456	3,604	3,781
213112	Support Activities for Oil and Gas Operatio	31,764	29,331	30,168	31,462	33,256	33,215	33,825	30,042	23,075	21,748	23,083	23,384
2212	Natural Gas Distribution	1,385	1,447	1,633	1,623	1,502	1,416	1,361	1,202	1,074	1,035	1,035	1,036
23712	Oil and Gas Pipeline Construction	17,336	18,069	12,989	13,898	14,831	15,570	14,864	15,679	16,393	16,782	14,777	12,780
32411	Petroleum Refineries	9,543	9,530	9,502	9,015	9,113	9,311	9,672	9,565	9,462	9,928	10,019	9,463
32412	Asphalt Paving and Roofing Material	433	407	457	518	548	586	643	718	762	750	756	774
4247	Petroleum Merchant Wholesalers	3,357	3,207	2,816	2,786	2,739	2,687	2,734	2,702	2,426	2,432	2,479	2,473
486	Pipeline Transportation	2,494	2,405	2,615	2,795	2,838	2,885	2,946	3,092	2,671	2,548	2,542	2,594
447	Gasoline Stations	17,927	18,239	18,328	18,340	18,628	19,107	19,057	19,337	19,941	20,014	19,890	20,467
45431	Fuel Dealers	564	561	560	577	572	559	568	576	569	545	547	514
	LNG Construction Jobs	-	-	-	-	1,573	3,390	6,241	14,096	9,314	9,215	10,890	10,016
	LNG Full Time Jobs	-	-	-	-	50	100	100	206	313	326	374	493
	Sum of Jobs Paying Wages and Salary	103,682	101,035	96,824	98,499	103,089	105,748	108,031	110,958	97,291	95,025	96,380	94,173

Source: Bureau of Labor (BLS) statistics, ICF analysis

The BLS data referenced above refers to employees paid wages and salaries. ICF has also estimated additional jobs supported by the industry, which are not traditional wage and salary employee positions. These jobs represent sole proprietorships, partnerships, independent contractors, on-call workers, temporary help agency workers, and workers provided by contract firms, which are not counted in the standard employee estimates published by BLS and the Bureau of Economic Analysis (BEA, SAEMP27N Full-Time and Part-Time Wage and Salary Employment by NAICS Industry). However, the BEA has included such jobs in a different data series (SAEMP25N Total Full-Time and Part-Time Employment by NAICS Industry). Utilizing a ratio of these values as a multiplier with the above BLS paid employees allows for the total job count in Louisiana to be determined. The multipliers used to scale up BLS jobs to total job estimates for each industry are shown in Exhibit 3-6 below.

Exhibit 3-6: Additional Oil and Gas Industry Job Multipliers (from BEA data)

NAICS Code	Sector	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
211	Oil and Gas Extraction	2.85	2.93	3.56	2.93	3.45	3.77	3.74	3.97	4.68	4.65	4.51	4.58
213111	Drilling Oil and Gas Wells	1.08	1.07	1.08	1.08	1.13	1.09	1.10	1.12	1.16	1.20	1.18	1.19
213112	Support Activities for Oil and Gas Operations	1.08	1.07	1.08	1.08	1.13	1.09	1.10	1.12	1.16	1.20	1.18	1.19
2212	Natural Gas Distribution	1.05	1.04	1.04	1.03	1.03	1.03	1.04	1.06	1.09	1.05	1.05	1.05
23712	Oil and Gas Pipeline Construction	1.08	1.07	1.08	1.07	1.08	1.07	1.06	1.05	1.06	1.07	1.08	1.07
32411	Petroleum Refineries	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.02	1.02	1.03	1.03
32412	Asphalt Paving and Roofing Material Manufact	1.01	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.02	1.02	1.03	1.03
4247	Petroleum Merchant Wholesalers	1.07	1.08	1.08	1.09	1.09	1.09	1.14	1.15	1.09	1.09	1.09	1.09
486	Pipeline Transportation	1.02	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.03	1.07	1.05
447	Gasoline Stations	1.06	1.06	1.06	1.05	1.05	1.05	1.06	1.05	1.05	1.05	1.05	1.05
45431	Fuel Dealers	1.06	1.06	1.06	1.05	1.05	1.05	1.06	1.05	1.05	1.05	1.05	1.05

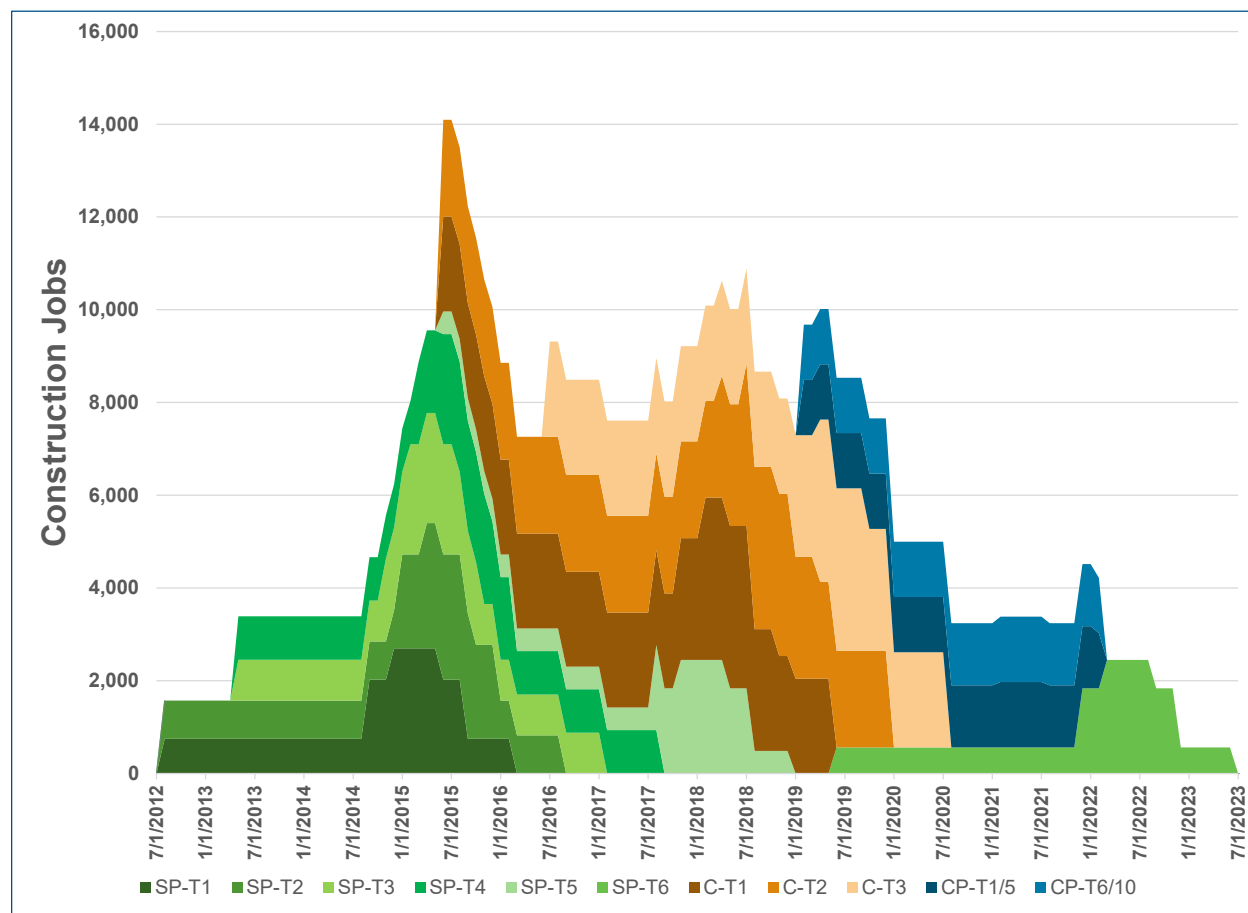
Source: Bureau of Economic Analysis (BEA) statistics, ICF analysis. These are ratios of Total FT and PT Employment from BEA's SAEMP25N table divided by BLS's traditional wage and salary employee jobs.

Oil and gas industry jobs in the state which relate to LNG export terminal construction and operation are considered separately in this report. Due to the nature of this part of the industry, BLS does not separately publish employment numbers at LNG facilities. To add further complication, each export terminal in Louisiana has undergone construction and significant expansion in recent years. These large-scale projects offer additional construction jobs to onsite workers in the state. In addition to construction workers, new ongoing full time and contractor positions are also created as terminals begin operation.

ICF has collected information on certain statistics pertaining to these ongoing LNG terminal projects, including the time periods of construction and applicable temporary and full time employment statistics. Exhibit 3-7 illustrates the change in construction employment overtime, where positions are created and ended with the timeline of each construction project and expansion. Employment changes are shown for each major liquefaction train construction project, which run in parallel across the various LNG export terminals in Louisiana.

LNG contractor positions are included in additional job estimates for Louisiana as discussed above. These estimates were also derived through ICF analysis of LNG employment data, rather than through BEA statistics as done for other job types which are not traditional wage and salary employee positions in other industry sectors.

Exhibit 3-7: Monthly Construction Jobs Created from Louisiana LNG Terminal Construction(s) and Expansion(s)



Source: ICF analysis of environmental assessments, press releases and financial statements of terminal operators.

Considering the above estimates, oil and gas activities in the Louisiana supported an average of 245,500 sectors jobs from 2008 through 2019, including 229,100 direct, indirect, and induced jobs in 2019. Sole proprietorships, partnerships, independent contractors, on-call, and temporary workers averaged 24,100 jobs over the same time period, including 20,700 in 2019. In total across these categories, the oil and gas industry supported 249,800 jobs in 2019. Louisiana had a total of approximately 2,745,000 jobs (including wage and salary employees, sole proprietorships, and independent contractors) in the same year, meaning oil and gas jobs represented 9% of the state total. Across non-farm private employees, oil and gas jobs represented 11% of jobs in the state (9% across both public and private non-farm employees).

Exhibit 3-8: Louisiana Jobs from Oil and Gas Activity

Sector	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Oil and gas Sector Jobs	103,682	101,035	96,824	98,499	103,089	105,748	108,031	110,958	97,291	95,025	96,380	94,173
Direct and Indirect Jobs	159,670	155,594	149,109	151,688	158,757	162,852	166,367	170,875	149,828	146,338	148,426	145,027
Induced Jobs	92,609	90,244	86,483	87,979	92,079	94,454	96,493	99,108	86,900	84,876	86,087	84,116
Total Direct, Indirect, and Induced Jobs	252,279	245,838	235,592	239,668	250,836	257,307	262,861	269,983	236,728	231,215	234,512	229,142
Other Jobs												
Sole Proprietorships, Partnerships, and Independent Contractors	22,165	22,480	27,435	21,972	30,191	30,147	26,214	19,490	27,508	21,321	19,301	20,696
Grand Total Job Count	274,445	268,319	263,028	261,639	281,027	287,454	289,074	289,472	264,236	252,536	253,813	249,838

Source: Bureau of Labor (BLS) statistics, Bureau of Economic Analysis (BEA) statistics, IMPLAN, and ICF analysis

3.1.3 Wages

In 2019, oil and gas production and related support industries paid \$6.89 billion in salaries to wage and salary workers, or an average of \$73,100 per oil and gas employee per year. This is substantially greater than the average compensation of \$49,700 per employee per year for all sectors of the Louisiana economy. Across all segments of the oil and gas value chain plus indirect and induced activity, salary worker wages totaled \$11.25 billion in 2019. Sole proprietorships, partnerships, independent contractors, on-call, and temporary workers which are also supported by oil and gas industries received \$3.26 billion in wages in 2019. This report assumes temporary workers and contractor salaries to be 77% of wage and salary workers across similar sectors.⁷ In total, the oil and gas industry paid \$14.5 billion in wages across all employees in 2019, including indirect and induced activity.

Exhibit 3-9: Louisiana Total Wages for Wage and Salary Workers from Oil and Gas Activity

(Million 2019\$)	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Oil and Gas Industry Total Wages	\$ 8,412	\$ 8,040	\$ 7,730	\$ 7,985	\$ 8,405	\$ 8,509	\$ 8,775	\$ 8,287	\$ 7,258	\$ 6,896	\$ 6,986	\$ 6,885
Oil and Gas Industry Direct and Indirect Wages	\$ 10,179	\$ 9,728	\$ 9,354	\$ 9,662	\$ 10,170	\$ 10,296	\$ 10,618	\$ 10,027	\$ 8,782	\$ 8,345	\$ 8,453	\$ 8,330
Oil and Gas Industry Induced Wages	\$ 3,563	\$ 3,405	\$ 3,274	\$ 3,382	\$ 3,560	\$ 3,604	\$ 3,716	\$ 3,509	\$ 3,074	\$ 2,921	\$ 2,959	\$ 2,916
Direct, Indirect, and Induced Oil/Gas Wages	\$ 13,741	\$ 13,133	\$ 12,628	\$ 13,043	\$ 13,730	\$ 13,900	\$ 14,335	\$ 13,536	\$ 11,855	\$ 11,265	\$ 11,411	\$ 11,246
Other Jobs												
Sole Proprietorships, Partnerships, and Independent Contractors	\$ 2,118	\$ 2,002	\$ 2,490	\$ 2,045	\$ 3,064	\$ 3,247	\$ 3,441	\$ 3,559	\$ 3,951	\$ 2,985	\$ 3,052	\$ 3,260

Source: Bureau of Labor (BLS) statistics, IMPLAN, and ICF analysis

⁷ Bureau of Labor Statistics, Contingent and Alternative Employment Arrangements – May 2017

3.1.4 Tax Revenues

Exhibit 3-10 shows the historical amounts of money that have been collected by the state annually through oil and gas taxes and fees. The largest two sources of revenue to the Louisiana economy are the personal income tax (\$495 million in 2019) and the gasoline tax (\$484 million in 2019). Oil and gas related activities in Louisiana created a cumulative \$22.6 billion in state and local tax revenue from 2015 through 2019, or an average of \$4.5 billion per year.

Exhibit 3-10: Louisiana Tax and Other Revenues from Oil and Gas Activity

Tax Source (Million 2019\$)	2015	2016	2017	2018	2019
Severance Taxes	\$ 770.4	\$ 468.8	\$ 373.0	\$ 432.8	\$ 478.7
Royalties, Bonuses, Royalty Overrides, and Rentals	\$ 405.8	\$ 201.4	\$ 202.9	\$ 197.4	\$ 222.9
Oil and Gas Fees	\$ 9.0	\$ 10.8	\$ 6.8	\$ 8.6	\$ 12.7
Gasoline Tax	\$ 493.7	\$ 503.4	\$ 504.3	\$ 464.8	\$ 484.1
Special Fuels Tax	\$ 154.4	\$ 155.7	\$ 158.9	\$ 146.3	\$ 152.3
<i>Subtotal Oil and Gas Specific Taxes</i>	<i>\$ 1,833.4</i>	<i>\$ 1,340.2</i>	<i>\$ 1,245.9</i>	<i>\$ 1,249.8</i>	<i>\$ 1,350.6</i>
Corporate Income Tax	\$ 159.2	\$ 68.9	\$ 129.0	\$ 156.1	\$ 199.6
Corporate Franchise Tax	\$ 52.6	\$ 23.0	\$ 43.0	\$ 52.0	\$ 66.6
Corporate Sales Tax	\$ 54.3	\$ 50.8	\$ 58.2	\$ 65.3	\$ 65.0
<i>Subtotal Corporate Taxes</i>	<i>\$ 266.1</i>	<i>\$ 142.6</i>	<i>\$ 230.1</i>	<i>\$ 273.4</i>	<i>\$ 331.2</i>
Personal Income Tax	\$ 582.8	\$ 538.8	\$ 474.9	\$ 489.4	\$ 494.5
Sales Tax	\$ 344.2	\$ 346.3	\$ 401.4	\$ 412.5	\$ 346.0
Other Categories	\$ 367.5	\$ 360.3	\$ 372.8	\$ 365.5	\$ 342.6
<i>State Taxes from Oil and Gas Workers</i>	<i>\$ 1,294.5</i>	<i>\$ 1,245.5</i>	<i>\$ 1,249.1</i>	<i>\$ 1,267.3</i>	<i>\$ 1,183.1</i>
Local Revenue from Energy Related Property Taxes	\$ 448.0	\$ 415.2	\$ 386.5	\$ 374.1	\$ 366.9
Property Taxes from Pipeline Companies	\$ 267.6	\$ 264.9	\$ 269.8	\$ 277.8	\$ 287.0
<i>Subtotal Local Property Taxes</i>	<i>\$ 715.5</i>	<i>\$ 680.1</i>	<i>\$ 656.4</i>	<i>\$ 652.0</i>	<i>\$ 653.9</i>
Local Revenue from Non-Energy Related Property Taxes	\$ 479.3	\$ 449.7	\$ 418.9	\$ 434.1	\$ 439.1
Parish Sales Tax	\$ 477.0	\$ 385.5	\$ 496.4	\$ 511.7	\$ 431.8
<i>Local Taxes from Oil and Gas Worker Spending</i>	<i>\$ 956.3</i>	<i>\$ 835.2</i>	<i>\$ 915.3</i>	<i>\$ 945.8</i>	<i>\$ 870.9</i>
State Revenue from GOMESA	\$ 2.7	\$ 1.1	\$ 1.4	\$ 86.5	\$ 97.6
State Revenue 8g	\$ 12.8	\$ 6.7	\$ 7.9	\$ 6.2	\$ 3.7
<i>Subtotal Offshore</i>	<i>\$ 15.5</i>	<i>\$ 7.8</i>	<i>\$ 9.3</i>	<i>\$ 92.6</i>	<i>\$ 101.3</i>
Grand Total Taxes	\$ 5,081.3	\$ 4,251.4	\$ 4,306.0	\$ 4,480.9	\$ 4,491.1

Sources: Louisiana Department of Revenue Annual Tax Collection Report(s), Energy Information Administration (EIA) statistics, Bureau of Labor statistics, Bureau of Economic Analysis statistics, Louisiana Tax Commission Annual Report(s), Louisiana Legislative Fiscal Office revenue documents, Louisiana Sales Tax Handbook, Office of Natural Resources Revenue GOMESA Statistics, ICF analysis; Tax estimates provided on a fiscal year basis (i.e., 2015: July 2015 – June 2016)

The largest category of revenues are those that are levied directly on working interest and royalty interests owners who are engaged in oil and gas production activities (that is, leasing land, drilling exploration wells, developing discoveries, and producing reserves). Exhibit 3-10 shows such direct taxes and fees, which include the severance tax; rental, bonus, royalty and royalty override income transferred to the state; gasoline tax; special fuels tax; and oil and gas conservation fees. In addition to the taxes and fees that can be directly linked to oil and gas industry activity, additional state taxes are paid by oil and gas industry companies and related parties. The major kinds of such “indirect” state taxes include:

- Corporate State Income, Franchise, and Sales Tax paid by companies,
- Personal State Income Tax paid by employees, stockholders and royalty interest holders, and

- Sales Tax and other categories paid through oil and gas worker spending.

At the local level, the oil and gas industry pays ad valorem property taxes which are levied annually against the owner or operator of the property. Taxes are based on the total assessed value of the property, with revenues distributed for various state, county, municipal, school district, and higher education purposes. Appendix B includes detailed Ad Valorem property taxes by parish and year for oil and gas industrial sectors. Other sources of local revenue include property taxes paid by oil and gas workers for residential and other types of properties, as well as parish and municipal level sales taxes.

Louisiana receives additional tax value through the federal Gulf of Mexico Energy Security Act (GOMESA) revenue sharing program. The GOMESA program shares federal revenue from lease bonuses, royalties, and rental payments from offshore production with coastal states in the Gulf of Mexico (Alabama, Mississippi, Texas, and Louisiana). Among other factors, the amount of total revenue shared and the distribution to each state is based on the price of crude oil and natural gas, the amount of qualified offshore production per program requirements (lease date, etc.), and the location the production occurs (how far from each state boundary). Due to recent Phase II revisions to the program which came in effect in 2017, state revenues to Louisiana have increased significantly in recent years.⁸

⁸ Gulf of Mexico Energy Security Act (GOMESA) <https://www.boem.gov/oil-gas-energy/energy-economics/gulf-mexico-energy-security-act-gomesa>

4 Conclusions

This report highlights the significance the oil and gas industry to the Louisiana economy and its importance to the state's residences and business. Louisiana supported the production of 738 million barrels of crude oil and lease condensate, 3.81 trillion cubic feet of dry (pipeline quality) natural gas, and 102.4 million barrels of natural gas plant liquids in 2019. At the point of first sale, these production volumes amounted to a total value of \$55.5 billion in the state. Recently constructed LNG export operations also provided \$7.1 billion in output value in the state in 2019. The oil and gas industry provides \$73.0 billion dollars of direct, indirect, and induced state income. State and local tax revenues also provided \$4.5 billion to the state economy throughout the supply chain in 2019.

In the eleven economic sectors representing "direct" oil and gas activity, there were a total of 94,200 private sector employees paid wages or salaries in the state in 2019. Additionally, there were 50,800 "indirect" employees paid wages or salaries in sectors that provided intermediate goods and services to the eleven direct oil and gas sectors. The spending of income earned in the direct and indirect sectors led to 84,100 "induced" jobs in Louisiana in 2019. Therefore, there were a total of 229,100 private sector employees paid wages or salaries in 2019 that were supported by oil and gas activity. For every direct employee in the oil and gas industry in the state, there are 1.43 additional employees supporting the state economy through indirect and induced effects. There were also approximately 20,700 jobs among sole proprietorships, partnerships, and independent contractors across the industry combining for a total of 249,800 jobs, or 11% of the non-farm private employee state total.

Appendix A: Detailed Jobs and Wages Data for the Oil and Gas Industry in Louisiana

BLS data utilized in this report refers to “traditional jobs” paying wages or salaries. The exception is that in some cases (e.g., refineries) the BLS withholds data to preserve proprietary information when the number of reporting companies is small. This can also occur as the level of granularity increases, for instance when data is extracted at the parish level. More complications also arise as data is withheld for a sector and parish, but only in particular years across a time series.

ICF estimated sector and parish level job and wage statistics using reported BLS data which: provide estimates for all data (reported and withheld), is consistent with reported data historically across each time series and matches BLS overall state reported totals. To accomplish this, ICF applied an algorithm which consisted of the following steps:

- 1) For each industry and parish where data is reported for at least one year in the time-series, an average employee per establishment from the reported data in that particular industry and parish is used to estimate all missing time-series data.
- 2) For each year, the remaining implied total employees that must be in the non-reporting counties is then computed based on state reported totals and the sum of the employees with data.
- 3) The implied employee total in the non-reporting counties is then divided by the number of establishments in non-reporting counties, computing the average number of missing employees per establishment in each year.
- 4) For counties where data in all years is withheld, an initial estimate was assigned for the employees in each industry and year using the values determined in Step 2) and 3) above.
- 5) As overall employee counts (reported and calculated) likely then do not exactly match state employee targets, ICF applied scaling factors to adjust non-reporting employee counts up or down for each year to match state totals.

The following exhibits provide more detailed job and wage estimates for all oil and gas industry sectors. Not included in the tables below are LNG export terminal full time positions and construction workers. These jobs represented an additional 10,500 positions in 2019, all located in Cameron Parish.

Exhibit A-1: Oil and Gas Extraction Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Oil and Gas Extraction	Acadia	18	16	16	19	17	14
Oil and Gas Extraction	Allen	0	0	0	0	0	0
Oil and Gas Extraction	Ascension	31	18	41	54	49	63
Oil and Gas Extraction	Assumption	10	11	9	10	23	28
Oil and Gas Extraction	Avoyelles	0	0	0	0	0	0
Oil and Gas Extraction	Beauregard	0	0	0	6	6	11
Oil and Gas Extraction	Bienville	36	57	43	47	50	80
Oil and Gas Extraction	Bossier	48	57	62	88	100	101
Oil and Gas Extraction	Caddo	910	982	901	1,024	1,067	1,047
Oil and Gas Extraction	Calcasieu	173	158	38	61	79	144
Oil and Gas Extraction	Caldwell	3	3	5	6	6	5
Oil and Gas Extraction	Cameron	98	69	57	88	73	41
Oil and Gas Extraction	Catahoula	0	0	0	0	0	11
Oil and Gas Extraction	Claiborne	32	31	36	36	52	49
Oil and Gas Extraction	Concordia	0	0	0	13	24	21
Oil and Gas Extraction	De Soto	46	36	83	80	73	74
Oil and Gas Extraction	East Baton Rouge	30	30	34	67	55	42
Oil and Gas Extraction	Evangeline	31	9	14	27	24	21
Oil and Gas Extraction	Franklin	0	0	0	0	12	11
Oil and Gas Extraction	Grant	0	9	14	13	12	21
Oil and Gas Extraction	Iberia	92	54	83	67	97	74
Oil and Gas Extraction	Iberville	15	9	14	13	0	0
Oil and Gas Extraction	Jackson	0	0	0	0	0	0
Oil and Gas Extraction	Jefferson	457	488	398	399	448	409
Oil and Gas Extraction	Jefferson Davis	68	112	64	84	100	109
Oil and Gas Extraction	Lafayette	1,127	1,140	997	1,131	1,298	1,267
Oil and Gas Extraction	Lafourche	478	457	601	636	584	542
Oil and Gas Extraction	LaSalle	92	54	97	94	97	84
Oil and Gas Extraction	Lincoln	22	24	39	25	54	53
Oil and Gas Extraction	Livingston	0	0	0	13	0	0
Oil and Gas Extraction	Morehouse	0	0	14	0	0	0
Oil and Gas Extraction	Natchitoches	31	18	14	13	0	11
Oil and Gas Extraction	Orleans	2,038	2,035	1,983	1,726	1,390	1,406
Oil and Gas Extraction	Ouachita	120	140	114	99	89	85
Oil and Gas Extraction	Plaquemines	897	596	650	759	765	839
Oil and Gas Extraction	Pointe Coupee	6	6	10	17	11	16
Oil and Gas Extraction	Rapides	0	0	0	13	12	0
Oil and Gas Extraction	Red River	15	9	14	40	37	32
Oil and Gas Extraction	Richland	0	9	14	0	0	0
Oil and Gas Extraction	Sabine	7	6	8	6	6	4
Oil and Gas Extraction	St. Bernard	46	27	28	27	24	21
Oil and Gas Extraction	St. Charles	0	0	28	27	24	21
Oil and Gas Extraction	St. James	31	18	28	27	24	11
Oil and Gas Extraction	St. John the Baptist	0	0	14	27	24	21
Oil and Gas Extraction	St. Landry	15	18	28	27	24	32
Oil and Gas Extraction	St. Martin	70	64	53	99	100	120
Oil and Gas Extraction	St. Mary	516	440	359	413	415	369
Oil and Gas Extraction	St. Tammany	40	579	472	30	732	793
Oil and Gas Extraction	Tangipahoa	31	18	14	13	12	21
Oil and Gas Extraction	Tensas	15	9	14	13	12	11
Oil and Gas Extraction	Terrebonne	183	127	193	215	256	211
Oil and Gas Extraction	Union	6	6	5	6	6	5
Oil and Gas Extraction	Vermilion	547	578	577	529	915	881
Oil and Gas Extraction	Vernon	0	0	0	0	24	21
Oil and Gas Extraction	Washington	0	0	0	0	0	0
Oil and Gas Extraction	Webster	76	36	69	67	73	74
Oil and Gas Extraction	West Baton Rouge	0	0	0	0	0	11
Oil and Gas Extraction	West Feliciana	0	0	0	0	0	0
Oil and Gas Extraction	Winn	55	60	48	75	75	72
Oil and Gas Extraction	Unknown	197	246	140	134	351	411

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-2: Oil and Gas Extraction Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Oil and Gas Extraction	Acadia	16	10	16	3	4	4
Oil and Gas Extraction	Allen	0	0	0	0	0	0
Oil and Gas Extraction	Ascension	36	19	0	0	0	0
Oil and Gas Extraction	Assumption	25	17	7	0	0	0
Oil and Gas Extraction	Avoyelles	0	0	0	0	0	19
Oil and Gas Extraction	Beauregard	9	10	11	10	18	22
Oil and Gas Extraction	Bienville	70	65	71	72	70	66
Oil and Gas Extraction	Bossier	77	73	103	59	62	70
Oil and Gas Extraction	Caddo	915	872	862	778	568	340
Oil and Gas Extraction	Calcasieu	141	145	129	62	70	66
Oil and Gas Extraction	Caldwell	8	7	6	5	8	7
Oil and Gas Extraction	Cameron	24	8	5	10	12	7
Oil and Gas Extraction	Catahoula	12	19	21	0	20	19
Oil and Gas Extraction	Claiborne	52	51	39	39	39	39
Oil and Gas Extraction	Concordia	24	39	63	44	61	56
Oil and Gas Extraction	De Soto	107	193	231	176	203	204
Oil and Gas Extraction	East Baton Rouge	23	13	11	9	26	180
Oil and Gas Extraction	Evangeline	12	19	21	0	20	19
Oil and Gas Extraction	Franklin	24	39	42	15	20	19
Oil and Gas Extraction	Grant	12	19	21	15	20	19
Oil and Gas Extraction	Iberia	71	96	126	88	122	111
Oil and Gas Extraction	Iberville	0	0	0	0	0	0
Oil and Gas Extraction	Jackson	12	19	21	0	20	37
Oil and Gas Extraction	Jefferson	378	391	333	207	187	172
Oil and Gas Extraction	Jefferson Davis	109	100	65	60	68	77
Oil and Gas Extraction	Lafayette	1,051	1,130	1,012	606	590	408
Oil and Gas Extraction	LaFourche	651	444	381	243	184	361
Oil and Gas Extraction	LaSalle	107	154	189	103	142	148
Oil and Gas Extraction	Lincoln	31	54	70	122	99	65
Oil and Gas Extraction	Livingston	0	0	0	0	20	0
Oil and Gas Extraction	Morehouse	12	0	0	0	0	0
Oil and Gas Extraction	Natchitoches	24	39	21	15	0	0
Oil and Gas Extraction	Orleans	1,501	1,494	1,214	989	920	960
Oil and Gas Extraction	Ouachita	75	51	43	98	87	61
Oil and Gas Extraction	Plaquemines	878	883	808	732	580	603
Oil and Gas Extraction	Pointe Coupee	13	15	8	3	0	9
Oil and Gas Extraction	Rapides	12	0	21	0	0	19
Oil and Gas Extraction	Red River	24	39	63	29	20	19
Oil and Gas Extraction	Richland	0	0	0	0	20	19
Oil and Gas Extraction	Sabine	4	3	4	3	4	4
Oil and Gas Extraction	St. Bernard	24	19	21	15	20	37
Oil and Gas Extraction	St. Charles	24	39	21	15	20	37
Oil and Gas Extraction	St. James	0	0	0	0	0	0
Oil and Gas Extraction	St. John the Baptist	24	39	0	0	0	0
Oil and Gas Extraction	St. Landry	47	77	63	59	81	74
Oil and Gas Extraction	St. Martin	162	150	138	142	121	122
Oil and Gas Extraction	St. Mary	323	278	225	209	200	176
Oil and Gas Extraction	St. Tammany	696	679	647	484	944	978
Oil and Gas Extraction	Tangipahoa	36	58	21	15	20	19
Oil and Gas Extraction	Tensas	12	19	21	15	20	0
Oil and Gas Extraction	Terrebonne	225	173	189	103	122	111
Oil and Gas Extraction	Union	5	5	2	3	6	8
Oil and Gas Extraction	Vermilion	812	639	388	256	191	145
Oil and Gas Extraction	Vernon	12	19	21	0	0	0
Oil and Gas Extraction	Washington	0	0	21	15	0	0
Oil and Gas Extraction	Webster	71	116	147	103	183	167
Oil and Gas Extraction	West Baton Rouge	12	19	21	0	0	0
Oil and Gas Extraction	West Feliciana	12	19	0	0	0	0
Oil and Gas Extraction	Winn	42	44	35	31	35	39
Oil and Gas Extraction	Unknown	348	207	132	187	136	262

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-3: Drilling Oil and Gas Wells Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Drilling Oil and Gas Wells	Acadia	205	93	222	228	120	99
Drilling Oil and Gas Wells	Allen	0	0	0	0	0	0
Drilling Oil and Gas Wells	Ascension	41	23	44	57	0	0
Drilling Oil and Gas Wells	Assumption	41	23	44	57	0	0
Drilling Oil and Gas Wells	Avoyelles	2	2	3	5	5	5
Drilling Oil and Gas Wells	Beauregard	41	23	44	57	24	20
Drilling Oil and Gas Wells	Bienville	123	70	89	57	24	20
Drilling Oil and Gas Wells	Bossier	214	124	144	192	109	74
Drilling Oil and Gas Wells	Caddo	271	321	273	203	198	116
Drilling Oil and Gas Wells	Calcasieu	24	14	26	25	30	20
Drilling Oil and Gas Wells	Caldwell	41	23	44	0	0	0
Drilling Oil and Gas Wells	Cameron	41	47	133	114	48	39
Drilling Oil and Gas Wells	Catahoula	82	47	89	57	24	20
Drilling Oil and Gas Wells	Claiborne	0	0	44	57	24	20
Drilling Oil and Gas Wells	Concordia	218	116	231	168	163	107
Drilling Oil and Gas Wells	De Soto	193	306	210	195	264	216
Drilling Oil and Gas Wells	East Baton Rouge	472	319	388	539	430	270
Drilling Oil and Gas Wells	Evangeline	41	23	44	0	0	0
Drilling Oil and Gas Wells	Franklin	82	23	44	57	0	0
Drilling Oil and Gas Wells	Grant	41	23	44	57	0	0
Drilling Oil and Gas Wells	Iberia	1,862	1,197	1,026	1,157	1,381	1,809
Drilling Oil and Gas Wells	Iberville	41	23	44	57	24	20
Drilling Oil and Gas Wells	Jackson	0	23	44	0	0	0
Drilling Oil and Gas Wells	Jefferson	356	687	567	350	593	349
Drilling Oil and Gas Wells	Jefferson Davis	73	86	66	57	74	49
Drilling Oil and Gas Wells	Lafayette	2,563	2,173	2,345	2,817	2,496	2,164
Drilling Oil and Gas Wells	Lafourche	0	0	0	0	0	0
Drilling Oil and Gas Wells	LaSalle	15	48	35	17	16	11
Drilling Oil and Gas Wells	Lincoln	41	23	44	57	0	0
Drilling Oil and Gas Wells	Livingston	0	0	0	0	0	0
Drilling Oil and Gas Wells	Madison	0	0	0	0	0	0
Drilling Oil and Gas Wells	Morehouse	0	0	0	0	0	0
Drilling Oil and Gas Wells	Natchitoches	41	23	44	57	24	20
Drilling Oil and Gas Wells	Orleans	123	70	89	171	72	59
Drilling Oil and Gas Wells	Ouachita	39	34	31	30	30	16
Drilling Oil and Gas Wells	Plaquemines	41	23	44	57	24	0
Drilling Oil and Gas Wells	Pointe Coupee	0	0	0	0	0	0
Drilling Oil and Gas Wells	Rapides	41	23	44	57	24	0
Drilling Oil and Gas Wells	Red River	0	0	0	0	0	0
Drilling Oil and Gas Wells	Richland	0	0	0	0	0	0
Drilling Oil and Gas Wells	Sabine	8	10	9	8	16	11
Drilling Oil and Gas Wells	St. Charles	0	0	0	0	0	0
Drilling Oil and Gas Wells	St. James	0	23	44	57	24	20
Drilling Oil and Gas Wells	St. John the Baptist	0	0	0	0	0	0
Drilling Oil and Gas Wells	St. Landry	41	47	89	57	24	20
Drilling Oil and Gas Wells	St. Martin	82	97	89	86	84	73
Drilling Oil and Gas Wells	St. Mary	82	47	44	57	48	39
Drilling Oil and Gas Wells	St. Tammany	65	212	259	241	227	149
Drilling Oil and Gas Wells	Tangipahoa	41	23	44	57	0	0
Drilling Oil and Gas Wells	Tensas	0	0	0	0	0	0
Drilling Oil and Gas Wells	Terrebonne	1,928	1,277	926	562	535	914
Drilling Oil and Gas Wells	Union	0	0	44	57	24	20
Drilling Oil and Gas Wells	Vermilion	123	23	89	114	24	20
Drilling Oil and Gas Wells	Vernon	41	0	0	0	24	0
Drilling Oil and Gas Wells	Washington	41	23	44	57	24	20
Drilling Oil and Gas Wells	Webster	82	47	89	114	48	39
Drilling Oil and Gas Wells	West Baton Rouge	0	0	0	0	0	0
Drilling Oil and Gas Wells	Winn	44	29	47	46	28	29
Drilling Oil and Gas Wells	Unknown	134	1,055	819	454	287	227

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-4: Drilling Oil and Gas Wells Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Drilling Oil and Gas Wells	Acadia	79	70	60	94	79	42
Drilling Oil and Gas Wells	Allen	0	0	0	0	16	8
Drilling Oil and Gas Wells	Ascension	0	0	0	0	0	0
Drilling Oil and Gas Wells	Assumption	0	0	0	0	0	0
Drilling Oil and Gas Wells	Avoyelles	3	2	1	1	2	2
Drilling Oil and Gas Wells	Beauregard	20	47	20	0	0	0
Drilling Oil and Gas Wells	Bienville	20	23	0	0	0	0
Drilling Oil and Gas Wells	Bossier	36	27	17	13	14	25
Drilling Oil and Gas Wells	Caddo	96	72	44	41	91	76
Drilling Oil and Gas Wells	Calcasieu	6	2	1	5	9	13
Drilling Oil and Gas Wells	Caldwell	20	23	20	23	16	8
Drilling Oil and Gas Wells	Cameron	20	23	20	0	16	0
Drilling Oil and Gas Wells	Catahoula	20	23	20	23	32	17
Drilling Oil and Gas Wells	Claiborne	20	23	20	23	16	8
Drilling Oil and Gas Wells	Concordia	98	44	30	34	67	55
Drilling Oil and Gas Wells	De Soto	145	189	219	249	253	233
Drilling Oil and Gas Wells	East Baton Rouge	30	147	20	38	9	31
Drilling Oil and Gas Wells	Evangeline	0	0	0	0	0	8
Drilling Oil and Gas Wells	Franklin	0	0	0	0	16	8
Drilling Oil and Gas Wells	Grant	0	0	0	23	16	0
Drilling Oil and Gas Wells	Iberia	1,864	985	677	772	938	1,047
Drilling Oil and Gas Wells	Iberville	20	23	20	23	0	0
Drilling Oil and Gas Wells	Jackson	0	0	0	0	0	0
Drilling Oil and Gas Wells	Jefferson	332	290	219	112	110	91
Drilling Oil and Gas Wells	Jefferson Davis	45	30	21	16	46	38
Drilling Oil and Gas Wells	Lafayette	1,756	1,018	619	706	391	703
Drilling Oil and Gas Wells	Lafourche	0	0	0	0	0	8
Drilling Oil and Gas Wells	LaSalle	10	7	5	5	10	8
Drilling Oil and Gas Wells	Lincoln	0	0	20	0	0	8
Drilling Oil and Gas Wells	Livingston	0	0	0	0	0	8
Drilling Oil and Gas Wells	Madison	0	0	0	0	0	0
Drilling Oil and Gas Wells	Morehouse	20	23	20	23	16	8
Drilling Oil and Gas Wells	Natchitoches	20	0	0	0	16	8
Drilling Oil and Gas Wells	Orleans	59	47	40	47	32	17
Drilling Oil and Gas Wells	Ouachita	16	16	8	6	12	32
Drilling Oil and Gas Wells	Plaquemines	0	0	0	0	0	8
Drilling Oil and Gas Wells	Pointe Coupee	0	0	0	0	0	8
Drilling Oil and Gas Wells	Rapides	0	0	0	23	16	0
Drilling Oil and Gas Wells	Red River	0	0	20	23	16	0
Drilling Oil and Gas Wells	Richland	0	0	0	0	0	0
Drilling Oil and Gas Wells	Sabine	26	26	11	10	31	35
Drilling Oil and Gas Wells	St. Charles	0	0	0	0	0	0
Drilling Oil and Gas Wells	St. James	0	0	0	23	16	8
Drilling Oil and Gas Wells	St. John the Baptist	20	23	40	23	16	8
Drilling Oil and Gas Wells	St. Landry	40	47	40	70	32	17
Drilling Oil and Gas Wells	St. Martin	67	124	49	35	86	55
Drilling Oil and Gas Wells	St. Mary	40	23	20	23	32	17
Drilling Oil and Gas Wells	St. Tammany	226	144	111	37	140	135
Drilling Oil and Gas Wells	Tangipahoa	0	0	0	0	0	0
Drilling Oil and Gas Wells	Tensas	0	0	0	0	0	0
Drilling Oil and Gas Wells	Terrebonne	739	660	399	397	401	401
Drilling Oil and Gas Wells	Union	0	0	0	0	0	0
Drilling Oil and Gas Wells	Vermilion	40	0	0	0	0	0
Drilling Oil and Gas Wells	Vernon	0	0	0	0	0	0
Drilling Oil and Gas Wells	Washington	20	23	20	0	0	0
Drilling Oil and Gas Wells	Webster	40	23	20	23	16	0
Drilling Oil and Gas Wells	West Baton Rouge	0	0	0	0	16	8
Drilling Oil and Gas Wells	Winn	27	18	8	14	27	15
Drilling Oil and Gas Wells	Unknown	560	345	259	472	537	549

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-5: Support Activities for Oil and Gas Operations Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Support Activities for Oil and Gas Operations	Acadia	196	187	182	200	243	271
Support Activities for Oil and Gas Operations	Allen	0	0	0	0	21	29
Support Activities for Oil and Gas Operations	Ascension	36	90	50	40	54	23
Support Activities for Oil and Gas Operations	Assumption	25	22	21	23	31	37
Support Activities for Oil and Gas Operations	Avoyelles	61	75	114	208	282	249
Support Activities for Oil and Gas Operations	Beauregard	26	18	18	13	12	10
Support Activities for Oil and Gas Operations	Bienville	100	65	84	77	78	87
Support Activities for Oil and Gas Operations	Bossier	1,265	1,354	1,705	2,431	2,035	1,291
Support Activities for Oil and Gas Operations	Caddo	856	1,089	1,150	1,482	1,480	1,367
Support Activities for Oil and Gas Operations	Calcasieu	728	913	756	711	802	428
Support Activities for Oil and Gas Operations	Caldwell	51	32	27	83	42	29
Support Activities for Oil and Gas Operations	Cameron	19	18	20	22	32	32
Support Activities for Oil and Gas Operations	Catahoula	39	30	36	39	52	44
Support Activities for Oil and Gas Operations	Claiborne	369	316	368	504	569	459
Support Activities for Oil and Gas Operations	Concordia	53	49	116	118	102	78
Support Activities for Oil and Gas Operations	De Soto	143	169	314	229	280	271
Support Activities for Oil and Gas Operations	East Baton Rouge	192	261	161	100	111	141
Support Activities for Oil and Gas Operations	East Carroll	0	0	27	42	21	15
Support Activities for Oil and Gas Operations	East Feliciana	0	0	0	0	0	0
Support Activities for Oil and Gas Operations	Evangeline	12	8	6	16	19	19
Support Activities for Oil and Gas Operations	Franklin	0	2	0	2	7	5
Support Activities for Oil and Gas Operations	Grant	26	32	27	42	42	29
Support Activities for Oil and Gas Operations	Iberia	1,761	1,659	1,948	1,737	1,933	1,909
Support Activities for Oil and Gas Operations	Iberville	134	123	313	345	329	237
Support Activities for Oil and Gas Operations	Jackson	9	8	8	9	10	20
Support Activities for Oil and Gas Operations	Jefferson	1,426	1,302	1,193	1,198	935	649
Support Activities for Oil and Gas Operations	Jefferson Davis	78	80	143	139	111	124
Support Activities for Oil and Gas Operations	Lafayette	12,266	10,584	10,237	10,139	11,573	11,932
Support Activities for Oil and Gas Operations	Lafourche	500	452	459	441	701	1,020
Support Activities for Oil and Gas Operations	LaSalle	243	214	204	197	312	344
Support Activities for Oil and Gas Operations	Lincoln	114	113	81	121	60	153
Support Activities for Oil and Gas Operations	Livingston	9	12	23	20	20	14
Support Activities for Oil and Gas Operations	Madison	0	0	0	0	0	0
Support Activities for Oil and Gas Operations	Morehouse	51	32	27	42	21	15
Support Activities for Oil and Gas Operations	Natchitoches	0	0	2	2	2	7
Support Activities for Oil and Gas Operations	Orleans	1,117	1,032	899	890	794	909
Support Activities for Oil and Gas Operations	Ouachita	26	22	22	26	35	47
Support Activities for Oil and Gas Operations	Plaquemines	738	659	659	672	611	639
Support Activities for Oil and Gas Operations	Pointe Coupee	50	68	69	101	142	115
Support Activities for Oil and Gas Operations	Rapides	92	114	141	138	173	137
Support Activities for Oil and Gas Operations	Red River	26	32	54	125	42	44
Support Activities for Oil and Gas Operations	Richland	39	48	36	45	40	45
Support Activities for Oil and Gas Operations	Sabine	3	3	3	4	20	15
Support Activities for Oil and Gas Operations	St. Bernard	51	32	54	83	42	29
Support Activities for Oil and Gas Operations	St. Charles	90	82	75	77	77	71
Support Activities for Oil and Gas Operations	St. Helena	0	0	0	0	0	0
Support Activities for Oil and Gas Operations	St. James	26	16	27	42	21	0
Support Activities for Oil and Gas Operations	St. John the Baptist	410	309	365	468	447	520
Support Activities for Oil and Gas Operations	St. Landry	121	104	91	114	161	211
Support Activities for Oil and Gas Operations	St. Martin	175	169	171	178	212	236
Support Activities for Oil and Gas Operations	St. Mary	3,088	2,625	2,757	2,673	2,885	2,910
Support Activities for Oil and Gas Operations	St. Tammany	183	191	236	309	299	371
Support Activities for Oil and Gas Operations	Tangipahoa	26	24	24	35	49	40
Support Activities for Oil and Gas Operations	Terrebonne	3,613	3,421	3,430	3,367	3,439	3,971
Support Activities for Oil and Gas Operations	Union	26	32	82	125	64	58
Support Activities for Oil and Gas Operations	Vermilion	518	475	504	474	624	779
Support Activities for Oil and Gas Operations	Vernon	0	0	0	0	0	0
Support Activities for Oil and Gas Operations	Washington	26	16	27	83	42	29
Support Activities for Oil and Gas Operations	Webster	340	327	315	329	353	393
Support Activities for Oil and Gas Operations	West Baton Rouge	26	0	0	0	21	15
Support Activities for Oil and Gas Operations	West Carroll	26	16	27	42	42	29
Support Activities for Oil and Gas Operations	West Feliciana	0	0	0	0	0	0
Support Activities for Oil and Gas Operations	Winn	0	1	3	3	5	4
Support Activities for Oil and Gas Operations	Unknown	145	204	272	288	289	259

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Economic Importance of the Louisiana Oil and Natural Gas Industry

Exhibit A-6: Support Activities for Oil and Gas Operations Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Support Activities for Oil and Gas Operati	Acadia	230	195	200	206	226	199
Support Activities for Oil and Gas Operati	Allen	15	13	11	15	41	36
Support Activities for Oil and Gas Operati	Ascension	48	30	20	15	38	52
Support Activities for Oil and Gas Operati	Assumption	38	27	23	27	28	13
Support Activities for Oil and Gas Operati	Avoyelles	125	68	43	40	49	32
Support Activities for Oil and Gas Operati	Beauregard	13	10	9	4	6	6
Support Activities for Oil and Gas Operati	Bienville	61	30	55	69	120	129
Support Activities for Oil and Gas Operati	Bossier	1,196	1,176	882	924	1,156	1,095
Support Activities for Oil and Gas Operati	Caddo	1,272	1,081	685	787	1,288	1,381
Support Activities for Oil and Gas Operati	Calcasieu	650	437	308	359	466	542
Support Activities for Oil and Gas Operati	Caldwell	44	52	32	45	61	36
Support Activities for Oil and Gas Operati	Cameron	28	25	18	10	9	12
Support Activities for Oil and Gas Operati	Catahoula	38	27	23	25	36	25
Support Activities for Oil and Gas Operati	Claiborne	352	351	297	290	357	327
Support Activities for Oil and Gas Operati	Concordia	74	56	42	40	46	51
Support Activities for Oil and Gas Operati	De Soto	401	304	238	301	416	348
Support Activities for Oil and Gas Operati	East Baton Rouge	177	138	154	214	306	230
Support Activities for Oil and Gas Operati	East Carroll	15	13	11	15	20	18
Support Activities for Oil and Gas Operati	East Feliciana	0	0	0	0	0	0
Support Activities for Oil and Gas Operati	Evangeline	16	11	9	10	10	19
Support Activities for Oil and Gas Operati	Franklin	2	5	5	4	9	11
Support Activities for Oil and Gas Operati	Grant	15	26	21	15	20	36
Support Activities for Oil and Gas Operati	Iberia	1,611	1,265	1,149	1,131	1,058	1,061
Support Activities for Oil and Gas Operati	Iberville	166	137	115	80	66	51
Support Activities for Oil and Gas Operati	Jackson	24	29	12	11	0	0
Support Activities for Oil and Gas Operati	Jefferson	634	483	240	538	588	497
Support Activities for Oil and Gas Operati	Jefferson Davis	98	97	96	78	78	80
Support Activities for Oil and Gas Operati	Lafayette	13,546	11,343	8,682	7,694	7,544	7,398
Support Activities for Oil and Gas Operati	Lafourche	1,099	1,105	861	986	483	485
Support Activities for Oil and Gas Operati	LaSalle	289	237	182	159	186	181
Support Activities for Oil and Gas Operati	Lincoln	157	109	75	95	118	101
Support Activities for Oil and Gas Operati	Livingston	9	10	8	6	7	3
Support Activities for Oil and Gas Operati	Madison	0	0	0	0	0	0
Support Activities for Oil and Gas Operati	Morehouse	15	13	11	15	20	18
Support Activities for Oil and Gas Operati	Natchitoches	15	13	14	11	9	12
Support Activities for Oil and Gas Operati	Orleans	922	642	207	326	393	479
Support Activities for Oil and Gas Operati	Ouachita	45	37	21	21	22	25
Support Activities for Oil and Gas Operati	Plaquemines	719	634	411	335	426	236
Support Activities for Oil and Gas Operati	Pointe Coupee	128	103	52	64	79	103
Support Activities for Oil and Gas Operati	Rapides	138	75	53	39	10	47
Support Activities for Oil and Gas Operati	Red River	29	26	11	30	41	54
Support Activities for Oil and Gas Operati	Richland	42	22	18	17	21	30
Support Activities for Oil and Gas Operati	Sabine	8	6	4	8	9	10
Support Activities for Oil and Gas Operati	St. Bernard	15	13	11	15	20	18
Support Activities for Oil and Gas Operati	St. Charles	69	94	61	29	36	35
Support Activities for Oil and Gas Operati	St. Helena	0	0	0	0	0	0
Support Activities for Oil and Gas Operati	St. James	15	0	0	0	0	0
Support Activities for Oil and Gas Operati	St. John the Baptist	399	394	333	331	298	366
Support Activities for Oil and Gas Operati	St. Landry	228	199	158	118	146	130
Support Activities for Oil and Gas Operati	St. Martin	217	242	172	126	155	190
Support Activities for Oil and Gas Operati	St. Mary	2,320	1,905	1,806	1,260	1,371	1,241
Support Activities for Oil and Gas Operati	St. Tammany	525	453	329	257	247	214
Support Activities for Oil and Gas Operati	Tangipahoa	42	34	24	11	7	7
Support Activities for Oil and Gas Operati	Terrebonne	3,877	4,871	3,649	3,306	3,502	3,851
Support Activities for Oil and Gas Operati	Union	73	65	32	30	20	18
Support Activities for Oil and Gas Operati	Vermilion	867	733	714	714	784	761
Support Activities for Oil and Gas Operati	Vernon	0	0	0	3	0	3
Support Activities for Oil and Gas Operati	Washington	29	13	11	15	20	18
Support Activities for Oil and Gas Operati	Webster	361	297	273	262	349	366
Support Activities for Oil and Gas Operati	West Baton Rouge	15	13	11	30	41	54
Support Activities for Oil and Gas Operati	West Carroll	29	26	21	30	20	18
Support Activities for Oil and Gas Operati	West Feliciana	0	0	0	0	0	0
Support Activities for Oil and Gas Operati	Winn	1	1	1	1	0	0
Support Activities for Oil and Gas Operati	Unknown	240	230	162	150	199	630

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-7: Natural Gas Distribution Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Natural Gas Distribution	Acadia	13	14	16	15	13	10
Natural Gas Distribution	Allen	13	14	16	15	13	10
Natural Gas Distribution	Ascension	60	59	55	46	36	36
Natural Gas Distribution	Avoyelles	13	14	16	15	13	10
Natural Gas Distribution	Beauregard	13	14	16	15	13	10
Natural Gas Distribution	Bienville	0	0	0	0	0	0
Natural Gas Distribution	Bossier	157	156	157	127	120	97
Natural Gas Distribution	Caddo	420	444	463	511	503	581
Natural Gas Distribution	Calcasieu	39	46	71	69	69	65
Natural Gas Distribution	Cameron	13	14	33	31	27	20
Natural Gas Distribution	Concordia	0	0	0	0	0	0
Natural Gas Distribution	De Soto	0	0	0	0	0	0
Natural Gas Distribution	East Baton Rouge	13	14	16	15	13	10
Natural Gas Distribution	Evangeline	26	28	33	31	27	20
Natural Gas Distribution	Franklin	0	0	0	0	0	0
Natural Gas Distribution	Iberia	13	14	16	15	13	10
Natural Gas Distribution	Jackson	0	0	0	0	0	0
Natural Gas Distribution	Jefferson	40	42	49	46	40	31
Natural Gas Distribution	Jefferson Davis	13	14	16	15	13	10
Natural Gas Distribution	Lafayette	95	94	96	96	67	65
Natural Gas Distribution	Lafourche	54	54	54	56	70	52
Natural Gas Distribution	LaSalle	0	0	0	0	0	0
Natural Gas Distribution	Lincoln	33	31	30	30	44	42
Natural Gas Distribution	Livingston	0	0	0	0	0	10
Natural Gas Distribution	Madison	0	0	0	0	0	0
Natural Gas Distribution	Morehouse	13	14	16	15	13	20
Natural Gas Distribution	Natchitoches	13	28	33	31	27	20
Natural Gas Distribution	Orleans	40	42	66	61	67	61
Natural Gas Distribution	Ouachita	26	28	33	46	40	20
Natural Gas Distribution	Plaquemines	13	14	33	31	13	10
Natural Gas Distribution	Rapides	26	28	33	31	27	20
Natural Gas Distribution	Red River	0	0	0	15	0	0
Natural Gas Distribution	Richland	13	14	16	15	13	20
Natural Gas Distribution	Sabine	0	0	0	0	0	0
Natural Gas Distribution	St. Bernard	13	14	33	31	27	20
Natural Gas Distribution	St. Charles	13	14	16	15	13	10
Natural Gas Distribution	St. John the Baptist	0	0	0	0	0	0
Natural Gas Distribution	St. Landry	26	28	33	31	27	20
Natural Gas Distribution	St. Martin	0	0	0	0	0	0
Natural Gas Distribution	St. Mary	0	0	0	0	0	0
Natural Gas Distribution	St. Tammany	66	56	49	31	27	20
Natural Gas Distribution	Tangipahoa	13	14	33	31	27	20
Natural Gas Distribution	Terrebonne	0	0	0	0	0	0
Natural Gas Distribution	Vermilion	26	28	16	15	13	10
Natural Gas Distribution	Vernon	13	14	16	15	13	10
Natural Gas Distribution	Washington	13	14	16	15	13	10
Natural Gas Distribution	Webster	13	14	16	15	13	10
Natural Gas Distribution	West Carroll	0	0	0	0	0	0
Natural Gas Distribution	West Feliciana	13	14	16	15	13	10
Natural Gas Distribution	Winn	0	0	0	0	0	0
Natural Gas Distribution	Unknown	0	0	0	15	13	10

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-8: Natural Gas Distribution Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Natural Gas Distribution	Acadia	13	13	14	26	26	20
Natural Gas Distribution	Allen	13	0	0	0	0	0
Natural Gas Distribution	Ascension	38	36	22	13	14	15
Natural Gas Distribution	Avoyelles	13	13	14	0	0	0
Natural Gas Distribution	Beauregard	13	13	14	13	13	10
Natural Gas Distribution	Bienville	0	0	0	13	13	10
Natural Gas Distribution	Bossier	117	102	81	105	110	120
Natural Gas Distribution	Caddo	456	450	339	302	296	359
Natural Gas Distribution	Calcasieu	80	39	41	36	39	38
Natural Gas Distribution	Cameron	26	13	14	13	13	10
Natural Gas Distribution	Concordia	0	0	0	0	0	0
Natural Gas Distribution	De Soto	0	0	0	0	0	0
Natural Gas Distribution	East Baton Rouge	13	13	14	13	26	20
Natural Gas Distribution	Evangeline	26	25	28	26	26	20
Natural Gas Distribution	Franklin	0	0	0	0	0	0
Natural Gas Distribution	Iberia	13	13	14	13	0	0
Natural Gas Distribution	Jackson	0	0	0	0	0	0
Natural Gas Distribution	Jefferson	26	25	28	26	26	20
Natural Gas Distribution	Jefferson Davis	13	13	14	13	0	0
Natural Gas Distribution	Lafayette	31	23	18	31	33	37
Natural Gas Distribution	Lafourche	50	36	27	16	9	10
Natural Gas Distribution	LaSalle	0	0	0	0	0	0
Natural Gas Distribution	Lincoln	34	43	26	23	25	28
Natural Gas Distribution	Livingston	13	13	14	13	13	10
Natural Gas Distribution	Madison	0	0	0	0	0	0
Natural Gas Distribution	Morehouse	26	25	28	26	26	20
Natural Gas Distribution	Natchitoches	13	13	28	26	26	20
Natural Gas Distribution	Orleans	52	51	42	39	26	20
Natural Gas Distribution	Ouachita	26	25	28	26	26	20
Natural Gas Distribution	Plaquemines	13	0	0	0	0	0
Natural Gas Distribution	Rapides	13	13	14	13	13	10
Natural Gas Distribution	Red River	0	0	0	0	0	0
Natural Gas Distribution	Richland	26	25	28	26	26	20
Natural Gas Distribution	Sabine	0	0	0	0	0	0
Natural Gas Distribution	St. Bernard	26	13	14	13	13	10
Natural Gas Distribution	St. Charles	13	13	14	13	13	10
Natural Gas Distribution	St. John the Baptist	0	0	0	0	0	0
Natural Gas Distribution	St. Landry	26	25	28	13	13	10
Natural Gas Distribution	St. Martin	0	0	0	13	13	10
Natural Gas Distribution	St. Mary	0	0	0	0	0	0
Natural Gas Distribution	St. Tammany	26	25	28	26	39	41
Natural Gas Distribution	Tangipahoa	26	13	14	13	13	10
Natural Gas Distribution	Terrebonne	0	0	0	0	13	10
Natural Gas Distribution	Vermilion	26	13	14	13	13	10
Natural Gas Distribution	Vernon	13	13	14	13	13	10
Natural Gas Distribution	Washington	13	13	14	26	26	20
Natural Gas Distribution	Webster	13	13	14	13	13	10
Natural Gas Distribution	West Carroll	0	0	0	0	0	0
Natural Gas Distribution	West Feliciana	13	13	14	13	13	10
Natural Gas Distribution	Winn	0	0	0	0	0	0
Natural Gas Distribution	Unknown	13	13	14	13	13	31

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-9: Oil and Gas Pipeline Construction Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Oil and Gas Pipeline Construction	Acadia	285	272	227	379	467	492
Oil and Gas Pipeline Construction	Allen	190	359	123	117	49	39
Oil and Gas Pipeline Construction	Ascension	624	385	285	652	199	736
Oil and Gas Pipeline Construction	Assumption	95	61	25	28	26	27
Oil and Gas Pipeline Construction	Avoyelles	0	90	31	39	25	19
Oil and Gas Pipeline Construction	Beauregard	63	90	31	0	25	39
Oil and Gas Pipeline Construction	Bienville	63	90	61	0	25	19
Oil and Gas Pipeline Construction	Bossier	320	158	198	95	58	92
Oil and Gas Pipeline Construction	Caddo	249	108	113	169	171	61
Oil and Gas Pipeline Construction	Calcasieu	1,357	1,011	718	768	924	1,090
Oil and Gas Pipeline Construction	Caldwell	63	90	31	39	25	19
Oil and Gas Pipeline Construction	Cameron	33	32	26	29	27	29
Oil and Gas Pipeline Construction	Claiborne	0	0	31	39	25	19
Oil and Gas Pipeline Construction	De Soto	67	64	51	203	735	451
Oil and Gas Pipeline Construction	East Baton Rouge	6,846	8,350	5,247	4,869	5,594	6,285
Oil and Gas Pipeline Construction	East Feliciana	0	180	92	117	49	19
Oil and Gas Pipeline Construction	Evangeline	0	0	31	39	25	19
Oil and Gas Pipeline Construction	Franklin	63	0	0	0	25	19
Oil and Gas Pipeline Construction	Grant	0	0	0	0	0	0
Oil and Gas Pipeline Construction	Iberia	427	408	1,267	1,424	1,583	998
Oil and Gas Pipeline Construction	Iberville	322	172	257	242	482	435
Oil and Gas Pipeline Construction	Jackson	63	90	31	39	25	19
Oil and Gas Pipeline Construction	Jefferson	971	447	198	164	179	203
Oil and Gas Pipeline Construction	Jefferson Davis	127	180	31	39	25	19
Oil and Gas Pipeline Construction	Lafayette	358	238	298	402	596	772
Oil and Gas Pipeline Construction	Lafourche	190	269	92	155	74	39
Oil and Gas Pipeline Construction	LaSalle	0	0	0	0	25	19
Oil and Gas Pipeline Construction	Lincoln	67	37	36	136	83	43
Oil and Gas Pipeline Construction	Livingston	63	269	123	194	123	117
Oil and Gas Pipeline Construction	Madison	127	180	31	0	0	0
Oil and Gas Pipeline Construction	Morehouse	0	0	0	0	25	19
Oil and Gas Pipeline Construction	Natchitoches	63	0	0	0	0	0
Oil and Gas Pipeline Construction	Orleans	95	121	101	97	130	130
Oil and Gas Pipeline Construction	Ouachita	38	368	66	135	94	32
Oil and Gas Pipeline Construction	Plaquemines	61	58	49	68	50	53
Oil and Gas Pipeline Construction	Pointe Coupee	63	0	0	0	0	19
Oil and Gas Pipeline Construction	Rapides	37	11	27	20	19	20
Oil and Gas Pipeline Construction	Red River	63	90	0	0	0	0
Oil and Gas Pipeline Construction	Richland	63	180	61	39	25	39
Oil and Gas Pipeline Construction	St. Bernard	127	90	61	78	49	19
Oil and Gas Pipeline Construction	St. Charles	1,437	1,226	838	883	712	607
Oil and Gas Pipeline Construction	St. James	76	36	13	92	78	66
Oil and Gas Pipeline Construction	St. John the Baptist	28	17	28	32	29	31
Oil and Gas Pipeline Construction	St. Landry	61	58	65	72	64	35
Oil and Gas Pipeline Construction	St. Martin	168	236	224	199	205	193
Oil and Gas Pipeline Construction	St. Mary	108	76	124	101	111	107
Oil and Gas Pipeline Construction	St. Tammany	28	53	67	99	69	73
Oil and Gas Pipeline Construction	Tangipahoa	31	19	19	22	38	9
Oil and Gas Pipeline Construction	Terrebonne	688	563	598	597	622	663
Oil and Gas Pipeline Construction	Union	63	180	61	78	49	39
Oil and Gas Pipeline Construction	Vermilion	63	0	61	78	49	39
Oil and Gas Pipeline Construction	Vernon	0	0	0	0	0	0
Oil and Gas Pipeline Construction	Webster	481	432	341	284	263	277
Oil and Gas Pipeline Construction	West Baton Rouge	331	189	316	411	380	457
Oil and Gas Pipeline Construction	West Carroll	0	0	0	0	0	0
Oil and Gas Pipeline Construction	West Feliciana	63	90	61	39	25	19
Oil and Gas Pipeline Construction	Winn	0	90	31	39	25	19
Oil and Gas Pipeline Construction	Unknown	61	257	92	60	55	461

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-10: Oil and Gas Pipeline Construction Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Oil and Gas Pipeline Construction	Acadia	448	449	206	209	227	280
Oil and Gas Pipeline Construction	Allen	21	32	46	69	48	40
Oil and Gas Pipeline Construction	Ascension	1,136	2,084	1,765	1,212	904	1,407
Oil and Gas Pipeline Construction	Assumption	55	50	46	77	76	94
Oil and Gas Pipeline Construction	Avoyelles	21	32	46	137	97	79
Oil and Gas Pipeline Construction	Beauregard	41	95	93	69	193	158
Oil and Gas Pipeline Construction	Bienville	21	63	93	137	48	0
Oil and Gas Pipeline Construction	Bossier	92	87	129	228	198	230
Oil and Gas Pipeline Construction	Caddo	62	52	60	86	66	65
Oil and Gas Pipeline Construction	Calcasieu	2,518	1,932	2,108	1,902	1,440	1,523
Oil and Gas Pipeline Construction	Caldwell	21	32	46	69	48	40
Oil and Gas Pipeline Construction	Cameron	28	26	99	11	40	32
Oil and Gas Pipeline Construction	Claiborne	21	32	93	137	97	119
Oil and Gas Pipeline Construction	De Soto	127	100	32	90	135	270
Oil and Gas Pipeline Construction	East Baton Rouge	4,788	4,555	5,906	6,943	6,206	4,022
Oil and Gas Pipeline Construction	East Feliciana	21	63	93	137	48	79
Oil and Gas Pipeline Construction	Evangeline	0	0	0	69	48	79
Oil and Gas Pipeline Construction	Franklin	0	0	0	0	0	0
Oil and Gas Pipeline Construction	Grant	0	32	46	0	0	0
Oil and Gas Pipeline Construction	Iberia	773	1,234	927	294	273	136
Oil and Gas Pipeline Construction	Iberville	325	297	243	365	403	418
Oil and Gas Pipeline Construction	Jackson	21	32	46	0	0	0
Oil and Gas Pipeline Construction	Jefferson	204	150	167	184	215	209
Oil and Gas Pipeline Construction	Jefferson Davis	21	32	93	137	97	79
Oil and Gas Pipeline Construction	Lafayette	623	970	821	599	481	418
Oil and Gas Pipeline Construction	Lafourche	62	126	139	206	48	40
Oil and Gas Pipeline Construction	LaSalle	21	32	46	69	0	0
Oil and Gas Pipeline Construction	Lincoln	61	84	43	52	57	70
Oil and Gas Pipeline Construction	Livingston	62	63	46	137	145	40
Oil and Gas Pipeline Construction	Madison	0	0	0	0	0	0
Oil and Gas Pipeline Construction	Morehouse	21	32	46	69	48	40
Oil and Gas Pipeline Construction	Natchitoches	0	0	46	0	0	0
Oil and Gas Pipeline Construction	Orleans	164	39	106	201	130	309
Oil and Gas Pipeline Construction	Ouachita	41	90	75	42	39	25
Oil and Gas Pipeline Construction	Plaquemines	66	52	91	56	49	36
Oil and Gas Pipeline Construction	Pointe Coupee	21	32	0	0	0	0
Oil and Gas Pipeline Construction	Rapides	20	18	17	8	9	11
Oil and Gas Pipeline Construction	Red River	0	0	0	69	0	0
Oil and Gas Pipeline Construction	Richland	21	32	46	69	48	40
Oil and Gas Pipeline Construction	St. Bernard	21	32	0	0	0	0
Oil and Gas Pipeline Construction	St. Charles	603	461	338	343	373	230
Oil and Gas Pipeline Construction	St. James	49	30	41	28	15	19
Oil and Gas Pipeline Construction	St. John the Baptist	31	35	32	26	7	17
Oil and Gas Pipeline Construction	St. Landry	52	48	59	45	32	40
Oil and Gas Pipeline Construction	St. Martin	240	220	121	123	178	110
Oil and Gas Pipeline Construction	St. Mary	55	50	46	8	76	62
Oil and Gas Pipeline Construction	St. Tammany	60	66	61	61	112	165
Oil and Gas Pipeline Construction	Tangipahoa	9	8	0	0	0	20
Oil and Gas Pipeline Construction	Terrebonne	749	635	620	664	691	672
Oil and Gas Pipeline Construction	Union	21	32	46	206	97	79
Oil and Gas Pipeline Construction	Vermilion	41	63	139	69	97	79
Oil and Gas Pipeline Construction	Vernon	21	32	46	69	48	40
Oil and Gas Pipeline Construction	Webster	245	224	201	90	102	71
Oil and Gas Pipeline Construction	West Baton Rouge	512	365	239	145	264	325
Oil and Gas Pipeline Construction	West Carroll	21	32	46	69	0	0
Oil and Gas Pipeline Construction	West Feliciana	41	95	93	137	48	0
Oil and Gas Pipeline Construction	Winn	21	32	139	275	193	158
Oil and Gas Pipeline Construction	Unknown	128	193	221	287	480	308

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-11: Petroleum Refineries Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Petroleum Refineries	Acadia	129	79	86	76	70	62
Petroleum Refineries	Allen	65	79	86	76	70	62
Petroleum Refineries	Ascension	323	397	430	382	351	310
Petroleum Refineries	Assumption	0	0	0	0	0	0
Petroleum Refineries	Avoyelles	65	79	86	76	70	62
Petroleum Refineries	Beauregard	0	0	0	0	0	0
Petroleum Refineries	Bienville	0	0	0	0	0	0
Petroleum Refineries	Bossier	0	0	0	0	0	0
Petroleum Refineries	Caddo	6	5	5	8	5	7
Petroleum Refineries	Calcasieu	2,239	2,125	2,081	2,031	2,037	2,030
Petroleum Refineries	Cameron	0	0	0	0	0	0
Petroleum Refineries	Concordia	65	79	86	76	70	62
Petroleum Refineries	East Baton Rouge	776	954	947	764	913	806
Petroleum Refineries	East Carroll	65	79	86	76	70	62
Petroleum Refineries	East Feliciana	65	79	0	0	70	62
Petroleum Refineries	Evangeline	65	79	86	76	70	62
Petroleum Refineries	Franklin	65	79	86	76	70	62
Petroleum Refineries	Iberia	0	0	0	0	0	0
Petroleum Refineries	Iberville	65	79	86	76	70	62
Petroleum Refineries	Jackson	0	0	0	0	0	0
Petroleum Refineries	Jefferson	48	45	13	9	13	12
Petroleum Refineries	Jefferson Davis	0	0	0	0	0	0
Petroleum Refineries	Lafayette	7	7	7	7	18	22
Petroleum Refineries	Lafourche	65	79	86	76	70	62
Petroleum Refineries	LaSalle	0	0	0	0	0	0
Petroleum Refineries	Lincoln	65	0	0	0	0	0
Petroleum Refineries	Livingston	129	159	258	229	211	124
Petroleum Refineries	Morehouse	65	79	86	76	70	62
Petroleum Refineries	Natchitoches	0	0	0	0	0	0
Petroleum Refineries	Orleans	323	318	258	229	211	186
Petroleum Refineries	Ouachita	65	79	86	76	70	62
Petroleum Refineries	Plaquemines	194	238	258	76	70	124
Petroleum Refineries	Rapides	0	0	0	0	0	0
Petroleum Refineries	St. Bernard	839	780	761	765	811	987
Petroleum Refineries	St. Charles	1,650	1,227	1,198	1,505	1,594	1,941
Petroleum Refineries	St. James	129	159	172	153	140	124
Petroleum Refineries	St. John the Baptist	867	806	787	791	838	1,020
Petroleum Refineries	St. Landry	194	238	172	153	140	124
Petroleum Refineries	St. Mary	0	0	0	0	0	0
Petroleum Refineries	St. Tammany	129	159	172	153	140	124
Petroleum Refineries	Tangipahoa	65	79	86	76	70	62
Petroleum Refineries	Terrebonne	259	318	344	306	140	124
Petroleum Refineries	Vermilion	129	159	172	153	140	124
Petroleum Refineries	Webster	65	79	86	76	140	62
Petroleum Refineries	West Baton Rouge	194	238	258	229	211	186
Petroleum Refineries	West Carroll	65	79	86	76	70	62
Petroleum Refineries	West Feliciana	0	0	0	0	0	0
Petroleum Refineries	Winn	0	0	0	0	0	0
Petroleum Refineries	Unknown	7	3	3	2	4	9

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-12: Petroleum Refineries Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Petroleum Refineries	Acadia	80	98	224	0	0	0
Petroleum Refineries	Allen	80	98	0	0	0	0
Petroleum Refineries	Ascension	320	393	224	227	392	0
Petroleum Refineries	Assumption	0	0	0	0	0	0
Petroleum Refineries	Avoyelles	80	98	0	0	0	0
Petroleum Refineries	Beauregard	0	0	0	0	0	0
Petroleum Refineries	Bienville	80	98	224	227	196	159
Petroleum Refineries	Bossier	0	0	0	454	392	317
Petroleum Refineries	Caddo	6	8	11	12	12	15
Petroleum Refineries	Calcasieu	2,043	2,051	2,055	2,012	2,006	2,015
Petroleum Refineries	Cameron	0	0	0	0	0	0
Petroleum Refineries	Concordia	80	98	0	0	0	0
Petroleum Refineries	East Baton Rouge	961	982	1,345	1,588	1,568	1,269
Petroleum Refineries	East Carroll	80	0	0	0	0	0
Petroleum Refineries	East Feliciana	80	98	224	227	196	159
Petroleum Refineries	Evangeline	80	98	0	0	0	0
Petroleum Refineries	Franklin	80	98	0	0	0	0
Petroleum Refineries	Iberia	0	0	0	0	0	0
Petroleum Refineries	Iberville	80	98	0	0	0	0
Petroleum Refineries	Jackson	0	0	0	0	0	0
Petroleum Refineries	Jefferson	11	12	5	12	4	0
Petroleum Refineries	Jefferson Davis	0	0	0	0	0	0
Petroleum Refineries	Lafayette	10	9	7	6	3	0
Petroleum Refineries	Lafourche	160	196	224	227	196	159
Petroleum Refineries	LaSalle	0	0	0	227	196	159
Petroleum Refineries	Lincoln	0	0	0	0	0	0
Petroleum Refineries	Livingston	160	196	0	0	196	0
Petroleum Refineries	Morehouse	80	98	0	0	0	0
Petroleum Refineries	Natchitoches	0	0	0	0	0	0
Petroleum Refineries	Orleans	240	196	224	227	196	159
Petroleum Refineries	Ouachita	80	98	0	0	0	0
Petroleum Refineries	Plaquemines	80	98	224	227	196	317
Petroleum Refineries	Rapides	0	0	0	0	0	0
Petroleum Refineries	St. Bernard	951	849	742	726	747	914
Petroleum Refineries	St. Charles	1,496	1,336	1,168	1,416	1,176	1,439
Petroleum Refineries	St. James	160	196	448	227	392	317
Petroleum Refineries	St. John the Baptist	983	877	767	750	772	945
Petroleum Refineries	St. Landry	160	196	224	227	196	317
Petroleum Refineries	St. Mary	0	0	0	0	0	0
Petroleum Refineries	St. Tammany	80	98	0	0	0	0
Petroleum Refineries	Tangipahoa	80	98	0	0	0	0
Petroleum Refineries	Terrebonne	160	196	224	227	196	159
Petroleum Refineries	Vermilion	80	0	0	0	0	0
Petroleum Refineries	Webster	80	98	224	0	0	0
Petroleum Refineries	West Baton Rouge	401	295	672	681	784	635
Petroleum Refineries	West Carroll	80	98	0	0	0	0
Petroleum Refineries	West Feliciana	0	0	0	0	0	0
Petroleum Refineries	Winn	0	0	0	0	0	0
Petroleum Refineries	Unknown	6	4	0	3	5	10

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-13: Asphalt Paving and Roofing Material Manufacturing Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Asphalt Paving and Roofing Material Man	Ascension	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Bossier	0	0	0	0	37	39
Asphalt Paving and Roofing Material Man	Caddo	0	45	38	43	37	39
Asphalt Paving and Roofing Material Man	Calcasieu	0	0	38	43	37	39
Asphalt Paving and Roofing Material Man	Catahoula	0	0	0	43	37	39
Asphalt Paving and Roofing Material Man	East Baton Rouge	96	90	76	43	37	39
Asphalt Paving and Roofing Material Man	Jefferson	0	0	38	43	37	39
Asphalt Paving and Roofing Material Man	Lafayette	48	45	38	43	37	39
Asphalt Paving and Roofing Material Man	Madison	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Natchitoches	0	0	0	0	37	39
Asphalt Paving and Roofing Material Man	Orleans	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Ouachita	48	45	38	43	37	39
Asphalt Paving and Roofing Material Man	Rapides	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Sabine	48	45	38	43	37	39
Asphalt Paving and Roofing Material Man	St. Bernard	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	St. Charles	48	45	38	43	73	78
Asphalt Paving and Roofing Material Man	St. James	0	0	0	43	37	39
Asphalt Paving and Roofing Material Man	St. Landry	48	45	38	0	0	0
Asphalt Paving and Roofing Material Man	St. Mary	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	St. Tammany	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Washington	48	45	38	43	37	39
Asphalt Paving and Roofing Material Man	Webster	48	0	0	0	0	0
Asphalt Paving and Roofing Material Man	West Baton Rouge	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Unknown	0	0	38	43	37	39

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-14: Asphalt Paving and Roofing Material Manufacturing Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Asphalt Paving and Roofing Material Man	Ascension	0	0	0	0	0	39
Asphalt Paving and Roofing Material Man	Bossier	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	Caddo	43	55	95	94	95	77
Asphalt Paving and Roofing Material Man	Calcasieu	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	Catahoula	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	East Baton Rouge	43	0	0	0	0	39
Asphalt Paving and Roofing Material Man	Jefferson	43	55	48	0	0	0
Asphalt Paving and Roofing Material Man	Lafayette	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	Madison	0	0	0	0	47	39
Asphalt Paving and Roofing Material Man	Natchitoches	43	0	48	47	47	39
Asphalt Paving and Roofing Material Man	Orleans	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	Ouachita	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	Rapides	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Sabine	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	St. Bernard	0	0	48	47	47	39
Asphalt Paving and Roofing Material Man	St. Charles	86	110	95	94	95	116
Asphalt Paving and Roofing Material Man	St. James	43	55	48	47	47	39
Asphalt Paving and Roofing Material Man	St. Landry	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	St. Mary	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	St. Tammany	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Washington	43	55	48	47	47	77
Asphalt Paving and Roofing Material Man	Webster	0	0	0	47	0	0
Asphalt Paving and Roofing Material Man	West Baton Rouge	0	0	0	0	0	0
Asphalt Paving and Roofing Material Man	Unknown	0	0	0	0	0	0

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-15: Petroleum Merchant Wholesales Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Petroleum Merchant Wholesalers	Acadia	32	12	9	7	7	5
Petroleum Merchant Wholesalers	Allen	51	26	15	16	16	14
Petroleum Merchant Wholesalers	Ascension	75	87	63	64	64	40
Petroleum Merchant Wholesalers	Assumption	26	26	15	16	16	14
Petroleum Merchant Wholesalers	Avoyelles	37	34	27	27	31	37
Petroleum Merchant Wholesalers	Beauregard	26	26	15	16	16	14
Petroleum Merchant Wholesalers	Bienville	26	26	30	33	33	14
Petroleum Merchant Wholesalers	Bossier	86	65	68	63	81	84
Petroleum Merchant Wholesalers	Caddo	167	147	120	125	113	106
Petroleum Merchant Wholesalers	Calcasieu	155	141	155	143	155	105
Petroleum Merchant Wholesalers	Caldwell	26	26	15	0	0	0
Petroleum Merchant Wholesalers	Cameron	69	61	70	72	58	68
Petroleum Merchant Wholesalers	Catahoula	7	7	5	5	6	7
Petroleum Merchant Wholesalers	Claiborne	29	27	24	23	26	30
Petroleum Merchant Wholesalers	Concordia	26	26	15	16	16	14
Petroleum Merchant Wholesalers	De Soto	26	26	15	16	16	0
Petroleum Merchant Wholesalers	East Baton Rouge	98	99	93	96	100	120
Petroleum Merchant Wholesalers	East Carroll	26	26	15	16	16	14
Petroleum Merchant Wholesalers	East Feliciana	0	0	0	0	0	14
Petroleum Merchant Wholesalers	Evangeline	17	16	13	13	15	17
Petroleum Merchant Wholesalers	Franklin	12	12	12	11	6	7
Petroleum Merchant Wholesalers	Iberia	15	13	11	11	20	20
Petroleum Merchant Wholesalers	Iberville	51	26	30	33	33	28
Petroleum Merchant Wholesalers	Jefferson	685	663	642	612	661	665
Petroleum Merchant Wholesalers	Jefferson Davis	199	159	144	150	87	99
Petroleum Merchant Wholesalers	Lafayette	92	89	86	58	69	78
Petroleum Merchant Wholesalers	Lafourche	82	80	84	108	103	100
Petroleum Merchant Wholesalers	LaSalle	26	26	30	33	33	28
Petroleum Merchant Wholesalers	Lincoln	26	26	15	16	16	0
Petroleum Merchant Wholesalers	Livingston	26	51	30	33	33	14
Petroleum Merchant Wholesalers	Madison	26	26	15	16	16	14
Petroleum Merchant Wholesalers	Morehouse	26	26	15	16	16	14
Petroleum Merchant Wholesalers	Natchitoches	26	26	0	0	0	0
Petroleum Merchant Wholesalers	Orleans	7	8	8	16	5	4
Petroleum Merchant Wholesalers	Ouachita	27	25	20	20	11	14
Petroleum Merchant Wholesalers	Plaquemines	47	41	43	42	37	35
Petroleum Merchant Wholesalers	Pointe Coupee	26	26	15	0	0	0
Petroleum Merchant Wholesalers	Rapides	7	7	3	3	6	7
Petroleum Merchant Wholesalers	Richland	26	26	15	16	16	14
Petroleum Merchant Wholesalers	Sabine	26	26	15	16	16	14
Petroleum Merchant Wholesalers	St. Bernard	51	51	30	33	33	28
Petroleum Merchant Wholesalers	St. Charles	41	44	44	35	36	39
Petroleum Merchant Wholesalers	St. Helena	0	0	0	0	0	0
Petroleum Merchant Wholesalers	St. James	58	87	86	63	69	73
Petroleum Merchant Wholesalers	St. John the Baptist	26	26	15	33	16	14
Petroleum Merchant Wholesalers	St. Landry	57	60	60	52	40	47
Petroleum Merchant Wholesalers	St. Martin	26	26	0	0	33	41
Petroleum Merchant Wholesalers	St. Mary	52	41	61	61	54	53
Petroleum Merchant Wholesalers	St. Tammany	17	15	20	69	13	13
Petroleum Merchant Wholesalers	Tangipahoa	40	43	40	38	34	58
Petroleum Merchant Wholesalers	Tensas	26	26	15	0	0	0
Petroleum Merchant Wholesalers	Terrebonne	32	34	45	47	44	48
Petroleum Merchant Wholesalers	Union	77	77	45	49	49	41
Petroleum Merchant Wholesalers	Vermilion	181	192	155	154	141	149
Petroleum Merchant Wholesalers	Vernon	21	20	20	14	14	15
Petroleum Merchant Wholesalers	Washington	24	22	18	18	28	37
Petroleum Merchant Wholesalers	Webster	56	59	82	66	73	85
Petroleum Merchant Wholesalers	West Baton Rouge	51	51	30	33	49	28
Petroleum Merchant Wholesalers	West Carroll	0	0	0	0	0	0
Petroleum Merchant Wholesalers	West Feliciana	39	25	21	20	20	17
Petroleum Merchant Wholesalers	Winn	26	26	15	16	16	28
Petroleum Merchant Wholesalers	Unknown	2	2	3	4	3	3

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-16: Petroleum Merchant Wholesales Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Petroleum Merchant Wholesalers	Acadia	5	5	4	4	4	7
Petroleum Merchant Wholesalers	Allen	12	14	0	0	0	12
Petroleum Merchant Wholesalers	Ascension	18	19	35	34	33	39
Petroleum Merchant Wholesalers	Assumption	12	14	14	13	15	12
Petroleum Merchant Wholesalers	Avoyelles	53	43	45	47	51	57
Petroleum Merchant Wholesalers	Beauregard	0	0	0	0	0	0
Petroleum Merchant Wholesalers	Bienville	12	14	14	13	15	12
Petroleum Merchant Wholesalers	Bossier	100	56	53	55	30	31
Petroleum Merchant Wholesalers	Caddo	105	107	122	130	202	163
Petroleum Merchant Wholesalers	Calcasieu	102	109	120	128	140	170
Petroleum Merchant Wholesalers	Caldwell	0	0	0	0	15	12
Petroleum Merchant Wholesalers	Cameron	66	48	16	26	17	18
Petroleum Merchant Wholesalers	Catahoula	13	11	11	12	11	7
Petroleum Merchant Wholesalers	Claiborne	20	21	20	19	19	22
Petroleum Merchant Wholesalers	Concordia	12	14	14	13	15	12
Petroleum Merchant Wholesalers	De Soto	0	0	0	0	0	0
Petroleum Merchant Wholesalers	East Baton Rouge	100	109	115	136	134	145
Petroleum Merchant Wholesalers	East Carroll	12	14	14	13	15	12
Petroleum Merchant Wholesalers	East Feliciana	25	29	28	40	15	12
Petroleum Merchant Wholesalers	Evangeline	29	17	15	15	22	17
Petroleum Merchant Wholesalers	Franklin	7	7	7	6	6	7
Petroleum Merchant Wholesalers	Iberia	20	20	17	20	20	31
Petroleum Merchant Wholesalers	Iberville	25	14	28	27	30	24
Petroleum Merchant Wholesalers	Jefferson	694	661	531	464	438	409
Petroleum Merchant Wholesalers	Jefferson Davis	92	55	54	54	46	66
Petroleum Merchant Wholesalers	Lafayette	95	94	57	60	59	76
Petroleum Merchant Wholesalers	Lafourche	106	223	227	250	258	250
Petroleum Merchant Wholesalers	LaSalle	25	29	28	27	30	24
Petroleum Merchant Wholesalers	Lincoln	0	0	14	13	15	12
Petroleum Merchant Wholesalers	Livingston	25	29	28	27	15	12
Petroleum Merchant Wholesalers	Madison	12	14	14	13	15	12
Petroleum Merchant Wholesalers	Morehouse	12	14	14	13	15	12
Petroleum Merchant Wholesalers	Natchitoches	25	29	28	27	30	24
Petroleum Merchant Wholesalers	Orleans	9	7	7	7	7	7
Petroleum Merchant Wholesalers	Ouachita	38	38	37	35	40	40
Petroleum Merchant Wholesalers	Plaquemines	58	58	52	48	57	68
Petroleum Merchant Wholesalers	Pointe Coupee	0	0	0	0	0	0
Petroleum Merchant Wholesalers	Rapides	12	7	7	3	3	4
Petroleum Merchant Wholesalers	Richland	12	14	14	13	15	12
Petroleum Merchant Wholesalers	Sabine	25	29	28	27	30	24
Petroleum Merchant Wholesalers	St. Bernard	0	0	0	0	0	12
Petroleum Merchant Wholesalers	St. Charles	39	29	29	34	34	29
Petroleum Merchant Wholesalers	St. Helena	0	0	0	0	0	12
Petroleum Merchant Wholesalers	St. James	77	80	90	91	90	91
Petroleum Merchant Wholesalers	St. John the Baptist	12	14	0	0	0	0
Petroleum Merchant Wholesalers	St. Landry	56	58	61	60	56	75
Petroleum Merchant Wholesalers	St. Martin	25	29	28	27	30	12
Petroleum Merchant Wholesalers	St. Mary	52	50	31	30	25	22
Petroleum Merchant Wholesalers	St. Tammany	16	18	11	21	27	27
Petroleum Merchant Wholesalers	Tangipahoa	47	48	32	34	26	19
Petroleum Merchant Wholesalers	Tensas	0	0	0	0	0	0
Petroleum Merchant Wholesalers	Terrebonne	50	47	26	22	37	38
Petroleum Merchant Wholesalers	Union	37	43	42	40	45	36
Petroleum Merchant Wholesalers	Vermilion	135	115	74	61	56	59
Petroleum Merchant Wholesalers	Vernon	13	15	16	13	4	5
Petroleum Merchant Wholesalers	Washington	34	36	33	30	31	34
Petroleum Merchant Wholesalers	Webster	91	96	91	92	96	98
Petroleum Merchant Wholesalers	West Baton Rouge	12	0	0	0	0	0
Petroleum Merchant Wholesalers	West Carroll	0	0	0	0	0	0
Petroleum Merchant Wholesalers	West Feliciana	16	17	15	15	14	17
Petroleum Merchant Wholesalers	Winn	25	14	14	13	15	12
Petroleum Merchant Wholesalers	Unknown	4	2	3	14	14	4

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-17: Pipeline Transportation Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Pipeline Transportation	Acadia	276	165	156	149	163	174
Pipeline Transportation	Allen	39	43	46	73	67	56
Pipeline Transportation	Ascension	41	51	91	112	122	109
Pipeline Transportation	Assumption	39	37	33	32	33	29
Pipeline Transportation	Avoyelles	19	19	16	16	16	14
Pipeline Transportation	Beauregard	26	28	31	32	31	37
Pipeline Transportation	Bienville	78	85	77	112	207	276
Pipeline Transportation	Bossier	27	29	28	26	26	43
Pipeline Transportation	Caddo	127	153	235	330	331	67
Pipeline Transportation	Calcasieu	146	146	139	140	141	326
Pipeline Transportation	Caldwell	58	56	49	47	49	43
Pipeline Transportation	Cameron	39	43	43	43	36	25
Pipeline Transportation	Claiborne	19	19	16	16	16	29
Pipeline Transportation	De Soto	27	20	36	38	31	26
Pipeline Transportation	East Baton Rouge	65	90	169	164	69	57
Pipeline Transportation	East Carroll	19	19	16	16	16	0
Pipeline Transportation	East Feliciana	17	37	76	79	74	76
Pipeline Transportation	Evangeline	0	0	0	0	0	14
Pipeline Transportation	Franklin	19	19	16	16	16	0
Pipeline Transportation	Grant	0	0	0	16	16	29
Pipeline Transportation	Iberia	19	19	16	16	16	14
Pipeline Transportation	Iberville	103	37	38	41	59	42
Pipeline Transportation	Jackson	0	0	0	0	0	14
Pipeline Transportation	Jefferson	58	56	66	63	65	58
Pipeline Transportation	Jefferson Davis	0	0	0	0	0	14
Pipeline Transportation	Lafayette	132	126	131	129	138	139
Pipeline Transportation	Lafourche	106	109	71	69	67	72
Pipeline Transportation	LaSalle	39	37	33	32	33	29
Pipeline Transportation	Lincoln	17	19	7	6	6	16
Pipeline Transportation	Livingston	19	19	16	16	16	14
Pipeline Transportation	Madison	19	19	16	16	16	14
Pipeline Transportation	Morehouse	19	19	16	16	16	14
Pipeline Transportation	Natchitoches	40	38	38	43	47	34
Pipeline Transportation	Orleans	19	19	16	16	16	14
Pipeline Transportation	Ouachita	66	75	73	75	62	47
Pipeline Transportation	Plaquemines	34	37	40	43	39	49
Pipeline Transportation	Pointe Coupee	19	19	16	16	16	14
Pipeline Transportation	Rapides	43	38	37	41	49	45
Pipeline Transportation	Red River	0	0	16	16	16	14
Pipeline Transportation	Richland	13	16	17	16	23	25
Pipeline Transportation	Sabine	0	0	0	16	33	29
Pipeline Transportation	St. Bernard	17	19	20	29	22	16
Pipeline Transportation	St. Charles	11	12	7	6	6	8
Pipeline Transportation	St. Helena	19	19	16	16	16	29
Pipeline Transportation	St. James	7	16	17	16	17	21
Pipeline Transportation	St. John the Baptist	0	0	0	0	0	0
Pipeline Transportation	St. Landry	86	87	86	70	82	97
Pipeline Transportation	St. Martin	0	0	16	16	16	14
Pipeline Transportation	St. Mary	104	92	96	93	93	128
Pipeline Transportation	St. Tammany	19	19	16	16	33	29
Pipeline Transportation	Tangipahoa	0	0	0	0	0	0
Pipeline Transportation	Tensas	19	19	16	16	16	14
Pipeline Transportation	Terrebonne	183	186	233	240	212	191
Pipeline Transportation	Union	0	0	0	0	0	0
Pipeline Transportation	Vermilion	13	14	15	14	15	37
Pipeline Transportation	Washington	23	24	24	24	17	12
Pipeline Transportation	Webster	9	10	11	10	10	44
Pipeline Transportation	West Baton Rouge	39	37	33	32	33	29
Pipeline Transportation	West Carroll	19	19	16	16	16	29
Pipeline Transportation	West Feliciana	39	19	16	16	16	14
Pipeline Transportation	Unknown	33	60	35	27	21	28

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-18: Pipeline Transportation Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Pipeline Transportation	Acadia	167	135	54	53	88	98
Pipeline Transportation	Allen	55	67	56	51	32	36
Pipeline Transportation	Ascension	91	74	42	37	43	45
Pipeline Transportation	Assumption	32	44	34	33	23	25
Pipeline Transportation	Avoyelles	16	15	11	11	12	8
Pipeline Transportation	Beauregard	38	35	31	45	30	43
Pipeline Transportation	Bienville	271	134	62	49	50	55
Pipeline Transportation	Bossier	29	59	56	55	100	97
Pipeline Transportation	Caddo	166	244	196	110	121	136
Pipeline Transportation	Calcasieu	341	314	347	326	281	323
Pipeline Transportation	Caldwell	49	59	46	44	46	25
Pipeline Transportation	Cameron	28	52	57	49	53	46
Pipeline Transportation	Claiborne	32	29	23	22	23	17
Pipeline Transportation	De Soto	25	46	76	72	73	70
Pipeline Transportation	East Baton Rouge	87	172	201	219	213	224
Pipeline Transportation	East Carroll	0	15	11	11	12	8
Pipeline Transportation	East Feliciana	78	80	86	85	85	84
Pipeline Transportation	Evangeline	16	15	11	11	12	8
Pipeline Transportation	Franklin	0	15	11	11	12	25
Pipeline Transportation	Grant	16	15	11	22	12	17
Pipeline Transportation	Iberia	16	15	11	22	23	8
Pipeline Transportation	Iberville	41	34	28	34	32	36
Pipeline Transportation	Jackson	0	0	0	0	0	0
Pipeline Transportation	Jefferson	65	74	46	33	35	25
Pipeline Transportation	Jefferson Davis	16	15	11	11	12	25
Pipeline Transportation	Lafayette	127	159	111	111	112	109
Pipeline Transportation	Lafourche	75	74	74	63	59	59
Pipeline Transportation	LaSalle	32	29	23	22	23	17
Pipeline Transportation	Lincoln	8	7	5	15	14	28
Pipeline Transportation	Livingston	16	15	11	11	23	17
Pipeline Transportation	Madison	16	15	11	11	23	17
Pipeline Transportation	Morehouse	16	15	11	11	12	8
Pipeline Transportation	Natchitoches	36	48	47	40	39	43
Pipeline Transportation	Orleans	16	15	0	11	12	17
Pipeline Transportation	Ouachita	39	50	42	34	32	40
Pipeline Transportation	Plaquemines	32	39	33	30	49	49
Pipeline Transportation	Pointe Coupee	16	15	11	11	12	8
Pipeline Transportation	Rapides	46	51	67	64	64	52
Pipeline Transportation	Red River	16	15	11	11	12	8
Pipeline Transportation	Richland	23	27	26	28	29	28
Pipeline Transportation	Sabine	16	15	11	11	12	8
Pipeline Transportation	St. Bernard	16	24	16	10	14	10
Pipeline Transportation	St. Charles	16	28	31	36	36	34
Pipeline Transportation	St. Helena	32	15	11	11	12	8
Pipeline Transportation	St. James	21	17	37	40	46	47
Pipeline Transportation	St. John the Baptist	0	0	46	44	46	34
Pipeline Transportation	St. Landry	90	86	83	82	84	85
Pipeline Transportation	St. Martin	16	15	11	11	12	8
Pipeline Transportation	St. Mary	124	133	76	43	31	47
Pipeline Transportation	St. Tammany	32	15	23	22	12	8
Pipeline Transportation	Tangipahoa	0	29	23	11	12	8
Pipeline Transportation	Tensas	16	15	11	11	12	8
Pipeline Transportation	Terrebonne	197	169	113	110	102	108
Pipeline Transportation	Union	0	15	11	11	12	8
Pipeline Transportation	Vermilion	46	57	42	35	16	37
Pipeline Transportation	Washington	6	9	8	7	10	11
Pipeline Transportation	Webster	25	21	17	54	59	49
Pipeline Transportation	West Baton Rouge	32	44	46	33	46	34
Pipeline Transportation	West Carroll	16	15	11	11	12	8
Pipeline Transportation	West Feliciana	16	15	11	11	12	8
Pipeline Transportation	Unknown	35	28	28	54	15	31

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-19: Gasoline Stations Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Gasoline Stations	Acadia	417	402	365	365	369	405
Gasoline Stations	Allen	55	34	32	23	24	35
Gasoline Stations	Ascension	474	435	457	448	425	467
Gasoline Stations	Assumption	149	138	133	116	123	148
Gasoline Stations	Avoyelles	207	221	209	223	254	263
Gasoline Stations	Beauregard	80	81	74	67	68	66
Gasoline Stations	Bienville	52	64	106	108	92	97
Gasoline Stations	Bossier	304	295	288	322	359	342
Gasoline Stations	Caddo	1,135	1,135	1,224	1,167	1,148	1,161
Gasoline Stations	Calcasieu	831	850	889	869	892	928
Gasoline Stations	Caldwell	41	40	40	57	58	74
Gasoline Stations	Cameron	14	21	19	19	30	41
Gasoline Stations	Catahoula	81	83	107	90	85	95
Gasoline Stations	Claiborne	76	71	70	67	64	60
Gasoline Stations	Concordia	150	176	173	145	147	152
Gasoline Stations	De Soto	240	276	236	241	200	201
Gasoline Stations	East Baton Rouge	1,102	1,153	1,180	1,209	1,235	1,249
Gasoline Stations	East Carroll	27	18	55	49	49	54
Gasoline Stations	East Feliciana	196	175	177	158	141	101
Gasoline Stations	Evangeline	100	93	87	84	72	77
Gasoline Stations	Franklin	112	108	103	97	105	109
Gasoline Stations	Grant	72	80	97	90	91	98
Gasoline Stations	Iberia	386	350	345	332	334	337
Gasoline Stations	Iberville	176	167	171	182	174	167
Gasoline Stations	Jackson	92	92	84	90	80	92
Gasoline Stations	Jefferson	999	1,025	1,019	1,072	1,117	1,115
Gasoline Stations	Jefferson Davis	189	196	218	216	231	229
Gasoline Stations	Lafayette	1,138	1,319	1,287	1,282	1,371	1,463
Gasoline Stations	Lafourche	453	491	496	518	521	546
Gasoline Stations	LaSalle	30	45	49	51	60	75
Gasoline Stations	Lincoln	211	211	229	226	221	203
Gasoline Stations	Livingston	428	439	417	406	460	469
Gasoline Stations	Madison	173	171	160	171	167	182
Gasoline Stations	Morehouse	86	85	85	95	90	89
Gasoline Stations	Natchitoches	131	120	284	361	389	324
Gasoline Stations	Orleans	482	485	497	518	527	564
Gasoline Stations	Ouachita	607	607	628	629	669	687
Gasoline Stations	Plaquemines	63	78	89	96	97	96
Gasoline Stations	Pointe Coupee	172	169	197	193	196	211
Gasoline Stations	Rapides	540	508	485	518	499	546
Gasoline Stations	Red River	43	41	37	26	31	32
Gasoline Stations	Richland	120	127	131	141	172	169
Gasoline Stations	Sabine	215	216	125	85	77	103
Gasoline Stations	St. Bernard	96	85	79	86	87	86
Gasoline Stations	St. Charles	153	198	217	170	160	172
Gasoline Stations	St. Helena	32	36	47	40	33	22
Gasoline Stations	St. James	190	206	196	176	175	183
Gasoline Stations	St. John the Baptist	167	184	175	183	191	183
Gasoline Stations	St. Landry	440	464	481	471	479	466
Gasoline Stations	St. Martin	385	382	393	388	345	307
Gasoline Stations	St. Mary	331	376	354	351	348	345
Gasoline Stations	St. Tammany	772	768	690	693	770	790
Gasoline Stations	Tangipahoa	679	674	658	718	677	706
Gasoline Stations	Tensas	20	23	22	31	26	22
Gasoline Stations	Terrebonne	583	619	600	573	550	566
Gasoline Stations	Union	91	82	70	55	54	49
Gasoline Stations	Vermilion	248	222	211	202	204	218
Gasoline Stations	Vernon	165	154	170	190	194	204
Gasoline Stations	Washington	189	168	150	137	148	174
Gasoline Stations	Webster	388	330	317	300	289	297
Gasoline Stations	West Baton Rouge	187	190	178	185	218	229
Gasoline Stations	West Carroll	34	44	45	46	45	36
Gasoline Stations	West Feliciana	45	57	54	53	66	75
Gasoline Stations	Winn	60	57	48	40	39	35
Gasoline Stations	Unknown	24	29	19	30	16	21

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-20: Gasoline Stations Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Gasoline Stations	Acadia	450	468	456	451	438	460
Gasoline Stations	Allen	39	49	62	67	74	99
Gasoline Stations	Ascension	467	455	469	468	471	484
Gasoline Stations	Assumption	153	157	175	180	189	179
Gasoline Stations	Avoyelles	260	297	311	321	339	319
Gasoline Stations	Beauregard	69	70	80	80	83	94
Gasoline Stations	Bienville	86	89	76	74	65	71
Gasoline Stations	Bossier	355	360	350	407	428	406
Gasoline Stations	Caddo	1,148	1,131	1,076	1,020	959	957
Gasoline Stations	Calcasieu	931	976	1,056	1,051	1,093	1,164
Gasoline Stations	Caldwell	82	79	65	59	54	60
Gasoline Stations	Cameron	46	51	59	50	42	42
Gasoline Stations	Catahoula	109	126	113	94	84	72
Gasoline Stations	Claiborne	37	44	47	57	63	53
Gasoline Stations	Concordia	159	191	193	204	206	196
Gasoline Stations	De Soto	159	168	198	217	231	224
Gasoline Stations	East Baton Rouge	1,225	1,230	1,260	1,254	1,276	1,562
Gasoline Stations	East Carroll	48	51	53	51	48	45
Gasoline Stations	East Feliciana	93	84	93	95	105	110
Gasoline Stations	Evangeline	72	76	70	86	90	93
Gasoline Stations	Franklin	112	128	145	150	138	160
Gasoline Stations	Grant	114	108	83	98	107	110
Gasoline Stations	Iberia	351	353	337	318	283	281
Gasoline Stations	Iberville	169	158	171	189	188	197
Gasoline Stations	Jackson	101	97	86	77	70	59
Gasoline Stations	Jefferson	1,116	1,197	1,174	1,129	1,090	1,166
Gasoline Stations	Jefferson Davis	216	213	209	203	214	217
Gasoline Stations	Lafayette	1,451	1,491	1,593	1,841	1,783	1,159
Gasoline Stations	Lafourche	542	492	592	581	559	573
Gasoline Stations	LaSalle	79	67	80	72	66	86
Gasoline Stations	Lincoln	220	211	204	207	198	222
Gasoline Stations	Livingston	478	446	463	486	531	551
Gasoline Stations	Madison	180	180	185	187	187	190
Gasoline Stations	Morehouse	81	81	79	80	82	74
Gasoline Stations	Natchitoches	250	195	212	212	217	227
Gasoline Stations	Orleans	563	620	607	581	621	640
Gasoline Stations	Ouachita	707	723	815	864	839	832
Gasoline Stations	Plaquemines	101	98	94	90	93	96
Gasoline Stations	Pointe Coupee	211	216	215	243	219	208
Gasoline Stations	Rapides	543	563	564	577	634	663
Gasoline Stations	Red River	46	59	64	65	65	62
Gasoline Stations	Richland	175	173	182	172	147	151
Gasoline Stations	Sabine	116	123	144	136	143	149
Gasoline Stations	St. Bernard	81	76	88	94	93	102
Gasoline Stations	St. Charles	157	147	150	147	145	473
Gasoline Stations	St. Helena	23	37	36	34	33	75
Gasoline Stations	St. James	184	185	189	202	184	186
Gasoline Stations	St. John the Baptist	181	189	189	203	194	196
Gasoline Stations	St. Landry	443	453	487	469	461	506
Gasoline Stations	St. Martin	330	343	345	374	363	356
Gasoline Stations	St. Mary	321	303	304	266	278	280
Gasoline Stations	St. Tammany	783	761	778	731	704	778
Gasoline Stations	Tangipahoa	723	746	865	822	784	850
Gasoline Stations	Tensas	28	33	38	31	24	23
Gasoline Stations	Terrebonne	607	587	562	509	514	539
Gasoline Stations	Union	46	51	66	74	79	82
Gasoline Stations	Vermilion	216	218	199	168	163	188
Gasoline Stations	Vernon	216	222	225	216	191	190
Gasoline Stations	Washington	156	158	163	151	152	156
Gasoline Stations	Webster	308	302	303	299	312	311
Gasoline Stations	West Baton Rouge	179	207	211	203	226	253
Gasoline Stations	West Carroll	34	38	43	43	46	50
Gasoline Stations	West Feliciana	73	80	96	90	95	74
Gasoline Stations	Winn	41	40	31	31	26	29
Gasoline Stations	Unknown	20	17	16	14	14	8

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-21: Fuel Dealers Job Counts 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Fuel Dealers	Acadia	8	0	0	9	8	9
Fuel Dealers	Allen	8	7	8	9	8	9
Fuel Dealers	Avoyelles	16	7	8	9	8	0
Fuel Dealers	Beauregard	16	15	16	17	16	17
Fuel Dealers	Bossier	15	23	14	28	28	29
Fuel Dealers	Caddo	16	15	16	17	16	17
Fuel Dealers	Calcasieu	16	15	16	17	16	9
Fuel Dealers	Caldwell	16	15	16	17	16	17
Fuel Dealers	Catahoula	8	7	8	9	8	9
Fuel Dealers	Claiborne	8	7	8	9	8	9
Fuel Dealers	Concordia	8	7	8	9	8	9
Fuel Dealers	De Soto	8	7	8	0	0	0
Fuel Dealers	East Baton Rouge	9	14	9	4	5	15
Fuel Dealers	East Carroll	8	7	8	9	8	9
Fuel Dealers	East Feliciana	8	7	8	9	8	9
Fuel Dealers	Evangeline	16	15	16	17	16	17
Fuel Dealers	Franklin	9	14	9	9	10	12
Fuel Dealers	Grant	0	0	0	0	0	0
Fuel Dealers	Iberia	0	0	0	9	8	0
Fuel Dealers	Iberville	8	7	8	0	0	0
Fuel Dealers	Jackson	8	7	8	9	8	0
Fuel Dealers	Jefferson	14	17	11	10	12	14
Fuel Dealers	Jefferson Davis	0	0	0	0	0	0
Fuel Dealers	Lafayette	23	22	23	23	21	24
Fuel Dealers	Lafourche	8	7	8	9	8	9
Fuel Dealers	LaSalle	8	7	8	9	8	9
Fuel Dealers	Lincoln	8	7	8	9	8	9
Fuel Dealers	Madison	8	7	8	9	8	9
Fuel Dealers	Morehouse	8	7	8	0	0	0
Fuel Dealers	Natchitoches	16	15	16	17	16	17
Fuel Dealers	Orleans	8	7	8	9	8	9
Fuel Dealers	Ouachita	8	7	8	9	8	9
Fuel Dealers	Rapides	23	22	25	26	24	26
Fuel Dealers	Red River	0	0	0	0	8	9
Fuel Dealers	Richland	31	22	25	17	16	17
Fuel Dealers	Sabine	16	22	25	26	24	17
Fuel Dealers	St. Bernard	0	0	0	0	0	0
Fuel Dealers	St. Charles	0	0	0	0	0	0
Fuel Dealers	St. John the Baptist	8	7	8	9	8	9
Fuel Dealers	St. Landry	39	37	41	35	32	26
Fuel Dealers	St. Tammany	8	7	8	9	8	9
Fuel Dealers	Tangipahoa	26	26	24	24	30	32
Fuel Dealers	Tensas	0	0	0	0	0	0
Fuel Dealers	Terrebonne	8	7	8	17	24	9
Fuel Dealers	Union	8	7	8	9	8	9
Fuel Dealers	Vermilion	8	7	8	9	8	9
Fuel Dealers	Vernon	8	7	8	9	8	9
Fuel Dealers	Washington	30	46	28	28	33	37
Fuel Dealers	Webster	8	7	8	9	8	9
Fuel Dealers	West Baton Rouge	8	7	8	9	8	9
Fuel Dealers	West Carroll	8	7	8	9	8	9
Fuel Dealers	West Feliciana	8	7	8	9	8	0
Fuel Dealers	Winn	8	7	8	9	8	9
Fuel Dealers	Unknown	0	0	0	2	4	3

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-22: Fuel Dealers Job Counts 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Fuel Dealers	Acadia	10	10	11	10	10	9
Fuel Dealers	Allen	10	10	11	10	10	9
Fuel Dealers	Avoyelles	0	0	0	0	0	0
Fuel Dealers	Beauregard	20	10	21	20	20	18
Fuel Dealers	Bossier	37	26	19	24	17	20
Fuel Dealers	Caddo	10	10	11	10	10	9
Fuel Dealers	Calcasieu	10	10	11	10	10	9
Fuel Dealers	Caldwell	20	21	21	20	20	18
Fuel Dealers	Catahoula	10	10	11	10	10	9
Fuel Dealers	Claiborne	10	10	11	10	10	9
Fuel Dealers	Concordia	10	10	11	10	10	9
Fuel Dealers	De Soto	0	0	0	0	0	0
Fuel Dealers	East Baton Rouge	12	14	20	11	11	12
Fuel Dealers	East Carroll	10	10	11	10	10	9
Fuel Dealers	East Feliciana	10	10	11	10	10	9
Fuel Dealers	Evangeline	20	21	21	20	30	27
Fuel Dealers	Franklin	11	17	12	23	18	17
Fuel Dealers	Grant	10	0	0	0	0	0
Fuel Dealers	Iberia	0	0	0	0	0	0
Fuel Dealers	Iberville	0	0	0	0	0	0
Fuel Dealers	Jackson	0	0	0	0	0	0
Fuel Dealers	Jefferson	14	19	21	19	22	28
Fuel Dealers	Jefferson Davis	0	0	0	0	0	0
Fuel Dealers	Lafayette	26	22	17	16	15	23
Fuel Dealers	Lafourche	10	10	11	10	10	9
Fuel Dealers	LaSalle	10	10	11	20	20	18
Fuel Dealers	Lincoln	10	10	11	10	10	9
Fuel Dealers	Madison	10	10	11	10	10	9
Fuel Dealers	Morehouse	0	0	0	0	0	0
Fuel Dealers	Natchitoches	20	31	32	30	30	27
Fuel Dealers	Orleans	10	0	0	0	0	0
Fuel Dealers	Ouachita	10	21	21	10	10	9
Fuel Dealers	Rapides	20	21	21	20	20	18
Fuel Dealers	Red River	0	0	0	0	0	0
Fuel Dealers	Richland	20	21	21	20	20	18
Fuel Dealers	Sabine	10	21	21	20	20	18
Fuel Dealers	St. Bernard	0	0	0	0	0	9
Fuel Dealers	St. Charles	0	0	0	0	0	0
Fuel Dealers	St. John the Baptist	10	10	11	10	10	9
Fuel Dealers	St. Landry	30	31	32	30	30	18
Fuel Dealers	St. Tammany	10	10	11	10	10	9
Fuel Dealers	Tangipahoa	23	21	16	29	25	28
Fuel Dealers	Tensas	0	0	0	10	0	0
Fuel Dealers	Terrebonne	0	0	0	0	10	9
Fuel Dealers	Union	10	10	11	10	10	9
Fuel Dealers	Vermilion	10	10	11	10	10	0
Fuel Dealers	Vernon	10	10	11	10	10	9
Fuel Dealers	Washington	37	34	26	24	25	20
Fuel Dealers	Webster	10	10	11	0	0	0
Fuel Dealers	West Baton Rouge	0	0	0	0	0	0
Fuel Dealers	West Carroll	10	10	11	0	0	0
Fuel Dealers	West Feliciana	0	0	0	0	0	0
Fuel Dealers	Winn	10	10	11	10	10	9
Fuel Dealers	Unknown	3	5	3	3	3	2

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-23: Oil and Gas Extraction Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Oil and Gas Extraction	Acadia	\$ 972,000	\$ 701,000	\$ 681,000	\$ 1,677,000	\$ 846,000	\$ 642,000
Oil and Gas Extraction	Allen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Ascension	\$ 3,536,594	\$ 1,839,153	\$ 4,048,967	\$ 5,664,346	\$ 5,814,221	\$ 8,529,435
Oil and Gas Extraction	Assumption	\$ 718,603	\$ 694,364	\$ 570,264	\$ 700,091	\$ 1,880,000	\$ 2,128,978
Oil and Gas Extraction	Avoyelles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Beauregard	\$ -	\$ -	\$ -	\$ 391,009	\$ 429,819	\$ 792,705
Oil and Gas Extraction	Bienville	\$ 2,492,944	\$ 3,613,281	\$ 3,768,000	\$ 3,940,000	\$ 4,004,687	\$ 6,154,792
Oil and Gas Extraction	Bossier	\$ 3,191,546	\$ 3,469,378	\$ 3,799,084	\$ 6,218,656	\$ 7,690,393	\$ 7,485,582
Oil and Gas Extraction	Caddo	\$ 68,859,841	\$ 67,301,913	\$ 62,182,546	\$ 81,736,878	\$ 93,240,447	\$ 87,543,853
Oil and Gas Extraction	Calcasieu	\$ 16,111,000	\$ 14,327,000	\$ 2,675,000	\$ 3,232,000	\$ 5,302,000	\$ 10,106,264
Oil and Gas Extraction	Caldwell	\$ 172,293	\$ 166,481	\$ 273,454	\$ 335,709	\$ 369,031	\$ 340,297
Oil and Gas Extraction	Cameron	\$ 9,350,000	\$ 6,544,000	\$ 4,106,000	\$ 8,354,000	\$ 9,035,000	\$ 5,718,000
Oil and Gas Extraction	Catahoula	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,421,572
Oil and Gas Extraction	Claiborne	\$ 2,343,000	\$ 2,376,000	\$ 2,833,000	\$ 3,096,000	\$ 5,194,000	\$ 5,419,000
Oil and Gas Extraction	Concordia	\$ -	\$ -	\$ -	\$ 1,416,086	\$ 2,907,111	\$ 2,843,145
Oil and Gas Extraction	De Soto	\$ 5,304,891	\$ 3,678,307	\$ 8,097,934	\$ 8,496,518	\$ 8,721,332	\$ 9,951,007
Oil and Gas Extraction	East Baton Rouge	\$ 3,791,000	\$ 3,543,000	\$ 3,520,000	\$ 6,723,000	\$ 5,293,000	\$ 4,873,000
Oil and Gas Extraction	Evangeline	\$ 3,536,594	\$ 919,577	\$ 1,349,656	\$ 2,832,173	\$ 2,907,111	\$ 2,843,145
Oil and Gas Extraction	Franklin	\$ -	\$ -	\$ -	\$ -	\$ 1,453,555	\$ 1,421,572
Oil and Gas Extraction	Grant	\$ -	\$ 919,577	\$ 1,349,656	\$ 1,416,086	\$ 1,453,555	\$ 2,843,145
Oil and Gas Extraction	Iberia	\$ 10,609,783	\$ 5,517,460	\$ 8,097,934	\$ 7,080,432	\$ 11,628,442	\$ 9,951,007
Oil and Gas Extraction	Iberville	\$ 1,768,297	\$ 919,577	\$ 1,349,656	\$ 1,416,086	\$ -	\$ -
Oil and Gas Extraction	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Jefferson	\$ 44,674,319	\$ 43,167,403	\$ 35,452,306	\$ 41,105,485	\$ 50,501,461	\$ 44,118,305
Oil and Gas Extraction	Jefferson Davis	\$ 3,381,000	\$ 5,324,187	\$ 3,180,000	\$ 5,127,000	\$ 7,088,000	\$ 8,053,000
Oil and Gas Extraction	Lafayette	\$ 124,079,136	\$ 113,692,399	\$ 100,163,460	\$ 131,303,630	\$ 164,956,016	\$ 154,224,900
Oil and Gas Extraction	Lafourche	\$ 42,601,000	\$ 44,668,000	\$ 50,653,000	\$ 56,674,000	\$ 59,270,000	\$ 57,326,000
Oil and Gas Extraction	LaSalle	\$ 10,609,783	\$ 5,517,460	\$ 9,447,590	\$ 9,912,605	\$ 11,628,442	\$ 11,372,580
Oil and Gas Extraction	Lincoln	\$ 1,603,536	\$ 1,549,447	\$ 2,545,044	\$ 1,791,000	\$ 4,814,000	\$ 4,390,000
Oil and Gas Extraction	Livingston	\$ -	\$ -	\$ -	\$ 1,416,086	\$ -	\$ -
Oil and Gas Extraction	Morehouse	\$ -	\$ -	\$ 1,349,656	\$ -	\$ -	\$ -
Oil and Gas Extraction	Natchitoches	\$ 3,536,594	\$ 1,839,153	\$ 1,349,656	\$ 1,416,086	\$ -	\$ 1,421,572
Oil and Gas Extraction	Orleans	\$ 382,788,000	\$ 319,840,000	\$ 331,756,000	\$ 334,445,000	\$ 261,811,000	\$ 269,187,000
Oil and Gas Extraction	Ouachita	\$ 8,517,531	\$ 9,053,247	\$ 7,435,205	\$ 7,468,298	\$ 7,297,408	\$ 6,729,218
Oil and Gas Extraction	Plaquemines	\$ 85,605,962	\$ 59,717,000	\$ 56,612,105	\$ 76,450,595	\$ 90,203,000	\$ 96,753,000
Oil and Gas Extraction	Pointe Coupee	\$ 345,541	\$ 333,886	\$ 548,424	\$ 1,009,918	\$ 740,107	\$ 1,023,721
Oil and Gas Extraction	Rapides	\$ -	\$ -	\$ -	\$ 1,416,086	\$ 1,453,555	\$ -
Oil and Gas Extraction	Red River	\$ 1,768,297	\$ 919,577	\$ 1,349,656	\$ 4,248,259	\$ 4,360,666	\$ 4,264,717
Oil and Gas Extraction	Richland	\$ -	\$ 919,577	\$ 1,349,656	\$ -	\$ -	\$ -
Oil and Gas Extraction	Sabine	\$ 214,000	\$ 186,000	\$ 261,000	\$ 189,000	\$ 214,000	\$ 131,000
Oil and Gas Extraction	St. Bernard	\$ 5,304,891	\$ 2,758,730	\$ 2,699,311	\$ 2,832,173	\$ 2,907,111	\$ 2,843,145
Oil and Gas Extraction	St. Charles	\$ -	\$ -	\$ 2,699,311	\$ 2,832,173	\$ 2,907,111	\$ 2,843,145
Oil and Gas Extraction	St. James	\$ 3,536,594	\$ 1,839,153	\$ 2,699,311	\$ 2,832,173	\$ 2,907,111	\$ 1,421,572
Oil and Gas Extraction	St. John the Baptist	\$ -	\$ -	\$ 1,349,656	\$ 2,832,173	\$ 2,907,111	\$ 2,843,145
Oil and Gas Extraction	St. Landry	\$ 1,768,297	\$ 1,839,153	\$ 2,699,311	\$ 2,832,173	\$ 2,907,111	\$ 4,264,717
Oil and Gas Extraction	St. Martin	\$ 4,942,000	\$ 4,023,000	\$ 3,160,000	\$ 5,667,432	\$ 6,229,967	\$ 7,181,113
Oil and Gas Extraction	St. Mary	\$ 75,434,280	\$ 58,311,836	\$ 47,890,049	\$ 63,692,202	\$ 70,014,137	\$ 59,596,343
Oil and Gas Extraction	St. Tammany	\$ 3,697,000	\$ 77,853,360	\$ 63,939,012	\$ 2,536,000	\$ 125,508,049	\$ 130,202,726
Oil and Gas Extraction	Tangipahoa	\$ 3,536,594	\$ 1,839,153	\$ 1,349,656	\$ 1,416,086	\$ 1,453,555	\$ 2,843,145
Oil and Gas Extraction	Tensas	\$ 1,768,297	\$ 919,577	\$ 1,349,656	\$ 1,416,086	\$ 1,453,555	\$ 1,421,572
Oil and Gas Extraction	Terrebonne	\$ 21,219,566	\$ 12,874,074	\$ 18,895,180	\$ 22,657,383	\$ 30,524,661	\$ 28,431,449
Oil and Gas Extraction	Union	\$ 345,733	\$ 334,071	\$ 274,364	\$ 336,826	\$ 370,259	\$ 341,430
Oil and Gas Extraction	Vermilion	\$ 54,399,000	\$ 56,880,000	\$ 56,394,000	\$ 53,693,000	\$ 82,378,668	\$ 75,964,510
Oil and Gas Extraction	Vernon	\$ -	\$ -	\$ -	\$ -	\$ 2,907,111	\$ 2,843,145
Oil and Gas Extraction	Washington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Webster	\$ 8,841,486	\$ 3,678,307	\$ 6,748,278	\$ 7,080,432	\$ 8,721,332	\$ 9,951,007
Oil and Gas Extraction	West Baton Rouge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,421,572
Oil and Gas Extraction	West Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Winn	\$ 3,248,000	\$ 3,262,000	\$ 2,799,000	\$ 3,466,570	\$ 3,810,654	\$ 3,513,949
Oil and Gas Extraction	Unknown	\$ 19,660,175	\$ 22,163,184	\$ 18,239,000	\$ 16,643,000	\$ 40,355,141	\$ 45,302,799

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-24: Oil and Gas Extraction Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Oil and Gas Extraction	Acadia	\$ 902,000	\$ 411,000	\$ 864,808	\$ 154,090	\$ 241,668	\$ 280,631
Oil and Gas Extraction	Allen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Ascension	\$ 6,219,824	\$ 2,516,682	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Assumption	\$ 2,089,343	\$ 1,510,210	\$ 555,272	\$ -	\$ -	\$ -
Oil and Gas Extraction	Avoyelles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,600,084
Oil and Gas Extraction	Beauregard	\$ 777,948	\$ 843,469	\$ 745,000	\$ 663,094	\$ 1,329,000	\$ 1,776,000
Oil and Gas Extraction	Bienville	\$ 6,040,207	\$ 5,336,000	\$ 5,778,970	\$ 4,805,223	\$ 6,459,656	\$ 6,250,933
Oil and Gas Extraction	Bossier	\$ 5,431,000	\$ 4,956,000	\$ 7,704,000	\$ 3,735,021	\$ 5,513,238	\$ 6,402,115
Oil and Gas Extraction	Caddo	\$ 78,784,000	\$ 78,245,000	\$ 77,977,000	\$ 70,466,000	\$ 45,488,000	\$ 26,596,000
Oil and Gas Extraction	Calcasieu	\$ 11,020,127	\$ 11,948,286	\$ 9,664,885	\$ 3,757,263	\$ 5,892,698	\$ 5,702,295
Oil and Gas Extraction	Caldwell	\$ 601,000	\$ 543,134	\$ 399,398	\$ 284,657	\$ 595,255	\$ 518,419
Oil and Gas Extraction	Cameron	\$ 3,359,000	\$ 2,238,000	\$ 469,000	\$ 900,106	\$ 1,411,680	\$ 819,639
Oil and Gas Extraction	Catahoula	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ -	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Claiborne	\$ 5,852,000	\$ 5,313,000	\$ 4,001,000	\$ 3,442,000	\$ 3,791,000	\$ 3,502,000
Oil and Gas Extraction	Concordia	\$ 4,146,549	\$ 5,033,365	\$ 9,589,245	\$ 5,781,477	\$ 8,159,433	\$ 7,800,252
Oil and Gas Extraction	De Soto	\$ 18,659,471	\$ 25,166,823	\$ 35,160,565	\$ 23,125,909	\$ 27,198,112	\$ 28,600,923
Oil and Gas Extraction	East Baton Rouge	\$ 2,524,000	\$ 1,317,000	\$ 1,015,000	\$ 645,000	\$ 1,497,000	\$ 20,638,000
Oil and Gas Extraction	Evangeline	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ -	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Franklin	\$ 4,146,549	\$ 5,033,365	\$ 6,392,830	\$ 1,927,159	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Grant	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ 1,927,159	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Iberia	\$ 12,439,648	\$ 12,583,411	\$ 19,178,490	\$ 11,562,954	\$ 16,318,867	\$ 15,600,503
Oil and Gas Extraction	Iberville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Jackson	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ -	\$ 2,719,811	\$ 5,200,168
Oil and Gas Extraction	Jefferson	\$ 45,702,335	\$ 49,551,568	\$ 38,355,900	\$ 24,861,000	\$ 23,098,000	\$ 21,301,000
Oil and Gas Extraction	Jefferson Davis	\$ 8,042,000	\$ 8,560,000	\$ 2,698,000	\$ 3,034,509	\$ 4,759,168	\$ 5,526,469
Oil and Gas Extraction	Lafayette	\$ 143,060,324	\$ 159,657,000	\$ 137,135,000	\$ 75,763,000	\$ 76,285,000	\$ 60,468,000
Oil and Gas Extraction	Lafourche	\$ 72,020,000	\$ 46,487,000	\$ 47,905,000	\$ 31,471,000	\$ 23,843,000	\$ 50,258,000
Oil and Gas Extraction	LaSalle	\$ 18,659,471	\$ 20,133,458	\$ 28,767,735	\$ 13,490,113	\$ 19,038,678	\$ 20,800,671
Oil and Gas Extraction	Lincoln	\$ 3,155,000	\$ 5,054,968	\$ 6,265,000	\$ 10,886,000	\$ 9,255,000	\$ 6,989,000
Oil and Gas Extraction	Livingston	\$ -	\$ -	\$ -	\$ -	\$ 2,719,811	\$ -
Oil and Gas Extraction	Morehouse	\$ 2,073,275	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Natchitoches	\$ 4,146,549	\$ 5,033,365	\$ 3,196,415	\$ 1,927,159	\$ -	\$ -
Oil and Gas Extraction	Orleans	\$ 327,087,000	\$ 325,674,000	\$ 293,390,000	\$ 239,579,000	\$ 210,205,000	\$ 234,030,000
Oil and Gas Extraction	Ouachita	\$ 6,603,939	\$ 3,625,000	\$ 3,340,000	\$ 9,135,000	\$ 7,669,000	\$ 5,980,041
Oil and Gas Extraction	Plaquemines	\$ 105,963,000	\$ 115,108,000	\$ 105,082,000	\$ 99,057,000	\$ 73,940,041	\$ 78,705,999
Oil and Gas Extraction	Pointe Coupee	\$ 904,000	\$ 1,089,279	\$ 534,006	\$ 190,297	\$ -	\$ 693,142
Oil and Gas Extraction	Rapides	\$ 2,073,275	\$ -	\$ 3,196,415	\$ -	\$ -	\$ 2,600,084
Oil and Gas Extraction	Red River	\$ 4,146,549	\$ 5,033,365	\$ 9,589,245	\$ 3,854,318	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Richland	\$ -	\$ -	\$ -	\$ -	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Sabine	\$ 132,000	\$ 81,000	\$ 127,956	\$ 68,397	\$ 143,028	\$ 166,087
Oil and Gas Extraction	St. Bernard	\$ 4,146,549	\$ 2,516,682	\$ 3,196,415	\$ 1,927,159	\$ 2,719,811	\$ 5,200,168
Oil and Gas Extraction	St. Charles	\$ 4,146,549	\$ 5,033,365	\$ 3,196,415	\$ 1,927,159	\$ 2,719,811	\$ 5,200,168
Oil and Gas Extraction	St. James	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	St. John the Baptist	\$ 4,146,549	\$ 5,033,365	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	St. Landry	\$ 8,293,098	\$ 10,066,729	\$ 9,589,245	\$ 7,708,636	\$ 10,879,245	\$ 10,400,336
Oil and Gas Extraction	St. Martin	\$ 11,596,000	\$ 10,333,000	\$ 8,060,000	\$ 9,335,000	\$ 8,486,000	\$ 8,551,000
Oil and Gas Extraction	St. Mary	\$ 58,486,830	\$ 52,844,021	\$ 38,859,234	\$ 39,470,000	\$ 39,092,701	\$ 35,307,577
Oil and Gas Extraction	St. Tammany	\$ 127,778,725	\$ 130,844,051	\$ 113,196,615	\$ 68,575,449	\$ 175,894,000	\$ 194,738,000
Oil and Gas Extraction	Tangipahoa	\$ 6,219,824	\$ 7,550,047	\$ 3,196,415	\$ 1,927,159	\$ 2,719,811	\$ 2,600,084
Oil and Gas Extraction	Tensas	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ 1,927,159	\$ 2,719,811	\$ -
Oil and Gas Extraction	Terrebonne	\$ 39,392,217	\$ 22,650,141	\$ 28,767,735	\$ 13,490,113	\$ 16,318,867	\$ 15,600,503
Oil and Gas Extraction	Union	\$ 335,073	\$ 363,294	\$ 133,576	\$ 190,403	\$ 447,927	\$ 603,000
Oil and Gas Extraction	Vermilion	\$ 78,277,783	\$ 64,663,353	\$ 35,662,999	\$ 19,063,183	\$ 19,931,813	\$ 15,430,225
Oil and Gas Extraction	Vernon	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ -	\$ -	\$ -
Oil and Gas Extraction	Washington	\$ -	\$ -	\$ 3,196,415	\$ 1,927,159	\$ -	\$ -
Oil and Gas Extraction	Webster	\$ 12,439,648	\$ 15,100,094	\$ 22,374,905	\$ 13,490,113	\$ 24,478,300	\$ 23,400,755
Oil and Gas Extraction	West Baton Rouge	\$ 2,073,275	\$ 2,516,682	\$ 3,196,415	\$ -	\$ -	\$ -
Oil and Gas Extraction	West Feliciana	\$ 2,073,275	\$ 2,516,682	\$ -	\$ -	\$ -	\$ -
Oil and Gas Extraction	Winn	\$ 2,299,019	\$ 2,492,652	\$ 1,832,990	\$ 1,306,401	\$ 2,048,892	\$ 2,379,226
Oil and Gas Extraction	Unknown	\$ 42,871,556	\$ 24,211,000	\$ 16,484,000	\$ 21,630,000	\$ 21,195,000	\$ 35,902,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-25: Drilling Oil and Gas Wells Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Drilling Oil and Gas Wells	Acadia	\$ 17,260,730	\$ 8,639,392	\$ 18,648,866	\$ 19,796,587	\$ 10,842,659	\$ 10,463,156
Drilling Oil and Gas Wells	Allen	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Ascension	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ -	\$ -
Drilling Oil and Gas Wells	Assumption	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ -	\$ -
Drilling Oil and Gas Wells	Avoyelles	\$ 123,696	\$ 143,653	\$ 281,946	\$ 408,309	\$ 275,000	\$ 275,000
Drilling Oil and Gas Wells	Beauregard	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Bienville	\$ 10,356,438	\$ 6,479,544	\$ 7,459,546	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Bossier	\$ 17,026,000	\$ 9,985,000	\$ 11,997,000	\$ 14,722,000	\$ 11,493,000	\$ 7,584,000
Drilling Oil and Gas Wells	Caddo	\$ 9,968,194	\$ 11,576,383	\$ 10,548,991	\$ 7,834,273	\$ 8,153,837	\$ 4,670,176
Drilling Oil and Gas Wells	Calcasieu	\$ 1,539,695	\$ 1,227,000	\$ 1,754,744	\$ 1,694,123	\$ 2,115,873	\$ 1,055,000
Drilling Oil and Gas Wells	Caldwell	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Cameron	\$ 3,452,146	\$ 4,319,696	\$ 11,189,319	\$ 9,898,293	\$ 4,337,064	\$ 4,185,262
Drilling Oil and Gas Wells	Catahoula	\$ 6,904,292	\$ 4,319,696	\$ 7,459,546	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Claiborne	\$ -	\$ -	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Concordia	\$ 12,063,000	\$ 6,782,000	\$ 11,592,693	\$ 8,394,151	\$ 8,736,552	\$ 5,559,923
Drilling Oil and Gas Wells	De Soto	\$ 12,295,932	\$ 19,039,546	\$ 14,013,306	\$ 12,946,000	\$ 18,774,734	\$ 14,935,251
Drilling Oil and Gas Wells	East Baton Rouge	\$ 32,445,000	\$ 22,195,000	\$ 22,507,739	\$ 34,522,000	\$ 27,038,000	\$ 18,392,000
Drilling Oil and Gas Wells	Evangeline	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Franklin	\$ 6,904,292	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ -	\$ -
Drilling Oil and Gas Wells	Grant	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ -	\$ -
Drilling Oil and Gas Wells	Iberia	\$ 124,939,303	\$ 81,578,000	\$ 65,892,000	\$ 84,201,000	\$ 102,360,000	\$ 143,661,000
Drilling Oil and Gas Wells	Iberville	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Jackson	\$ -	\$ 2,159,848	\$ 3,729,773	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Jefferson	\$ 35,499,000	\$ 71,645,513	\$ 63,278,218	\$ 42,719,000	\$ 70,649,028	\$ 40,464,802
Drilling Oil and Gas Wells	Jefferson Davis	\$ 4,352,405	\$ 5,054,587	\$ 4,845,000	\$ 3,756,000	\$ 4,984,285	\$ 3,171,989
Drilling Oil and Gas Wells	Lafayette	\$ 223,654,000	\$ 174,421,000	\$ 200,901,000	\$ 257,983,000	\$ 225,623,000	\$ 174,372,487
Drilling Oil and Gas Wells	Lafourche	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	LaSalle	\$ 735,000	\$ 1,919,736	\$ 1,507,142	\$ 727,538	\$ 757,214	\$ 481,890
Drilling Oil and Gas Wells	Lincoln	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ -	\$ -
Drilling Oil and Gas Wells	Livingston	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Morehouse	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Natchitoches	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Orleans	\$ 10,356,438	\$ 6,479,544	\$ 7,459,546	\$ 14,847,440	\$ 6,505,595	\$ 6,277,893
Drilling Oil and Gas Wells	Ouachita	\$ 1,469,255	\$ 1,279,720	\$ 1,255,849	\$ 1,212,464	\$ 1,261,921	\$ 634,000
Drilling Oil and Gas Wells	Plaquemines	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ -
Drilling Oil and Gas Wells	Pointe Coupee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Rapides	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ -
Drilling Oil and Gas Wells	Red River	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Richland	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Sabine	\$ 414,156	\$ 480,973	\$ 472,002	\$ 455,695	\$ 948,567	\$ 603,666
Drilling Oil and Gas Wells	St. Charles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	St. James	\$ -	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	St. John the Baptist	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	St. Landry	\$ 3,452,146	\$ 4,319,696	\$ 7,459,546	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	St. Martin	\$ 3,957,969	\$ 4,596,516	\$ 4,510,779	\$ 4,354,945	\$ 4,532,585	\$ 3,846,037
Drilling Oil and Gas Wells	St. Mary	\$ 6,904,292	\$ 4,319,696	\$ 3,729,773	\$ 4,949,147	\$ 4,337,064	\$ 4,185,262
Drilling Oil and Gas Wells	St. Tammany	\$ 5,647,000	\$ 18,676,000	\$ 23,427,000	\$ 20,950,000	\$ 21,771,515	\$ 13,855,346
Drilling Oil and Gas Wells	Tangipahoa	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ -	\$ -
Drilling Oil and Gas Wells	Tensas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Terrebonne	\$ 153,310,000	\$ 108,629,000	\$ 73,552,000	\$ 36,109,000	\$ 37,799,000	\$ 87,830,000
Drilling Oil and Gas Wells	Union	\$ -	\$ -	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Vermilion	\$ 10,356,438	\$ 2,159,848	\$ 7,459,546	\$ 9,898,293	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Vernon	\$ 3,452,146	\$ -	\$ -	\$ -	\$ 2,168,532	\$ -
Drilling Oil and Gas Wells	Washington	\$ 3,452,146	\$ 2,159,848	\$ 3,729,773	\$ 4,949,147	\$ 2,168,532	\$ 2,092,631
Drilling Oil and Gas Wells	Webster	\$ 6,904,292	\$ 4,319,696	\$ 7,459,546	\$ 9,898,293	\$ 4,337,064	\$ 4,185,262
Drilling Oil and Gas Wells	West Baton Rouge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Winn	\$ 1,943,845	\$ 1,605,000	\$ 2,215,342	\$ 2,138,809	\$ 1,276,000	\$ 1,416,655
Drilling Oil and Gas Wells	Unknown	\$ 8,607,000	\$ 75,271,000	\$ 54,548,095	\$ 34,587,000	\$ 22,942,000	\$ 20,161,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-26: Drilling Oil and Gas Wells Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Drilling Oil and Gas Wells	Acadia	\$ 7,109,640	\$ 5,744,378	\$ 5,633,700	\$ 9,749,957	\$ 6,844,831	\$ 4,079,133
Drilling Oil and Gas Wells	Allen	\$ -	\$ -	\$ -	\$ -	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Ascension	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Assumption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Avoyelles	\$ 224,001	\$ 194,631	\$ 127,693	\$ 47,025	\$ 188,510	\$ 159,799
Drilling Oil and Gas Wells	Beauregard	\$ 1,777,410	\$ 3,829,585	\$ 1,877,900	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Bienville	\$ 1,777,410	\$ 1,914,793	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Bossier	\$ 2,573,000	\$ 2,230,000	\$ 1,177,000	\$ 1,057,000	\$ 883,000	\$ 2,067,000
Drilling Oil and Gas Wells	Caddo	\$ 4,238,000	\$ 3,149,000	\$ 1,960,056	\$ 1,759,443	\$ 4,069,086	\$ 3,449,336
Drilling Oil and Gas Wells	Calcasieu	\$ 371,763	\$ 161,510	\$ 105,963	\$ 351,204	\$ 703,936	\$ 994,536
Drilling Oil and Gas Wells	Caldwell	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Cameron	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ -	\$ 1,368,966	\$ -
Drilling Oil and Gas Wells	Catahoula	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ 2,737,933	\$ 1,631,653
Drilling Oil and Gas Wells	Claiborne	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Concordia	\$ 4,605,088	\$ 2,667,532	\$ 1,750,109	\$ 1,933,520	\$ 3,875,453	\$ 3,285,194
Drilling Oil and Gas Wells	De Soto	\$ 11,927,000	\$ 14,861,000	\$ 17,234,000	\$ 18,504,000	\$ 18,938,000	\$ 17,971,000
Drilling Oil and Gas Wells	East Baton Rouge	\$ 1,220,000	\$ 10,358,267	\$ 1,457,000	\$ 2,502,678	\$ 181,000	\$ 1,586,000
Drilling Oil and Gas Wells	Evangeline	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,827
Drilling Oil and Gas Wells	Franklin	\$ -	\$ -	\$ -	\$ -	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Grant	\$ -	\$ -	\$ -	\$ 2,437,489	\$ 1,368,966	\$ -
Drilling Oil and Gas Wells	Iberia	\$ 165,680,000	\$ 84,251,553	\$ 55,275,611	\$ 61,068,465	\$ 89,035,000	\$ 100,876,000
Drilling Oil and Gas Wells	Iberville	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ -	\$ -
Drilling Oil and Gas Wells	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Jefferson	\$ 46,445,000	\$ 39,962,000	\$ 27,389,000	\$ 14,072,048	\$ 14,102,661	\$ 11,954,728
Drilling Oil and Gas Wells	Jefferson Davis	\$ 2,627,246	\$ 2,282,778	\$ 1,497,681	\$ 1,103,091	\$ 3,316,473	\$ 2,811,351
Drilling Oil and Gas Wells	Lafayette	\$ 127,435,209	\$ 95,963,138	\$ 55,694,790	\$ 61,531,573	\$ 28,410,000	\$ 62,365,000
Drilling Oil and Gas Wells	Lafourche	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,827
Drilling Oil and Gas Wells	LaSalle	\$ 399,132	\$ 346,800	\$ 227,528	\$ 251,373	\$ 503,840	\$ 427,101
Drilling Oil and Gas Wells	Lincoln	\$ -	\$ -	\$ 1,877,900	\$ -	\$ -	\$ 815,827
Drilling Oil and Gas Wells	Livingston	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,827
Drilling Oil and Gas Wells	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Morehouse	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Natchitoches	\$ 1,777,410	\$ -	\$ -	\$ -	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Orleans	\$ 5,332,230	\$ 3,829,585	\$ 3,755,800	\$ 4,874,979	\$ 2,737,933	\$ 1,631,653
Drilling Oil and Gas Wells	Ouachita	\$ 710,000	\$ 770,605	\$ 379,183	\$ 279,281	\$ 559,776	\$ 1,378,000
Drilling Oil and Gas Wells	Plaquemines	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,827
Drilling Oil and Gas Wells	Pointe Coupee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 815,827
Drilling Oil and Gas Wells	Rapides	\$ -	\$ -	\$ -	\$ 2,437,489	\$ 1,368,966	\$ -
Drilling Oil and Gas Wells	Red River	\$ -	\$ -	\$ 1,877,900	\$ 2,437,489	\$ 1,368,966	\$ -
Drilling Oil and Gas Wells	Richland	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Sabine	\$ 1,743,000	\$ 1,587,000	\$ 712,565	\$ 629,793	\$ 1,801,000	\$ 1,928,000
Drilling Oil and Gas Wells	St. Charles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	St. James	\$ -	\$ -	\$ -	\$ 2,437,489	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	St. John the Baptist	\$ 1,777,410	\$ 1,914,793	\$ 3,755,800	\$ 2,437,489	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	St. Landry	\$ 3,554,820	\$ 3,829,585	\$ 3,755,800	\$ 7,312,468	\$ 2,737,933	\$ 1,631,653
Drilling Oil and Gas Wells	St. Martin	\$ 3,185,536	\$ 6,213,000	\$ 2,307,000	\$ 2,006,248	\$ 5,026,531	\$ 4,190,000
Drilling Oil and Gas Wells	St. Mary	\$ 3,554,820	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ 2,737,933	\$ 1,631,653
Drilling Oil and Gas Wells	St. Tammany	\$ 27,401,000	\$ 17,724,000	\$ 11,510,000	\$ 3,810,000	\$ 14,486,460	\$ 14,326,751
Drilling Oil and Gas Wells	Tangipahoa	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Tensas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Terrebonne	\$ 79,567,000	\$ 78,164,000	\$ 32,446,000	\$ 29,837,000	\$ 36,205,000	\$ 38,757,000
Drilling Oil and Gas Wells	Union	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Vermilion	\$ 3,554,820	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Vernon	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Washington	\$ 1,777,410	\$ 1,914,793	\$ 1,877,900	\$ -	\$ -	\$ -
Drilling Oil and Gas Wells	Webster	\$ 3,554,820	\$ 1,914,793	\$ 1,877,900	\$ 2,437,489	\$ 1,368,966	\$ -
Drilling Oil and Gas Wells	West Baton Rouge	\$ -	\$ -	\$ -	\$ -	\$ 1,368,966	\$ 815,827
Drilling Oil and Gas Wells	Winn	\$ 1,173,365	\$ 1,019,521	\$ 445,924	\$ 738,984	\$ 1,481,184	\$ 837,059
Drilling Oil and Gas Wells	Unknown	\$ 48,642,000	\$ 27,892,812	\$ 17,725,000	\$ 31,275,000	\$ 37,496,000	\$ 42,222,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-27: Support Activities for Oil and Gas Operations Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Support Activities for Oil and Gas Operati	Acadia	\$ 11,063,699	\$ 9,979,080	\$ 10,200,278	\$ 11,812,315	\$ 15,264,544	\$ 17,924,136
Support Activities for Oil and Gas Operati	Allen	\$ -	\$ -	\$ -	\$ -	\$ 1,708,831	\$ 2,997,848
Support Activities for Oil and Gas Operati	Ascension	\$ 1,954,323	\$ 4,598,000	\$ 2,868,000	\$ 2,207,000	\$ 3,338,366	\$ 1,691,000
Support Activities for Oil and Gas Operati	Assumption	\$ 2,440,000	\$ 1,814,000	\$ 1,791,000	\$ 2,182,000	\$ 2,834,006	\$ 3,606,889
Support Activities for Oil and Gas Operati	Avoyelles	\$ 5,379,707	\$ 6,230,130	\$ 9,919,741	\$ 19,145,736	\$ 27,568,773	\$ 26,170,000
Support Activities for Oil and Gas Operati	Beauregard	\$ 2,141,000	\$ 2,002,000	\$ 1,039,000	\$ 1,106,262	\$ 1,106,219	\$ 733,000
Support Activities for Oil and Gas Operati	Bienville	\$ 5,819,000	\$ 3,780,000	\$ 5,028,522	\$ 4,852,685	\$ 5,240,694	\$ 6,175,854
Support Activities for Oil and Gas Operati	Bossier	\$ 82,832,000	\$ 88,165,000	\$ 123,726,000	\$ 192,923,000	\$ 164,040,000	\$ 100,003,000
Support Activities for Oil and Gas Operati	Caddo	\$ 62,782,000	\$ 60,463,949	\$ 72,415,000	\$ 94,251,000	\$ 99,680,000	\$ 92,754,000
Support Activities for Oil and Gas Operati	Calcasieu	\$ 49,869,892	\$ 67,969,000	\$ 51,495,363	\$ 51,114,525	\$ 61,335,014	\$ 41,759,000
Support Activities for Oil and Gas Operati	Caldwell	\$ 4,303,703	\$ 2,434,991	\$ 2,194,768	\$ 7,245,810	\$ 3,417,662	\$ 2,997,848
Support Activities for Oil and Gas Operati	Cameron	\$ 897,920	\$ 779,897	\$ 919,829	\$ 1,065,197	\$ 1,661,642	\$ 1,762,334
Support Activities for Oil and Gas Operati	Catahoula	\$ 1,135,463	\$ 821,848	\$ 1,046,850	\$ 1,212,293	\$ 1,697,143	\$ 1,818,000
Support Activities for Oil and Gas Operati	Claborn	\$ 21,716,000	\$ 17,490,000	\$ 17,764,926	\$ 25,715,585	\$ 30,857,486	\$ 26,181,906
Support Activities for Oil and Gas Operati	Concordia	\$ 1,955,034	\$ 1,698,064	\$ 4,743,000	\$ 5,155,000	\$ 4,661,000	\$ 3,700,000
Support Activities for Oil and Gas Operati	De Soto	\$ 9,455,225	\$ 10,558,837	\$ 20,479,000	\$ 15,863,579	\$ 21,531,000	\$ 21,722,000
Support Activities for Oil and Gas Operati	East Baton Rouge	\$ 12,648,000	\$ 12,408,000	\$ 11,078,955	\$ 10,913,000	\$ 14,132,000	\$ 10,838,000
Support Activities for Oil and Gas Operati	East Carroll	\$ -	\$ -	\$ 2,194,768	\$ 3,622,905	\$ 1,708,831	\$ 1,498,924
Support Activities for Oil and Gas Operati	East Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operati	Evangeline	\$ 336,000	\$ 257,000	\$ 176,000	\$ 588,712	\$ 706,426	\$ 749,234
Support Activities for Oil and Gas Operati	Franklin	\$ -	\$ 76,752	\$ -	\$ 94,346	\$ 339,632	\$ 240,142
Support Activities for Oil and Gas Operati	Grant	\$ 2,151,852	\$ 2,434,991	\$ 2,194,768	\$ 3,622,905	\$ 3,417,662	\$ 2,997,848
Support Activities for Oil and Gas Operati	Iberia	\$ 114,558,697	\$ 120,074,000	\$ 133,600,000	\$ 115,550,000	\$ 139,391,000	\$ 136,135,000
Support Activities for Oil and Gas Operati	Iberville	\$ 5,625,000	\$ 5,357,000	\$ 20,148,000	\$ 23,593,000	\$ 18,213,511	\$ 13,798,007
Support Activities for Oil and Gas Operati	Jackson	\$ 463,509	\$ 402,586	\$ 427,337	\$ 494,872	\$ 593,824	\$ 1,259,616
Support Activities for Oil and Gas Operati	Jefferson	\$ 116,491,000	\$ 104,745,000	\$ 100,341,000	\$ 97,208,000	\$ 79,577,000	\$ 57,003,000
Support Activities for Oil and Gas Operati	Jefferson Davis	\$ 2,881,789	\$ 2,815,882	\$ 6,298,000	\$ 5,685,000	\$ 4,614,993	\$ 5,384,117
Support Activities for Oil and Gas Operati	Lafayette	\$ 907,318,000	\$ 773,705,000	\$ 820,258,000	\$ 807,307,000	\$ 955,886,000	\$ 1,017,765,000
Support Activities for Oil and Gas Operati	Lafourche	\$ 34,099,000	\$ 29,863,000	\$ 30,685,000	\$ 30,454,000	\$ 54,621,000	\$ 80,353,000
Support Activities for Oil and Gas Operati	LaSalle	\$ 12,176,000	\$ 8,924,840	\$ 8,947,234	\$ 9,142,272	\$ 15,358,411	\$ 17,840,439
Support Activities for Oil and Gas Operati	Lincoln	\$ 8,470,000	\$ 9,190,000	\$ 5,038,000	\$ 7,410,870	\$ 3,477,000	\$ 11,602,000
Support Activities for Oil and Gas Operati	Livingston	\$ 313,000	\$ 418,000	\$ 657,000	\$ 652,166	\$ 707,000	\$ 554,000
Support Activities for Oil and Gas Operati	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operati	Morehouse	\$ 4,303,703	\$ 2,434,991	\$ 2,194,768	\$ 3,622,905	\$ 1,708,831	\$ 1,498,924
Support Activities for Oil and Gas Operati	Natchitoches	\$ -	\$ -	\$ 46,538	\$ 53,893	\$ 64,669	\$ 205,765
Support Activities for Oil and Gas Operati	Orleans	\$ 94,784,000	\$ 84,106,000	\$ 76,788,601	\$ 80,318,593	\$ 82,424,000	\$ 93,263,000
Support Activities for Oil and Gas Operati	Ouachita	\$ 1,532,536	\$ 1,220,174	\$ 1,295,191	\$ 1,636,234	\$ 2,290,637	\$ 2,181,000
Support Activities for Oil and Gas Operati	Plaquemines	\$ 47,797,383	\$ 40,361,697	\$ 43,114,000	\$ 46,601,000	\$ 44,225,604	\$ 53,048,000
Support Activities for Oil and Gas Operati	Pointe Coupee	\$ 2,532,883	\$ 3,299,941	\$ 3,502,822	\$ 5,408,537	\$ 8,112,487	\$ 6,883,268
Support Activities for Oil and Gas Operati	Rapides	\$ 6,624,000	\$ 12,065,000	\$ 13,353,000	\$ 11,638,633	\$ 15,517,566	\$ 14,891,000
Support Activities for Oil and Gas Operati	Red River	\$ 2,151,852	\$ 2,434,991	\$ 4,389,537	\$ 10,868,714	\$ 3,417,662	\$ 4,496,772
Support Activities for Oil and Gas Operati	Richland	\$ 1,499,778	\$ 1,736,863	\$ 1,382,734	\$ 2,189,000	\$ 1,917,000	\$ 2,011,000
Support Activities for Oil and Gas Operati	Sabine	\$ 165,450	\$ 143,703	\$ 152,538	\$ 235,526	\$ 829,000	\$ 593,000
Support Activities for Oil and Gas Operati	St. Bernard	\$ 4,303,703	\$ 2,434,991	\$ 4,389,537	\$ 7,245,810	\$ 3,417,662	\$ 2,997,848
Support Activities for Oil and Gas Operati	St. Charles	\$ 5,538,000	\$ 4,594,000	\$ 4,568,000	\$ 4,789,000	\$ 5,397,000	\$ 5,251,000
Support Activities for Oil and Gas Operati	St. Helena	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operati	St. James	\$ 2,151,852	\$ 1,217,496	\$ 2,194,768	\$ 3,622,905	\$ 1,708,831	\$ -
Support Activities for Oil and Gas Operati	St. John the Baptist	\$ 23,863,000	\$ 18,234,000	\$ 19,063,748	\$ 28,773,000	\$ 27,462,000	\$ 34,819,000
Support Activities for Oil and Gas Operati	St. Landry	\$ 11,346,000	\$ 10,397,000	\$ 7,352,880	\$ 9,731,335	\$ 14,596,427	\$ 20,125,220
Support Activities for Oil and Gas Operati	St. Martin	\$ 10,083,532	\$ 9,244,715	\$ 9,813,082	\$ 10,765,826	\$ 13,636,175	\$ 15,984,865
Support Activities for Oil and Gas Operati	St. Mary	\$ 242,728,470	\$ 195,207,598	\$ 215,497,371	\$ 220,759,531	\$ 253,383,565	\$ 268,738,050
Support Activities for Oil and Gas Operati	St. Tammany	\$ 26,452,000	\$ 23,964,000	\$ 26,015,000	\$ 35,065,000	\$ 29,464,282	\$ 38,351,969
Support Activities for Oil and Gas Operati	Tangipahoa	\$ 2,054,465	\$ 1,784,426	\$ 1,894,133	\$ 2,924,639	\$ 4,386,786	\$ 3,722,092
Support Activities for Oil and Gas Operati	Terrebonne	\$ 266,502,000	\$ 251,413,000	\$ 262,119,000	\$ 263,241,000	\$ 275,973,000	\$ 343,121,000
Support Activities for Oil and Gas Operati	Union	\$ 2,151,852	\$ 2,434,991	\$ 6,584,305	\$ 10,868,714	\$ 5,126,493	\$ 5,995,697
Support Activities for Oil and Gas Operati	Vermilion	\$ 32,303,214	\$ 28,057,275	\$ 31,271,356	\$ 31,040,086	\$ 43,454,408	\$ 57,060,900
Support Activities for Oil and Gas Operati	Vernon	\$ 47,034	\$ 61,278	\$ 43,363	\$ 75,325	\$ 90,386	\$ 159,772
Support Activities for Oil and Gas Operati	Washington	\$ 2,151,852	\$ 1,217,496	\$ 2,194,768	\$ 7,245,810	\$ 3,417,662	\$ 2,997,848
Support Activities for Oil and Gas Operati	Webster	\$ 21,684,923	\$ 19,731,542	\$ 19,992,613	\$ 22,049,729	\$ 25,135,701	\$ 29,465,065
Support Activities for Oil and Gas Operati	West Baton Rouge	\$ 2,151,852	\$ -	\$ -	\$ -	\$ 1,708,831	\$ 1,498,924
Support Activities for Oil and Gas Operati	West Carroll	\$ 2,151,852	\$ 1,217,496	\$ 2,194,768	\$ 3,622,905	\$ 3,417,662	\$ 2,997,848
Support Activities for Oil and Gas Operati	West Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operati	Winn	\$ -	\$ 40,490	\$ 128,939	\$ 149,317	\$ 157,000	\$ 190,031
Support Activities for Oil and Gas Operati	Unknown	\$ 9,496,000	\$ 10,478,000	\$ 23,035,299	\$ 20,242,000	\$ 21,404,000	\$ 26,558,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Economic Importance of the Louisiana Oil and Natural Gas Industry

Exhibit A-28: Support Activities for Oil and Gas Operations Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Support Activities for Oil and Gas Operations	Acadia	\$ 15,408,872	\$ 13,583,898	\$ 12,601,000	\$ 14,043,000	\$ 15,216,000	\$ 14,508,000
Support Activities for Oil and Gas Operations	Allen	\$ 1,439,342	\$ 1,011,209	\$ 779,664	\$ 1,433,434	\$ 3,451,768	\$ 3,036,266
Support Activities for Oil and Gas Operations	Ascension	\$ 3,145,269	\$ 2,012,483	\$ 1,425,000	\$ 987,765	\$ 2,513,692	\$ 4,031,000
Support Activities for Oil and Gas Operations	Assumption	\$ 3,738,115	\$ 2,733,499	\$ 2,140,127	\$ 3,061,000	\$ 3,115,000	\$ 1,239,455
Support Activities for Oil and Gas Operations	Avoyelles	\$ 12,987,071	\$ 7,386,405	\$ 4,337,254	\$ 4,078,561	\$ 5,189,620	\$ 3,349,230
Support Activities for Oil and Gas Operations	Beauregard	\$ 912,000	\$ 532,000	\$ 835,371	\$ 311,000	\$ 430,000	\$ 430,000
Support Activities for Oil and Gas Operations	Bienville	\$ 4,388,944	\$ 1,629,000	\$ 3,188,000	\$ 4,824,183	\$ 10,054,000	\$ 10,226,000
Support Activities for Oil and Gas Operations	Bossier	\$ 94,225,000	\$ 94,390,000	\$ 66,909,000	\$ 77,000,000	\$ 96,465,000	\$ 92,187,000
Support Activities for Oil and Gas Operations	Caddo	\$ 89,786,000	\$ 70,597,000	\$ 41,285,000	\$ 45,813,000	\$ 96,092,000	\$ 110,588,000
Support Activities for Oil and Gas Operations	Calcasieu	\$ 52,971,672	\$ 36,974,868	\$ 24,123,810	\$ 28,734,280	\$ 38,486,225	\$ 44,708,203
Support Activities for Oil and Gas Operations	Caldwell	\$ 4,318,026	\$ 4,044,837	\$ 2,338,991	\$ 4,300,302	\$ 5,177,652	\$ 3,036,266
Support Activities for Oil and Gas Operations	Cameron	\$ 1,565,529	\$ 1,438,331	\$ 965,234	\$ 529,470	\$ 481,218	\$ 560,000
Support Activities for Oil and Gas Operations	Catahoula	\$ 1,196,000	\$ 974,378	\$ 762,865	\$ 860,838	\$ 810,000	\$ 883,628
Support Activities for Oil and Gas Operations	Claiborne	\$ 20,350,841	\$ 21,082,222	\$ 16,505,811	\$ 16,434,350	\$ 20,911,306	\$ 19,118,694
Support Activities for Oil and Gas Operations	Concordia	\$ 3,355,000	\$ 2,543,000	\$ 1,602,000	\$ 1,621,000	\$ 1,972,000	\$ 2,001,000
Support Activities for Oil and Gas Operations	De Soto	\$ 28,625,000	\$ 22,361,000	\$ 17,524,000	\$ 22,958,000	\$ 31,332,000	\$ 31,821,000
Support Activities for Oil and Gas Operations	East Baton Rouge	\$ 13,860,000	\$ 11,836,347	\$ 11,302,000	\$ 15,417,000	\$ 25,231,000	\$ 21,054,000
Support Activities for Oil and Gas Operations	East Carroll	\$ 1,439,342	\$ 1,011,209	\$ 779,664	\$ 1,433,434	\$ 1,725,884	\$ 1,518,133
Support Activities for Oil and Gas Operations	East Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operations	Evangeline	\$ 665,565	\$ 454,249	\$ 355,643	\$ 418,038	\$ 425,534	\$ 1,088,000
Support Activities for Oil and Gas Operations	Franklin	\$ 106,662	\$ 272,989	\$ 213,730	\$ 200,983	\$ 455,000	\$ 537,000
Support Activities for Oil and Gas Operations	Grant	\$ 1,439,342	\$ 2,022,419	\$ 1,559,327	\$ 1,433,434	\$ 1,725,884	\$ 3,036,266
Support Activities for Oil and Gas Operations	Iberia	\$ 124,720,632	\$ 103,520,000	\$ 98,081,000	\$ 97,488,000	\$ 98,294,000	\$ 97,642,000
Support Activities for Oil and Gas Operations	Iberville	\$ 9,805,718	\$ 8,365,512	\$ 6,549,574	\$ 4,619,196	\$ 3,918,354	\$ 2,275,000
Support Activities for Oil and Gas Operations	Jackson	\$ 1,561,000	\$ 1,909,213	\$ 747,386	\$ 702,808	\$ -	\$ -
Support Activities for Oil and Gas Operations	Jefferson	\$ 56,373,000	\$ 41,725,000	\$ 20,141,000	\$ 44,351,030	\$ 49,983,419	\$ 42,143,314
Support Activities for Oil and Gas Operations	Jefferson Davis	\$ 4,348,053	\$ 4,451,324	\$ 4,065,898	\$ 3,354,000	\$ 3,570,000	\$ 4,143,000
Support Activities for Oil and Gas Operations	Lafayette	\$ 1,202,599,000	\$ 968,914,000	\$ 699,356,000	\$ 651,268,000	\$ 654,502,000	\$ 653,078,000
Support Activities for Oil and Gas Operations	Lafourche	\$ 91,420,000	\$ 87,909,000	\$ 61,324,000	\$ 72,286,000	\$ 36,377,939	\$ 36,473,607
Support Activities for Oil and Gas Operations	LaSalle	\$ 15,159,101	\$ 12,932,622	\$ 9,204,801	\$ 8,222,996	\$ 9,912,372	\$ 9,595,735
Support Activities for Oil and Gas Operations	Lincoln	\$ 11,764,000	\$ 7,862,541	\$ 5,036,551	\$ 5,615,000	\$ 6,402,000	\$ 7,130,250
Support Activities for Oil and Gas Operations	Livingston	\$ 316,000	\$ 433,000	\$ 273,594	\$ 205,821	\$ 261,889	\$ 183,000
Support Activities for Oil and Gas Operations	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operations	Morehouse	\$ 1,439,342	\$ 1,011,209	\$ 779,664	\$ 1,433,434	\$ 1,725,884	\$ 1,518,133
Support Activities for Oil and Gas Operations	Natchitoches	\$ 340,000	\$ 363,859	\$ 366,268	\$ 306,153	\$ 243,471	\$ 329,971
Support Activities for Oil and Gas Operations	Orleans	\$ 99,615,000	\$ 66,769,000	\$ 23,232,000	\$ 38,978,000	\$ 50,444,000	\$ 63,105,000
Support Activities for Oil and Gas Operations	Ouachita	\$ 2,589,000	\$ 1,750,000	\$ 953,000	\$ 976,000	\$ 1,080,000	\$ 1,367,000
Support Activities for Oil and Gas Operations	Plaquemines	\$ 57,812,000	\$ 49,506,000	\$ 31,319,000	\$ 26,014,000	\$ 33,300,586	\$ 19,000,000
Support Activities for Oil and Gas Operations	Pointe Coupee	\$ 8,032,000	\$ 6,520,650	\$ 3,063,110	\$ 3,840,550	\$ 4,886,772	\$ 6,185,000
Support Activities for Oil and Gas Operations	Rapides	\$ 13,158,000	\$ 7,483,620	\$ 4,882,598	\$ 3,673,103	\$ 657,000	\$ 4,524,414
Support Activities for Oil and Gas Operations	Red River	\$ 2,878,684	\$ 2,022,419	\$ 779,664	\$ 2,866,868	\$ 3,451,768	\$ 4,554,400
Support Activities for Oil and Gas Operations	Richland	\$ 1,740,000	\$ 1,029,607	\$ 806,106	\$ 758,026	\$ 964,523	\$ 1,400,569
Support Activities for Oil and Gas Operations	Sabine	\$ 465,978	\$ 397,538	\$ 219,000	\$ 464,000	\$ 585,214	\$ 618,022
Support Activities for Oil and Gas Operations	St. Bernard	\$ 1,439,342	\$ 1,011,209	\$ 779,664	\$ 1,433,434	\$ 1,725,884	\$ 1,518,133
Support Activities for Oil and Gas Operations	St. Charles	\$ 6,063,000	\$ 6,367,000	\$ 3,905,000	\$ 1,961,539	\$ 2,495,890	\$ 2,416,163
Support Activities for Oil and Gas Operations	St. Helena	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operations	St. James	\$ 1,439,342	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operations	St. John the Baptist	\$ 24,958,541	\$ 25,551,333	\$ 20,004,793	\$ 22,590,000	\$ 20,673,000	\$ 23,171,567
Support Activities for Oil and Gas Operations	St. Landry	\$ 22,003,427	\$ 19,944,924	\$ 14,696,840	\$ 11,228,957	\$ 14,287,887	\$ 12,767,521
Support Activities for Oil and Gas Operations	St. Martin	\$ 14,875,975	\$ 15,957,000	\$ 11,421,000	\$ 8,494,121	\$ 10,808,043	\$ 12,241,000
Support Activities for Oil and Gas Operations	St. Mary	\$ 217,024,884	\$ 185,149,550	\$ 171,565,000	\$ 115,865,509	\$ 130,084,369	\$ 117,533,738
Support Activities for Oil and Gas Operations	St. Tammany	\$ 47,300,000	\$ 40,041,000	\$ 29,011,000	\$ 26,649,000	\$ 26,740,000	\$ 23,883,000
Support Activities for Oil and Gas Operations	Tangipahoa	\$ 4,391,000	\$ 2,528,000	\$ 2,208,482	\$ 1,038,379	\$ 660,624	\$ 639,522
Support Activities for Oil and Gas Operations	Terrebonne	\$ 342,606,000	\$ 402,615,000	\$ 291,027,000	\$ 265,905,000	\$ 302,549,000	\$ 339,317,000
Support Activities for Oil and Gas Operations	Union	\$ 7,196,710	\$ 5,056,047	\$ 2,338,991	\$ 2,866,868	\$ 1,725,884	\$ 1,518,133
Support Activities for Oil and Gas Operations	Vermilion	\$ 64,335,734	\$ 56,549,708	\$ 48,537,000	\$ 51,947,000	\$ 60,733,000	\$ 61,803,000
Support Activities for Oil and Gas Operations	Vernon	\$ 141,930	\$ 121,084	\$ 94,800	\$ 152,000	\$ 113,430	\$ 112,000
Support Activities for Oil and Gas Operations	Washington	\$ 2,878,684	\$ 1,011,209	\$ 779,664	\$ 1,433,434	\$ 1,725,884	\$ 1,518,133
Support Activities for Oil and Gas Operations	Webster	\$ 27,421,035	\$ 23,393,596	\$ 19,980,486	\$ 19,571,625	\$ 26,895,477	\$ 27,821,000
Support Activities for Oil and Gas Operations	West Baton Rouge	\$ 1,439,342	\$ 1,011,209	\$ 779,664	\$ 2,866,868	\$ 3,451,768	\$ 4,554,400
Support Activities for Oil and Gas Operations	West Carroll	\$ 2,878,684	\$ 2,022,419	\$ 1,559,327	\$ 2,866,868	\$ 1,725,884	\$ 1,518,133
Support Activities for Oil and Gas Operations	West Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Support Activities for Oil and Gas Operations	Winn	\$ 56,270	\$ 48,005	\$ 37,585	\$ 35,343	\$ -	\$ -
Support Activities for Oil and Gas Operations	Unknown	\$ 25,669,000	\$ 24,215,250	\$ 15,778,000	\$ 16,282,000	\$ 23,853,000	\$ 79,374,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-29: Natural Gas Distribution Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Natural Gas Distribution	Acadia	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Allen	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Ascension	\$ 2,872,000	\$ 2,762,000	\$ 2,535,000	\$ 2,402,000	\$ 1,673,000	\$ 1,783,000
Natural Gas Distribution	Avoyelles	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Beauregard	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Bienville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Bossier	\$ 10,449,000	\$ 10,687,000	\$ 11,789,000	\$ 9,403,000	\$ 8,534,000	\$ 5,967,000
Natural Gas Distribution	Caddo	\$ 28,961,000	\$ 31,324,000	\$ 33,669,000	\$ 39,453,000	\$ 41,197,000	\$ 40,789,054
Natural Gas Distribution	Calcasieu	\$ 2,499,163	\$ 2,787,069	\$ 4,444,000	\$ 4,464,000	\$ 5,035,000	\$ 4,726,000
Natural Gas Distribution	Cameron	\$ 758,135	\$ 842,610	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	Concordia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	De Soto	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	East Baton Rouge	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Evangeline	\$ 1,516,270	\$ 1,685,220	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	Franklin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Iberia	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Jefferson	\$ 2,274,405	\$ 2,527,830	\$ 3,099,413	\$ 3,007,556	\$ 2,956,905	\$ 2,698,197
Natural Gas Distribution	Jefferson Davis	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Lafayette	\$ 4,573,000	\$ 4,499,000	\$ 4,394,000	\$ 4,483,000	\$ 2,944,841	\$ 2,895,199
Natural Gas Distribution	Lafourche	\$ 2,803,000	\$ 2,743,000	\$ 2,703,000	\$ 2,508,724	\$ 3,460,213	\$ 2,745,000
Natural Gas Distribution	LaSalle	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Lincoln	\$ 2,048,434	\$ 1,827,533	\$ 1,879,081	\$ 1,950,932	\$ 3,126,000	\$ 3,122,000
Natural Gas Distribution	Livingston	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 899,399
Natural Gas Distribution	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Morehouse	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 1,798,798
Natural Gas Distribution	Natchitoches	\$ 758,135	\$ 1,685,220	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	Orleans	\$ 2,274,405	\$ 2,527,830	\$ 4,132,551	\$ 4,010,075	\$ 4,928,176	\$ 5,396,393
Natural Gas Distribution	Ouachita	\$ 1,516,270	\$ 1,685,220	\$ 2,066,275	\$ 3,007,556	\$ 2,956,905	\$ 1,798,798
Natural Gas Distribution	Plaquemines	\$ 758,135	\$ 842,610	\$ 2,066,275	\$ 2,005,038	\$ 985,635	\$ 899,399
Natural Gas Distribution	Rapides	\$ 1,516,270	\$ 1,685,220	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	Red River	\$ -	\$ -	\$ -	\$ 1,002,519	\$ -	\$ -
Natural Gas Distribution	Richland	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 1,798,798
Natural Gas Distribution	Sabine	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Bernard	\$ 758,135	\$ 842,610	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	St. Charles	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	St. John the Baptist	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Landry	\$ 1,516,270	\$ 1,685,220	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	St. Martin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Mary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Tammany	\$ 3,790,675	\$ 3,370,440	\$ 3,099,413	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	Tangipahoa	\$ 758,135	\$ 842,610	\$ 2,066,275	\$ 2,005,038	\$ 1,971,270	\$ 1,798,798
Natural Gas Distribution	Terrebonne	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Vermilion	\$ 1,516,270	\$ 1,685,220	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Vernon	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Washington	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Webster	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	West Carroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	West Feliciana	\$ 758,135	\$ 842,610	\$ 1,033,138	\$ 1,002,519	\$ 985,635	\$ 899,399
Natural Gas Distribution	Winn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Unknown	\$ -	\$ -	\$ -	\$ 1,002,519	\$ 985,635	\$ 899,399

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-30: Natural Gas Distribution Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Natural Gas Distribution	Acadia	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Allen	\$ 1,119,787	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Ascension	\$ 1,913,000	\$ 1,950,000	\$ 1,033,783	\$ 591,504	\$ 746,274	\$ 819,466
Natural Gas Distribution	Avoyelles	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ -	\$ -	\$ -
Natural Gas Distribution	Beauregard	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Bienville	\$ -	\$ -	\$ -	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Bossier	\$ 7,901,000	\$ 7,583,000	\$ 6,556,000	\$ 10,278,000	\$ 10,677,000	\$ 12,892,000
Natural Gas Distribution	Caddo	\$ 32,551,412	\$ 36,745,407	\$ 24,122,235	\$ 20,703,181	\$ 24,111,013	\$ 28,682,052
Natural Gas Distribution	Calcasieu	\$ 6,435,000	\$ 2,582,000	\$ 2,734,000	\$ 2,654,000	\$ 3,083,000	\$ 3,148,000
Natural Gas Distribution	Cameron	\$ 2,239,573	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Concordia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	De Soto	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	East Baton Rouge	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Evangeline	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Franklin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Iberia	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ -	\$ -
Natural Gas Distribution	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Jefferson	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Jefferson Davis	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ -	\$ -
Natural Gas Distribution	Lafayette	\$ 1,386,296	\$ 1,203,776	\$ 790,242	\$ 1,356,469	\$ 1,711,395	\$ 1,879,243
Natural Gas Distribution	Lafourche	\$ 2,564,000	\$ 2,121,670	\$ 1,392,812	\$ 796,931	\$ 502,726	\$ 552,031
Natural Gas Distribution	LaSalle	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Lincoln	\$ 2,533,472	\$ 3,666,525	\$ 1,925,569	\$ 1,652,642	\$ 2,085,063	\$ 2,289,559
Natural Gas Distribution	Livingston	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Morehouse	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Natchitoches	\$ 1,119,787	\$ 1,058,098	\$ 2,391,695	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Orleans	\$ 4,479,146	\$ 4,232,392	\$ 3,587,543	\$ 3,755,252	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Ouachita	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Plaquemines	\$ 1,119,787	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Rapides	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Red River	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Richland	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Sabine	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Bernard	\$ 2,239,573	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	St. Charles	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	St. John the Baptist	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Landry	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	St. Martin	\$ -	\$ -	\$ -	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	St. Mary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	St. Tammany	\$ 2,239,573	\$ 2,116,196	\$ 2,391,695	\$ 2,503,501	\$ 3,588,195	\$ 3,757,395
Natural Gas Distribution	Tangipahoa	\$ 2,239,573	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Terrebonne	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 939,349
Natural Gas Distribution	Vermilion	\$ 2,239,573	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Vernon	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Washington	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 2,503,501	\$ 2,392,130	\$ 1,878,698
Natural Gas Distribution	Webster	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	West Carroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	West Feliciana	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 939,349
Natural Gas Distribution	Winn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas Distribution	Unknown	\$ 1,119,787	\$ 1,058,098	\$ 1,195,848	\$ 1,251,751	\$ 1,196,065	\$ 2,818,046

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-31: Oil and Gas Pipeline Construction Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Oil and Gas Pipeline Construction	Acadia	\$ 17,452,742	\$ 15,942,595	\$ 12,454,112	\$ 20,840,205	\$ 25,223,332	\$ 29,273,220
Oil and Gas Pipeline Construction	Allen	\$ 13,902,512	\$ 29,813,392	\$ 7,873,345	\$ 7,341,933	\$ 3,525,088	\$ 3,201,143
Oil and Gas Pipeline Construction	Ascension	\$ 43,409,000	\$ 31,225,000	\$ 17,929,000	\$ 47,725,000	\$ 13,844,000	\$ 59,113,574
Oil and Gas Pipeline Construction	Assumption	\$ 4,917,256	\$ 2,994,518	\$ 1,169,636	\$ 1,304,814	\$ 1,184,433	\$ 1,374,607
Oil and Gas Pipeline Construction	Avoyelles	\$ -	\$ 7,453,348	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Beauregard	\$ 4,634,171	\$ 7,453,348	\$ 1,968,336	\$ -	\$ 1,762,544	\$ 3,201,143
Oil and Gas Pipeline Construction	Bienville	\$ 4,634,171	\$ 7,453,348	\$ 3,936,673	\$ -	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Bossier	\$ 19,090,000	\$ 8,182,000	\$ 9,755,000	\$ 4,330,277	\$ 2,620,512	\$ 4,561,896
Oil and Gas Pipeline Construction	Caddo	\$ 25,598,000	\$ 6,118,000	\$ 4,966,000	\$ 8,323,000	\$ 8,678,000	\$ 3,083,000
Oil and Gas Pipeline Construction	Calcasieu	\$ 106,782,000	\$ 78,124,000	\$ 41,601,000	\$ 47,677,000	\$ 60,408,000	\$ 76,575,000
Oil and Gas Pipeline Construction	Caldwell	\$ 4,634,171	\$ 7,453,348	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Cameron	\$ 2,445,830	\$ 2,234,198	\$ 1,745,321	\$ 1,947,033	\$ 1,767,401	\$ 2,051,177
Oil and Gas Pipeline Construction	Claiborne	\$ -	\$ -	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	De Soto	\$ 3,256,000	\$ 3,583,000	\$ 4,339,000	\$ 7,848,882	\$ 27,667,000	\$ 21,045,000
Oil and Gas Pipeline Construction	East Baton Rouge	\$ 418,455,000	\$ 544,426,000	\$ 362,654,000	\$ 323,175,000	\$ 383,541,000	\$ 413,127,000
Oil and Gas Pipeline Construction	East Feliciana	\$ -	\$ 14,906,696	\$ 5,905,009	\$ 7,341,933	\$ 3,525,088	\$ 1,600,572
Oil and Gas Pipeline Construction	Evangeline	\$ -	\$ -	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Franklin	\$ 4,634,171	\$ -	\$ -	\$ -	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Iberia	\$ 24,385,939	\$ 22,275,878	\$ 64,376,000	\$ 89,635,000	\$ 95,845,000	\$ 68,291,000
Oil and Gas Pipeline Construction	Iberville	\$ 27,008,000	\$ 12,829,000	\$ 18,041,000	\$ 17,592,000	\$ 35,525,945	\$ 35,340,028
Oil and Gas Pipeline Construction	Jackson	\$ 4,634,171	\$ 7,453,348	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Jefferson	\$ 60,151,000	\$ 23,634,000	\$ 10,584,000	\$ 11,655,000	\$ 12,882,000	\$ 15,701,000
Oil and Gas Pipeline Construction	Jefferson Davis	\$ 9,268,341	\$ 14,906,696	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Lafayette	\$ 22,137,000	\$ 19,510,000	\$ 21,833,000	\$ 26,789,000	\$ 34,068,000	\$ 49,540,000
Oil and Gas Pipeline Construction	Lafourche	\$ 13,902,512	\$ 22,360,044	\$ 5,905,009	\$ 9,789,244	\$ 5,287,633	\$ 3,201,143
Oil and Gas Pipeline Construction	LaSalle	\$ -	\$ -	\$ -	\$ -	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Lincoln	\$ 5,802,000	\$ 1,849,000	\$ 2,394,000	\$ 12,171,000	\$ 5,378,000	\$ 2,674,000
Oil and Gas Pipeline Construction	Livingston	\$ 4,634,171	\$ 22,360,044	\$ 7,873,345	\$ 12,236,555	\$ 8,812,721	\$ 9,603,430
Oil and Gas Pipeline Construction	Madison	\$ 9,268,341	\$ 14,906,696	\$ 1,968,336	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Morehouse	\$ -	\$ -	\$ -	\$ -	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Natchitoches	\$ 4,634,171	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Orleans	\$ 4,938,435	\$ 6,014,831	\$ 4,698,695	\$ 6,232,000	\$ 5,947,671	\$ 5,650,000
Oil and Gas Pipeline Construction	Ouachita	\$ 3,686,713	\$ 41,074,000	\$ 5,634,000	\$ 11,739,414	\$ 7,992,256	\$ 2,569,000
Oil and Gas Pipeline Construction	Plaquemines	\$ 3,404,081	\$ 3,109,533	\$ 2,429,120	\$ 3,387,326	\$ 2,459,850	\$ 2,854,807
Oil and Gas Pipeline Construction	Pointe Coupee	\$ 4,634,171	\$ -	\$ -	\$ -	\$ -	\$ 1,600,572
Oil and Gas Pipeline Construction	Rapides	\$ 3,642,000	\$ 946,267	\$ 2,217,628	\$ 1,649,284	\$ 1,497,122	\$ 1,737,501
Oil and Gas Pipeline Construction	Red River	\$ 4,634,171	\$ 7,453,348	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Richland	\$ 4,634,171	\$ 14,906,696	\$ 3,936,673	\$ 2,447,311	\$ 1,762,544	\$ 3,201,143
Oil and Gas Pipeline Construction	St. Bernard	\$ 9,268,341	\$ 7,453,348	\$ 3,936,673	\$ 4,894,622	\$ 3,525,088	\$ 1,600,572
Oil and Gas Pipeline Construction	St. Charles	\$ 73,595,000	\$ 85,240,000	\$ 49,600,000	\$ 53,971,000	\$ 48,760,000	\$ 32,388,869
Oil and Gas Pipeline Construction	St. James	\$ 4,711,489	\$ 2,151,907	\$ 1,171,000	\$ 6,076,000	\$ 4,255,759	\$ 3,951,255
Oil and Gas Pipeline Construction	St. John the Baptist	\$ 2,466,000	\$ 1,281,435	\$ 2,002,076	\$ 2,233,461	\$ 2,027,403	\$ 2,352,926
Oil and Gas Pipeline Construction	St. Landry	\$ 2,595,726	\$ 2,371,123	\$ 2,469,714	\$ 2,755,146	\$ 3,042,000	\$ 1,451,257
Oil and Gas Pipeline Construction	St. Martin	\$ 9,029,917	\$ 13,327,000	\$ 14,353,000	\$ 9,584,502	\$ 12,004,000	\$ 10,097,162
Oil and Gas Pipeline Construction	St. Mary	\$ 6,030,000	\$ 4,799,000	\$ 8,307,000	\$ 7,081,000	\$ 7,530,000	\$ 7,832,000
Oil and Gas Pipeline Construction	St. Tammany	\$ 3,825,609	\$ 6,989,175	\$ 8,189,756	\$ 12,181,693	\$ 8,293,363	\$ 9,624,954
Oil and Gas Pipeline Construction	Tangipahoa	\$ 1,194,614	\$ 727,498	\$ 802,000	\$ 809,000	\$ 1,539,000	\$ 333,951
Oil and Gas Pipeline Construction	Terrebonne	\$ 48,022,000	\$ 44,502,000	\$ 46,916,000	\$ 46,308,000	\$ 51,177,000	\$ 58,466,000
Oil and Gas Pipeline Construction	Union	\$ 4,634,171	\$ 14,906,696	\$ 3,936,673	\$ 4,894,622	\$ 3,525,088	\$ 3,201,143
Oil and Gas Pipeline Construction	Vermilion	\$ 4,634,171	\$ -	\$ 3,936,673	\$ 4,894,622	\$ 3,525,088	\$ 3,201,143
Oil and Gas Pipeline Construction	Vernon	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Webster	\$ 37,845,000	\$ 17,338,000	\$ 17,652,939	\$ 14,769,856	\$ 13,407,197	\$ 15,559,872
Oil and Gas Pipeline Construction	West Baton Rouge	\$ 33,343,383	\$ 18,274,953	\$ 28,552,230	\$ 37,160,776	\$ 33,732,343	\$ 44,741,082
Oil and Gas Pipeline Construction	West Carroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	West Feliciana	\$ 4,634,171	\$ 7,453,348	\$ 3,936,673	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Winn	\$ -	\$ 7,453,348	\$ 1,968,336	\$ 2,447,311	\$ 1,762,544	\$ 1,600,572
Oil and Gas Pipeline Construction	Unknown	\$ 3,977,000	\$ 14,379,000	\$ 4,495,000	\$ 4,273,000	\$ 3,931,000	\$ 35,754,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-32: Oil and Gas Pipeline Construction Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Oil and Gas Pipeline Construction	Acadia	\$ 30,680,000	\$ 32,257,524	\$ 13,824,746	\$ 12,743,372	\$ 15,902,574	\$ 19,834,951
Oil and Gas Pipeline Construction	Allen	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ 3,958,447	\$ 3,484,008
Oil and Gas Pipeline Construction	Ascension	\$ 94,671,000	\$ 188,828,000	\$ 173,166,000	\$ 119,886,000	\$ 96,999,000	\$ 145,002,000
Oil and Gas Pipeline Construction	Assumption	\$ 2,924,500	\$ 3,029,486	\$ 2,596,720	\$ 4,322,000	\$ 4,480,501	\$ 5,588,437
Oil and Gas Pipeline Construction	Avoyelles	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 12,008,828	\$ 7,916,894	\$ 6,968,017
Oil and Gas Pipeline Construction	Beauregard	\$ 3,301,145	\$ 7,531,912	\$ 7,964,946	\$ 6,004,414	\$ 15,833,787	\$ 13,936,034
Oil and Gas Pipeline Construction	Bienville	\$ 1,650,572	\$ 5,021,274	\$ 7,964,946	\$ 12,008,828	\$ 3,958,447	\$ -
Oil and Gas Pipeline Construction	Bossier	\$ 4,852,758	\$ 4,765,000	\$ 6,787,000	\$ 12,198,000	\$ 11,686,000	\$ 15,191,000
Oil and Gas Pipeline Construction	Caddo	\$ 4,113,000	\$ 3,581,944	\$ 3,837,822	\$ 2,998,000	\$ 4,414,638	\$ 4,405,030
Oil and Gas Pipeline Construction	Calcasieu	\$ 181,474,000	\$ 147,755,000	\$ 162,852,000	\$ 151,992,000	\$ 116,041,000	\$ 125,855,000
Oil and Gas Pipeline Construction	Caldwell	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ 3,958,447	\$ 3,484,008
Oil and Gas Pipeline Construction	Cameron	\$ 2,181,958	\$ 2,260,287	\$ 7,458,000	\$ 1,141,000	\$ 3,342,884	\$ 2,779,673
Oil and Gas Pipeline Construction	Claiborne	\$ 1,650,572	\$ 2,510,637	\$ 7,964,946	\$ 12,008,828	\$ 7,916,894	\$ 10,452,025
Oil and Gas Pipeline Construction	De Soto	\$ 7,331,000	\$ 6,574,000	\$ 1,910,000	\$ 4,897,000	\$ 7,792,000	\$ 13,446,506
Oil and Gas Pipeline Construction	East Baton Rouge	\$ 358,758,000	\$ 360,133,000	\$ 477,660,000	\$ 616,094,000	\$ 556,235,000	\$ 349,084,000
Oil and Gas Pipeline Construction	East Feliciana	\$ 1,650,572	\$ 5,021,274	\$ 7,964,946	\$ 12,008,828	\$ 3,958,447	\$ 6,968,017
Oil and Gas Pipeline Construction	Evangeline	\$ -	\$ -	\$ -	\$ 6,004,414	\$ 3,958,447	\$ 6,968,017
Oil and Gas Pipeline Construction	Franklin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Grant	\$ -	\$ 2,510,637	\$ 3,982,473	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Iberia	\$ 62,066,000	\$ 82,632,003	\$ 57,950,106	\$ 19,424,000	\$ 20,230,000	\$ 8,811,000
Oil and Gas Pipeline Construction	Iberville	\$ 28,194,953	\$ 29,207,116	\$ 22,253,191	\$ 37,462,000	\$ 46,122,000	\$ 44,657,000
Oil and Gas Pipeline Construction	Jackson	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Jefferson	\$ 19,018,000	\$ 12,186,000	\$ 12,554,000	\$ 15,418,000	\$ 17,415,000	\$ 16,458,000
Oil and Gas Pipeline Construction	Jefferson Davis	\$ 1,650,572	\$ 2,510,637	\$ 7,964,946	\$ 12,008,828	\$ 7,916,894	\$ 6,968,017
Oil and Gas Pipeline Construction	Lafayette	\$ 58,492,000	\$ 74,182,000	\$ 63,265,000	\$ 42,797,000	\$ 36,318,000	\$ 33,137,000
Oil and Gas Pipeline Construction	Lafourche	\$ 4,951,717	\$ 10,042,549	\$ 11,947,419	\$ 18,013,242	\$ 3,958,447	\$ 3,484,008
Oil and Gas Pipeline Construction	LaSalle	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ -	\$ -
Oil and Gas Pipeline Construction	Lincoln	\$ 4,377,009	\$ 6,801,207	\$ 2,075,000	\$ 3,582,433	\$ 4,470,551	\$ 5,576,026
Oil and Gas Pipeline Construction	Livingston	\$ 4,951,717	\$ 5,021,274	\$ 3,982,473	\$ 12,008,828	\$ 11,875,341	\$ 3,484,008
Oil and Gas Pipeline Construction	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Morehouse	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ 3,958,447	\$ 3,484,008
Oil and Gas Pipeline Construction	Natchitoches	\$ -	\$ -	\$ 3,982,473	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Orleans	\$ 8,811,289	\$ 1,808,000	\$ 4,410,000	\$ 10,699,000	\$ 7,101,000	\$ 20,528,000
Oil and Gas Pipeline Construction	Ouachita	\$ 3,370,000	\$ 10,221,108	\$ 8,005,000	\$ 4,037,861	\$ 3,599,000	\$ 5,418,000
Oil and Gas Pipeline Construction	Plaquemines	\$ 3,796,033	\$ 3,097,000	\$ 5,378,000	\$ 3,106,924	\$ 3,101,728	\$ 1,997,000
Oil and Gas Pipeline Construction	Pointe Coupee	\$ 1,650,572	\$ 2,510,637	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	Rapides	\$ 1,848,282	\$ 1,914,633	\$ 1,641,125	\$ 756,378	\$ 943,891	\$ 1,177,296
Oil and Gas Pipeline Construction	Red River	\$ -	\$ -	\$ -	\$ 6,004,414	\$ -	\$ -
Oil and Gas Pipeline Construction	Richland	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ 3,958,447	\$ 3,484,008
Oil and Gas Pipeline Construction	St. Bernard	\$ 1,650,572	\$ 2,510,637	\$ -	\$ -	\$ -	\$ -
Oil and Gas Pipeline Construction	St. Charles	\$ 34,453,950	\$ 29,742,336	\$ 20,394,882	\$ 18,799,591	\$ 23,460,186	\$ 14,630,702
Oil and Gas Pipeline Construction	St. James	\$ 3,152,387	\$ 2,177,036	\$ 2,799,065	\$ 1,720,081	\$ 1,073,253	\$ 1,338,646
Oil and Gas Pipeline Construction	St. John the Baptist	\$ 2,502,946	\$ 3,240,998	\$ 2,778,017	\$ 2,048,576	\$ 639,109	\$ 1,594,296
Oil and Gas Pipeline Construction	St. Landry	\$ 2,315,682	\$ 2,398,812	\$ 2,741,517	\$ 1,895,307	\$ 1,576,781	\$ 1,966,686
Oil and Gas Pipeline Construction	St. Martin	\$ 13,426,183	\$ 13,908,166	\$ 7,152,819	\$ 6,593,325	\$ 10,970,495	\$ 6,841,636
Oil and Gas Pipeline Construction	St. Mary	\$ 3,441,439	\$ 3,564,982	\$ 3,055,719	\$ 804,000	\$ 5,272,481	\$ 4,384,171
Oil and Gas Pipeline Construction	St. Tammany	\$ 6,334,000	\$ 10,606,185	\$ 9,091,077	\$ 8,379,972	\$ 17,429,076	\$ 27,291,000
Oil and Gas Pipeline Construction	Tangipahoa	\$ 355,244	\$ 367,997	\$ -	\$ -	\$ -	\$ 905,115
Oil and Gas Pipeline Construction	Terrebonne	\$ 63,147,000	\$ 53,030,000	\$ 49,066,000	\$ 52,862,000	\$ 54,953,000	\$ 54,360,000
Oil and Gas Pipeline Construction	Union	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 18,013,242	\$ 7,916,894	\$ 6,968,017
Oil and Gas Pipeline Construction	Vermilion	\$ 3,301,145	\$ 5,021,274	\$ 11,947,419	\$ 6,004,414	\$ 7,916,894	\$ 6,968,017
Oil and Gas Pipeline Construction	Vernon	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ 3,958,447	\$ 3,484,008
Oil and Gas Pipeline Construction	Webster	\$ 14,712,847	\$ 15,241,020	\$ 20,745,000	\$ 3,823,000	\$ 5,248,000	\$ 3,787,000
Oil and Gas Pipeline Construction	West Baton Rouge	\$ 53,542,943	\$ 43,139,496	\$ 26,412,114	\$ 14,607,693	\$ 29,307,000	\$ 37,894,583
Oil and Gas Pipeline Construction	West Carroll	\$ 1,650,572	\$ 2,510,637	\$ 3,982,473	\$ 6,004,414	\$ -	\$ -
Oil and Gas Pipeline Construction	West Feliciana	\$ 3,301,145	\$ 7,531,912	\$ 7,964,946	\$ 12,008,828	\$ 3,958,447	\$ -
Oil and Gas Pipeline Construction	Winn	\$ 1,650,572	\$ 2,510,637	\$ 11,947,419	\$ 24,017,656	\$ 15,833,787	\$ 13,936,034
Oil and Gas Pipeline Construction	Unknown	\$ 9,599,000	\$ 14,814,000	\$ 15,894,000	\$ 22,020,000	\$ 36,692,000	\$ 24,394,995

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-33: Petroleum Refineries Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Petroleum Refineries	Acadia	\$ 13,997,637	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Allen	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Ascension	\$ 34,994,092	\$ 45,826,502	\$ 47,750,040	\$ 47,803,668	\$ 46,476,726	\$ 40,836,808
Petroleum Refineries	Assumption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Avoyelles	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Beauregard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Bienville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Bossier	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Caddo	\$ 461,090	\$ 395,575	\$ 441,626	\$ 886,000	\$ 462,203	\$ 614,808
Petroleum Refineries	Calcasieu	\$ 208,776,000	\$ 187,547,000	\$ 192,549,000	\$ 209,788,000	\$ 222,144,000	\$ 221,558,000
Petroleum Refineries	Cameron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Concordia	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	East Baton Rouge	\$ 83,985,821	\$ 109,983,605	\$ 105,050,089	\$ 95,607,337	\$ 120,839,487	\$ 106,175,702
Petroleum Refineries	East Carroll	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	East Feliciana	\$ 6,998,818	\$ 9,165,300	\$ -	\$ -	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Evangeline	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Franklin	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Iberia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Iberville	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Jefferson	\$ 4,026,000	\$ 3,579,000	\$ 848,004	\$ 550,182	\$ 842,000	\$ 655,000
Petroleum Refineries	Jefferson Davis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Lafayette	\$ 760,089	\$ 652,089	\$ 728,003	\$ 708,489	\$ 2,295,000	\$ 2,346,000
Petroleum Refineries	Lafourche	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	LaSalle	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Lincoln	\$ 6,998,818	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Livingston	\$ 13,997,637	\$ 18,330,601	\$ 28,650,024	\$ 28,682,201	\$ 27,886,036	\$ 16,334,723
Petroleum Refineries	Morehouse	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Natchitoches	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Orleans	\$ 34,994,092	\$ 36,661,202	\$ 28,650,024	\$ 28,682,201	\$ 27,886,036	\$ 24,502,085
Petroleum Refineries	Ouachita	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Plaquemines	\$ 20,996,455	\$ 27,495,901	\$ 28,650,024	\$ 9,560,734	\$ 9,295,345	\$ 16,334,723
Petroleum Refineries	Rapides	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	St. Bernard	\$ 50,294,702	\$ 42,057,680	\$ 49,455,643	\$ 49,116,014	\$ 54,881,772	\$ 76,329,165
Petroleum Refineries	St. Charles	\$ 198,093,112	\$ 135,957,052	\$ 151,784,741	\$ 184,645,074	\$ 198,571,284	\$ 264,133,036
Petroleum Refineries	St. James	\$ 13,997,637	\$ 18,330,601	\$ 19,100,016	\$ 19,121,467	\$ 18,590,690	\$ 16,334,723
Petroleum Refineries	St. John the Baptist	\$ 71,494,411	\$ 61,401,388	\$ 70,792,280	\$ 74,484,354	\$ 83,747,884	\$ 113,968,129
Petroleum Refineries	St. Landry	\$ 20,996,455	\$ 27,495,901	\$ 19,100,016	\$ 19,121,467	\$ 18,590,690	\$ 16,334,723
Petroleum Refineries	St. Mary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	St. Tammany	\$ 13,997,637	\$ 18,330,601	\$ 19,100,016	\$ 19,121,467	\$ 18,590,690	\$ 16,334,723
Petroleum Refineries	Tangipahoa	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	Terrebonne	\$ 27,995,274	\$ 36,661,202	\$ 38,200,032	\$ 38,242,935	\$ 18,590,690	\$ 16,334,723
Petroleum Refineries	Vermilion	\$ 13,997,637	\$ 18,330,601	\$ 19,100,016	\$ 19,121,467	\$ 18,590,690	\$ 16,334,723
Petroleum Refineries	Webster	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 18,590,690	\$ 8,167,362
Petroleum Refineries	West Baton Rouge	\$ 20,996,455	\$ 27,495,901	\$ 28,650,024	\$ 28,682,201	\$ 27,886,036	\$ 24,502,085
Petroleum Refineries	West Carroll	\$ 6,998,818	\$ 9,165,300	\$ 9,550,008	\$ 9,560,734	\$ 9,295,345	\$ 8,167,362
Petroleum Refineries	West Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Winn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Unknown	\$ 804,492	\$ 345,091	\$ 385,266	\$ 187,469	\$ 403,217	\$ 1,072,692

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-34: Petroleum Refineries Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Petroleum Refineries	Acadia	\$ 10,463,243	\$ 12,834,250	\$ 31,516,552	\$ -	\$ -	\$ -
Petroleum Refineries	Allen	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Ascension	\$ 41,852,971	\$ 51,337,002	\$ 31,516,552	\$ 31,872,118	\$ 56,669,722	\$ -
Petroleum Refineries	Assumption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Avoyelles	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Beauregard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Bienville	\$ 10,463,243	\$ 12,834,250	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 24,429,267
Petroleum Refineries	Bossier	\$ -	\$ -	\$ -	\$ 63,744,235	\$ 56,669,722	\$ 48,858,535
Petroleum Refineries	Caddo	\$ 617,847	\$ 951,122	\$ 914,000	\$ 1,228,712	\$ 1,402,439	\$ 1,647,245
Petroleum Refineries	Calcasieu	\$ 233,492,000	\$ 240,986,000	\$ 254,776,000	\$ 255,391,000	\$ 263,435,000	\$ 279,454,000
Petroleum Refineries	Cameron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Concordia	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	East Baton Rouge	\$ 125,558,914	\$ 128,342,505	\$ 189,099,310	\$ 223,104,823	\$ 226,678,888	\$ 195,434,138
Petroleum Refineries	East Carroll	\$ 10,463,243	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	East Feliciana	\$ 10,463,243	\$ 12,834,250	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 24,429,267
Petroleum Refineries	Evangeline	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Franklin	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Iberia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Iberville	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Jefferson	\$ 334,000	\$ 542,000	\$ 391,000	\$ 943,742	\$ 359,059	\$ -
Petroleum Refineries	Jefferson Davis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Lafayette	\$ 900,000	\$ 888,000	\$ 878,411	\$ 810,193	\$ 462,373	\$ -
Petroleum Refineries	Lafourche	\$ 20,926,486	\$ 25,668,501	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 24,429,267
Petroleum Refineries	LaSalle	\$ -	\$ -	\$ -	\$ 31,872,118	\$ 28,334,861	\$ 24,429,267
Petroleum Refineries	Lincoln	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Livingston	\$ 20,926,486	\$ 25,668,501	\$ -	\$ -	\$ 28,334,861	\$ -
Petroleum Refineries	Morehouse	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Natchitoches	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Orleans	\$ 31,389,728	\$ 25,668,501	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 24,429,267
Petroleum Refineries	Ouachita	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Plaquemines	\$ 10,463,243	\$ 12,834,250	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 48,858,535
Petroleum Refineries	Rapides	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	St. Bernard	\$ 78,804,401	\$ 78,717,546	\$ 62,947,143	\$ 59,882,034	\$ 71,160,424	\$ 86,050,535
Petroleum Refineries	St. Charles	\$ 212,351,006	\$ 217,930,573	\$ 183,143,985	\$ 206,217,000	\$ 192,804,481	\$ 226,459,994
Petroleum Refineries	St. James	\$ 20,926,486	\$ 25,668,501	\$ 63,033,103	\$ 31,872,118	\$ 56,669,722	\$ 48,858,535
Petroleum Refineries	St. John the Baptist	\$ 117,738,118	\$ 128,045,327	\$ 111,409,876	\$ 101,899,972	\$ 123,106,903	\$ 148,786,276
Petroleum Refineries	St. Landry	\$ 20,926,486	\$ 25,668,501	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 48,858,535
Petroleum Refineries	St. Mary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	St. Tammany	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Tangipahoa	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Terrebonne	\$ 20,926,486	\$ 25,668,501	\$ 31,516,552	\$ 31,872,118	\$ 28,334,861	\$ 24,429,267
Petroleum Refineries	Vermilion	\$ 10,463,243	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Webster	\$ 10,463,243	\$ 12,834,250	\$ 31,516,552	\$ -	\$ -	\$ -
Petroleum Refineries	West Baton Rouge	\$ 52,316,214	\$ 38,502,751	\$ 94,549,655	\$ 95,616,353	\$ 113,339,444	\$ 97,717,069
Petroleum Refineries	West Carroll	\$ 10,463,243	\$ 12,834,250	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	West Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Winn	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Refineries	Unknown	\$ 780,000	\$ 553,160	\$ -	\$ 428,761	\$ 734,076	\$ 1,052,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-35: Asphalt Paving and Roofing Material Manufacturing Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Asphalt Paving and Roofing Material Man	Ascension	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Bossier	\$ -	\$ -	\$ -	\$ -	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Caddo	\$ -	\$ 2,579,889	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Calcasieu	\$ -	\$ -	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Catahoula	\$ -	\$ -	\$ -	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	East Baton Rouge	\$ 5,312,889	\$ 5,159,778	\$ 4,165,167	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Jefferson	\$ -	\$ -	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Lafayette	\$ 2,656,444	\$ 2,579,889	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Madison	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Natchitoches	\$ -	\$ -	\$ -	\$ -	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Orleans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Ouachita	\$ 2,656,444	\$ 2,579,889	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Rapides	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Sabine	\$ 2,656,444	\$ 2,579,889	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	St. Bernard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	St. Charles	\$ 2,656,444	\$ 2,579,889	\$ 2,082,583	\$ 2,296,583	\$ 3,990,400	\$ 4,673,733
Asphalt Paving and Roofing Material Man	St. James	\$ -	\$ -	\$ -	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	St. Landry	\$ 2,656,444	\$ 2,579,889	\$ 2,082,583	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	St. Mary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	St. Tammany	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Washington	\$ 2,656,444	\$ 2,579,889	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867
Asphalt Paving and Roofing Material Man	Webster	\$ 2,656,444	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	West Baton Rouge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Unknown	\$ -	\$ -	\$ 2,082,583	\$ 2,296,583	\$ 1,995,200	\$ 2,336,867

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-36: Asphalt Paving and Roofing Material Manufacturing Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Asphalt Paving and Roofing Material Man	Ascension	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Bossier	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Caddo	\$ 2,619,400	\$ 3,357,154	\$ 6,065,500	\$ 6,330,625	\$ 6,591,875	\$ 5,121,500
Asphalt Paving and Roofing Material Man	Calcasieu	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Catahoula	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	East Baton Rouge	\$ 2,619,400	\$ -	\$ -	\$ -	\$ -	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Jefferson	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Lafayette	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Madison	\$ -	\$ -	\$ -	\$ -	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Natchitoches	\$ 2,619,400	\$ -	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Orleans	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Ouachita	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	Rapides	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Sabine	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	St. Bernard	\$ -	\$ -	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	St. Charles	\$ 5,238,800	\$ 6,714,308	\$ 6,065,500	\$ 6,330,625	\$ 6,591,875	\$ 7,682,250
Asphalt Paving and Roofing Material Man	St. James	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 2,560,750
Asphalt Paving and Roofing Material Man	St. Landry	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	St. Mary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	St. Tammany	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Washington	\$ 2,619,400	\$ 3,357,154	\$ 3,032,750	\$ 3,165,312	\$ 3,295,938	\$ 5,121,500
Asphalt Paving and Roofing Material Man	Webster	\$ -	\$ -	\$ -	\$ 3,165,312	\$ -	\$ -
Asphalt Paving and Roofing Material Man	West Baton Rouge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Asphalt Paving and Roofing Material Man	Unknown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-37: Petroleum Merchant Wholesales Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Petroleum Merchant Wholesalers	Acadia	\$ 1,549,000	\$ 458,000	\$ 325,000	\$ 266,000	\$ 295,000	\$ 288,910
Petroleum Merchant Wholesalers	Allen	\$ 2,370,088	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	Ascension	\$ 4,159,000	\$ 4,716,000	\$ 3,115,000	\$ 3,101,000	\$ 3,060,000	\$ 1,971,840
Petroleum Merchant Wholesalers	Assumption	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	Avoyelles	\$ 1,893,722	\$ 1,656,603	\$ 1,382,723	\$ 1,368,666	\$ 1,613,639	\$ 2,070,781
Petroleum Merchant Wholesalers	Beauregard	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	Bienville	\$ 1,185,044	\$ 1,276,677	\$ 1,427,701	\$ 1,624,815	\$ 1,845,588	\$ 751,158
Petroleum Merchant Wholesalers	Bossier	\$ 3,457,000	\$ 2,975,000	\$ 3,145,000	\$ 3,365,000	\$ 4,300,000	\$ 5,037,000
Petroleum Merchant Wholesalers	Caddo	\$ 6,777,000	\$ 5,992,000	\$ 6,371,000	\$ 6,899,000	\$ 6,201,000	\$ 5,685,000
Petroleum Merchant Wholesalers	Calcasieu	\$ 12,005,000	\$ 9,133,000	\$ 9,494,000	\$ 9,911,000	\$ 12,132,000	\$ 5,383,000
Petroleum Merchant Wholesalers	Caldwell	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Cameron	\$ 2,827,000	\$ 2,849,000	\$ 3,536,000	\$ 4,065,000	\$ 2,860,137	\$ 3,704,000
Petroleum Merchant Wholesalers	Catahoula	\$ 442,589	\$ 387,171	\$ 323,162	\$ 319,877	\$ 377,130	\$ 483,971
Petroleum Merchant Wholesalers	Claiborne	\$ 1,694,665	\$ 1,482,470	\$ 1,303,000	\$ 1,414,000	\$ 1,674,000	\$ 1,855,000
Petroleum Merchant Wholesalers	Concordia	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	De Soto	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ -
Petroleum Merchant Wholesalers	East Baton Rouge	\$ 4,656,959	\$ 4,481,229	\$ 4,371,000	\$ 4,706,000	\$ 4,805,000	\$ 6,110,849
Petroleum Merchant Wholesalers	East Carroll	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	East Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 751,158
Petroleum Merchant Wholesalers	Evangeline	\$ 1,290,613	\$ 1,129,011	\$ 942,355	\$ 932,776	\$ 1,099,730	\$ 1,411,282
Petroleum Merchant Wholesalers	Franklin	\$ 636,000	\$ 594,000	\$ 513,000	\$ 471,000	\$ 343,607	\$ 440,951
Petroleum Merchant Wholesalers	Iberia	\$ 586,152	\$ 512,758	\$ 427,986	\$ 423,635	\$ 751,000	\$ 850,000
Petroleum Merchant Wholesalers	Iberville	\$ 2,370,088	\$ 1,276,677	\$ 1,427,701	\$ 1,624,815	\$ 1,845,588	\$ 1,502,316
Petroleum Merchant Wholesalers	Jefferson	\$ 47,696,000	\$ 47,599,000	\$ 44,927,000	\$ 45,814,000	\$ 54,576,000	\$ 58,506,000
Petroleum Merchant Wholesalers	Jefferson Davis	\$ 7,906,000	\$ 7,659,000	\$ 5,758,000	\$ 6,011,000	\$ 3,360,000	\$ 3,236,000
Petroleum Merchant Wholesalers	Lafayette	\$ 4,690,000	\$ 4,352,000	\$ 4,252,000	\$ 2,807,000	\$ 3,452,000	\$ 4,102,000
Petroleum Merchant Wholesalers	LaFourche	\$ 4,555,000	\$ 4,912,000	\$ 5,042,000	\$ 5,942,000	\$ 6,498,000	\$ 6,149,000
Petroleum Merchant Wholesalers	LaSalle	\$ 1,185,044	\$ 1,276,677	\$ 1,427,701	\$ 1,624,815	\$ 1,845,588	\$ 1,502,316
Petroleum Merchant Wholesalers	Lincoln	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ -
Petroleum Merchant Wholesalers	Livingston	\$ 1,185,044	\$ 2,553,354	\$ 1,427,701	\$ 1,624,815	\$ 1,845,588	\$ 751,158
Petroleum Merchant Wholesalers	Madison	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	Morehouse	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	Natchitoches	\$ 1,185,044	\$ 1,276,677	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Orleans	\$ 1,388,092	\$ 1,267,000	\$ 1,146,000	\$ 1,876,000	\$ 985,660	\$ 1,133,000
Petroleum Merchant Wholesalers	Ouachita	\$ 1,739,630	\$ 1,521,805	\$ 1,270,210	\$ 1,257,298	\$ 741,169	\$ 951,141
Petroleum Merchant Wholesalers	Plaquemines	\$ 2,813,000	\$ 2,881,000	\$ 2,798,000	\$ 3,342,000	\$ 3,508,000	\$ 3,067,000
Petroleum Merchant Wholesalers	Pointe Coupee	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Rapides	\$ 209,274	\$ 183,070	\$ 76,402	\$ 75,625	\$ 178,322	\$ 228,840
Petroleum Merchant Wholesalers	Richland	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	Sabine	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	St. Bernard	\$ 2,370,088	\$ 2,553,354	\$ 1,427,701	\$ 1,624,815	\$ 1,845,588	\$ 1,502,316
Petroleum Merchant Wholesalers	St. Charles	\$ 4,013,000	\$ 4,516,000	\$ 4,212,000	\$ 4,414,000	\$ 4,182,000	\$ 3,843,000
Petroleum Merchant Wholesalers	St. Helena	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	St. James	\$ 4,764,000	\$ 5,750,000	\$ 5,193,000	\$ 5,051,000	\$ 5,573,000	\$ 5,707,000
Petroleum Merchant Wholesalers	St. John the Baptist	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 1,624,815	\$ 922,794	\$ 751,158
Petroleum Merchant Wholesalers	St. Landry	\$ 2,136,000	\$ 2,573,000	\$ 2,297,000	\$ 2,351,000	\$ 2,481,000	\$ 2,735,000
Petroleum Merchant Wholesalers	St. Martin	\$ 1,185,044	\$ 1,276,677	\$ -	\$ -	\$ 1,845,588	\$ 2,253,474
Petroleum Merchant Wholesalers	St. Mary	\$ 2,342,000	\$ 2,182,000	\$ 3,642,000	\$ 3,534,000	\$ 3,161,000	\$ 2,949,000
Petroleum Merchant Wholesalers	St. Tammany	\$ 985,000	\$ 997,000	\$ 1,184,000	\$ 2,195,000	\$ 522,000	\$ 597,000
Petroleum Merchant Wholesalers	Tangipahoa	\$ 1,599,000	\$ 1,804,000	\$ 1,797,000	\$ 1,636,000	\$ 1,606,000	\$ 2,418,000
Petroleum Merchant Wholesalers	Tensas	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Terrebonne	\$ 1,594,000	\$ 1,834,000	\$ 2,700,000	\$ 2,693,000	\$ 2,656,000	\$ 2,808,000
Petroleum Merchant Wholesalers	Union	\$ 3,555,132	\$ 3,830,031	\$ 2,141,551	\$ 2,437,222	\$ 2,768,381	\$ 2,253,474
Petroleum Merchant Wholesalers	Vermilion	\$ 9,975,000	\$ 10,556,000	\$ 8,028,000	\$ 8,193,000	\$ 8,274,000	\$ 9,250,000
Petroleum Merchant Wholesalers	Vernon	\$ 940,000	\$ 912,000	\$ 861,000	\$ 663,000	\$ 568,000	\$ 718,000
Petroleum Merchant Wholesalers	Washington	\$ 739,288	\$ 646,719	\$ 539,800	\$ 534,312	\$ 676,000	\$ 1,212,615
Petroleum Merchant Wholesalers	Webster	\$ 2,605,000	\$ 2,621,000	\$ 4,226,000	\$ 3,576,000	\$ 4,086,000	\$ 4,696,000
Petroleum Merchant Wholesalers	West Baton Rouge	\$ 2,370,088	\$ 2,553,354	\$ 1,427,701	\$ 1,624,815	\$ 2,768,381	\$ 1,502,316
Petroleum Merchant Wholesalers	West Carroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	West Feliciana	\$ 1,962,000	\$ 1,610,000	\$ 1,430,000	\$ 1,364,000	\$ 1,321,000	\$ 1,148,234
Petroleum Merchant Wholesalers	Winn	\$ 1,185,044	\$ 1,276,677	\$ 713,850	\$ 812,407	\$ 922,794	\$ 1,502,316
Petroleum Merchant Wholesalers	Unknown	\$ 429,657	\$ 375,858	\$ 158,000	\$ 377,000	\$ 361,000	\$ 178,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-38: Petroleum Merchant Wholesales Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Petroleum Merchant Wholesalers	Acadia	\$ 271,414	\$ 305,488	\$ 274,528	\$ 120,000	\$ 130,000	\$ 459,283
Petroleum Merchant Wholesalers	Allen	\$ 697,180	\$ 797,662	\$ -	\$ -	\$ -	\$ 698,748
Petroleum Merchant Wholesalers	Ascension	\$ 926,214	\$ 1,042,492	\$ 1,873,681	\$ 1,759,101	\$ 1,830,248	\$ 2,089,767
Petroleum Merchant Wholesalers	Assumption	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Avoyelles	\$ 2,701,000	\$ 2,379,000	\$ 2,455,000	\$ 2,474,000	\$ 2,741,000	\$ 2,846,000
Petroleum Merchant Wholesalers	Beauregard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Bienville	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Bossier	\$ 5,770,000	\$ 3,044,000	\$ 3,361,000	\$ 3,867,000	\$ 1,403,000	\$ 1,511,000
Petroleum Merchant Wholesalers	Caddo	\$ 5,855,000	\$ 6,822,000	\$ 7,086,000	\$ 8,249,000	\$ 13,426,000	\$ 10,232,000
Petroleum Merchant Wholesalers	Calcasieu	\$ 5,730,000	\$ 7,724,000	\$ 10,248,000	\$ 10,112,000	\$ 11,781,000	\$ 17,007,000
Petroleum Merchant Wholesalers	Caldwell	\$ -	\$ -	\$ -	\$ -	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Cameron	\$ 4,072,000	\$ 3,468,000	\$ 1,160,000	\$ 1,403,321	\$ 973,386	\$ 1,085,000
Petroleum Merchant Wholesalers	Catahoula	\$ 645,000	\$ 612,000	\$ 653,000	\$ 653,000	\$ 677,000	\$ 512,915
Petroleum Merchant Wholesalers	Claiborne	\$ 1,120,000	\$ 1,469,584	\$ 1,320,648	\$ 1,239,887	\$ 1,290,035	\$ 1,472,955
Petroleum Merchant Wholesalers	Concordia	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	De Soto	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	East Baton Rouge	\$ 5,262,389	\$ 6,424,000	\$ 6,701,000	\$ 6,953,000	\$ 6,264,000	\$ 7,078,000
Petroleum Merchant Wholesalers	East Carroll	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	East Feliciana	\$ 1,394,361	\$ 1,595,324	\$ 1,523,797	\$ 2,344,540	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Evangeline	\$ 2,362,000	\$ 1,492,262	\$ 1,341,028	\$ 1,259,021	\$ 1,964,914	\$ 1,495,685
Petroleum Merchant Wholesalers	Franklin	\$ 414,248	\$ 466,253	\$ 419,000	\$ 393,377	\$ 409,288	\$ 467,323
Petroleum Merchant Wholesalers	Iberia	\$ 887,000	\$ 1,546,000	\$ 766,000	\$ 641,000	\$ 685,000	\$ 1,115,000
Petroleum Merchant Wholesalers	Iberville	\$ 1,394,361	\$ 797,662	\$ 1,523,797	\$ 1,563,027	\$ 1,691,680	\$ 1,397,496
Petroleum Merchant Wholesalers	Jefferson	\$ 64,668,000	\$ 63,258,000	\$ 48,740,000	\$ 41,866,000	\$ 39,269,000	\$ 38,479,000
Petroleum Merchant Wholesalers	Jefferson Davis	\$ 3,112,000	\$ 1,576,000	\$ 1,469,000	\$ 1,537,000	\$ 1,441,000	\$ 2,639,027
Petroleum Merchant Wholesalers	Lafayette	\$ 5,761,000	\$ 5,813,000	\$ 3,017,000	\$ 3,726,000	\$ 3,180,000	\$ 4,929,000
Petroleum Merchant Wholesalers	Lafourche	\$ 6,710,000	\$ 16,893,000	\$ 16,028,000	\$ 16,690,000	\$ 17,812,000	\$ 17,801,000
Petroleum Merchant Wholesalers	LaSalle	\$ 1,394,361	\$ 1,595,324	\$ 1,523,797	\$ 1,563,027	\$ 1,691,680	\$ 1,397,496
Petroleum Merchant Wholesalers	Lincoln	\$ -	\$ -	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Livingston	\$ 1,394,361	\$ 1,595,324	\$ 1,523,797	\$ 1,563,027	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Madison	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Morehouse	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Natchitoches	\$ 1,394,361	\$ 1,595,324	\$ 1,523,797	\$ 1,563,027	\$ 1,691,680	\$ 1,397,496
Petroleum Merchant Wholesalers	Orleans	\$ 929,000	\$ 1,604,971	\$ 1,442,315	\$ 1,579,799	\$ 1,643,695	\$ 1,608,653
Petroleum Merchant Wholesalers	Ouachita	\$ 2,680,625	\$ 2,622,000	\$ 2,625,000	\$ 2,574,000	\$ 2,802,000	\$ 2,908,000
Petroleum Merchant Wholesalers	Plaquemines	\$ 5,282,000	\$ 5,068,000	\$ 3,695,000	\$ 3,090,000	\$ 3,880,000	\$ 4,795,000
Petroleum Merchant Wholesalers	Pointe Coupee	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Rapides	\$ 383,000	\$ 241,971	\$ 217,449	\$ 102,076	\$ 106,204	\$ 121,263
Petroleum Merchant Wholesalers	Richland	\$ 697,180	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Sabine	\$ 1,394,361	\$ 1,595,324	\$ 1,523,797	\$ 1,563,027	\$ 1,691,680	\$ 1,397,496
Petroleum Merchant Wholesalers	St. Bernard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 698,748
Petroleum Merchant Wholesalers	St. Charles	\$ 3,912,000	\$ 2,554,000	\$ 2,398,000	\$ 4,175,000	\$ 2,914,000	\$ 2,369,000
Petroleum Merchant Wholesalers	St. Helena	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 698,748
Petroleum Merchant Wholesalers	St. James	\$ 5,759,000	\$ 6,284,000	\$ 7,130,000	\$ 7,336,000	\$ 7,270,000	\$ 7,724,000
Petroleum Merchant Wholesalers	St. John the Baptist	\$ 697,180	\$ 797,662	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	St. Landry	\$ 3,703,000	\$ 4,725,000	\$ 4,170,000	\$ 3,217,000	\$ 2,832,000	\$ 2,869,000
Petroleum Merchant Wholesalers	St. Martin	\$ 1,394,361	\$ 1,595,324	\$ 1,523,797	\$ 1,563,027	\$ 1,691,680	\$ 698,748
Petroleum Merchant Wholesalers	St. Mary	\$ 3,154,000	\$ 3,199,000	\$ 1,923,000	\$ 1,932,000	\$ 1,651,000	\$ 1,592,000
Petroleum Merchant Wholesalers	St. Tammany	\$ 849,000	\$ 1,106,668	\$ 663,008	\$ 1,244,927	\$ 1,696,000	\$ 1,777,000
Petroleum Merchant Wholesalers	Tangipahoa	\$ 1,885,000	\$ 1,898,000	\$ 1,527,000	\$ 1,293,000	\$ 785,000	\$ 544,000
Petroleum Merchant Wholesalers	Tensas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	Terrebonne	\$ 2,912,000	\$ 3,022,000	\$ 1,613,000	\$ 1,285,000	\$ 2,449,000	\$ 2,774,000
Petroleum Merchant Wholesalers	Union	\$ 2,091,541	\$ 2,392,985	\$ 2,285,695	\$ 2,344,540	\$ 2,537,520	\$ 2,096,245
Petroleum Merchant Wholesalers	Vermilion	\$ 8,413,000	\$ 7,102,000	\$ 3,553,000	\$ 2,904,000	\$ 3,210,000	\$ 3,656,000
Petroleum Merchant Wholesalers	Vernon	\$ 452,000	\$ 557,000	\$ 574,000	\$ 644,279	\$ 223,446	\$ 255,129
Petroleum Merchant Wholesalers	Washington	\$ 1,139,181	\$ 1,282,195	\$ 1,152,251	\$ 981,000	\$ 1,140,000	\$ 1,262,000
Petroleum Merchant Wholesalers	Webster	\$ 5,391,000	\$ 5,973,000	\$ 5,600,000	\$ 5,590,000	\$ 5,443,000	\$ 5,505,000
Petroleum Merchant Wholesalers	West Baton Rouge	\$ 697,180	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	West Carroll	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Petroleum Merchant Wholesalers	West Feliciana	\$ 1,078,699	\$ 1,214,120	\$ 1,091,075	\$ 1,024,353	\$ 1,065,783	\$ 1,216,905
Petroleum Merchant Wholesalers	Winn	\$ 1,394,361	\$ 797,662	\$ 761,898	\$ 781,513	\$ 845,840	\$ 698,748
Petroleum Merchant Wholesalers	Unknown	\$ 229,000	\$ 496,788	\$ 669,661	\$ 1,727,000	\$ 1,688,000	\$ 746,892

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-39: Pipeline Transportation Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Pipeline Transportation	Acadia	\$ 16,739,000	\$ 10,325,000	\$ 10,503,000	\$ 10,691,000	\$ 11,546,000	\$ 12,656,000
Pipeline Transportation	Allen	\$ 3,121,983	\$ 3,209,287	\$ 3,915,691	\$ 6,725,000	\$ 5,426,166	\$ 4,929,180
Pipeline Transportation	Ascension	\$ 3,207,000	\$ 4,072,000	\$ 7,402,000	\$ 9,619,000	\$ 10,862,000	\$ 9,928,000
Pipeline Transportation	Assumption	\$ 3,200,737	\$ 3,194,201	\$ 2,904,526	\$ 2,837,809	\$ 3,059,598	\$ 2,812,493
Pipeline Transportation	Avoyelles	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Beauregard	\$ 2,110,803	\$ 2,169,830	\$ 2,647,436	\$ 2,368,000	\$ 2,438,000	\$ 3,332,666
Pipeline Transportation	Bienville	\$ 6,432,679	\$ 6,612,564	\$ 6,723,393	\$ 9,362,138	\$ 18,126,000	\$ 25,807,000
Pipeline Transportation	Bossier	\$ 1,805,000	\$ 1,974,000	\$ 1,891,000	\$ 1,833,000	\$ 1,866,000	\$ 3,495,000
Pipeline Transportation	Caddo	\$ 10,254,902	\$ 14,107,000	\$ 20,738,000	\$ 29,153,000	\$ 32,394,000	\$ 7,221,000
Pipeline Transportation	Calcasieu	\$ 12,278,000	\$ 12,203,000	\$ 11,947,000	\$ 12,869,000	\$ 13,269,000	\$ 32,176,000
Pipeline Transportation	Caldwell	\$ 4,801,105	\$ 4,791,302	\$ 4,356,790	\$ 4,256,713	\$ 4,589,397	\$ 4,218,739
Pipeline Transportation	Cameron	\$ 3,144,000	\$ 3,520,000	\$ 3,452,000	\$ 3,563,000	\$ 3,048,000	\$ 2,405,000
Pipeline Transportation	Claiborne	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 2,812,493
Pipeline Transportation	De Soto	\$ 2,405,343	\$ 1,648,405	\$ 3,058,000	\$ 3,791,000	\$ 2,787,073	\$ 2,531,804
Pipeline Transportation	East Baton Rouge	\$ 5,771,000	\$ 7,939,000	\$ 14,693,000	\$ 13,887,000	\$ 6,882,000	\$ 6,462,000
Pipeline Transportation	East Carroll	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ -
Pipeline Transportation	East Feliciana	\$ 1,432,266	\$ 2,944,637	\$ 6,457,000	\$ 6,852,000	\$ 6,787,000	\$ 7,225,000
Pipeline Transportation	Evangeline	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,406,246
Pipeline Transportation	Franklin	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ -
Pipeline Transportation	Grant	\$ -	\$ -	\$ -	\$ 1,418,904	\$ 1,529,799	\$ 2,812,493
Pipeline Transportation	Iberia	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Iberville	\$ 8,341,000	\$ 2,743,000	\$ 3,400,000	\$ 3,737,000	\$ 5,604,000	\$ 3,571,948
Pipeline Transportation	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,406,246
Pipeline Transportation	Jefferson	\$ 4,801,105	\$ 4,791,302	\$ 5,809,053	\$ 5,675,617	\$ 6,119,195	\$ 5,624,986
Pipeline Transportation	Jefferson Davis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,406,246
Pipeline Transportation	Lafayette	\$ 10,579,000	\$ 10,972,000	\$ 11,733,000	\$ 11,889,000	\$ 13,377,000	\$ 13,529,109
Pipeline Transportation	Lafourche	\$ 9,370,000	\$ 9,741,000	\$ 6,660,000	\$ 6,796,000	\$ 6,794,000	\$ 7,221,000
Pipeline Transportation	LaSalle	\$ 3,200,737	\$ 3,194,201	\$ 2,904,526	\$ 2,837,809	\$ 3,059,598	\$ 2,812,493
Pipeline Transportation	Lincoln	\$ 1,440,929	\$ 1,481,224	\$ 602,420	\$ 524,283	\$ 556,535	\$ 1,516,685
Pipeline Transportation	Livingston	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Madison	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Morehouse	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Natchitoches	\$ 3,293,000	\$ 3,199,000	\$ 3,348,000	\$ 3,767,000	\$ 4,169,000	\$ 2,375,000
Pipeline Transportation	Orleans	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Ouachita	\$ 4,920,000	\$ 5,980,000	\$ 5,846,000	\$ 6,265,000	\$ 5,545,000	\$ 3,337,000
Pipeline Transportation	Plaquemines	\$ 3,441,935	\$ 3,538,186	\$ 4,316,985	\$ 4,138,000	\$ 3,988,172	\$ 5,434,341
Pipeline Transportation	Pointe Coupee	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Rapides	\$ 3,229,000	\$ 2,892,000	\$ 3,004,000	\$ 3,337,000	\$ 4,090,000	\$ 3,755,000
Pipeline Transportation	Red River	\$ -	\$ -	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Richland	\$ 873,000	\$ 1,097,658	\$ 1,339,266	\$ 1,165,557	\$ 1,515,000	\$ 1,866,000
Pipeline Transportation	Sabine	\$ -	\$ -	\$ -	\$ 1,418,904	\$ 3,059,598	\$ 2,812,493
Pipeline Transportation	St. Bernard	\$ 1,603,876	\$ 1,648,727	\$ 2,011,632	\$ 2,703,000	\$ 2,346,000	\$ 1,751,000
Pipeline Transportation	St. Charles	\$ 1,100,744	\$ 1,131,525	\$ 690,294	\$ 600,759	\$ 637,716	\$ 868,961
Pipeline Transportation	St. Helena	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 2,812,493
Pipeline Transportation	St. James	\$ 710,629	\$ 1,461,001	\$ 1,782,586	\$ 1,551,376	\$ 1,646,811	\$ 2,243,969
Pipeline Transportation	St. John the Baptist	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipeline Transportation	St. Landry	\$ 7,189,000	\$ 7,523,000	\$ 7,906,000	\$ 5,685,000	\$ 6,814,000	\$ 8,208,000
Pipeline Transportation	St. Martin	\$ -	\$ -	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	St. Mary	\$ 8,144,000	\$ 7,643,000	\$ 7,612,000	\$ 7,758,000	\$ 8,144,000	\$ 11,646,000
Pipeline Transportation	St. Tammany	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 3,059,598	\$ 2,812,493
Pipeline Transportation	Tangipahoa	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipeline Transportation	Tensas	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Terrebonne	\$ 15,514,000	\$ 16,241,000	\$ 20,983,000	\$ 22,043,000	\$ 22,098,000	\$ 18,584,000
Pipeline Transportation	Union	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipeline Transportation	Vermilion	\$ 1,112,970	\$ 1,144,094	\$ 1,395,923	\$ 1,214,865	\$ 1,289,599	\$ 3,514,453
Pipeline Transportation	Washington	\$ 1,511,000	\$ 1,609,000	\$ 1,669,000	\$ 1,908,000	\$ 1,515,000	\$ 950,383
Pipeline Transportation	Webster	\$ 769,625	\$ 791,147	\$ 965,288	\$ 840,086	\$ 891,765	\$ 3,678,000
Pipeline Transportation	West Baton Rouge	\$ 3,200,737	\$ 3,194,201	\$ 2,904,526	\$ 2,837,809	\$ 3,059,598	\$ 2,812,493
Pipeline Transportation	West Carroll	\$ 1,600,368	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 2,812,493
Pipeline Transportation	West Feliciana	\$ 3,200,737	\$ 1,597,101	\$ 1,452,263	\$ 1,418,904	\$ 1,529,799	\$ 1,406,246
Pipeline Transportation	Unknown	\$ 2,832,000	\$ 5,316,000	\$ 2,390,189	\$ 2,740,000	\$ 1,822,000	\$ 2,005,890

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-40: Pipeline Transportation Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Pipeline Transportation	Acadia	\$ 12,475,000	\$ 10,246,000	\$ 5,665,000	\$ 5,803,000	\$ 8,280,133	\$ 9,102,700
Pipeline Transportation	Allen	\$ 5,110,537	\$ 7,025,263	\$ 5,530,511	\$ 5,126,657	\$ 3,770,889	\$ 4,145,498
Pipeline Transportation	Ascension	\$ 8,014,000	\$ 7,488,000	\$ 4,208,890	\$ 4,204,000	\$ 5,017,000	\$ 5,250,000
Pipeline Transportation	Assumption	\$ 3,375,048	\$ 4,083,553	\$ 2,990,831	\$ 3,333,410	\$ 2,288,833	\$ 2,737,035
Pipeline Transportation	Avoyelles	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Beauregard	\$ 3,186,000	\$ 3,425,000	\$ 3,116,027	\$ 4,327,000	\$ 3,166,000	\$ 4,582,000
Pipeline Transportation	Bienville	\$ 24,724,000	\$ 14,475,178	\$ 6,330,735	\$ 4,384,000	\$ 4,589,000	\$ 5,509,000
Pipeline Transportation	Bossier	\$ 2,262,000	\$ 5,378,000	\$ 4,842,000	\$ 5,130,000	\$ 10,125,000	\$ 10,752,000
Pipeline Transportation	Caddo	\$ 15,581,000	\$ 21,183,000	\$ 19,161,000	\$ 11,226,491	\$ 14,450,789	\$ 15,886,362
Pipeline Transportation	Calcasieu	\$ 32,143,000	\$ 31,555,000	\$ 36,086,000	\$ 34,883,000	\$ 29,834,000	\$ 33,567,000
Pipeline Transportation	Caldwell	\$ 5,062,571	\$ 5,444,738	\$ 3,987,775	\$ 4,444,547	\$ 4,577,666	\$ 2,737,035
Pipeline Transportation	Cameron	\$ 2,615,000	\$ 5,069,000	\$ 6,067,000	\$ 4,810,000	\$ 5,590,000	\$ 5,744,000
Pipeline Transportation	Claiborne	\$ 3,375,048	\$ 2,722,369	\$ 1,993,887	\$ 2,222,274	\$ 2,288,833	\$ 1,824,690
Pipeline Transportation	De Soto	\$ 2,624,955	\$ 3,872,000	\$ 7,399,000	\$ 6,945,000	\$ 7,932,000	\$ 7,302,000
Pipeline Transportation	East Baton Rouge	\$ 8,771,000	\$ 17,283,000	\$ 20,000,000	\$ 22,012,000	\$ 21,665,000	\$ 23,760,000
Pipeline Transportation	East Carroll	\$ -	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	East Feliciana	\$ 7,238,000	\$ 7,956,000	\$ 8,218,000	\$ 7,898,000	\$ 8,450,000	\$ 9,021,000
Pipeline Transportation	Evangeline	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Franklin	\$ -	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 2,737,035
Pipeline Transportation	Grant	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 2,222,274	\$ 1,144,417	\$ 1,824,690
Pipeline Transportation	Iberia	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 2,222,274	\$ 2,288,833	\$ 912,345
Pipeline Transportation	Iberville	\$ 3,703,368	\$ 3,393,920	\$ 2,671,803	\$ 3,302,267	\$ 3,643,451	\$ 4,005,399
Pipeline Transportation	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pipeline Transportation	Jefferson	\$ 6,750,095	\$ 6,805,922	\$ 3,987,775	\$ 3,333,410	\$ 3,433,250	\$ 2,737,035
Pipeline Transportation	Jefferson Davis	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 2,737,035
Pipeline Transportation	Lafayette	\$ 13,247,000	\$ 17,142,000	\$ 13,162,000	\$ 13,297,000	\$ 13,238,000	\$ 12,876,000
Pipeline Transportation	Lafourche	\$ 7,784,000	\$ 8,039,000	\$ 8,312,000	\$ 7,039,000	\$ 7,083,000	\$ 7,233,000
Pipeline Transportation	LaSalle	\$ 3,375,048	\$ 2,722,369	\$ 1,993,887	\$ 2,222,274	\$ 2,288,833	\$ 1,824,690
Pipeline Transportation	Lincoln	\$ 786,244	\$ 720,547	\$ 567,237	\$ 1,577,448	\$ 1,740,427	\$ 2,759,000
Pipeline Transportation	Livingston	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 2,288,833	\$ 1,824,690
Pipeline Transportation	Madison	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 2,288,833	\$ 1,824,690
Pipeline Transportation	Morehouse	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Natchitoches	\$ 2,732,000	\$ 4,131,000	\$ 3,908,000	\$ 3,369,000	\$ 3,489,000	\$ 3,913,000
Pipeline Transportation	Orleans	\$ 1,687,524	\$ 1,361,184	\$ -	\$ 1,111,137	\$ 1,144,417	\$ 1,824,690
Pipeline Transportation	Ouachita	\$ 2,911,000	\$ 5,034,178	\$ 3,963,066	\$ 3,265,486	\$ 3,602,870	\$ 4,455,885
Pipeline Transportation	Plaquemines	\$ 3,756,189	\$ 5,163,491	\$ 4,064,865	\$ 3,768,037	\$ 5,845,000	\$ 6,493,000
Pipeline Transportation	Pointe Coupee	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Rapides	\$ 4,327,000	\$ 4,613,000	\$ 6,349,000	\$ 6,593,000	\$ 6,976,000	\$ 5,607,000
Pipeline Transportation	Red River	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Richland	\$ 1,837,000	\$ 2,299,000	\$ 2,226,000	\$ 2,516,000	\$ 2,632,000	\$ 2,637,000
Pipeline Transportation	Sabine	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	St. Bernard	\$ 1,750,312	\$ 2,413,000	\$ 1,894,149	\$ 1,170,555	\$ 1,937,242	\$ 1,419,795
Pipeline Transportation	St. Charles	\$ 1,801,865	\$ 2,783,000	\$ 3,218,000	\$ 3,629,000	\$ 3,865,000	\$ 3,893,000
Pipeline Transportation	St. Helena	\$ 3,375,048	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	St. James	\$ 2,326,530	\$ 2,132,129	\$ 3,862,000	\$ 4,332,000	\$ 5,012,000	\$ 5,163,000
Pipeline Transportation	St. John the Baptist	\$ -	\$ -	\$ 3,987,775	\$ 4,444,547	\$ 4,577,666	\$ 3,649,380
Pipeline Transportation	St. Landry	\$ 7,759,000	\$ 7,403,000	\$ 7,584,000	\$ 7,379,000	\$ 7,612,000	\$ 8,035,000
Pipeline Transportation	St. Martin	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	St. Mary	\$ 12,056,000	\$ 14,090,000	\$ 9,246,000	\$ 3,618,000	\$ 2,840,000	\$ 4,491,000
Pipeline Transportation	St. Tammany	\$ 3,375,048	\$ 1,361,184	\$ 1,993,887	\$ 2,222,274	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Tangipahoa	\$ -	\$ 2,722,369	\$ 1,993,887	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Tensas	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Terrebonne	\$ 19,457,000	\$ 17,430,000	\$ 11,814,000	\$ 11,544,000	\$ 10,071,000	\$ 11,001,000
Pipeline Transportation	Union	\$ -	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Vermilion	\$ 4,554,698	\$ 5,449,000	\$ 4,151,000	\$ 3,212,000	\$ 2,016,453	\$ 3,970,000
Pipeline Transportation	Washington	\$ 492,675	\$ 903,016	\$ 710,883	\$ 658,972	\$ 1,090,584	\$ 1,198,924
Pipeline Transportation	Webster	\$ 2,519,679	\$ 2,309,138	\$ 1,817,827	\$ 5,897,795	\$ 6,269,000	\$ 6,131,638
Pipeline Transportation	West Baton Rouge	\$ 3,375,048	\$ 4,083,553	\$ 3,987,775	\$ 3,333,410	\$ 4,577,666	\$ 3,649,380
Pipeline Transportation	West Carroll	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	West Feliciana	\$ 1,687,524	\$ 1,361,184	\$ 996,944	\$ 1,111,137	\$ 1,144,417	\$ 912,345
Pipeline Transportation	Unknown	\$ 2,599,615	\$ 2,382,395	\$ 2,250,597	\$ 1,804,000	\$ 1,450,000	\$ 2,952,210

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-41: Gasoline Stations Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Gasoline Stations	Acadia	\$ 5,819,000	\$ 6,457,000	\$ 5,995,000	\$ 5,942,000	\$ 6,150,000	\$ 6,414,000
Gasoline Stations	Allen	\$ 1,523,000	\$ 503,000	\$ 448,000	\$ 324,000	\$ 343,000	\$ 565,000
Gasoline Stations	Ascension	\$ 7,629,000	\$ 7,082,000	\$ 7,751,000	\$ 7,972,000	\$ 7,821,000	\$ 8,271,000
Gasoline Stations	Assumption	\$ 2,206,591	\$ 2,111,000	\$ 2,077,000	\$ 1,846,000	\$ 2,085,000	\$ 2,514,000
Gasoline Stations	Avoyelles	\$ 2,408,000	\$ 2,912,000	\$ 2,949,000	\$ 3,035,000	\$ 3,486,000	\$ 3,970,000
Gasoline Stations	Beauregard	\$ 1,019,000	\$ 1,128,000	\$ 1,121,000	\$ 1,128,000	\$ 1,152,000	\$ 1,054,000
Gasoline Stations	Bienville	\$ 638,000	\$ 962,000	\$ 1,573,000	\$ 1,561,000	\$ 1,356,000	\$ 1,372,000
Gasoline Stations	Bossier	\$ 5,153,000	\$ 5,131,000	\$ 5,153,000	\$ 5,628,000	\$ 6,445,000	\$ 6,147,000
Gasoline Stations	Caddo	\$ 20,712,000	\$ 22,156,000	\$ 23,808,000	\$ 22,648,000	\$ 22,549,000	\$ 22,707,000
Gasoline Stations	Calcasieu	\$ 14,343,000	\$ 15,402,000	\$ 15,714,000	\$ 15,321,000	\$ 15,383,000	\$ 15,873,000
Gasoline Stations	Caldwell	\$ 456,000	\$ 467,000	\$ 507,000	\$ 672,000	\$ 660,000	\$ 818,000
Gasoline Stations	Cameron	\$ 269,339	\$ 460,984	\$ 458,624	\$ 446,400	\$ 701,000	\$ 936,000
Gasoline Stations	Catahoula	\$ 881,000	\$ 1,006,000	\$ 1,284,000	\$ 1,203,000	\$ 1,222,000	\$ 1,394,000
Gasoline Stations	Claiborne	\$ 1,388,000	\$ 1,413,000	\$ 1,406,000	\$ 1,355,000	\$ 1,327,000	\$ 1,285,000
Gasoline Stations	Concordia	\$ 3,059,000	\$ 3,503,000	\$ 3,778,000	\$ 3,049,000	\$ 3,068,000	\$ 3,455,000
Gasoline Stations	De Soto	\$ 3,559,000	\$ 4,382,000	\$ 4,208,000	\$ 4,407,000	\$ 3,621,000	\$ 3,549,000
Gasoline Stations	East Baton Rouge	\$ 24,044,000	\$ 25,635,000	\$ 27,852,000	\$ 29,424,000	\$ 28,581,000	\$ 27,991,000
Gasoline Stations	East Carroll	\$ 517,000	\$ 350,000	\$ 866,000	\$ 851,000	\$ 883,000	\$ 982,000
Gasoline Stations	East Feliciana	\$ 2,891,000	\$ 2,950,000	\$ 2,923,000	\$ 2,847,000	\$ 2,780,000	\$ 1,969,000
Gasoline Stations	Evangeline	\$ 1,346,000	\$ 1,152,000	\$ 1,154,000	\$ 1,169,000	\$ 1,023,000	\$ 1,151,000
Gasoline Stations	Franklin	\$ 1,109,000	\$ 1,085,000	\$ 1,073,000	\$ 1,212,000	\$ 1,355,000	\$ 1,547,000
Gasoline Stations	Grant	\$ 937,000	\$ 1,126,000	\$ 1,567,000	\$ 1,465,000	\$ 1,454,000	\$ 1,595,000
Gasoline Stations	Iberia	\$ 6,030,000	\$ 5,845,000	\$ 6,310,000	\$ 6,352,000	\$ 6,671,000	\$ 6,794,000
Gasoline Stations	Iberville	\$ 2,874,000	\$ 3,062,000	\$ 3,170,000	\$ 3,308,000	\$ 3,160,000	\$ 3,240,000
Gasoline Stations	Jackson	\$ 1,116,000	\$ 1,256,000	\$ 1,278,000	\$ 1,528,000	\$ 1,250,000	\$ 1,497,000
Gasoline Stations	Jefferson	\$ 19,866,000	\$ 21,190,000	\$ 21,315,000	\$ 22,063,000	\$ 23,287,000	\$ 24,575,000
Gasoline Stations	Jefferson Davis	\$ 2,579,000	\$ 2,888,000	\$ 3,125,000	\$ 3,356,000	\$ 3,534,000	\$ 3,437,000
Gasoline Stations	Lafayette	\$ 29,558,000	\$ 30,190,000	\$ 30,964,000	\$ 32,273,000	\$ 41,580,000	\$ 35,090,000
Gasoline Stations	Lafourche	\$ 9,734,000	\$ 10,862,000	\$ 11,070,000	\$ 11,699,000	\$ 13,107,000	\$ 13,716,000
Gasoline Stations	LaSalle	\$ 552,000	\$ 832,000	\$ 790,000	\$ 779,000	\$ 919,000	\$ 1,030,000
Gasoline Stations	Lincoln	\$ 3,001,000	\$ 3,077,000	\$ 3,402,000	\$ 3,352,000	\$ 3,015,000	\$ 3,023,000
Gasoline Stations	Livingston	\$ 7,071,000	\$ 7,250,000	\$ 6,860,000	\$ 6,816,000	\$ 7,594,000	\$ 7,904,000
Gasoline Stations	Madison	\$ 2,860,000	\$ 2,869,000	\$ 2,945,000	\$ 3,274,000	\$ 3,379,000	\$ 3,413,000
Gasoline Stations	Morehouse	\$ 1,347,000	\$ 1,273,000	\$ 1,264,000	\$ 1,431,000	\$ 1,443,000	\$ 1,412,000
Gasoline Stations	Natchitoches	\$ 1,436,000	\$ 1,478,000	\$ 5,581,000	\$ 7,521,000	\$ 8,179,000	\$ 7,046,000
Gasoline Stations	Orleans	\$ 9,371,000	\$ 9,910,000	\$ 10,315,000	\$ 10,920,000	\$ 10,618,000	\$ 11,796,000
Gasoline Stations	Ouachita	\$ 8,543,000	\$ 9,193,000	\$ 9,572,000	\$ 9,887,000	\$ 10,741,000	\$ 10,818,000
Gasoline Stations	Plaquemines	\$ 1,653,000	\$ 2,017,000	\$ 1,966,000	\$ 2,290,000	\$ 2,170,000	\$ 2,137,000
Gasoline Stations	Pointe Coupee	\$ 2,916,000	\$ 3,355,000	\$ 3,672,000	\$ 3,693,000	\$ 3,721,000	\$ 4,295,000
Gasoline Stations	Rapides	\$ 7,900,000	\$ 8,186,000	\$ 8,355,000	\$ 9,020,000	\$ 8,573,000	\$ 9,480,000
Gasoline Stations	Red River	\$ 383,000	\$ 398,000	\$ 396,000	\$ 400,600	\$ 497,241	\$ 295,000
Gasoline Stations	Richland	\$ 1,761,000	\$ 1,886,000	\$ 2,140,000	\$ 2,360,000	\$ 2,883,000	\$ 2,852,000
Gasoline Stations	Sabine	\$ 3,175,000	\$ 3,380,000	\$ 1,859,000	\$ 1,355,000	\$ 1,195,000	\$ 1,887,000
Gasoline Stations	St. Bernard	\$ 1,813,000	\$ 1,773,000	\$ 1,720,000	\$ 1,759,000	\$ 1,746,000	\$ 1,722,000
Gasoline Stations	St. Charles	\$ 2,768,000	\$ 3,683,000	\$ 4,476,000	\$ 3,487,000	\$ 3,304,000	\$ 3,522,000
Gasoline Stations	St. Helena	\$ 511,053	\$ 656,016	\$ 799,000	\$ 645,000	\$ 508,000	\$ 465,000
Gasoline Stations	St. James	\$ 3,763,000	\$ 4,250,000	\$ 4,218,000	\$ 3,536,000	\$ 3,414,000	\$ 3,511,000
Gasoline Stations	St. John the Baptist	\$ 3,540,000	\$ 3,974,000	\$ 3,303,000	\$ 3,312,000	\$ 3,579,000	\$ 3,606,000
Gasoline Stations	St. Landry	\$ 6,441,000	\$ 7,216,000	\$ 7,842,000	\$ 7,997,000	\$ 8,254,000	\$ 8,416,000
Gasoline Stations	St. Martin	\$ 8,307,000	\$ 8,574,000	\$ 8,824,000	\$ 8,209,000	\$ 6,952,000	\$ 5,914,000
Gasoline Stations	St. Mary	\$ 5,363,000	\$ 6,453,000	\$ 6,289,000	\$ 6,306,000	\$ 6,311,000	\$ 6,609,000
Gasoline Stations	St. Tammany	\$ 14,838,000	\$ 14,736,000	\$ 13,598,000	\$ 13,427,000	\$ 14,997,000	\$ 15,364,000
Gasoline Stations	Tangipahoa	\$ 10,946,000	\$ 10,860,000	\$ 10,730,000	\$ 11,112,000	\$ 11,185,000	\$ 11,541,000
Gasoline Stations	Tensas	\$ 167,000	\$ 207,000	\$ 244,000	\$ 433,000	\$ 404,000	\$ 366,000
Gasoline Stations	Terrebonne	\$ 9,781,000	\$ 10,673,000	\$ 10,530,000	\$ 10,613,000	\$ 9,863,000	\$ 10,481,000
Gasoline Stations	Union	\$ 1,089,000	\$ 1,110,000	\$ 1,067,000	\$ 879,000	\$ 867,000	\$ 847,000
Gasoline Stations	Vermilion	\$ 4,514,000	\$ 4,086,000	\$ 3,896,000	\$ 3,894,000	\$ 4,059,000	\$ 4,146,000
Gasoline Stations	Vernon	\$ 2,233,000	\$ 2,240,000	\$ 2,584,000	\$ 2,989,000	\$ 2,967,000	\$ 3,168,000
Gasoline Stations	Washington	\$ 2,783,000	\$ 2,890,000	\$ 2,668,000	\$ 2,306,000	\$ 2,307,000	\$ 2,482,000
Gasoline Stations	Webster	\$ 5,860,000	\$ 5,243,000	\$ 5,172,000	\$ 5,027,000	\$ 5,032,000	\$ 4,866,000
Gasoline Stations	West Baton Rouge	\$ 2,880,000	\$ 3,118,000	\$ 3,075,000	\$ 3,231,000	\$ 3,842,000	\$ 4,030,000
Gasoline Stations	West Carroll	\$ 400,000	\$ 546,000	\$ 570,000	\$ 570,000	\$ 630,000	\$ 528,000
Gasoline Stations	West Feliciana	\$ 574,000	\$ 896,000	\$ 805,000	\$ 753,000	\$ 968,000	\$ 1,107,000
Gasoline Stations	Winn	\$ 894,000	\$ 907,000	\$ 773,000	\$ 579,000	\$ 580,000	\$ 563,000
Gasoline Stations	Unknown	\$ 1,567,016	\$ 1,994,000	\$ 1,482,376	\$ 1,887,000	\$ 1,432,759	\$ 1,615,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-42: Gasoline Stations Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Gasoline Stations	Acadia	\$ 7,384,000	\$ 7,762,000	\$ 7,646,000	\$ 7,775,000	\$ 7,791,000	\$ 10,074,000
Gasoline Stations	Allen	\$ 626,000	\$ 662,000	\$ 980,000	\$ 1,045,000	\$ 1,001,000	\$ 1,303,000
Gasoline Stations	Ascension	\$ 8,860,000	\$ 9,362,000	\$ 9,433,000	\$ 9,228,000	\$ 9,536,000	\$ 10,181,000
Gasoline Stations	Assumption	\$ 2,652,000	\$ 2,909,000	\$ 3,249,000	\$ 3,161,000	\$ 3,204,000	\$ 3,182,000
Gasoline Stations	Avoyelles	\$ 4,093,000	\$ 4,873,000	\$ 5,159,000	\$ 5,558,000	\$ 5,888,000	\$ 5,793,000
Gasoline Stations	Beauregard	\$ 1,069,000	\$ 1,090,000	\$ 1,319,000	\$ 1,309,000	\$ 1,395,000	\$ 1,663,000
Gasoline Stations	Bienville	\$ 1,204,000	\$ 1,304,000	\$ 1,187,000	\$ 1,107,000	\$ 1,022,000	\$ 1,122,000
Gasoline Stations	Bossier	\$ 6,170,000	\$ 6,273,000	\$ 6,089,000	\$ 7,101,000	\$ 7,525,000	\$ 7,396,000
Gasoline Stations	Caddo	\$ 22,070,000	\$ 22,054,000	\$ 21,824,000	\$ 21,213,000	\$ 20,787,000	\$ 20,659,000
Gasoline Stations	Calcasieu	\$ 16,311,000	\$ 17,496,000	\$ 20,128,000	\$ 20,252,000	\$ 21,517,000	\$ 23,294,000
Gasoline Stations	Caldwell	\$ 850,000	\$ 974,000	\$ 812,000	\$ 821,000	\$ 780,000	\$ 783,000
Gasoline Stations	Cameron	\$ 1,062,000	\$ 1,074,000	\$ 1,062,000	\$ 945,000	\$ 892,000	\$ 958,000
Gasoline Stations	Catahoula	\$ 1,451,000	\$ 1,623,000	\$ 1,530,000	\$ 1,511,000	\$ 1,377,000	\$ 1,298,000
Gasoline Stations	Claborn	\$ 587,000	\$ 1,065,270	\$ 769,000	\$ 941,000	\$ 1,018,000	\$ 909,000
Gasoline Stations	Concordia	\$ 4,033,000	\$ 5,242,000	\$ 5,379,000	\$ 6,465,000	\$ 8,660,000	\$ 8,205,000
Gasoline Stations	De Soto	\$ 3,025,000	\$ 2,857,000	\$ 3,277,000	\$ 3,589,000	\$ 4,323,000	\$ 4,339,000
Gasoline Stations	East Baton Rouge	\$ 29,164,000	\$ 29,881,000	\$ 32,445,000	\$ 29,651,000	\$ 29,859,000	\$ 37,688,000
Gasoline Stations	East Carroll	\$ 1,038,000	\$ 978,000	\$ 1,025,000	\$ 1,038,000	\$ 1,005,000	\$ 976,000
Gasoline Stations	East Feliciana	\$ 1,682,000	\$ 1,573,000	\$ 1,766,000	\$ 1,931,000	\$ 2,158,000	\$ 2,184,000
Gasoline Stations	Evangeline	\$ 1,065,000	\$ 1,377,000	\$ 1,319,000	\$ 1,572,000	\$ 1,616,000	\$ 1,684,000
Gasoline Stations	Franklin	\$ 1,653,000	\$ 1,799,000	\$ 2,264,000	\$ 2,297,000	\$ 2,247,000	\$ 2,577,000
Gasoline Stations	Grant	\$ 1,891,000	\$ 1,998,000	\$ 1,746,000	\$ 2,087,000	\$ 2,181,000	\$ 2,264,000
Gasoline Stations	Iberia	\$ 6,967,000	\$ 7,179,000	\$ 6,573,000	\$ 5,964,000	\$ 5,590,000	\$ 5,681,000
Gasoline Stations	Iberville	\$ 3,321,000	\$ 3,196,000	\$ 3,372,000	\$ 3,718,000	\$ 3,839,000	\$ 4,150,000
Gasoline Stations	Jackson	\$ 1,594,000	\$ 1,512,000	\$ 1,359,000	\$ 1,305,000	\$ 1,193,000	\$ 1,052,000
Gasoline Stations	Jefferson	\$ 24,880,000	\$ 28,780,000	\$ 28,273,000	\$ 27,767,000	\$ 27,661,000	\$ 30,399,000
Gasoline Stations	Jefferson Davis	\$ 3,412,000	\$ 3,411,000	\$ 3,446,000	\$ 3,478,000	\$ 3,762,000	\$ 3,996,000
Gasoline Stations	Lafayette	\$ 33,385,000	\$ 35,170,000	\$ 37,485,000	\$ 44,676,000	\$ 44,540,000	\$ 26,264,000
Gasoline Stations	Lafourche	\$ 16,075,000	\$ 8,948,000	\$ 10,802,000	\$ 10,594,000	\$ 10,854,000	\$ 11,402,000
Gasoline Stations	LaSalle	\$ 968,000	\$ 974,000	\$ 1,200,000	\$ 1,044,000	\$ 926,000	\$ 1,198,000
Gasoline Stations	Lincoln	\$ 3,291,000	\$ 3,171,000	\$ 3,091,000	\$ 3,157,000	\$ 3,068,000	\$ 3,371,000
Gasoline Stations	Livingston	\$ 8,309,000	\$ 8,060,000	\$ 8,520,000	\$ 8,739,000	\$ 9,316,000	\$ 9,996,000
Gasoline Stations	Madison	\$ 3,480,000	\$ 3,617,000	\$ 4,232,000	\$ 4,157,000	\$ 4,125,000	\$ 4,378,000
Gasoline Stations	Morehouse	\$ 1,334,000	\$ 1,413,000	\$ 1,391,000	\$ 1,449,000	\$ 1,481,000	\$ 1,326,000
Gasoline Stations	Natchitoches	\$ 5,012,000	\$ 3,476,000	\$ 3,911,000	\$ 4,044,000	\$ 4,320,000	\$ 4,588,000
Gasoline Stations	Orleans	\$ 12,559,000	\$ 14,299,000	\$ 14,381,000	\$ 14,262,000	\$ 15,493,000	\$ 16,562,000
Gasoline Stations	Ouachita	\$ 10,962,000	\$ 11,515,000	\$ 12,671,000	\$ 13,562,000	\$ 13,723,000	\$ 13,894,000
Gasoline Stations	Plaquemines	\$ 2,348,000	\$ 2,341,000	\$ 2,106,000	\$ 2,051,000	\$ 2,072,000	\$ 2,148,000
Gasoline Stations	Pointe Coupee	\$ 4,402,000	\$ 4,736,000	\$ 4,966,000	\$ 5,465,000	\$ 5,142,000	\$ 4,872,000
Gasoline Stations	Rapides	\$ 9,808,000	\$ 10,585,000	\$ 10,805,000	\$ 11,466,000	\$ 12,819,000	\$ 13,924,000
Gasoline Stations	Red River	\$ 541,000	\$ 858,000	\$ 900,000	\$ 1,049,000	\$ 1,082,000	\$ 1,094,000
Gasoline Stations	Richland	\$ 2,934,000	\$ 3,050,000	\$ 3,294,000	\$ 3,068,000	\$ 2,689,000	\$ 2,723,000
Gasoline Stations	Sabine	\$ 1,965,000	\$ 2,266,000	\$ 2,829,000	\$ 2,860,000	\$ 3,119,000	\$ 3,122,000
Gasoline Stations	St. Bernard	\$ 1,656,000	\$ 1,619,000	\$ 1,813,000	\$ 2,023,000	\$ 1,934,000	\$ 2,228,000
Gasoline Stations	St. Charles	\$ 3,341,000	\$ 3,137,000	\$ 3,149,000	\$ 2,848,000	\$ 2,945,000	\$ 11,215,000
Gasoline Stations	St. Helena	\$ 430,000	\$ 749,000	\$ 701,000	\$ 587,000	\$ 572,000	\$ 1,468,000
Gasoline Stations	St. James	\$ 3,589,000	\$ 3,649,000	\$ 3,951,000	\$ 4,753,000	\$ 4,371,000	\$ 4,492,000
Gasoline Stations	St. John the Baptist	\$ 3,643,000	\$ 3,812,000	\$ 3,721,000	\$ 4,061,000	\$ 4,043,000	\$ 4,182,000
Gasoline Stations	St. Landry	\$ 8,462,000	\$ 8,641,000	\$ 10,006,000	\$ 10,233,000	\$ 10,669,000	\$ 9,854,000
Gasoline Stations	St. Martin	\$ 5,960,000	\$ 6,160,000	\$ 6,517,000	\$ 7,143,000	\$ 6,946,000	\$ 6,841,000
Gasoline Stations	St. Mary	\$ 6,326,000	\$ 6,224,000	\$ 6,615,000	\$ 5,880,000	\$ 6,020,000	\$ 6,013,000
Gasoline Stations	St. Tammany	\$ 14,574,000	\$ 14,847,000	\$ 15,846,000	\$ 14,119,000	\$ 14,276,000	\$ 16,808,000
Gasoline Stations	Tangipahoa	\$ 11,652,000	\$ 12,296,000	\$ 13,739,000	\$ 14,149,000	\$ 14,297,000	\$ 16,755,000
Gasoline Stations	Tensas	\$ 467,000	\$ 551,000	\$ 570,000	\$ 542,000	\$ 442,000	\$ 440,000
Gasoline Stations	Terrebonne	\$ 11,033,000	\$ 11,367,000	\$ 10,888,000	\$ 10,294,000	\$ 10,471,000	\$ 10,939,000
Gasoline Stations	Union	\$ 795,000	\$ 847,000	\$ 962,000	\$ 1,013,000	\$ 1,125,000	\$ 1,096,000
Gasoline Stations	Vermilion	\$ 4,092,000	\$ 4,220,000	\$ 4,032,000	\$ 3,619,000	\$ 3,382,000	\$ 3,876,000
Gasoline Stations	Vernon	\$ 3,402,000	\$ 3,607,000	\$ 3,744,000	\$ 3,424,000	\$ 3,003,000	\$ 2,989,000
Gasoline Stations	Washington	\$ 2,675,000	\$ 2,675,000	\$ 2,710,000	\$ 2,463,000	\$ 2,543,000	\$ 2,566,000
Gasoline Stations	Webster	\$ 5,046,000	\$ 4,938,000	\$ 5,236,000	\$ 5,236,000	\$ 5,329,000	\$ 5,746,000
Gasoline Stations	West Baton Rouge	\$ 3,349,000	\$ 3,629,000	\$ 3,814,000	\$ 3,836,000	\$ 4,102,000	\$ 5,103,000
Gasoline Stations	West Carroll	\$ 529,000	\$ 586,000	\$ 691,000	\$ 686,000	\$ 737,000	\$ 775,000
Gasoline Stations	West Feliciana	\$ 1,158,000	\$ 1,236,000	\$ 1,315,000	\$ 1,563,000	\$ 1,739,000	\$ 1,303,000
Gasoline Stations	Winn	\$ 635,000	\$ 621,000	\$ 509,000	\$ 546,000	\$ 525,000	\$ 581,000
Gasoline Stations	Unknown	\$ 1,701,000	\$ 1,630,730	\$ 1,843,000	\$ 780,000	\$ 792,000	\$ 325,000

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-43: Fuel Dealers Total Wages (Nominal \$) 2008-2013

Sector	Parish	Annual 2008	Annual 2009	Annual 2010	Annual 2011	Annual 2012	Annual 2013
Fuel Dealers	Acadia	\$ 220,490	\$ -	\$ -	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Allen	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Avoyelles	\$ 440,980	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ -
Fuel Dealers	Beauregard	\$ 440,980	\$ 417,422	\$ 472,241	\$ 485,949	\$ 431,924	\$ 539,154
Fuel Dealers	Bossier	\$ 467,997	\$ 788,544	\$ 532,464	\$ 1,055,406	\$ 1,018,000	\$ 1,208,000
Fuel Dealers	Caddo	\$ 440,980	\$ 417,422	\$ 472,241	\$ 485,949	\$ 431,924	\$ 539,154
Fuel Dealers	Calcasieu	\$ 440,980	\$ 417,422	\$ 472,241	\$ 485,949	\$ 431,924	\$ 269,577
Fuel Dealers	Caldwell	\$ 440,980	\$ 417,422	\$ 472,241	\$ 485,949	\$ 431,924	\$ 539,154
Fuel Dealers	Catahoula	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Claiborne	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Concordia	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	De Soto	\$ 220,490	\$ 208,711	\$ 236,121	\$ -	\$ -	\$ -
Fuel Dealers	East Baton Rouge	\$ 286,988	\$ 483,556	\$ 326,520	\$ 161,801	\$ 202,834	\$ 549,000
Fuel Dealers	East Carroll	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	East Feliciana	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Evangeline	\$ 440,980	\$ 417,422	\$ 472,241	\$ 485,949	\$ 431,924	\$ 539,154
Fuel Dealers	Franklin	\$ 257,899	\$ 434,542	\$ 293,424	\$ 290,801	\$ 364,549	\$ 365,307
Fuel Dealers	Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Iberia	\$ -	\$ -	\$ -	\$ 242,975	\$ 215,962	\$ -
Fuel Dealers	Iberville	\$ 220,490	\$ 208,711	\$ 236,121	\$ -	\$ -	\$ -
Fuel Dealers	Jackson	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ -
Fuel Dealers	Jefferson	\$ 462,000	\$ 696,572	\$ 470,359	\$ 466,154	\$ 584,373	\$ 585,589
Fuel Dealers	Jefferson Davis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Lafayette	\$ 897,000	\$ 843,000	\$ 844,000	\$ 900,000	\$ 983,646	\$ 985,692
Fuel Dealers	Lafourche	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	LaSalle	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Lincoln	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Madison	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Morehouse	\$ 220,490	\$ 208,711	\$ 236,121	\$ -	\$ -	\$ -
Fuel Dealers	Natchitoches	\$ 440,980	\$ 417,422	\$ 472,241	\$ 485,949	\$ 431,924	\$ 539,154
Fuel Dealers	Orleans	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Ouachita	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Rapides	\$ 661,469	\$ 626,133	\$ 708,362	\$ 728,924	\$ 647,887	\$ 808,731
Fuel Dealers	Red River	\$ -	\$ -	\$ -	\$ -	\$ 215,962	\$ 269,577
Fuel Dealers	Richland	\$ 881,959	\$ 626,133	\$ 708,362	\$ 485,949	\$ 431,924	\$ 539,154
Fuel Dealers	Sabine	\$ 440,980	\$ 626,133	\$ 708,362	\$ 728,924	\$ 647,887	\$ 539,154
Fuel Dealers	St. Bernard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	St. Charles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	St. John the Baptist	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	St. Landry	\$ 1,102,449	\$ 1,043,555	\$ 1,180,603	\$ 971,898	\$ 863,849	\$ 808,731
Fuel Dealers	St. Tammany	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Tangipahoa	\$ 968,000	\$ 972,000	\$ 935,000	\$ 975,000	\$ 919,000	\$ 1,025,000
Fuel Dealers	Tensas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Terrebonne	\$ 220,490	\$ 208,711	\$ 236,121	\$ 485,949	\$ 647,887	\$ 269,577
Fuel Dealers	Union	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Vermilion	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Vernon	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Washington	\$ 907,685	\$ 1,529,389	\$ 1,032,718	\$ 1,023,485	\$ 1,283,046	\$ 1,285,715
Fuel Dealers	Webster	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	West Baton Rouge	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	West Carroll	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	West Feliciana	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ -
Fuel Dealers	Winn	\$ 220,490	\$ 208,711	\$ 236,121	\$ 242,975	\$ 215,962	\$ 269,577
Fuel Dealers	Unknown	\$ -	\$ -	\$ -	\$ 264,674	\$ 663,595	\$ 498,731

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Exhibit A-44: Fuel Dealers Total Wages (Nominal \$) 2014-2019

Sector	Parish	Annual 2014	Annual 2015	Annual 2016	Annual 2017	Annual 2018	Annual 2019
Fuel Dealers	Acadia	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Allen	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Avoyelles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Beauregard	\$ 686,068	\$ 325,732	\$ 661,500	\$ 626,881	\$ 670,057	\$ 642,577
Fuel Dealers	Bossier	\$ 1,362,682	\$ 1,147,895	\$ 787,035	\$ 871,000	\$ 814,424	\$ 918,903
Fuel Dealers	Caddo	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Calcasieu	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Caldwell	\$ 686,068	\$ 651,465	\$ 661,500	\$ 626,881	\$ 670,057	\$ 642,577
Fuel Dealers	Catahoula	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Claiborne	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Concordia	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	De Soto	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	East Baton Rouge	\$ 458,000	\$ 489,000	\$ 783,000	\$ 457,960	\$ 499,426	\$ 563,495
Fuel Dealers	East Carroll	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	East Feliciana	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Evangeline	\$ 686,068	\$ 651,465	\$ 661,500	\$ 626,881	\$ 1,005,086	\$ 963,866
Fuel Dealers	Franklin	\$ 375,466	\$ 512,000	\$ 433,710	\$ 823,081	\$ 748,006	\$ 675,172
Fuel Dealers	Grant	\$ 343,034	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Iberia	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Iberville	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Jackson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Jefferson	\$ 601,873	\$ 838,000	\$ 817,000	\$ 772,000	\$ 1,047,000	\$ 1,262,000
Fuel Dealers	Jefferson Davis	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Lafayette	\$ 1,121,000	\$ 1,137,888	\$ 780,173	\$ 740,294	\$ 807,324	\$ 1,214,522
Fuel Dealers	Lafourche	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	LaSalle	\$ 343,034	\$ 325,732	\$ 330,750	\$ 626,881	\$ 670,057	\$ 642,577
Fuel Dealers	Lincoln	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Madison	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Morehouse	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Natchitoches	\$ 686,068	\$ 977,197	\$ 992,250	\$ 940,321	\$ 1,005,086	\$ 963,866
Fuel Dealers	Orleans	\$ 343,034	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Ouachita	\$ 343,034	\$ 651,465	\$ 661,500	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Rapides	\$ 686,068	\$ 651,465	\$ 661,500	\$ 626,881	\$ 670,057	\$ 642,577
Fuel Dealers	Red River	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Richland	\$ 686,068	\$ 651,465	\$ 661,500	\$ 626,881	\$ 670,057	\$ 642,577
Fuel Dealers	Sabine	\$ 343,034	\$ 651,465	\$ 661,500	\$ 626,881	\$ 670,057	\$ 642,577
Fuel Dealers	St. Bernard	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 321,289
Fuel Dealers	St. Charles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	St. John the Baptist	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	St. Landry	\$ 1,029,102	\$ 977,197	\$ 992,250	\$ 940,321	\$ 1,005,086	\$ 642,577
Fuel Dealers	St. Tammany	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Tangipahoa	\$ 918,550	\$ 1,031,690	\$ 707,361	\$ 976,000	\$ 937,000	\$ 1,061,000
Fuel Dealers	Tensas	\$ -	\$ -	\$ -	\$ 313,440	\$ -	\$ -
Fuel Dealers	Terrebonne	\$ -	\$ -	\$ -	\$ -	\$ 335,029	\$ 321,289
Fuel Dealers	Union	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Vermilion	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ -
Fuel Dealers	Vernon	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Washington	\$ 1,321,468	\$ 1,484,235	\$ 1,017,641	\$ 965,623	\$ 901,000	\$ 891,110
Fuel Dealers	Webster	\$ 343,034	\$ 325,732	\$ 330,750	\$ -	\$ -	\$ -
Fuel Dealers	West Baton Rouge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	West Carroll	\$ 343,034	\$ 325,732	\$ 330,750	\$ -	\$ -	\$ -
Fuel Dealers	West Feliciana	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fuel Dealers	Winn	\$ 343,034	\$ 325,732	\$ 330,750	\$ 313,440	\$ 335,029	\$ 321,289
Fuel Dealers	Unknown	\$ 512,600	\$ 466,000	\$ 526,326	\$ 499,423	\$ 544,643	\$ 307,256

Source: Bureau of Labor statistics, ICF analysis; values highlighted red indicate ICF estimates

Appendix B: Detailed Ad Valorem Taxes Paid

The following tables show ad valorem property taxes paid by parish and year from energy industries in Louisiana. Ad valorem taxes are based on the total assessed value and the parish-wide average millage rate. Categories of energy assets considered include: Oil and gas surface equipment, oil and gas wells, drilling rigs, and pipelines. The assessment category for pipeline companies has also been included in state level estimates, although these are not provided or included at the parish level. Refinery property taxes have been estimated and included at the parish level separately from assessment records based on ICF analysis.

Exhibit B-1: Ad Valorem Taxes Paid by Parish 2015-2019 (A-L)

Parish	2015	2016	2017	2018	2019
Acadia	\$ 3,524,098	\$ 3,419,579	\$ 2,990,540	\$ 2,253,497	\$ 2,139,892
Allen	\$ 1,829,376	\$ 1,342,710	\$ 1,111,020	\$ 942,535	\$ 942,723
Ascension	\$ 885,730	\$ 889,543	\$ 916,422	\$ 1,025,519	\$ 1,034,797
Assumption	\$ 955,016	\$ 904,672	\$ 1,025,980	\$ 1,051,969	\$ 1,028,562
Avoyelles	\$ 515,007	\$ 402,573	\$ 367,475	\$ 442,538	\$ 459,488
Beauregard	\$ 5,183,040	\$ 4,733,816	\$ 4,807,709	\$ 4,604,460	\$ 4,732,410
Bienville	\$ 14,138,695	\$ 13,520,775	\$ 13,806,021	\$ 13,353,936	\$ 13,943,927
Bossier	\$ 12,496,694	\$ 11,699,223	\$ 10,332,652	\$ 10,624,991	\$ 10,337,618
Caddo	\$ 23,803,273	\$ 18,860,998	\$ 18,361,068	\$ 18,173,231	\$ 18,944,197
Calcasieu	\$ 38,655,788	\$ 37,705,150	\$ 37,826,557	\$ 37,341,480	\$ 37,896,257
Caldwell	\$ 3,246,934	\$ 3,169,752	\$ 3,140,379	\$ 2,747,000	\$ 2,704,250
Cameron	\$ 11,833,388	\$ 9,261,102	\$ 8,097,492	\$ 6,462,088	\$ 6,404,043
Catahoula	\$ 119,900	\$ 110,903	\$ 101,512	\$ 110,474	\$ 112,535
Claiborne	\$ 3,363,844	\$ 3,032,853	\$ 2,387,751	\$ 2,786,076	\$ 2,806,434
Concordia	\$ 451,749	\$ 403,174	\$ 382,576	\$ 402,565	\$ 362,989
Desoto	\$ 50,451,314	\$ 47,209,751	\$ 43,442,884	\$ 44,745,557	\$ 46,709,969
East Baton Rouge	\$ 22,886,782	\$ 22,774,836	\$ 23,150,880	\$ 23,141,926	\$ 23,200,263
East Carroll	\$ 16,889	\$ 17,735	\$ 17,600	\$ 16,136	\$ 16,852
East Feliciana	\$ 248,607	\$ 226,624	\$ 116,177	\$ 96,639	\$ 160,462
Evangeline	\$ 2,691,324	\$ 2,428,534	\$ 2,139,169	\$ 2,031,722	\$ 1,771,455
Franklin	\$ 2,346,895	\$ 2,319,295	\$ 2,288,696	\$ 2,103,547	\$ 2,101,571
Grant	\$ 151,449	\$ 138,995	\$ 118,541	\$ 135,242	\$ 135,240
Iberia	\$ 3,289,480	\$ 2,495,700	\$ 2,609,111	\$ 2,003,227	\$ 1,957,744
Iberville	\$ 3,100,485	\$ 3,235,424	\$ 2,994,118	\$ 3,289,540	\$ 3,388,892
Jackson	\$ 9,999,399	\$ 9,228,630	\$ 8,200,738	\$ 7,820,983	\$ 6,969,185
Jefferson	\$ 3,912,500	\$ 3,342,033	\$ 3,463,078	\$ 3,313,988	\$ -
Jefferson Davis	\$ 2,574,703	\$ 2,412,056	\$ 2,184,943	\$ 2,321,260	\$ 2,094,968
Lafayette	\$ 1,071,791	\$ 943,041	\$ 838,022	\$ 640,778	\$ 577,589
Lafourche	\$ 14,923,432	\$ 14,135,389	\$ 11,222,527	\$ 10,641,043	\$ 11,230,810
LaSalle	\$ 1,869,066	\$ 1,666,396	\$ 1,577,120	\$ 1,533,679	\$ 1,485,693
Lincoln	\$ 6,142,925	\$ 6,445,595	\$ 6,056,876	\$ 6,724,806	\$ 7,112,062
Livingston	\$ 1,192,081	\$ 821,567	\$ 628,245	\$ 485,556	\$ 471,887

Exhibit B-2: Ad Valorem Taxes Paid by Parish 2015-2019 (M-Z)

Parish	2015	2016	2017	2018	2019
Madison	\$ 397,581	\$ 405,388	\$ 389,483	\$ 368,676	\$ 314,457
Morehouse	\$ 248,886	\$ 246,784	\$ 168,047	\$ 181,844	\$ 215,620
Natchitoches	\$ 952,704	\$ 908,813	\$ 816,250	\$ 843,045	\$ 825,401
Orleans	\$ -	\$ -	\$ -	\$ -	\$ -
Ouachita	\$ 804,593	\$ 699,945	\$ 598,312	\$ 568,121	\$ 583,420
Plaquemines	\$ 22,574,601	\$ 20,988,900	\$ 19,407,189	\$ 18,502,457	\$ 19,457,451
Pt. Coupee	\$ 2,152,141	\$ 1,609,182	\$ 1,324,477	\$ 1,211,932	\$ 1,119,389
Rapides	\$ 857,058	\$ 584,011	\$ 497,263	\$ 553,040	\$ 418,371
Red River	\$ 12,549,620	\$ 12,029,396	\$ 11,927,048	\$ 14,016,863	\$ 14,095,841
Richland	\$ 990,597	\$ 1,213,298	\$ 2,250,850	\$ 1,101,845	\$ 1,164,480
Sabine	\$ 6,535,483	\$ 5,994,621	\$ 5,841,947	\$ 5,848,249	\$ 5,926,445
St. Bernard	\$ 17,231,581	\$ 17,410,468	\$ 17,267,421	\$ 17,189,170	\$ 17,099,478
St. Charles	\$ 22,687,707	\$ 22,415,925	\$ 22,324,676	\$ 21,578,202	\$ 21,614,390
St. Helena	\$ 1,485,001	\$ 1,103,105	\$ 749,527	\$ 484,345	\$ 333,916
St. James	\$ 10,695,732	\$ 10,500,554	\$ 7,404,069	\$ 9,796,219	\$ 9,952,948
St. John	\$ 25,237,954	\$ 25,394,090	\$ 27,021,362	\$ 27,285,291	\$ 26,551,005
St. Landry	\$ 2,949,114	\$ 2,876,637	\$ 2,627,116	\$ 2,419,603	\$ 2,433,754
St. Martin	\$ 2,761,083	\$ 2,750,326	\$ 2,702,880	\$ 2,676,713	\$ 2,738,563
St. Mary	\$ 8,479,156	\$ 6,662,909	\$ 5,809,404	\$ 5,647,838	\$ 5,459,542
St. Tammany	\$ -	\$ -	\$ -	\$ -	\$ -
Tangipahoa	\$ 305,341	\$ 1,030,543	\$ 263,292	\$ 262,554	\$ 291,409
Tensas	\$ 263,200	\$ 200,222	\$ 195,784	\$ 182,310	\$ 203,213
Terrebonne	\$ 8,969,748	\$ 8,000,302	\$ 7,555,676	\$ 7,087,460	\$ 6,902,934
Union	\$ 1,229,129	\$ 878,097	\$ 561,479	\$ 705,917	\$ 716,880
Vermilion	\$ 5,744,538	\$ 5,372,366	\$ 4,713,150	\$ 4,339,873	\$ 3,645,860
Vernon	\$ 2,592,629	\$ 2,273,465	\$ 1,747,996	\$ 1,480,978	\$ 1,317,069
Washington	\$ 106,045	\$ 20,604	\$ 32,151	\$ 31,828	\$ 37,258
Webster	\$ 6,954,054	\$ 6,605,497	\$ 5,926,741	\$ 5,552,919	\$ 5,827,522
West Baton Rouge	\$ 3,444,192	\$ 3,120,443	\$ 3,752,859	\$ 4,174,452	\$ 4,126,552
West Carroll	\$ -	\$ -	\$ -	\$ -	\$ -
West Feliciana	\$ 224,852	\$ 194,221	\$ 86,420	\$ 84,976	\$ 94,475
Winn	\$ 241,377	\$ 229,833	\$ 215,275	\$ 190,834	\$ 182,821
Pipeline Companies	\$ 249,411,161	\$ 249,492,021	\$ 258,897,932	\$ 273,050,200	\$ 287,031,323
State Total	\$ 666,948,510	\$ 640,510,390	\$ 629,779,955	\$ 640,785,739	\$ 653,916,551