Economic Impacts Assessment

Improving Louisiana's Coastal Resilience through Interagency Flood Risk Outreach

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Executive Summary

The research detailed in this report is part of a collaborative research and communications project in support of the Coastal Protection and Restoration Authority's (CPRA) interagency coastal flood risk outreach initiative. CPRA worked with researchers in the LSU Economics & Policy Research Group (EPRG) and LSU's Graphic Design Student Office (GDSO) to identify and communicate coastal flood risk due to changes in the physical environmental along Louisiana's coast over the next 50 years. In particular, EPRG quantified the economic risks to infrastructure, assets, and the public/private facilities central to the missions of three Louisiana state agencies: Louisiana Department of Education (LDOE), Louisiana Department of Health (LDH), and Department of Transportation and Development (DOTD).

The end products of this collaboration are a series of communication tools, including three agency-specific story maps and fact sheets, which can be viewed here: Louisiana's Coastal Storm Surge-Based Flood Risk.

This report documents the data sources and methods underpinning each of these outreach products. Based on results from Louisiana's 2017 Coastal Master Plan, this effort focused on further describing the economic impact of current and future coastal storm surge-based risk to the assets and interests related to the three partner agencies.

While impacts identified for each agency differ, general findings are consistent across all categories of impact. While the state faces risks from coastal storm surge-based flooding today, those risks are expected to grow considerably more serious in a future without action. However, CPRA is working to improve the state's resiliency though the 2017 Coastal Master Plan and is actively partnering with agencies across state government to improve coordination across agency missions, which together can dramatically reduce future risks. The reality is that implementation of the 2017 Coastal Master Plan will not solve all the challenges facing coastal Louisiana. It will take an unprecedented effort by government, the private sector, and coastal communities to improve the sustainability of our coast.

Background

To develop the interagency coastal flood risk outreach initiative, the Coastal Protection and Restoration Authority (CPRA) worked with researchers in the LSU Economics & Policy Research Group (EPRG) and LSU's Graphic Design Student Office (GDSO) to identify and communicate coastal flood risk due to changes in the physical environmental along Louisiana's coast over the next 50 years. In particular, EPRG quantified the economic risks to infrastructure, assets, and the public/private facilities central to the missions of three Louisiana state agencies: Louisiana Department of Education (LDOE), Louisiana Department of Health (LDH), and Louisiana Department of Transportation and Development (DOTD).

Over the course of several meetings with each agency between March and June 2018, EPRG, GDSO, and CPRA worked with representatives at each agency to identify data sources and formulate key metrics that would help agency employees and the public at large better understand how long-term changes to coastal flood risk might impact each agency, or key agency stakeholders. EPRG researchers worked with agency staff to identify geospatial data sources and overlay those elements with maps from the 2017 Coastal Master Plan depicting coastal storm surge based-flood risk today and in the future under two sets of assumptions about changes in environmental conditions (e.g., sea level rise, subsidence, etc.).

Results of this analysis were summarized in map and tabular form and shared with CPRA and GDSO to be incorporated into three story maps, one for each agency. In addition, a 2-page fact sheet was developed for each agency summarizing the impacts of coastal storm surge-based flood risk and major findings from this research. These story maps and fact sheets are intended to serve as the primary public-facing outputs from this work. This report provides additional detail about data sources and methodology used to quantify risk, as well as a more complete set of results across future conditions, timelines, and geography.

This report proceeds with a thorough documentation of data sources and methods. This is followed by a complete set of coast wide results and some discussion of those results. The report concludes with a summary of major findings. Finally, a more detailed set of results including results by parish as well as results for specific roadways are provided in an Appendix.

Data and Methods

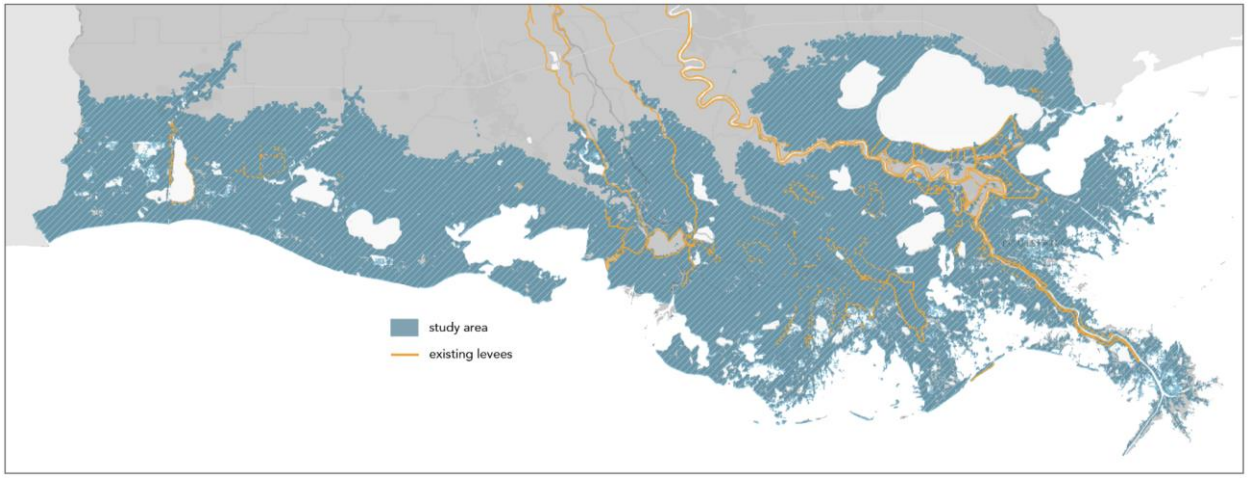
Data sources were identified and developed with assistance from representatives of the three state agencies participating in this initiative. Specific data sources relevant to each agency are discussed followed by a summary of methods used to analyze each source. In general, methods follow the general process developed and outlined in Barnes et al. (2017) and are summarized below.

Coastal Protection and Restoration Authority

For all analyses, coastal flood risk was assessed using storm surge-based flood depth results from the 2017 Coastal Master Plan modeling effort. In particular, the analysis focused on estimated flooding from a 1% annual chance flood (100-year flood) event given current coastal conditions as well as projections for 25 and 50 years in the future. Modeling for the 2017 Coastal Master Plan considered three sets of environmental conditions (referred to as low, medium, and high scenarios) for predicting future land loss and associated changes in flood risk. However, this analysis focused only on the medium and high scenarios.

Based on the results of the 2017 Coastal Master Plan, the assessment relied on the below study area in which to limit the data analysis. The study area includes portions of the coast included in the 2017 Master Plan modeling effort to assess storm surge-based flooding.

Figure 1: Map of Study Area



Louisiana Department of Education

In discussions with LDOE staff, the number of PreK-12 public schools facing higher storm surge-based flood risk today and in the future with or without action was selected as a key focus of the analysis. LDOE provided an export from their Schools Finder database as of March 13, 2018, which includes the location of every public school as well as enrollment statistics. The schools at higher coastal flood risk were identified as those located in areas with at least 1 foot of

flooding in the 2017 Coastal Master Plan's medium or high scenario flood depth results. In addition, the enrollment data at each of those schools were used to provide additional insights about the impacts of coastal flood risk expected today and in the future. Enrollment data included total enrollment at each school as of October 2017 as well as the number of students designated as Economically Disadvantaged, limited English proficiency, and disabled. Economically Disadvantaged is intended to identify students in poverty and includes students eligible for or included in Supplemental Nutrition Assistance Program, Temporary Assistance for Needy Families, Medicaid, homeless, migrant, incarcerated children, Limited English Proficiency (LEP), reduced priced lunch (non-Community Eligibility Provision), or foster care.

Another important function of LDOE is licensing Early Childhood Education Centers and providing funding to many early childhood education programs. LDOE provided data on Early Childhood Education Centers including center enrollment capacity in the Schools Finder database. As with PreK-12 public schools, centers identified at higher risk included those located in areas with at least 1 foot of flooding in the 2017 Coastal Master Plan's medium or high scenario flood depth results. Capacity at those centers was used to provide additional insights about the extent of impacts from coastal flooding today and in the future.

Finally, LDOE provided data on location and enrollment of nonpublic schools. Similar to public schools, nonpublic schools were identified as being at higher risk of coastal flooding if located in areas with at least 1 foot of flooding in each of the 2017 Coastal Master Plan's medium or high scenario flood depth results. Capacity at those schools was used to provide additional insights about the extent of impacts from coastal flooding today and in the future.

In all three cases, enrollment or capacity data were used to estimate the square footage of each facility, which was then multiplied by an average price per square foot based on the Federal Emergency Management Agency's HAZUS®-MH model (FEMA 2000-current). The proportional damage to each structure was estimated based on flood depth and a depth-damage curve as described in Barnes et al. (2017). In general, flooding between 1 and 3 feet requires moderate to significant repair, while flooding above 3 feet is considered to lead to total loss, or a need to rebuild the entire structure. It should be noted that the estimated numbers of structures impacted are general in nature and do not consider individual building elevations above ground. Costs include repairing school structures (in areas with 1-3 feet of coastal flooding) or replacing school structures (in areas with 3 or more feet of coastal flooding).

Louisiana Department of Health

The mission of LDH is to protect and promote health and to ensure access to medical, preventive, and rehabilitative services for all citizens of the State of Louisiana. In meetings with agency staff, the project focus was narrowed down to assessing access to care, and in particular, the potential impacts to more vulnerable populations.

Hospitals were selected as a focus due to the importance of these centralized facilities in supporting health and access to critical care for surrounding communities. In addition, Medicaid

providers (physicians, clinics, etc.) were identified as an important metric for access to care given the overlap with the agency's function in administering Medicaid and related programs. Potential changes in coastal flood risk among this group of providers also provides useful information about access to care among the Medicaid population, which is a more vulnerable group of residents given the more limited resources among this population in adapting to environmental changes. Similarly, a direct assessment of potential impacts to this population was also identified as an area of focus. While there are many populations who may be vulnerable to coastal flood risk, such as the elderly, those with a disability, or those who speak English as a second language, the assessment focused on the Medicaid population as an example of a group that may be at more risk to the impacts of coastal flooding. Finally, LDH employees were included in the analysis.

Data on hospitals were pulled from two sources: the LDH online directory as of June 2018, and a list of hospitals available in the Public Health Open Data portion of the Homeland Infrastructure Foundation-Level Data published by Oak Ridge National Laboratory as of April 2018. However, a review of these two lists of hospitals revealed some discrepancies including a small number of closed hospitals in each dataset and examples of active hospitals that were found in one or the other list but not included in both lists. The two lists were combined and then reviewed to ensure only currently open hospitals were included and to remove any duplication across the two datasets.

Remaining data sources were provided by LDH. Medicaid providers as of April 2018 were provided in two datasets: one for fee for service providers and one for those in the coordinated care networks. These providers were geocoded and enhanced with business characteristics using the googleplaces user written command in Stata (Crockett, Barnes and Schmidt, 2016). A geocoded database of current Medicaid recipients as of April 2018 was provided as was a geocoded database of current LDH employees.

While some information on building characteristics for hospitals and providers was available, it was not comprehensive enough to reliably estimate potential damage due to coastal flooding. As such, the analysis of health-related topics focused only on the number of hospitals, Medicaid providers, Medicaid recipients, and LDH employees facing risks of coastal flooding. In each case, the specific data source was overlaid with flood depth results from the 2017 Coastal Master Plan to identify how many hospitals, Medicaid providers, Medicaid recipients, or LDH employees would be at higher risk of coastal flooding if located in areas with at least 1 foot of flooding. It should be noted that the estimated numbers of structures impacted are general in nature and do not consider individual building elevations above ground. Medicaid recipients impacted are located in areas subject to 1 foot or more of coastal flooding.

Louisiana Department of Transportation and Development

DOTD has an explicit focus on planning, designing, building, and sustaining a safe and reliable transportation system. The centerpiece of that system is the road network, and it was chosen as the focus of this study. Geospatial data depicting the location of roads was provided as of

May 2018. Road characteristics including number of lanes in each direction and surface type were also provided to aid in developing more accurate estimates of costs to repair or rebuild roadways damaged by coastal flooding. In addition, average daily traffic was provided to help identify and characterize key roadways that warranted special attention due to their important function in maintaining safe and reliable transportation before and after storm events.

Roads were identified as being at higher risk of coastal flooding if located in areas with at least 1 foot of flooding in each of the 2017 Coastal Master Plan's medium or high scenario flood depth results. Damage to flooded roads was estimated based on flood depth and a depth-damage curve as described in Barnes et al. (2017). Specifically, the Rhine Atlas damage curve is used, which implies that 15% of the road surface is damaged when flooding exceeds 1 foot. In some cases, this may require only small or moderate repair work, while widespread flooding could cause large stretches of road to be entirely rebuilt or perhaps even relocated. The general cost to build roads from Barnes et al. (2017), updated for inflation, is used to estimate repair and rebuild costs. It should be noted that roadway impacts are general in nature and do not consider individual roadway elevations above ground.

Results

Results of this analysis are reported in sequence for each of the agencies. As noted previously, this report is intended to document methods and provide a full complement of results from the analysis. The tables below provide those data points summarized at the coast wide level with only brief discussions highlighting key findings. In addition, parish-level results are provided in the Appendix.

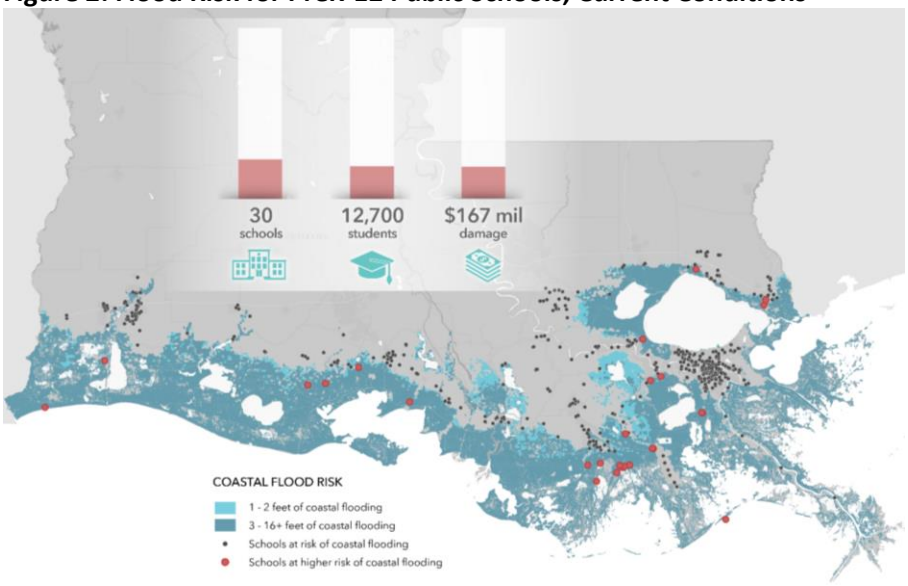
Louisiana Department of Education

In the coastal study area, there are 729 PreK-12 public schools enrolling approximately 403,000 students. The total number of public schools facing higher risk of coastal flooding under each condition, scenario, and time horizon are shown in Table 1 along with enrollment at those schools. Current day conditions suggest that about 4% of PreK-12 public schools in the coastal study area face higher risk of flooding from a 1% annual chance flood event. This includes impacts to approximately 12,700 students and would amount to $167 million in damage to educational facilities. These results with current conditions are highlighted in Figure 2 below.

Table 1: PreK-12 Public Schools at Higher Risk of Coastal Flooding, Coast Wide Totals

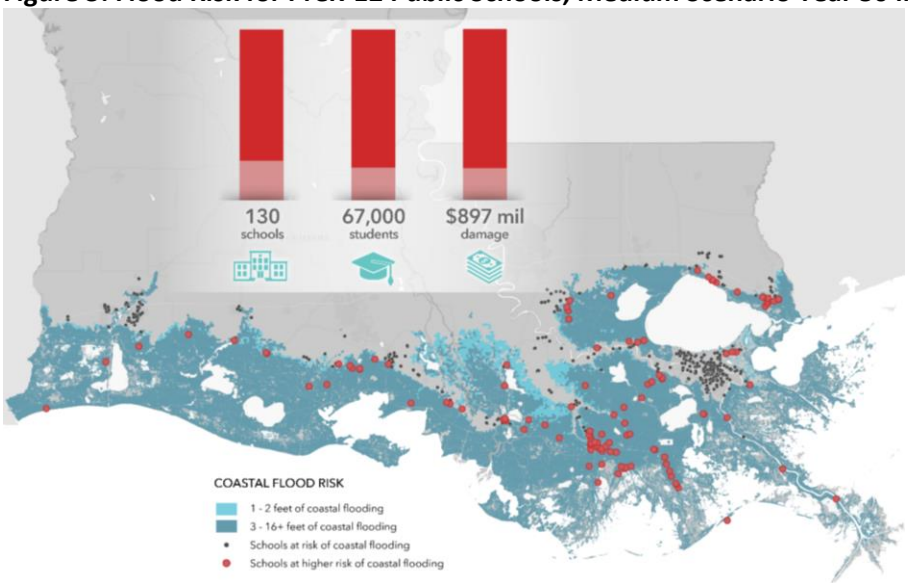
Condition	*Scenario*	*Year*	*Number of Schools*	*Enrollment*	*Repair and Rebuild Costs*
Current	Current	0	30	12,700	$167,000,000
Future Without Action	Medium	50	130	67,000	$897,000,000
Future With Plan	Medium	50	50	22,800	$296,000,000
Future Without Action	High	50	160	88,800	$1,200,000,000
Future With Plan	High	50	90	45,600	$591,000,000

Figure 2: Flood Risk for PreK-12 Public Schools, Current Conditions



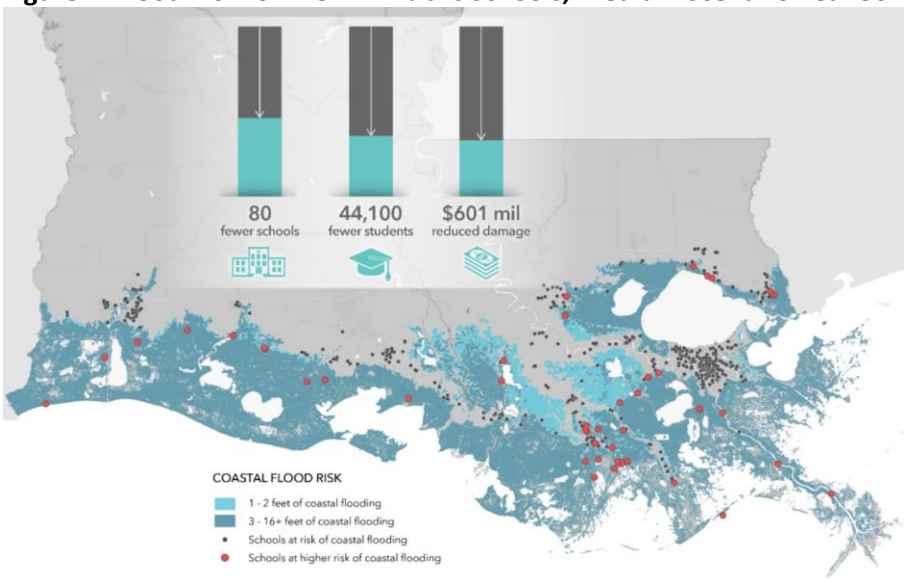
Impacts from the same 1% annual chance flood event occurring 50 years in the future without additional protection or restoration actions could have significantly more severe impacts on Louisiana PreK-12 public schools. In total, four to six times more public schools would face impacts from such a flood event in comparison to today. Under future conditions, without the implementation of master plan projects, a 1% annual chance flood event would impact approximately 17-21% of public schools and 67,000-88,800 students. This future coastal flooding would also lead to higher damage with coastal communities facing between $897 million and $1.2 billion dollars in repair and rebuild costs in a future without action. Results from the medium scenario are highlighted in Figure 3.

Figure 3: Flood Risk for PreK-12 Public Schools, Medium Scenario Year 50 in Future Without Action



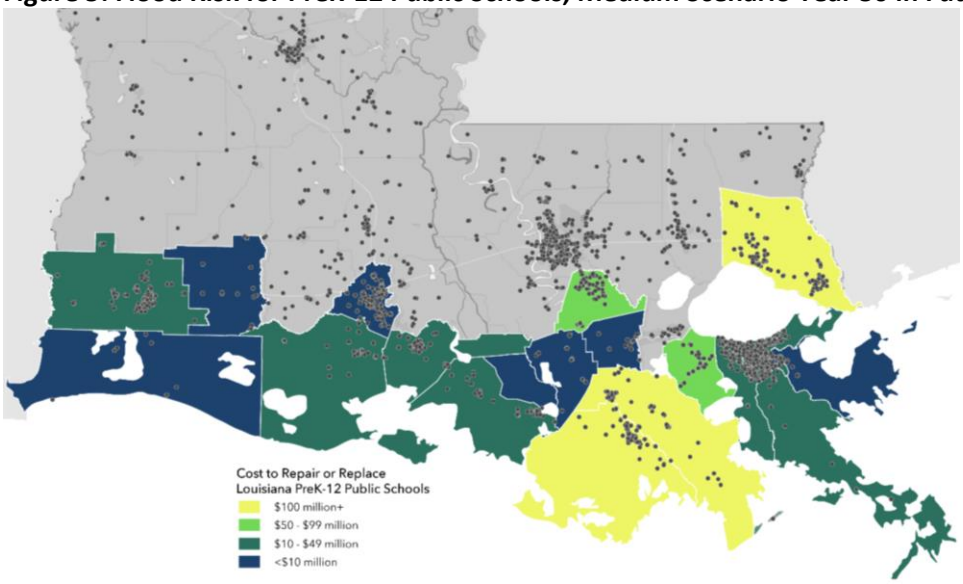
If the master plan is implemented, the number of PreK-12 schools facing higher risk of coastal flooding can be reduced by 43-62% in comparison to a future without the plan. This translates into 70-80 fewer schools and 43,200-44,100 fewer students impacted, along with approximately $601-609 million in damage reduced. Results from the medium scenario are highlighted in Figure 4. While Louisiana has an opportunity to make great progress in reducing risk through the implementation of the master plan, it is important to recognize that the impacts of coastal flood risk to coastal Louisiana schools will be greater in 50 years than they are today.

Figure 4: Flood Risk for PreK-12 Public Schools, Medium Scenario Year 50 in Future With Plan



A similar set of results for each parish is provided in the Appendix with a summary of parish-level results. The parishes facing highest risk in a future without action at year 50 under the medium scenario in terms of number of PreK-12 public schools impacted are Terrebonne (30), St. Tammany (20), Lafourche (20), St. Mary (10), and Vermillion (10). Parishes with the highest risk in a future without action at year 50 under the medium scenario in terms of number of students potentially impacted are Terrebonne (14,100), St. Tammany (13,900), Lafourche (8,600), St. Charles (4,700), and Ascension (4,400). Finally, the parishes facing highest risk in a future without action at year 50 under the medium scenario in terms of repair and rebuild costs (Figure 5) are Terrebonne ($193 million), St. Tammany ($181 million), Lafourche ($116 million), St. Charles ($65 million), and Ascension ($57 million).

Figure 5: Flood Risk for PreK-12 Public Schools, Medium Scenario Year 50 in Future Without Action



Additional details about enrollment at PreK-12 public schools facing higher risk of coastal flooding is provided in Table 2 including how many students at each school are currently categorized as Economically Disadvantaged, Limited English Proficiency, or disabled. While the exact numbers of students in each category will change from year-to-year, these figures are intended to provide additional insight into how changing coastal risks impact more vulnerable populations. Parish-level results are provided in the Appendix.

Table 2: Enrollment Detail for PreK-12 Public Schools at Higher Risk of Coastal Flooding, Coast Wide Totals

Condition	*Scenario*	*Year*	*Economically Disadvantaged Students*	*Limited English Proficiency Students*	*Students with Disabilities*
Current	Current	0	7,800	300	1,500
Future Without Action	Medium	50	41,800	2,500	7,700
Future With Plan	Medium	50	13,500	800	2,800
Future Without Action	High	50	55,800	3,400	10,300
Future With Plan	High	50	27,100	1,400	5,400

Results for nonpublic schools are provided in Table 3. In total, there are 235 nonpublic schools in the coastal study area enrolling approximately 76,000 students. Risks to nonpublic schools are generally lower than are risks to public schools. There are currently 10 nonpublic schools at risk in a 1% annual chance flood event. These schools enroll approximately 1,400 students. In a

future without action, under the medium scenario, approximately 30 schools and 7,300 students face higher coastal flood risk with costs of repair and rebuild increasing from $17.7 to $98.6 million dollars. With the implementation of the master plan, the results show a dramatic reduction in risk compared to a future without action including fewer schools at risk (by 90%), fewer students at risk (by 88%), and lower repair and rebuild costs (by 88%) at year 50 under the medium scenario. Parish-level results are provided in the Appendix.

Table 3: PreK-12 Nonpublic Schools at Higher Risk of Coastal Flooding, Coast Wide Totals

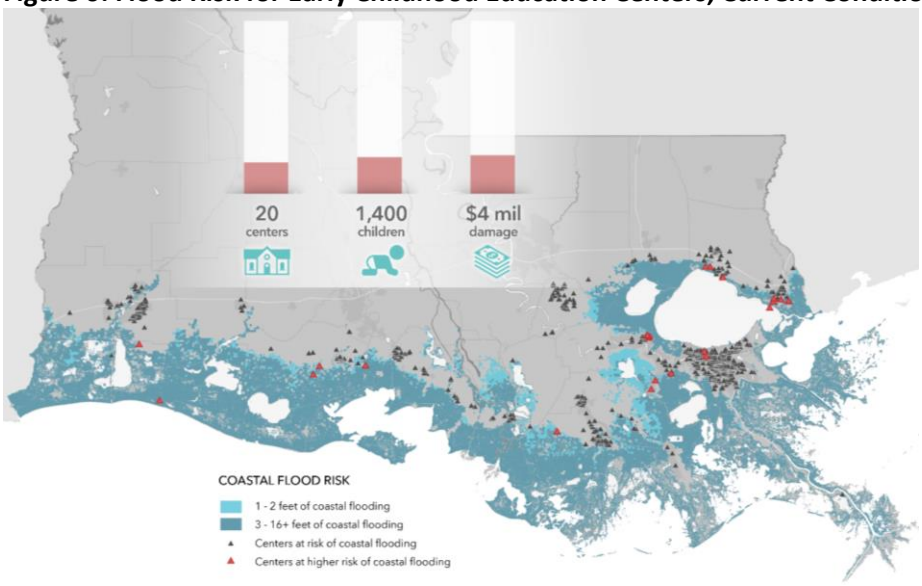
Condition	*Scenario*	*Year*	*Number of Schools*	*Enrollment*	*Repair and Rebuild Costs*
Current	Current	0	10	1,400	$17,700,000
Future Without Action	Medium	50	30	7,300	$98,600,000
Future With Plan	Medium	50	<5	900	$11,600,000
Future Without Action	High	50	40	9,700	$131,000,000
Future With Plan	High	50	10	3,600	$46,600,000

Results for early childhood education centers are provided in Table 4. In total, there are 691 early childhood education centers in the coastal study area. These centers have a current total capacity of approximately 48,000. While capacity does not directly capture enrollment, this metric provides insights about potential impacts to the availability of early childhood education in the region. At current day, a 1% annual chance flood event would impact approximately 3% (or 20) of the centers in coastal Louisiana and approximately 1,400 children and result in damage of approximately $4 million. Results for current conditions are highlighted in Figure 6.

Table 4: Early Childhood Education Centers at Higher Risk of Coastal Flooding, Coast Wide Totals

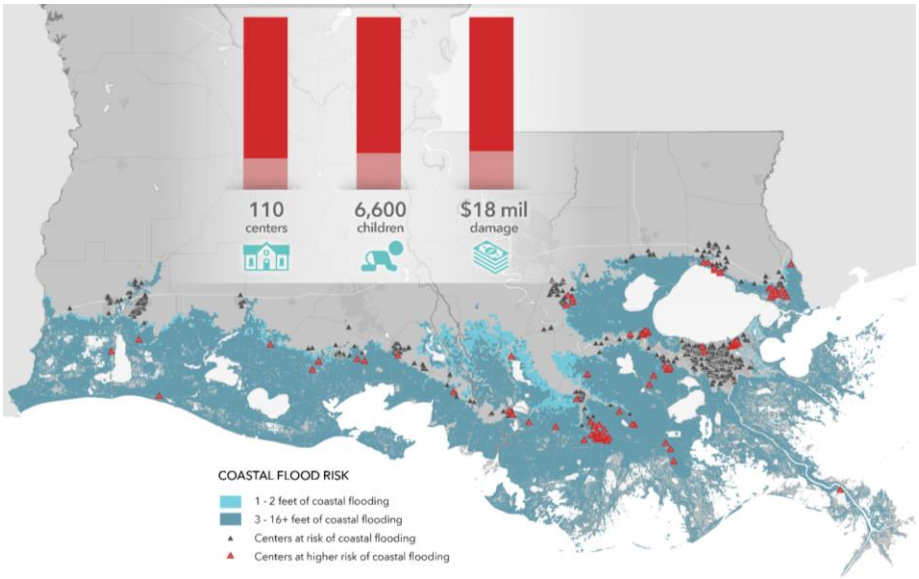
Condition	*Scenario*	*Year*	*Total Childcare Centers*	*Total Capacity*	*Damage Cost*
Current	Current	0	20	1400	$3,900,000
Future Without Action	Medium	25	60	3400	$9,700,000
Future With Plan	Medium	25	20	900	$3,100,000
Future Without Action	High	25	60	3500	$10,300,000
Future With Plan	High	25	20	1400	$3,800,000
Future Without Action	Medium	50	110	6600	$18,500,000
Future With Plan	Medium	50	30	1800	$5,300,000
Future Without Action	High	50	160	9600	$27,300,000
Future With Plan	High	50	70	4400	$12,100,000

Figure 6: Flood Risk for Early Childhood Education Centers, Current Conditions



However, a 1% annual chance flood event occurring 50 years in the future, without the implementation of the master plan, could affect 4-7 times more early childhood education centers in comparison to today. This means that 12-18% of the centers (110-160 centers) and 10-15% of capacity (6,600-9,600 children) in the study area may be impacted, resulting in $18-$27 million in damage. Results from the medium scenario are highlighted in Figure 7.

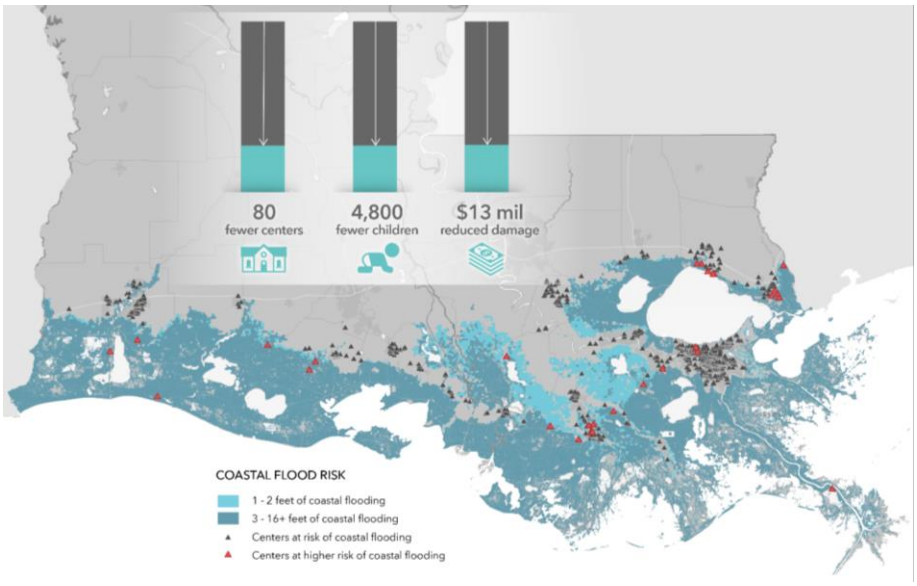
Figure 7: Flood Risk for Early Childhood Education Centers, Medium Scenario Year 50 in Future Without Action



With the implementation of the master plan, Louisiana can significantly reduce the number of early childhood centers impacted (55-71% reduction), in comparison to a future without the plan. This translates into 80-90 fewer child care centers and 4,800-5,200 fewer children

impacted. Additionally, damage is reduced by $13-$15 million. Results from the medium scenario are highlighted in Figure 8. Parish-level results are provided in the Appendix.

Figure 8: Flood Risk for Early Childhood Education Centers, Medium Scenario Year 50 in Future With Plan



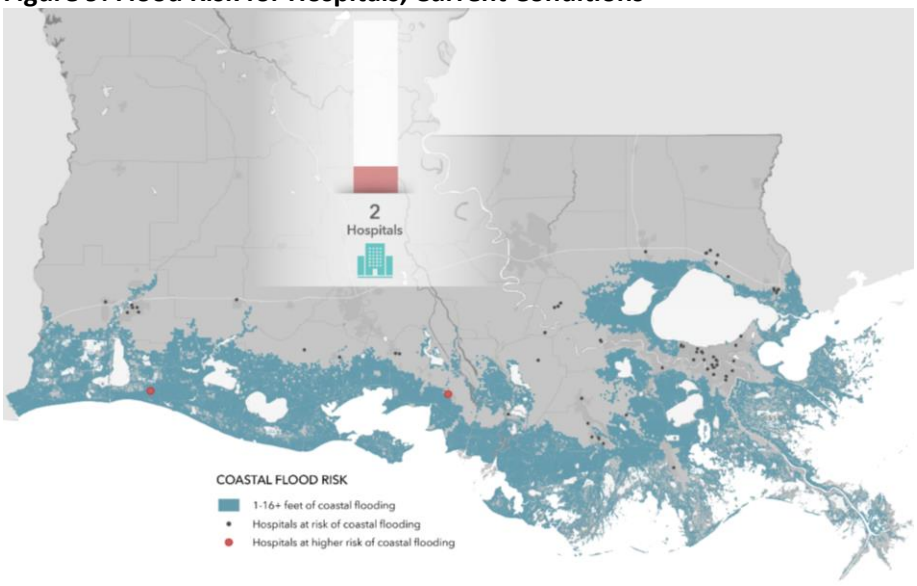
Louisiana Department of Health

In the coastal study area there are 72 hospitals. The total number of hospitals facing higher risk of coastal flooding under each condition, scenario, and time horizon are shown in Table 5. Current day conditions suggest that about 3% of hospitals in the coastal area (2 hospitals) face higher risk of flooding from a 1% annual chance flood event. Results for current conditions are highlighted in Figure 9.

Table 5: Hospitals at Higher Risk of Coastal Flooding, Coast Wide Totals

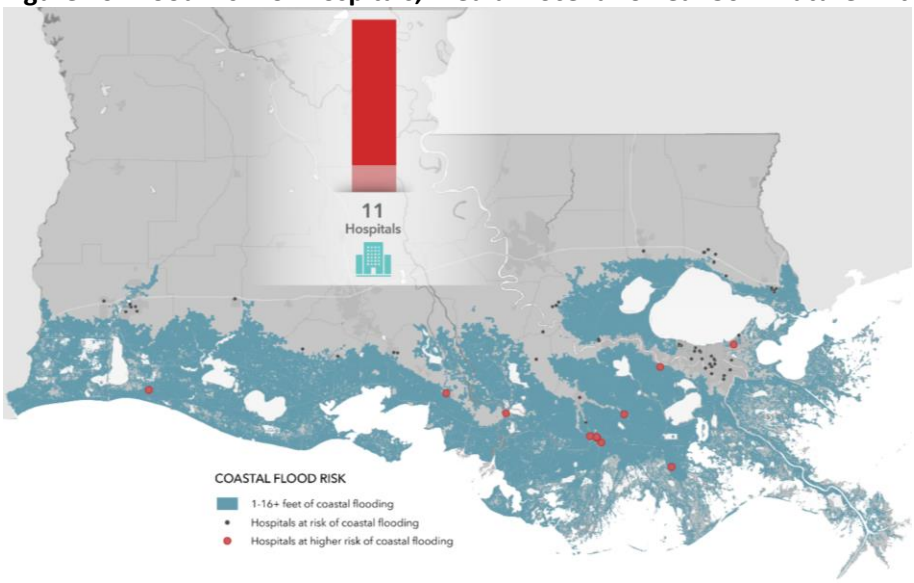
Condition	*Scenario*	*Year*	*Number of Hospitals at Higher Risk*
Current	Current	0	2
Future Without Action	Medium	25	5
Future With Plan	Medium	25	2
Future Without Action	High	25	5
Future With Plan	High	25	2
Future Without Action	Medium	50	11
Future With Plan	Medium	50	2
Future Without Action	High	50	18
Future With Plan	High	50	7

Figure 9: Flood Risk for Hospitals, Current Conditions



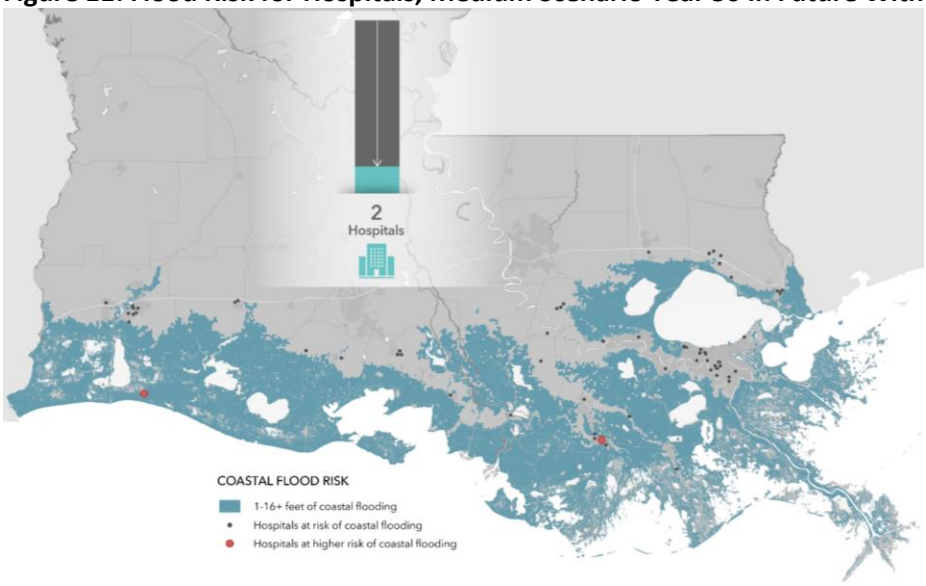
Impacts from the same 1% annual chance flood event occurring 50 years in the future without additional restoration or protection actions could have significantly more severe impacts on hospitals. In a future without action, the percent of hospitals facing higher risk grows to 15% in the medium scenario (11 hospitals). Results from the medium scenario are highlighted in Figure 10.

Figure 10: Flood Risk for Hospitals, Medium Scenario Year 50 in Future Without Action



However, with the implementation of the master plan, there is an 82% reduction in the number of hospitals impacted by coastal flood risk, in comparison to a future without the plan. Results from the medium scenario are highlighted in Figure 11. Results for all scenarios by parish are provided in the Appendix.

Figure 11: Flood Risk for Hospitals, Medium Scenario Year 50 in Future With Plan

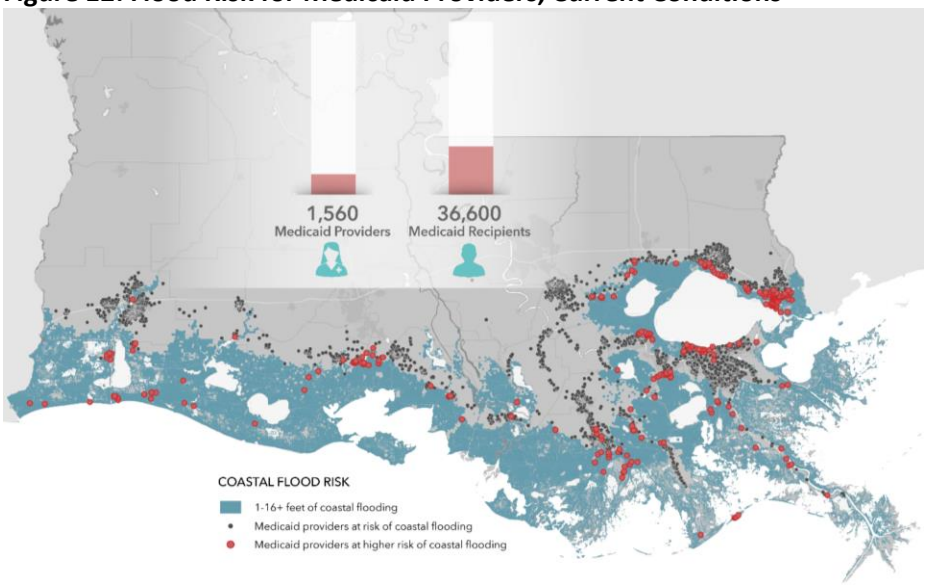


Results for Medicaid providers are shown below in Table 6. In total, there are approximately 105,000 Medicaid providers in the coastal study area. Under current conditions, 1,560 or about 1% of Medicaid providers face higher risk of coastal flooding. Results for current conditions are highlighted in Figure 12.

Table 6: Medicaid Providers at Higher Risk of Coastal Flooding, Coast Wide Totals

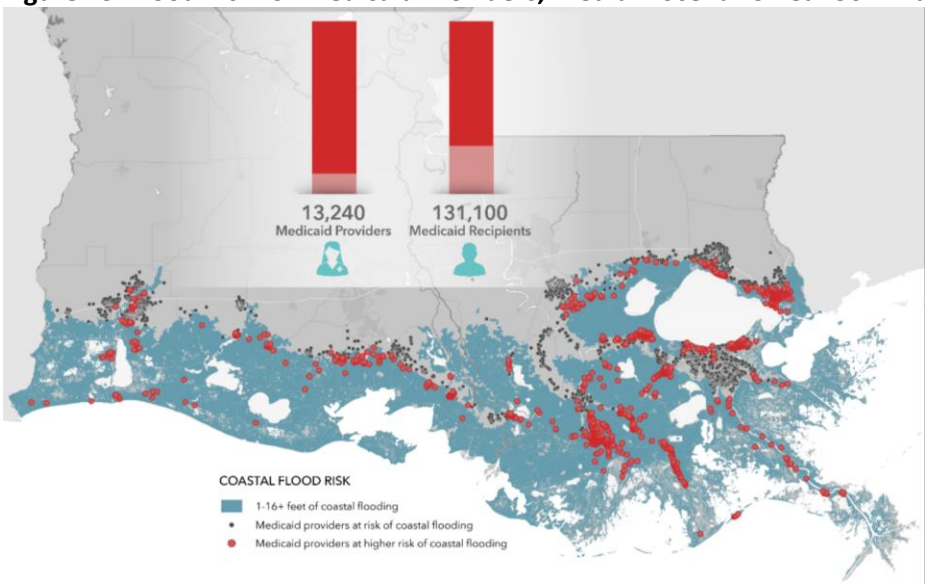
Condition	*Scenario*	*Year*	*Number of Providers at Higher Risk*
Current	Current	0	1,560
Future Without Action	Medium	25	5,050
Future With Plan	Medium	25	1,610
Future Without Action	High	25	6,270
Future With Plan	High	25	2,190
Future Without Action	Medium	50	13,240
Future With Plan	Medium	50	2,960
Future Without Action	High	50	18,880
Future With Plan	High	50	10,510

Figure 12: Flood Risk for Medicaid Providers, Current Conditions



Medicaid providers (such as hospitals, clinics, etc.) may face over a tenfold increase in economic impacts from coastal flooding 50 years into the future in comparison to today. In a future without action at year 50, those risks can grow to impact approximately 13,240 or 13% of Medicaid providers in the coastal area under the medium scenario. Results for the medium scenario in the future without action at year 50 are highlighted in Figure 13. However, with the master plan in place, impacts to Medicaid providers are reduced by 78% in comparison to a future without the plan. At the parish level, areas with the greatest proportional impact to Medicaid providers in a future without action at year 50 under the medium scenario are Cameron (100%), Terrebonne (93%), St. Mary (62%), St. Charles (51%), and St. John the Baptist (45%). Full parish-level results are included in the Appendix.

Figure 13: Flood Risk for Medicaid Providers, Medium Scenario Year 50 in Future Without Action



Results for Medicaid recipients are provided in Table 7. In total, there are approximately 918,000 Medicaid recipients in the coastal study area. Under current conditions, 36,600 or about 4% of Medicaid recipients face higher risk of coastal flooding. In a future without action at year 50 under the medium scenario, coastal flood risk can grow to impact approximately 131,100 or 14% of Medicaid recipients in the coastal area. However, with the master plan projects in place, there is a 65% reduction in Medicaid recipients impacted by coastal flood risk under the medium scenario, in comparison to a future without the plan. While Louisiana has an opportunity to make great progress in reducing risk through the implementation of the master plan, the impacts of coastal flood risk to Louisiana's Medicaid providers and the Medicaid population will be greater in 50 years than they are today.

Table 7: Medicaid Recipients at Higher Risk of Coastal Flooding, Coast Wide Totals

Condition	*Scenario*	*Year*	*Medicaid Recipients at Higher Risk*
Current	Current	0	36,600
Future Without Action	Medium	25	74,700
Future With Plan	Medium	25	28,600
Future Without Action	High	25	85,900
Future With Plan	High	25	32,200
Future Without Action	Medium	50	131,100
Future With Plan	Medium	50	45,500
Future Without Action	High	50	190,500
Future With Plan	High	50	97,400

Due to the concentration of business activity in more centralized, higher-elevation, and better protected areas, risks for Medicaid recipients tend to be somewhat higher than for Medicaid providers. While the reduction in risk due to the implementation of the master plan is dramatic in both cases, it does more to lower risk among providers than among recipients. At the parish level, areas with the largest number of Medicaid recipients at higher risk in a future without action at year 50 are Terrebonne (37,800), St. Tammany (21,900), Lafourche (14,700), Orleans (11,100), and St. John the Baptist (7,500). Full parish-level results for Medicaid recipients are included in the Appendix.

The final category of impact considered in the context of LDH is agency employees. Results for LDH employees are shown in Table 8. Similar to the patterns seen for other categories of impact, employees face some risks today (5% of employees in coastal Louisiana live in areas with higher risk) but see those risks grow in a future without action (18-27% of employees in coastal Louisiana). However, with implementation of the master plan, future risks decrease and the number of employees facing elevated risks is much more similar to today.

Table 8: LDH Employees at Higher Risk of Coastal Flooding, Coast Wide Totals

Condition	*Scenario*	*Year*	*Employees at Higher Risk*
Current	Current	0	70
Future Without Action	Medium	25	110
Future With Plan	Medium	25	50
Future Without Action	High	25	130
Future With Plan	High	25	50
Future Without Action	Medium	50	220
Future With Plan	Medium	50	80
Future Without Action	High	50	330
Future With Plan	High	50	160

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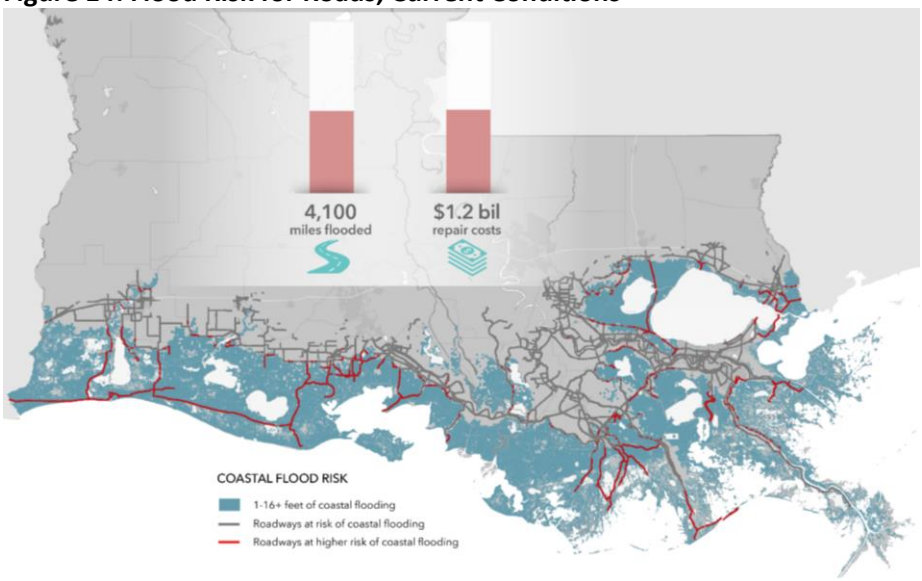
The total miles of roads facing higher risk of coastal flooding under each condition, scenario, and time horizon are shown in Table 9 along with estimated repair and replacement costs from coastal flooding. Current day conditions suggest that about 4,100 miles of road face higher risk of flooding from a 1% annual chance flood event (having 1 foot or more of flooding). This flood event would cause approximately $1.2 billion in repair and replacement costs. Results for current conditions are highlighted in Figure 14.

Table 9: Roads at Higher Risk of Coastal Flooding, Coast Wide Totals

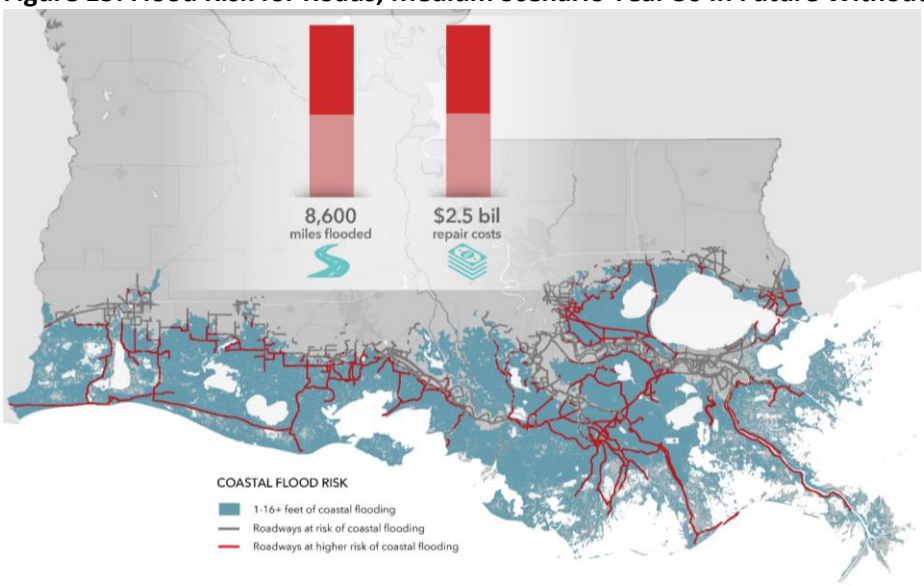
Condition	*Scenario*	*Year*	*Miles of Road at Higher Risk*	*Repair and Replacement Costs*
Current	Current	0	4,100	$1,211,000,000
Future Without Action	Medium	25	6,200	$1,793,000,000
Future with Plan	Medium	25	4,600	$1,330,000,000
Future Without Action	High	25	6,800	$1,963,000,000
Future with Plan	High	25	5,000	$1,450,000,000
Future Without Action	Medium	50	8,600	$2,489,000,000
Future with Plan	Medium	50	5,900	$1,675,000,000
Future Without Action	High	50	10,300	$2,983,000,000
Future with Plan	High	50	7,800	$2,201,000,000

Figure 14: Flood Risk for Roads, Current Conditions



Impacts from the same 1% annual chance flood event occurring 50 years in the future without additional restoration or protection actions could have significantly more severe impacts on roadways. In total, 109-150% more miles of road would be impacted from such a flood event in comparison to today. This includes 8,600-10,300 miles of roadway that could be impacted by coastal flooding. This would also mean an increase of 106-146% in costs to repair and replace roadways, or approximately $2.5-3.0 billion. Results for the medium scenario are highlighted in Figure 15.

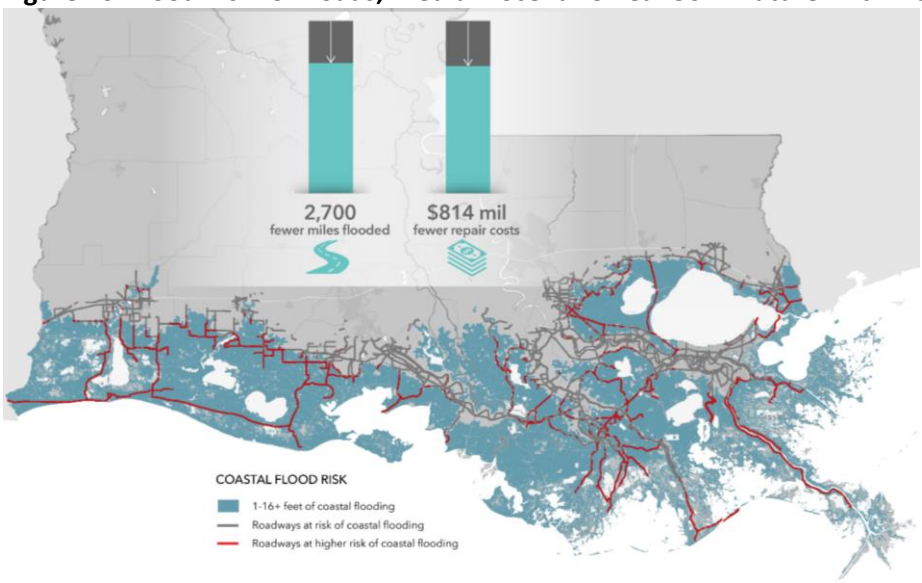
Figure 15: Flood Risk for Roads, Medium Scenario Year 50 in Future Without Action



With the master plan projects in place, Louisiana can significantly reduce the number of roadways at risk 50 years into the future. For instance, with the master plan projects in place, Louisiana can achieve a 69-75% reduction in the number of miles of road impacted by coastal

flood risk, in comparison to a future without the plan. This means that 2,500-2,700 fewer miles of roadway would be impacted by coastal flood risk, along with $782-814 million in reduced repair and replacement costs. Results for the medium scenario are highlighted in Figure 16. While Louisiana has an opportunity to make great progress in reducing risk through the implementation of the master plan, the impacts of coastal flood risk to Louisiana's roadways will be greater in 50 years than they are today. Parish-level summaries of damage to roads for all scenarios and time horizons are provided in the Appendix.

Figure 16: Flood Risk for Roads, Medium Scenario Year 50 in Future With Plan



Lastly, some of the major roadways that provide primary access to or serve as evacuation routes for large portions of the coast are summarized below including the percent of roadway within the coastal area flooded in a 1% annual chance flood event and average daily traffic at major checkpoints along the route. The specific roadways included in this more detailed review are highlighted in Figure 17.

Figure 17: Specific Roads Highlighted for Flood Risk

For example, in 50 years without the implementation of master plan projects, Interstate 10 (I-10) may face approximately 52-72 miles of flooded road, which is up to 53% of the I-10 interstate highway located in coastal Louisiana. This also amounts to $35-47 million in repair and replacement costs. As I-10 is the state's primary artery running from Texas to Mississippi, the interstate has one of the highest counts of daily average traffic in the region with 124,000 vehicles passing along the highway in some places.

Other major roads at risk include Highway 90 (Hwy 90), which also stretches from the Texas to Mississippi border and runs just south of Lake Charles, Lafayette, Morgan City, New Orleans, and several other small towns. Hwy 90 may see 100-120 miles of flooded road, which is up to 56% of the Hwy 90 roadway that is located in coastal Louisiana, and which would amount to $51-64 million in repair and replacement costs. Hwy 90 is also another major connecting route, which includes daily average traffic counts of as many as 95,800 vehicles in some places.

Other major roadways at risk include:

- State Highway 82, which runs along the Chenier Plain from Creole, LA to Perry, LA, is at risk of flooding for up to 93% of the roadway in coastal Louisiana (or approximately 110 miles with repair and replacement costs of $18 million).
- State Highway 23, which runs along the West Bank from Gretna, LA to Venice, LA, is at risk of flooding for 83% of the roadway in coastal Louisiana (60 miles with repair and replacement costs of $39 million).

The percent of roadways within the coastal area that flood in a 1% annual chance flood event and average daily traffic at major checkpoints along the route are provided in the Appendix.

Summary and Conclusions

This report documents the data sources and methods underpinning CPRA's interagency coastal flood risk outreach initiative. CPRA staff worked with researchers in LSU's EPRG and GDSO to identify and communicate coastal flood due to changes in the physical environmental along Louisiana's coast over the next 50 years. In particular, EPRG quantified the economic impact of current and future coastal storm surge-based risk to infrastructure and assets, as well as the public/private facilities central to the missions of three Louisiana state agencies: LDOE, LDH, and DOTD. Outputs of this research informed three agency specific story maps and fact sheets designed to improve understanding of Louisiana's current and future coastal risks and the state's Coastal Master Plan for responding to this challenge.

While impacts identified for each agency and stakeholder group differ, general findings are consistent across all categories of impact. While the state faces risks from coastal storm surge-based flooding today, those risks are expected to grow considerably more serious in a future without action. However, CPRA is working to improve resiliency through the 2017 Coastal Master Plan, and risks are expected to be significantly lower in the future with implementation of the master plan. The reality is that the 2017 Coastal Master Plan alone will not solve all the challenges facing coastal Louisiana. It will take an unprecedented effort by government, the private sector, and coastal communities to improve the sustainability of our coast. CPRA has been actively partnering with agencies across state government to improve coordination across agency missions. This study has helped expand that engagement by providing new data and communication tools to improve awareness across state government, which is but one part in a sustained long-term effort of working together to further reduce future risks.

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Table A1: Public Schools at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Acadia	Current	current	0	0	-	$ -
Acadia	Future Without Action	high	25	0	-	$ -
Acadia	Future Without Action	high	50	0	-	$ -
Acadia	Future Without Action	med	25	0	-	$ -
Acadia	Future Without Action	med	50	0	-	$ -
Acadia	Future With Plan	high	25	0	-	$ -
Acadia	Future With Plan	high	50	0	-	$ -
Acadia	Future With Plan	med	25	0	-	$ -
Acadia	Future With Plan	med	50	0	-	$ -
Ascension	Current	current	0	0	-	$ -
Ascension	Future Without Action	high	25	<5	1,300	$ 15,000,000
Ascension	Future Without Action	high	50	10	9,500	$ 126,000,000
Ascension	Future Without Action	med	25	<5	1,300	$ 15,000,000
Ascension	Future Without Action	med	50	10	4,400	$ 57,000,000
Ascension	Future With Plan	high	25	0	-	$ -
Ascension	Future With Plan	high	50	10	4,400	$ 57,000,000
Ascension	Future With Plan	med	25	0	-	$ -
Ascension	Future With Plan	med	50	<5	1,300	$ 15,000,000
Assumption	Current	current	0	0	-	$ -
Assumption	Future Without Action	high	25	<5	200	$ 3,000,000
Assumption	Future Without Action	high	50	<5	700	$ 9,000,000
Assumption	Future Without Action	med	25	<5	200	$ 3,000,000
Assumption	Future Without Action	med	50	<5	400	$ 5,000,000
Assumption	Future With Plan	high	25	<5	200	$ 3,000,000
Assumption	Future With Plan	high	50	<5	400	$ 5,000,000
Assumption	Future With Plan	med	25	<5	200	$ 3,000,000
Assumption	Future With Plan	med	50	<5	200	$ 3,000,000
Avoyelles	Current	current	0	0	-	$ -
Avoyelles	Future Without Action	high	25	0	-	$ -
Avoyelles	Future Without Action	high	50	0	-	$ -
Avoyelles	Future Without Action	med	25	0	-	$ -
Avoyelles	Future Without Action	med	50	0	-	$ -
Avoyelles	Future With Plan	high	25	0	-	$ -
Avoyelles	Future With Plan	high	50	0	-	$ -
Avoyelles	Future With Plan	med	25	0	-	$ -
Avoyelles	Future With Plan	med	50	0	-	$ -
Calcasieu	Current	current	0	0	-	$ -
Calcasieu	Future Without Action	high	25	<5	900	$ 12,000,000
Calcasieu	Future Without Action	high	50	10	3,600	$ 47,000,000
Calcasieu	Future Without Action	med	25	0	-	$ -
Calcasieu	Future Without Action	med	50	<5	1,600	$ 21,000,000
Calcasieu	Future With Plan	high	25	<5	900	$ 10,000,000
Calcasieu	Future With Plan	high	50	10	3,100	$ 41,000,000
Calcasieu	Future With Plan	med	25	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Calcasieu	Future With Plan	med	50	<5	1,600	$ 21,000,000
Cameron	Current	current	0	<5	300	$ 5,000,000
Cameron	Future Without Action	high	25	<5	300	$ 5,000,000
Cameron	Future Without Action	high	50	<5	300	$ 5,000,000
Cameron	Future Without Action	med	25	<5	300	$ 5,000,000
Cameron	Future Without Action	med	50	<5	300	$ 5,000,000
Cameron	Future With Plan	high	25	<5	300	$ 5,000,000
Cameron	Future With Plan	high	50	<5	300	$ 5,000,000
Cameron	Future With Plan	med	25	<5	300	$ 5,000,000
Cameron	Future With Plan	med	50	<5	300	$ 5,000,000
Iberia	Current	current	0	<5	500	$ 6,000,000
Iberia	Future Without Action	high	25	<5	1,100	$ 15,000,000
Iberia	Future Without Action	high	50	10	4,300	$ 56,000,000
Iberia	Future Without Action	med	25	<5	1,100	$ 15,000,000
Iberia	Future Without Action	med	50	<5	2,100	$ 28,000,000
Iberia	Future With Plan	high	25	<5	1,100	$ 13,000,000
Iberia	Future With Plan	high	50	0	-	$ -
Iberia	Future With Plan	med	25	<5	1,100	$ 13,000,000
Iberia	Future With Plan	med	50	0	-	$ -
Jefferson	Current	current	0	<5	1,100	$ 16,000,000
Jefferson	Future Without Action	high	25	<5	1,100	$ 16,000,000
Jefferson	Future Without Action	high	50	<5	1,700	$ 22,000,000
Jefferson	Future Without Action	med	25	<5	1,100	$ 16,000,000
Jefferson	Future Without Action	med	50	<5	1,100	$ 16,000,000
Jefferson	Future With Plan	high	25	<5	1,100	$ 16,000,000
Jefferson	Future With Plan	high	50	<5	1,100	$ 16,000,000
Jefferson	Future With Plan	med	25	<5	1,100	$ 16,000,000
Jefferson	Future With Plan	med	50	<5	1,100	$ 16,000,000
Jefferson Davis	Current	current	0	0	-	$ -
Jefferson Davis	Future Without Action	high	25	0	-	$ -
Jefferson Davis	Future Without Action	high	50	<5	500	$ 8,000,000
Jefferson Davis	Future Without Action	med	25	0	-	$ -
Jefferson Davis	Future Without Action	med	50	<5	500	$ 6,000,000
Jefferson Davis	Future With Plan	high	25	0	-	$ -
Jefferson Davis	Future With Plan	high	50	<5	500	$ 8,000,000
Jefferson Davis	Future With Plan	med	25	0	-	$ -
Jefferson Davis	Future With Plan	med	50	<5	500	$ 6,000,000
Lafayette	Current	current	0	0	-	$ -
Lafayette	Future Without Action	high	25	<5	700	$ 9,000,000
Lafayette	Future Without Action	high	50	<5	700	$ 9,000,000
Lafayette	Future Without Action	med	25	<5	700	$ 8,000,000
Lafayette	Future Without Action	med	50	<5	700	$ 9,000,000
Lafayette	Future With Plan	high	25	0	-	$ -
Lafayette	Future With Plan	high	50	<5	700	$ 9,000,000

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Lafayette	Future With Plan	med	25	0	-	$ -
Lafayette	Future With Plan	med	50	<5	700	$ 8,000,000
Lafourche	Current	current	0	<5	1,100	$ 14,000,000
Lafourche	Future Without Action	high	25	10	5,300	$ 68,000,000
Lafourche	Future Without Action	high	50	20	10,100	$ 140,000,000
Lafourche	Future Without Action	med	25	10	2,400	$ 33,000,000
Lafourche	Future Without Action	med	50	20	8,600	$ 116,000,000
Lafourche	Future With Plan	high	25	<5	700	$ 10,000,000
Lafourche	Future With Plan	high	50	10	3,400	$ 42,000,000
Lafourche	Future With Plan	med	25	<5	700	$ 10,000,000
Lafourche	Future With Plan	med	50	<5	1,500	$ 20,000,000
Livingston	Current	current	0	<5	300	$ 4,000,000
Livingston	Future Without Action	high	25	<5	700	$ 9,000,000
Livingston	Future Without Action	high	50	<5	700	$ 9,000,000
Livingston	Future Without Action	med	25	<5	300	$ 4,000,000
Livingston	Future Without Action	med	50	<5	700	$ 9,000,000
Livingston	Future With Plan	high	25	<5	300	$ 4,000,000
Livingston	Future With Plan	high	50	<5	700	$ 9,000,000
Livingston	Future With Plan	med	25	<5	300	$ 4,000,000
Livingston	Future With Plan	med	50	<5	300	$ 4,000,000
Orleans	Current	current	0	0	-	$ -
Orleans	Future Without Action	high	25	0	-	$ -
Orleans	Future Without Action	high	50	10	2,100	$ 27,000,000
Orleans	Future Without Action	med	25	0	-	$ -
Orleans	Future Without Action	med	50	<5	1,600	$ 20,000,000
Orleans	Future With Plan	high	25	0	-	$ -
Orleans	Future With Plan	high	50	10	2,600	$ 32,000,000
Orleans	Future With Plan	med	25	0	-	$ -
Orleans	Future With Plan	med	50	0	-	$ -
Plaquemines	Current	current	0	0	-	$ -
Plaquemines	Future Without Action	high	25	<5	1,900	$ 26,000,000
Plaquemines	Future Without Action	high	50	<5	1,900	$ 26,000,000
Plaquemines	Future Without Action	med	25	<5	1,900	$ 26,000,000
Plaquemines	Future Without Action	med	50	<5	1,900	$ 26,000,000
Plaquemines	Future With Plan	high	25	<5	1,900	$ 26,000,000
Plaquemines	Future With Plan	high	50	<5	1,900	$ 26,000,000
Plaquemines	Future With Plan	med	25	<5	1,900	$ 26,000,000
Plaquemines	Future With Plan	med	50	<5	1,900	$ 26,000,000
St. Bernard	Current	current	0	0	-	$ -
St. Bernard	Future Without Action	high	25	0	-	$ -
St. Bernard	Future Without Action	high	50	<5	300	$ 4,000,000
St. Bernard	Future Without Action	med	25	0	-	$ -
St. Bernard	Future Without Action	med	50	<5	300	$ 4,000,000
St. Bernard	Future With Plan	high	25	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
St. Bernard	Future With Plan	high	50	<5	700	$ 8,000,000
St. Bernard	Future With Plan	med	25	0	-	$ -
St. Bernard	Future With Plan	med	50	0	-	$ -
St. Charles	Current	current	0	<5	2,100	$ 25,000,000
St. Charles	Future Without Action	high	25	10	4,100	$ 57,000,000
St. Charles	Future Without Action	high	50	10	5,000	$ 69,000,000
St. Charles	Future Without Action	med	25	10	4,100	$ 57,000,000
St. Charles	Future Without Action	med	50	10	4,700	$ 65,000,000
St. Charles	Future With Plan	high	25	<5	200	$ 3,000,000
St. Charles	Future With Plan	high	50	10	4,100	$ 53,000,000
St. Charles	Future With Plan	med	25	0	-	$ -
St. Charles	Future With Plan	med	50	<5	2,300	$ 28,000,000
St. James	Current	current	0	0	-	$ -
St. James	Future Without Action	high	25	0	-	$ -
St. James	Future Without Action	high	50	<5	500	$ 6,000,000
St. James	Future Without Action	med	25	0	-	$ -
St. James	Future Without Action	med	50	<5	100	$ 2,000,000
St. James	Future With Plan	high	25	0	-	$ -
St. James	Future With Plan	high	50	<5	100	$ 2,000,000
St. James	Future With Plan	med	25	0	-	$ -
St. James	Future With Plan	med	50	0	-	$ -
St. John the Baptist	Current	current	0	<5	700	$ 8,000,000
St. John the Baptist	Future Without Action	high	25	<5	2,600	$ 36,000,000
St. John the Baptist	Future Without Action	high	50	<5	3,700	$ 51,000,000
St. John the Baptist	Future Without Action	med	25	<5	2,100	$ 30,000,000
St. John the Baptist	Future Without Action	med	50	<5	2,600	$ 37,000,000
St. John the Baptist	Future With Plan	high	25	0	-	$ -
St. John the Baptist	Future With Plan	high	50	0	-	$ -
St. John the Baptist	Future With Plan	med	25	0	-	$ -
St. John the Baptist	Future With Plan	med	50	0	-	$ -
St. Martin	Current	current	0	0	-	$ -
St. Martin	Future Without Action	high	25	<5	100	$ 2,000,000
St. Martin	Future Without Action	high	50	<5	100	$ 2,000,000
St. Martin	Future Without Action	med	25	<5	100	$ 2,000,000
St. Martin	Future Without Action	med	50	<5	100	$ 2,000,000
St. Martin	Future With Plan	high	25	<5	100	$ 2,000,000
St. Martin	Future With Plan	high	50	<5	100	$ 2,000,000
St. Martin	Future With Plan	med	25	<5	100	$ 2,000,000
St. Martin	Future With Plan	med	50	<5	100	$ 2,000,000
St. Mary	Current	current	0	<5	400	$ 5,000,000
St. Mary	Future Without Action	high	25	<5	800	$ 11,000,000
St. Mary	Future Without Action	high	50	10	4,200	$ 58,000,000
St. Mary	Future Without Action	med	25	<5	600	$ 9,000,000
St. Mary	Future Without Action	med	50	10	3,500	$ 46,000,000

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
St. Mary	Future With Plan	high	25	<5	800	$ 11,000,000
St. Mary	Future With Plan	high	50	<5	1,100	$ 14,000,000
St. Mary	Future With Plan	med	25	<5	600	$ 8,000,000
St. Mary	Future With Plan	med	50	<5	400	$ 5,000,000
St. Tammany	Current	current	0	<5	2,800	$ 38,000,000
St. Tammany	Future Without Action	high	25	10	7,700	$ 103,000,000
St. Tammany	Future Without Action	high	50	20	17,400	$ 233,000,000
St. Tammany	Future Without Action	med	25	10	7,400	$ 96,000,000
St. Tammany	Future Without Action	med	50	20	13,900	$ 181,000,000
St. Tammany	Future With Plan	high	25	<5	2,200	$ 28,000,000
St. Tammany	Future With Plan	high	50	10	10,300	$ 130,000,000
St. Tammany	Future With Plan	med	25	<5	2,200	$ 31,000,000
St. Tammany	Future With Plan	med	50	10	4,400	$ 56,000,000
Tangipahoa	Current	current	0	0	-	$ -
Tangipahoa	Future Without Action	high	25	0	-	$ -
Tangipahoa	Future Without Action	high	50	0	-	$ -
Tangipahoa	Future Without Action	med	25	0	-	$ -
Tangipahoa	Future Without Action	med	50	0	-	$ -
Tangipahoa	Future With Plan	high	25	0	-	$ -
Tangipahoa	Future With Plan	high	50	0	-	$ -
Tangipahoa	Future With Plan	med	25	0	-	$ -
Tangipahoa	Future With Plan	med	50	0	-	$ -
Terrebonne	Current	current	0	10	3,100	$ 43,000,000
Terrebonne	Future Without Action	high	25	30	11,500	$ 155,000,000
Terrebonne	Future Without Action	high	50	30	16,700	$ 228,000,000
Terrebonne	Future Without Action	med	25	30	11,500	$ 147,000,000
Terrebonne	Future Without Action	med	50	30	14,100	$ 193,000,000
Terrebonne	Future With Plan	high	25	<5	1,600	$ 20,000,000
Terrebonne	Future With Plan	high	50	20	8,700	$ 117,000,000
Terrebonne	Future With Plan	med	25	<5	1,600	$ 20,000,000
Terrebonne	Future With Plan	med	50	10	5,300	$ 70,000,000
Vermillion	Current	current	0	<5	300	$ 4,000,000
Vermillion	Future Without Action	high	25	10	2,600	$ 36,000,000
Vermillion	Future Without Action	high	50	10	4,600	$ 62,000,000
Vermillion	Future Without Action	med	25	10	2,600	$ 34,000,000
Vermillion	Future Without Action	med	50	10	3,500	$ 48,000,000
Vermillion	Future With Plan	high	25	10	2,600	$ 34,000,000
Vermillion	Future With Plan	high	50	<5	1,300	$ 17,000,000
Vermillion	Future With Plan	med	25	<5	1,300	$ 18,000,000
Vermillion	Future With Plan	med	50	<5	800	$ 11,000,000

Table A2: Enrollment Detail for Public Schools at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Economically Disadvantaged Students	Limited English Proficiency Students	Students with Disabilities
Acadia	Current	current	0	0	0	0
Acadia	Future Without Action	high	25	0	0	0
Acadia	Future Without Action	high	50	0	0	0
Acadia	Future Without Action	med	25	0	0	0
Acadia	Future Without Action	med	50	0	0	0
Acadia	Future With Plan	high	25	0	0	0
Acadia	Future With Plan	high	50	0	0	0
Acadia	Future With Plan	med	25	0	0	0
Acadia	Future With Plan	med	50	0	0	0
Ascension	Current	current	0	0	0	0
Ascension	Future Without Action	high	25	700	0	100
Ascension	Future Without Action	high	50	4900	300	900
Ascension	Future Without Action	med	25	700	0	100
Ascension	Future Without Action	med	50	1900	100	400
Ascension	Future With Plan	high	25	0	0	0
Ascension	Future With Plan	high	50	1900	100	400
Ascension	Future With Plan	med	25	0	0	0
Ascension	Future With Plan	med	50	700	0	100
Assumption	Current	current	0	0	0	0
Assumption	Future Without Action	high	25	100	0	0
Assumption	Future Without Action	high	50	400	0	100
Assumption	Future Without Action	med	25	100	0	0
Assumption	Future Without Action	med	50	200	0	0
Assumption	Future With Plan	high	25	100	0	0
Assumption	Future With Plan	high	50	200	0	0
Assumption	Future With Plan	med	25	100	0	0
Assumption	Future With Plan	med	50	100	0	0
Avoyelles	Current	current	0	0	0	0
Avoyelles	Future Without Action	high	25	0	0	0
Avoyelles	Future Without Action	high	50	0	0	0
Avoyelles	Future Without Action	med	25	0	0	0
Avoyelles	Future Without Action	med	50	0	0	0
Avoyelles	Future With Plan	high	25	0	0	0
Avoyelles	Future With Plan	high	50	0	0	0
Avoyelles	Future With Plan	med	25	0	0	0
Avoyelles	Future With Plan	med	50	0	0	0
Calcasieu	Current	current	0	0	0	0
Calcasieu	Future Without Action	high	25	700	0	100
Calcasieu	Future Without Action	high	50	2500	100	500
Calcasieu	Future Without Action	med	25	0	0	0
Calcasieu	Future Without Action	med	50	1100	100	200
Calcasieu	Future With Plan	high	25	700	0	100
Calcasieu	Future With Plan	high	50	2100	100	400
Calcasieu	Future With Plan	med	25	0	0	0

Parish	Condition	Scenario	Year	Economically Disadvantaged Students	Limited English Proficiency Students	Students with Disabilities
Calcasieu	Future With Plan	med	50	1100	100	200
Cameron	Current	current	0	200	0	0
Cameron	Future Without Action	high	25	200	0	0
Cameron	Future Without Action	high	50	200	0	0
Cameron	Future Without Action	med	25	200	0	0
Cameron	Future Without Action	med	50	200	0	0
Cameron	Future With Plan	high	25	200	0	0
Cameron	Future With Plan	high	50	200	0	0
Cameron	Future With Plan	med	25	200	0	0
Cameron	Future With Plan	med	50	200	0	0
Iberia	Current	current	0	300	0	0
Iberia	Future Without Action	high	25	600	0	100
Iberia	Future Without Action	high	50	2900	100	500
Iberia	Future Without Action	med	25	600	0	100
Iberia	Future Without Action	med	50	1400	100	200
Iberia	Future With Plan	high	25	600	0	100
Iberia	Future With Plan	high	50	0	0	0
Iberia	Future With Plan	med	25	600	0	100
Iberia	Future With Plan	med	50	0	0	0
Jefferson	Current	current	0	700	0	100
Jefferson	Future Without Action	high	25	700	0	100
Jefferson	Future Without Action	high	50	1200	300	200
Jefferson	Future Without Action	med	25	700	0	100
Jefferson	Future Without Action	med	50	700	0	100
Jefferson	Future With Plan	high	25	700	0	100
Jefferson	Future With Plan	high	50	700	0	100
Jefferson	Future With Plan	med	25	700	0	100
Jefferson	Future With Plan	med	50	700	0	100
Jefferson Davis	Current	current	0	0	0	0
Jefferson Davis	Future Without Action	high	25	0	0	0
Jefferson Davis	Future Without Action	high	50	300	0	0
Jefferson Davis	Future Without Action	med	25	0	0	0
Jefferson Davis	Future Without Action	med	50	300	0	0
Jefferson Davis	Future With Plan	high	25	0	0	0
Jefferson Davis	Future With Plan	high	50	300	0	0
Jefferson Davis	Future With Plan	med	25	0	0	0
Jefferson Davis	Future With Plan	med	50	300	0	0
Lafayette	Current	current	0	0	0	0
Lafayette	Future Without Action	high	25	400	100	100
Lafayette	Future Without Action	high	50	400	100	100
Lafayette	Future Without Action	med	25	400	100	100
Lafayette	Future Without Action	med	50	400	100	100
Lafayette	Future With Plan	high	25	0	0	0
Lafayette	Future With Plan	high	50	400	100	100
Lafayette	Future With Plan	med	25	0	0	0

Parish	Condition	Scenario	Year	Economically Disadvantaged Students	Limited English Proficiency Students	Students with Disabilities
Lafayette	Future With Plan	med	50	400	100	100
Lafourche	Current	current	0	600	0	100
Lafourche	Future Without Action	high	25	3300	200	400
Lafourche	Future Without Action	high	50	6300	300	700
Lafourche	Future Without Action	med	25	1500	0	200
Lafourche	Future Without Action	med	50	5300	300	600
Lafourche	Future With Plan	high	25	500	0	100
Lafourche	Future With Plan	high	50	2000	100	300
Lafourche	Future With Plan	med	25	500	0	100
Lafourche	Future With Plan	med	50	900	0	100
Livingston	Current	current	0	100	0	0
Livingston	Future Without Action	high	25	300	0	100
Livingston	Future Without Action	high	50	300	0	100
Livingston	Future Without Action	med	25	100	0	0
Livingston	Future Without Action	med	50	300	0	100
Livingston	Future With Plan	high	25	100	0	0
Livingston	Future With Plan	high	50	300	0	100
Livingston	Future With Plan	med	25	100	0	0
Livingston	Future With Plan	med	50	100	0	0
Orleans	Current	current	0	0	0	0
Orleans	Future Without Action	high	25	0	0	0
Orleans	Future Without Action	high	50	1900	300	300
Orleans	Future Without Action	med	25	0	0	0
Orleans	Future Without Action	med	50	1500	100	300
Orleans	Future With Plan	high	25	0	0	0
Orleans	Future With Plan	high	50	2400	100	400
Orleans	Future With Plan	med	25	0	0	0
Orleans	Future With Plan	med	50	0	0	0
Plaquemines	Current	current	0	0	0	0
Plaquemines	Future Without Action	high	25	1300	100	300
Plaquemines	Future Without Action	high	50	1300	100	300
Plaquemines	Future Without Action	med	25	1300	100	300
Plaquemines	Future Without Action	med	50	1300	100	300
Plaquemines	Future With Plan	high	25	1300	100	300
Plaquemines	Future With Plan	high	50	1300	100	300
Plaquemines	Future With Plan	med	25	1300	100	300
Plaquemines	Future With Plan	med	50	1300	100	300
St. Bernard	Current	current	0	0	0	0
St. Bernard	Future Without Action	high	25	0	0	0
St. Bernard	Future Without Action	high	50	300	0	0
St. Bernard	Future Without Action	med	25	0	0	0
St. Bernard	Future Without Action	med	50	300	0	0
St. Bernard	Future With Plan	high	25	0	0	0
St. Bernard	Future With Plan	high	50	600	0	100
St. Bernard	Future With Plan	med	25	0	0	0

Parish	Condition	Scenario	Year	Economically Disadvantaged Students	Limited English Proficiency Students	Students with Disabilities
St. Bernard	Future With Plan	med	50	0	0	0
St. Charles	Current	current	0	1000	0	200
St. Charles	Future Without Action	high	25	2000	0	400
St. Charles	Future Without Action	high	50	2700	100	500
St. Charles	Future Without Action	med	25	2000	0	400
St. Charles	Future Without Action	med	50	2500	100	500
St. Charles	Future With Plan	high	25	100	0	0
St. Charles	Future With Plan	high	50	2000	0	400
St. Charles	Future With Plan	med	25	0	0	0
St. Charles	Future With Plan	med	50	1100	0	200
St. James	Current	current	0	0	0	0
St. James	Future Without Action	high	25	0	0	0
St. James	Future Without Action	high	50	300	0	100
St. James	Future Without Action	med	25	0	0	0
St. James	Future Without Action	med	50	100	0	0
St. James	Future With Plan	high	25	0	0	0
St. James	Future With Plan	high	50	100	0	0
St. James	Future With Plan	med	25	0	0	0
St. James	Future With Plan	med	50	0	0	0
St. John the Baptist	Current	current	0	500	0	100
St. John the Baptist	Future Without Action	high	25	2100	100	300
St. John the Baptist	Future Without Action	high	50	3000	100	400
St. John the Baptist	Future Without Action	med	25	1700	100	200
St. John the Baptist	Future Without Action	med	50	2100	100	300
St. John the Baptist	Future With Plan	high	25	0	0	0
St. John the Baptist	Future With Plan	high	50	0	0	0
St. John the Baptist	Future With Plan	med	25	0	0	0
St. John the Baptist	Future With Plan	med	50	0	0	0
St. Martin	Current	current	0	0	0	0
St. Martin	Future Without Action	high	25	100	0	0
St. Martin	Future Without Action	high	50	100	0	0
St. Martin	Future Without Action	med	25	100	0	0
St. Martin	Future Without Action	med	50	100	0	0
St. Martin	Future With Plan	high	25	100	0	0
St. Martin	Future With Plan	high	50	100	0	0
St. Martin	Future With Plan	med	25	100	0	0
St. Martin	Future With Plan	med	50	100	0	0
St. Mary	Current	current	0	300	0	0
St. Mary	Future Without Action	high	25	700	0	100
St. Mary	Future Without Action	high	50	3300	400	600
St. Mary	Future Without Action	med	25	500	0	100
St. Mary	Future Without Action	med	50	2800	300	400
St. Mary	Future With Plan	high	25	700	0	100
St. Mary	Future With Plan	high	50	900	100	100
St. Mary	Future With Plan	med	25	500	0	100

Parish	Condition	Scenario	Year	Economically Disadvantaged Students	Limited English Proficiency Students	Students with Disabilities
St. Mary	Future With Plan	med	50	300	0	0
St. Tammany	Current	current	0	1600	100	400
St. Tammany	Future Without Action	high	25	4300	200	1300
St. Tammany	Future Without Action	high	50	9000	400	2600
St. Tammany	Future Without Action	med	25	4400	200	1300
St. Tammany	Future Without Action	med	50	7200	400	2100
St. Tammany	Future With Plan	high	25	900	100	300
St. Tammany	Future With Plan	high	50	4400	300	1500
St. Tammany	Future With Plan	med	25	900	100	300
St. Tammany	Future With Plan	med	50	1900	100	700
Tangipahoa	Current	current	0	0	0	0
Tangipahoa	Future Without Action	high	25	0	0	0
Tangipahoa	Future Without Action	high	50	0	0	0
Tangipahoa	Future Without Action	med	25	0	0	0
Tangipahoa	Future Without Action	med	50	0	0	0
Tangipahoa	Future With Plan	high	25	0	0	0
Tangipahoa	Future With Plan	high	50	0	0	0
Tangipahoa	Future With Plan	med	25	0	0	0
Tangipahoa	Future With Plan	med	50	0	0	0
Terrebonne	Current	current	0	2300	100	400
Terrebonne	Future Without Action	high	25	8500	500	1200
Terrebonne	Future Without Action	high	50	11800	600	1700
Terrebonne	Future Without Action	med	25	8500	500	1200
Terrebonne	Future Without Action	med	50	10000	600	1400
Terrebonne	Future With Plan	high	25	1100	100	200
Terrebonne	Future With Plan	high	50	6400	400	900
Terrebonne	Future With Plan	med	25	1100	100	200
Terrebonne	Future With Plan	med	50	3800	200	600
Vermillion	Current	current	0	200	0	100
Vermillion	Future Without Action	high	25	1400	0	300
Vermillion	Future Without Action	high	50	2800	100	600
Vermillion	Future Without Action	med	25	1400	0	300
Vermillion	Future Without Action	med	50	2100	100	400
Vermillion	Future With Plan	high	25	1400	0	300
Vermillion	Future With Plan	high	50	800	0	200
Vermillion	Future With Plan	med	25	700	0	200
Vermillion	Future With Plan	med	50	500	0	100

Table A3: Nonpublic Schools at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Acadia	Current	current	0	0	-	$ -
Acadia	Future Without Action	high	25	0	-	$ -
Acadia	Future Without Action	high	50	0	-	$ -
Acadia	Future Without Action	med	25	0	-	$ -
Acadia	Future Without Action	med	50	0	-	$ -
Acadia	Future With Plan	high	25	0	-	$ -
Acadia	Future With Plan	high	50	0	-	$ -
Acadia	Future With Plan	med	25	0	-	$ -
Acadia	Future With Plan	med	50	0	-	$ -
Ascension	Current	current	0	0	-	$ -
Ascension	Future Without Action	high	25	0	-	$ -
Ascension	Future Without Action	high	50	<5	300	$ 4,000,000
Ascension	Future Without Action	med	25	0	-	$ -
Ascension	Future Without Action	med	50	0	-	$ -
Ascension	Future With Plan	high	25	0	-	$ -
Ascension	Future With Plan	high	50	0	-	$ -
Ascension	Future With Plan	med	25	0	-	$ -
Ascension	Future With Plan	med	50	0	-	$ -
Assumption	Current	current	0	0	-	$ -
Assumption	Future Without Action	high	25	0	-	$ -
Assumption	Future Without Action	high	50	0	-	$ -
Assumption	Future Without Action	med	25	0	-	$ -
Assumption	Future Without Action	med	50	0	-	$ -
Assumption	Future With Plan	high	25	0	-	$ -
Assumption	Future With Plan	high	50	0	-	$ -
Assumption	Future With Plan	med	25	0	-	$ -
Assumption	Future With Plan	med	50	0	-	$ -
Avoyelles	Current	current	0	0	-	$ -
Avoyelles	Future Without Action	high	25	0	-	$ -
Avoyelles	Future Without Action	high	50	0	-	$ -
Avoyelles	Future Without Action	med	25	0	-	$ -
Avoyelles	Future Without Action	med	50	0	-	$ -
Avoyelles	Future With Plan	high	25	0	-	$ -
Avoyelles	Future With Plan	high	50	0	-	$ -
Avoyelles	Future With Plan	med	25	0	-	$ -
Avoyelles	Future With Plan	med	50	0	-	$ -
Calcasieu	Current	current	0	0	-	$ -
Calcasieu	Future Without Action	high	25	0	-	$ -
Calcasieu	Future Without Action	high	50	<5	1,200	$ 15,000,000
Calcasieu	Future Without Action	med	25	0	-	$ -
Calcasieu	Future Without Action	med	50	0	-	$ -
Calcasieu	Future With Plan	high	25	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Calcasieu	Future With Plan	high	50	<5	1,000	$ 13,000,000
Calcasieu	Future With Plan	med	25	0	-	$ -
Calcasieu	Future With Plan	med	50	0	-	$ -
Cameron	Current	current	0	0	-	$ -
Cameron	Future Without Action	high	25	0	-	$ -
Cameron	Future Without Action	high	50	0	-	$ -
Cameron	Future Without Action	med	25	0	-	$ -
Cameron	Future Without Action	med	50	0	-	$ -
Cameron	Future With Plan	high	25	0	-	$ -
Cameron	Future With Plan	high	50	0	-	$ -
Cameron	Future With Plan	med	25	0	-	$ -
Cameron	Future With Plan	med	50	0	-	$ -
Iberia	Current	current	0	0	-	$ -
Iberia	Future Without Action	high	25	0	-	$ -
Iberia	Future Without Action	high	50	0	-	$ -
Iberia	Future Without Action	med	25	0	-	$ -
Iberia	Future Without Action	med	50	0	-	$ -
Iberia	Future With Plan	high	25	0	-	$ -
Iberia	Future With Plan	high	50	0	-	$ -
Iberia	Future With Plan	med	25	0	-	$ -
Iberia	Future With Plan	med	50	0	-	$ -
Jefferson	Current	current	0	<5	-	$ 1,000,000
Jefferson	Future Without Action	high	25	<5	-	$ 1,000,000
Jefferson	Future Without Action	high	50	<5	300	$ 4,000,000
Jefferson	Future Without Action	med	25	<5	-	$ 1,000,000
Jefferson	Future Without Action	med	50	<5	-	$ 1,000,000
Jefferson	Future With Plan	high	25	<5	-	$ 1,000,000
Jefferson	Future With Plan	high	50	<5	-	$ 1,000,000
Jefferson	Future With Plan	med	25	<5	-	$ 1,000,000
Jefferson	Future With Plan	med	50	<5	-	$ 1,000,000
Jefferson Davis	Current	current	0	0	-	$ -
Jefferson Davis	Future Without Action	high	25	0	-	$ -
Jefferson Davis	Future Without Action	high	50	0	-	$ -
Jefferson Davis	Future Without Action	med	25	0	-	$ -
Jefferson Davis	Future Without Action	med	50	0	-	$ -
Jefferson Davis	Future With Plan	high	25	0	-	$ -
Jefferson Davis	Future With Plan	high	50	0	-	$ -
Jefferson Davis	Future With Plan	med	25	0	-	$ -
Jefferson Davis	Future With Plan	med	50	0	-	$ -
Lafayette	Current	current	0	0	-	$ -
Lafayette	Future Without Action	high	25	0	-	$ -
Lafayette	Future Without Action	high	50	0	-	$ -
Lafayette	Future Without Action	med	25	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Lafayette	Future Without Action	med	50	0	-	$ -
Lafayette	Future With Plan	high	25	0	-	$ -
Lafayette	Future With Plan	high	50	0	-	$ -
Lafayette	Future With Plan	med	25	0	-	$ -
Lafayette	Future With Plan	med	50	0	-	$ -
Lafourche	Current	current	0	0	-	$ -
Lafourche	Future Without Action	high	25	<5	100	$ 2,000,000
Lafourche	Future Without Action	high	50	<5	600	$ 8,000,000
Lafourche	Future Without Action	med	25	<5	100	$ 2,000,000
Lafourche	Future Without Action	med	50	<5	300	$ 5,000,000
Lafourche	Future With Plan	high	25	0	-	$ -
Lafourche	Future With Plan	high	50	0	-	$ -
Lafourche	Future With Plan	med	25	0	-	$ -
Lafourche	Future With Plan	med	50	0	-	$ -
Livingston	Current	current	0	0	-	$ -
Livingston	Future Without Action	high	25	0	-	$ -
Livingston	Future Without Action	high	50	0	-	$ -
Livingston	Future Without Action	med	25	0	-	$ -
Livingston	Future Without Action	med	50	0	-	$ -
Livingston	Future With Plan	high	25	0	-	$ -
Livingston	Future With Plan	high	50	0	-	$ -
Livingston	Future With Plan	med	25	0	-	$ -
Livingston	Future With Plan	med	50	0	-	$ -
Orleans	Current	current	0	0	-	$ -
Orleans	Future Without Action	high	25	<5	500	$ 6,000,000
Orleans	Future Without Action	high	50	10	600	$ 8,000,000
Orleans	Future Without Action	med	25	0	-	$ -
Orleans	Future Without Action	med	50	10	500	$ 7,000,000
Orleans	Future With Plan	high	25	0	-	$ -
Orleans	Future With Plan	high	50	<5	500	$ 6,000,000
Orleans	Future With Plan	med	25	0	-	$ -
Orleans	Future With Plan	med	50	0	-	$ -
Plaquemines	Current	current	0	0	-	$ -
Plaquemines	Future Without Action	high	25	0	-	$ -
Plaquemines	Future Without Action	high	50	0	-	$ -
Plaquemines	Future Without Action	med	25	0	-	$ -
Plaquemines	Future Without Action	med	50	0	-	$ -
Plaquemines	Future With Plan	high	25	0	-	$ -
Plaquemines	Future With Plan	high	50	0	-	$ -
Plaquemines	Future With Plan	med	25	0	-	$ -
Plaquemines	Future With Plan	med	50	0	-	$ -
St. Bernard	Current	current	0	0	-	$ -
St. Bernard	Future Without Action	high	25	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
St. Bernard	Future Without Action	high	50	<5	200	$ 2,000,000
St. Bernard	Future Without Action	med	25	0	-	$ -
St. Bernard	Future Without Action	med	50	<5	200	$ 2,000,000
St. Bernard	Future With Plan	high	25	0	-	$ -
St. Bernard	Future With Plan	high	50	<5	200	$ 2,000,000
St. Bernard	Future With Plan	med	25	0	-	$ -
St. Bernard	Future With Plan	med	50	0	-	$ -
St. Charles	Current	current	0	0	-	$ -
St. Charles	Future Without Action	high	25	<5	200	$ 2,000,000
St. Charles	Future Without Action	high	50	<5	200	$ 3,000,000
St. Charles	Future Without Action	med	25	0	-	$ -
St. Charles	Future Without Action	med	50	<5	200	$ 2,000,000
St. Charles	Future With Plan	high	25	0	-	$ -
St. Charles	Future With Plan	high	50	0	-	$ -
St. Charles	Future With Plan	med	25	0	-	$ -
St. Charles	Future With Plan	med	50	0	-	$ -
St. James	Current	current	0	0	-	$ -
St. James	Future Without Action	high	25	0	-	$ -
St. James	Future Without Action	high	50	0	-	$ -
St. James	Future Without Action	med	25	0	-	$ -
St. James	Future Without Action	med	50	0	-	$ -
St. James	Future With Plan	high	25	0	-	$ -
St. James	Future With Plan	high	50	0	-	$ -
St. James	Future With Plan	med	25	0	-	$ -
St. James	Future With Plan	med	50	0	-	$ -
St. John the Baptist	Current	current	0	0	-	$ -
St. John the Baptist	Future Without Action	high	25	<5	200	$ 3,000,000
St. John the Baptist	Future Without Action	high	50	<5	700	$ 10,000,000
St. John the Baptist	Future Without Action	med	25	<5	200	$ 3,000,000
St. John the Baptist	Future Without Action	med	50	<5	700	$ 10,000,000
St. John the Baptist	Future With Plan	high	25	0	-	$ -
St. John the Baptist	Future With Plan	high	50	0	-	$ -
St. John the Baptist	Future With Plan	med	25	0	-	$ -
St. John the Baptist	Future With Plan	med	50	0	-	$ -
St. Martin	Current	current	0	0	-	$ -
St. Martin	Future Without Action	high	25	0	-	$ -
St. Martin	Future Without Action	high	50	0	-	$ -
St. Martin	Future Without Action	med	25	0	-	$ -
St. Martin	Future Without Action	med	50	0	-	$ -
St. Martin	Future With Plan	high	25	0	-	$ -
St. Martin	Future With Plan	high	50	0	-	$ -
St. Martin	Future With Plan	med	25	0	-	$ -
St. Martin	Future With Plan	med	50	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
St. Mary	Current	current	0	0	-	$ -
St. Mary	Future Without Action	high	25	0	-	$ -
St. Mary	Future Without Action	high	50	<5	600	$ 8,000,000
St. Mary	Future Without Action	med	25	0	-	$ -
St. Mary	Future Without Action	med	50	<5	400	$ 6,000,000
St. Mary	Future With Plan	high	25	0	-	$ -
St. Mary	Future With Plan	high	50	0	-	$ -
St. Mary	Future With Plan	med	25	0	-	$ -
St. Mary	Future With Plan	med	50	0	-	$ -
St. Tammany	Current	current	0	<5	1,300	$ 17,000,000
St. Tammany	Future Without Action	high	25	10	1,300	$ 19,000,000
St. Tammany	Future Without Action	high	50	10	1,300	$ 19,000,000
St. Tammany	Future Without Action	med	25	<5	1,300	$ 19,000,000
St. Tammany	Future Without Action	med	50	10	1,300	$ 19,000,000
St. Tammany	Future With Plan	high	25	<5	700	$ 8,000,000
St. Tammany	Future With Plan	high	50	<5	700	$ 10,000,000
St. Tammany	Future With Plan	med	25	<5	700	$ 8,000,000
St. Tammany	Future With Plan	med	50	<5	700	$ 9,000,000
Tangipahoa	Current	current	0	0	-	$ -
Tangipahoa	Future Without Action	high	25	0	-	$ -
Tangipahoa	Future Without Action	high	50	0	-	$ -
Tangipahoa	Future Without Action	med	25	0	-	$ -
Tangipahoa	Future Without Action	med	50	0	-	$ -
Tangipahoa	Future With Plan	high	25	0	-	$ -
Tangipahoa	Future With Plan	high	50	0	-	$ -
Tangipahoa	Future With Plan	med	25	0	-	$ -
Tangipahoa	Future With Plan	med	50	0	-	$ -
Terrebonne	Current	current	0	0	-	$ -
Terrebonne	Future Without Action	high	25	<5	300	$ 4,000,000
Terrebonne	Future Without Action	high	50	10	3,600	$ 50,000,000
Terrebonne	Future Without Action	med	25	<5	100	$ 2,000,000
Terrebonne	Future Without Action	med	50	10	3,600	$ 48,000,000
Terrebonne	Future With Plan	high	25	0	-	$ -
Terrebonne	Future With Plan	high	50	<5	1,200	$ 16,000,000
Terrebonne	Future With Plan	med	25	0	-	$ -
Terrebonne	Future With Plan	med	50	<5	100	$ 2,000,000
Vermillion	Current	current	0	0	-	$ -
Vermillion	Future Without Action	high	25	0	-	$ -
Vermillion	Future Without Action	high	50	0	-	$ -
Vermillion	Future Without Action	med	25	0	-	$ -
Vermillion	Future Without Action	med	50	0	-	$ -
Vermillion	Future With Plan	high	25	0	-	$ -
Vermillion	Future With Plan	high	50	0	-	$ -

Parish	Condition	Scenario	Year	Number of Schools	Enrollment	Repair and Rebuild Costs
Vermillion	Future With Plan	med	25	0	-	$ -
Vermillion	Future With Plan	med	50	0	-	$ -

Table A4: Early Childhood Education Centers at Higher Risk of Coastal Flooding by Parish

Parish	Scenario	Year	Total Flooded Childcare	Total Flooded Capacity	Damage Costs
Ascension	current	0	0	0	0
Ascension	high	25	0	0	0
Ascension	high	50	10	1100	2100000
Ascension	med	25	0	0	0
Ascension	med	50	10	400	800000
Ascension	high	25	0	0	0
Ascension	high	50	10	400	800000
Ascension	med	25	0	0	0
Ascension	med	50	0	0	0
Assumption	current	0	0	0	0
Assumption	high	25	0	0	0
Assumption	high	50	<5	100	200000
Assumption	med	25	0	0	0
Assumption	med	50	<5	100	200000
Assumption	high	25	0	0	0
Assumption	high	50	<5	100	200000
Assumption	med	25	0	0	0
Assumption	med	50	<5	100	200000
Calcasieu	current	0	0	0	0
Calcasieu	high	25	0	0	0
Calcasieu	high	50	10	300	800000
Calcasieu	med	25	0	0	0
Calcasieu	med	50	0	0	0
Calcasieu	high	25	0	0	0
Calcasieu	high	50	10	300	800000
Calcasieu	med	25	0	0	0
Calcasieu	med	50	0	0	0
Cameron	current	0	<5	100	300000
Cameron	high	25	<5	100	500000
Cameron	high	50	<5	100	500000
Cameron	med	25	<5	100	500000
Cameron	med	50	<5	100	500000
Cameron	high	25	<5	100	500000
Cameron	high	50	<5	100	500000
Cameron	med	25	<5	100	500000
Cameron	med	50	<5	100	500000
Iberia	current	0	0	0	0
Iberia	high	25	0	0	0
Iberia	high	50	<5	<50	200000
Iberia	med	25	0	0	0
Iberia	med	50	<5	<50	100000
Iberia	high	25	0	0	0
Iberia	high	50	0	0	0

Parish	Scenario	Year	Total Flooded Childcare	Total Flooded Capacity	Damage Costs
Iberia	med	25	0	0	0
Iberia	med	50	0	0	0
Jefferson	current	0	<5	<50	300000
Jefferson	high	25	<5	<50	300000
Jefferson	high	50	10	100	800000
Jefferson	med	25	<5	<50	300000
Jefferson	med	50	<5	<50	300000
Jefferson	high	25	<5	<50	300000
Jefferson	high	50	<5	<50	300000
Jefferson	med	25	<5	<50	300000
Jefferson	med	50	<5	<50	300000
Jefferson Davis	current	0	0	0	0
Jefferson Davis	high	25	0	0	0
Jefferson Davis	high	50	0	0	0
Jefferson Davis	med	25	0	0	0
Jefferson Davis	med	50	0	0	0
Jefferson Davis	high	25	0	0	0
Jefferson Davis	high	50	0	0	0
Jefferson Davis	med	25	0	0	0
Jefferson Davis	med	50	0	0	0
Lafayette	current	0	0	0	0
Lafayette	high	25	0	0	0
Lafayette	high	50	<5	100	200000
Lafayette	med	25	0	0	0
Lafayette	med	50	0	0	0
Lafayette	high	25	0	0	0
Lafayette	high	50	0	0	0
Lafayette	med	25	0	0	0
Lafayette	med	50	0	0	0
Lafourche	current	0	0	0	0
Lafourche	high	25	<5	200	500000
Lafourche	high	50	10	700	2200000
Lafourche	med	25	<5	100	300000
Lafourche	med	50	10	500	1500000
Lafourche	high	25	0	0	0
Lafourche	high	50	10	300	800000
Lafourche	med	25	0	0	0
Lafourche	med	50	<5	100	200000
Livingston	current	0	0	0	0
Livingston	high	25	0	0	0
Livingston	high	50	<5	100	200000
Livingston	med	25	0	0	0
Livingston	med	50	0	0	0
Livingston	high	25	0	0	0

Parish	Scenario	Year	Total Flooded Childcare	Total Flooded Capacity	Damage Costs
Livingston	high	50	0	0	0
Livingston	med	25	0	0	0
Livingston	med	50	0	0	0
Orleans	current	0	0	0	0
Orleans	high	25	0	0	0
Orleans	high	50	20	900	3200000
Orleans	med	25	0	0	0
Orleans	med	50	10	600	1500000
Orleans	high	25	0	0	0
Orleans	high	50	10	400	1200000
Orleans	med	25	0	0	0
Orleans	med	50	0	0	0
Plaquemines	current	0	0	0	0
Plaquemines	high	25	<5	<50	200000
Plaquemines	high	50	<5	<50	200000
Plaquemines	med	25	<5	<50	200000
Plaquemines	med	50	<5	<50	200000
Plaquemines	high	25	<5	<50	200000
Plaquemines	high	50	<5	<50	200000
Plaquemines	med	25	<5	<50	200000
Plaquemines	med	50	<5	<50	200000
St. Bernard	current	0	0	0	0
St. Bernard	high	25	0	0	0
St. Bernard	high	50	0	0	0
St. Bernard	med	25	0	0	0
St. Bernard	med	50	0	0	0
St. Bernard	high	25	0	0	0
St. Bernard	high	50	0	0	0
St. Bernard	med	25	0	0	0
St. Bernard	med	50	0	0	0
St. Charles	current	0	<5	200	400000
St. Charles	high	25	10	400	1000000
St. Charles	high	50	10	500	1500000
St. Charles	med	25	10	400	1000000
St. Charles	med	50	10	500	1400000
St. Charles	high	25	<5	0	200000
St. Charles	high	50	10	400	1000000
St. Charles	med	25	<5	0	200000
St. Charles	med	50	<5	100	300000
St. James	current	0	0	0	0
St. James	high	25	0	0	0
St. James	high	50	<5	<50	200000
St. James	med	25	0	0	0
St. James	med	50	0	0	0

Parish	Scenario	Year	Total Flooded Childcare	Total Flooded Capacity	Damage Costs
St. James	high	25	0	0	0
St. James	high	50	0	0	0
St. James	med	25	0	0	0
St. James	med	50	0	0	0
St. John	current	0	<5	100	500000
St. John	high	25	10	300	1200000
St. John	high	50	10	700	2100000
St. John	med	25	10	300	1000000
St. John	med	50	10	400	1500000
St. John	high	25	0	0	0
St. John	high	50	0	0	0
St. John	med	25	0	0	0
St. John	med	50	0	0	0
St. Mary	current	0	0	0	0
St. Mary	high	25	0	0	0
St. Mary	high	50	10	300	1000000
St. Mary	med	25	0	0	0
St. Mary	med	50	10	300	800000
St. Mary	high	25	0	0	0
St. Mary	high	50	<5	<50	100000
St. Mary	med	25	0	0	0
St. Mary	med	50	0	0	0
St. Tammany	current	0	10	900	1700000
St. Tammany	high	25	20	1600	3400000
St. Tammany	high	50	30	2200	4300000
St. Tammany	med	25	20	1500	3200000
St. Tammany	med	50	20	1900	4000000
St. Tammany	high	25	10	1000	2000000
St. Tammany	high	50	20	1500	2800000
St. Tammany	med	25	10	600	1300000
St. Tammany	med	50	10	1000	2200000
Tangipahoa	current	0	0	0	0
Tangipahoa	high	25	0	0	0
Tangipahoa	high	50	0	0	0
Tangipahoa	med	25	0	0	0
Tangipahoa	med	50	0	0	0
Tangipahoa	high	25	0	0	0
Tangipahoa	high	50	0	0	0
Tangipahoa	med	25	0	0	0
Tangipahoa	med	50	0	0	0
Terrebonne	current	0	<5	<50	200000
Terrebonne	high	25	20	700	2500000
Terrebonne	high	50	30	1800	5500000
Terrebonne	med	25	20	700	2400000

Parish	Scenario	Year	Total Flooded Childcare	Total Flooded Capacity	Damage Costs
Terrebonne	med	50	30	1500	4700000
Terrebonne	high	25	0	0	0
Terrebonne	high	50	20	700	2800000
Terrebonne	med	25	0	0	0
Terrebonne	med	50	10	200	900000
Vermilion	current	0	<5	100	500000
Vermilion	high	25	<5	200	700000
Vermilion	high	50	10	600	2100000
Vermilion	med	25	<5	200	700000
Vermilion	med	50	10	200	900000
Vermilion	high	25	<5	200	700000
Vermilion	high	50	<5	100	500000
Vermilion	med	25	<5	200	600000
Vermilion	med	50	<5	100	500000

Table A5: Hospitals at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Number of Hospitals at Higher Risk
Ascension	Current	Current	0	0
Ascension	Future Without Action	Med	25	0
Ascension	Future With Plan	Med	25	0
Ascension	Future Without Action	High	25	0
Ascension	Future With Plan	High	25	0
Ascension	Future Without Action	Med	50	0
Ascension	Future With Plan	Med	50	0
Ascension	Future Without Action	High	50	2
Ascension	Future With Plan	High	50	0
Assumption	Current	Current	0	0
Assumption	Future Without Action	Med	25	0
Assumption	Future With Plan	Med	25	0
Assumption	Future Without Action	High	25	0
Assumption	Future With Plan	High	25	0
Assumption	Future Without Action	Med	50	0
Assumption	Future With Plan	Med	50	0
Assumption	Future Without Action	High	50	0
Assumption	Future With Plan	High	50	0
Calcasieu	Current	Current	0	0
Calcasieu	Future Without Action	Med	25	0
Calcasieu	Future With Plan	Med	25	0
Calcasieu	Future Without Action	High	25	0
Calcasieu	Future With Plan	High	25	0
Calcasieu	Future Without Action	Med	50	0
Calcasieu	Future With Plan	Med	50	0
Calcasieu	Future Without Action	High	50	1
Calcasieu	Future With Plan	High	50	1
Cameron	Current	Current	0	1
Cameron	Future Without Action	Med	25	1
Cameron	Future With Plan	Med	25	1
Cameron	Future Without Action	High	25	1
Cameron	Future With Plan	High	25	1
Cameron	Future Without Action	Med	50	1
Cameron	Future With Plan	Med	50	1
Cameron	Future Without Action	High	50	1
Cameron	Future With Plan	High	50	1
Iberia	Current	Current	0	0
Iberia	Future Without Action	Med	25	0
Iberia	Future With Plan	Med	25	0
Iberia	Future Without Action	High	25	0
Iberia	Future With Plan	High	25	0
Iberia	Future Without Action	Med	50	0

Parish	Condition	Scenario	Year	Number of Hospitals at Higher Risk
Iberia	Future With Plan	Med	50	0
Iberia	Future Without Action	High	50	0
Iberia	Future With Plan	High	50	0
Jefferson	Current	Current	0	0
Jefferson	Future Without Action	Med	25	0
Jefferson	Future With Plan	Med	25	0
Jefferson	Future Without Action	High	25	0
Jefferson	Future With Plan	High	25	0
Jefferson	Future Without Action	Med	50	0
Jefferson	Future With Plan	Med	50	0
Jefferson	Future Without Action	High	50	0
Jefferson	Future With Plan	High	50	0
Jefferson Davis	Current	Current	0	0
Jefferson Davis	Future Without Action	Med	25	0
Jefferson Davis	Future With Plan	Med	25	0
Jefferson Davis	Future Without Action	High	25	0
Jefferson Davis	Future With Plan	High	25	0
Jefferson Davis	Future Without Action	Med	50	0
Jefferson Davis	Future With Plan	Med	50	0
Jefferson Davis	Future Without Action	High	50	0
Jefferson Davis	Future With Plan	High	50	0
Lafourche	Current	Current	0	0
Lafourche	Future Without Action	Med	25	1
Lafourche	Future With Plan	Med	25	0
Lafourche	Future Without Action	High	25	1
Lafourche	Future With Plan	High	25	0
Lafourche	Future Without Action	Med	50	2
Lafourche	Future With Plan	Med	50	0
Lafourche	Future Without Action	High	50	2
Lafourche	Future With Plan	High	50	0
Orleans	Current	Current	0	0
Orleans	Future Without Action	Med	25	0
Orleans	Future With Plan	Med	25	0
Orleans	Future Without Action	High	25	0
Orleans	Future With Plan	High	25	0
Orleans	Future Without Action	Med	50	1
Orleans	Future With Plan	Med	50	0
Orleans	Future Without Action	High	50	1
Orleans	Future With Plan	High	50	1
St. Bernard	Current	Current	0	0
St. Bernard	Future Without Action	Med	25	0
St. Bernard	Future With Plan	Med	25	0
St. Bernard	Future Without Action	High	25	0

Parish	Condition	Scenario	Year	Number of Hospitals at Higher Risk
St. Bernard	Future With Plan	High	25	0
St. Bernard	Future Without Action	Med	50	0
St. Bernard	Future With Plan	Med	50	0
St. Bernard	Future Without Action	High	50	0
St. Bernard	Future With Plan	High	50	1
St. Charles	Current	Current	0	0
St. Charles	Future Without Action	Med	25	0
St. Charles	Future With Plan	Med	25	0
St. Charles	Future Without Action	High	25	0
St. Charles	Future With Plan	High	25	0
St. Charles	Future Without Action	Med	50	1
St. Charles	Future With Plan	Med	50	0
St. Charles	Future Without Action	High	50	1
St. Charles	Future With Plan	High	50	0
St. James	Current	Current	0	0
St. James	Future Without Action	Med	25	0
St. James	Future With Plan	Med	25	0
St. James	Future Without Action	High	25	0
St. James	Future With Plan	High	25	0
St. James	Future Without Action	Med	50	0
St. James	Future With Plan	Med	50	0
St. James	Future Without Action	High	50	1
St. James	Future With Plan	High	50	0
St. Mary	Current	Current	0	1
St. Mary	Future Without Action	Med	25	1
St. Mary	Future With Plan	Med	25	1
St. Mary	Future Without Action	High	25	1
St. Mary	Future With Plan	High	25	1
St. Mary	Future Without Action	Med	50	2
St. Mary	Future With Plan	Med	50	0
St. Mary	Future Without Action	High	50	2
St. Mary	Future With Plan	High	50	1
St. Tammany	Current	Current	0	0
St. Tammany	Future Without Action	Med	25	0
St. Tammany	Future With Plan	Med	25	0
St. Tammany	Future Without Action	High	25	0
St. Tammany	Future With Plan	High	25	0
St. Tammany	Future Without Action	Med	50	0
St. Tammany	Future With Plan	Med	50	0
St. Tammany	Future Without Action	High	50	1
St. Tammany	Future With Plan	High	50	0
Tangipahoa	Current	Current	0	0
Tangipahoa	Future Without Action	Med	25	0

Parish	Condition	Scenario	Year	Number of Hospitals at Higher Risk
Tangipahoa	Future With Plan	Med	25	0
Tangipahoa	Future Without Action	High	25	0
Tangipahoa	Future With Plan	High	25	0
Tangipahoa	Future Without Action	Med	50	0
Tangipahoa	Future With Plan	Med	50	0
Tangipahoa	Future Without Action	High	50	0
Tangipahoa	Future With Plan	High	50	0
Terrebonne	Current	Current	0	0
Terrebonne	Future Without Action	Med	25	2
Terrebonne	Future With Plan	Med	25	0
Terrebonne	Future Without Action	High	25	2
Terrebonne	Future With Plan	High	25	0
Terrebonne	Future Without Action	Med	50	4
Terrebonne	Future With Plan	Med	50	1
Terrebonne	Future Without Action	High	50	5
Terrebonne	Future With Plan	High	50	2
Vermilion	Current	Current	0	0
Vermilion	Future Without Action	Med	25	0
Vermilion	Future With Plan	Med	25	0
Vermilion	Future Without Action	High	25	0
Vermilion	Future With Plan	High	25	0
Vermilion	Future Without Action	Med	50	0
Vermilion	Future With Plan	Med	50	0
Vermilion	Future Without Action	High	50	1
Vermilion	Future With Plan	High	50	0

Table A6: Medicaid Providers at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Providers at Higher Risk
Acadia	Current	current	0	0
Acadia	Future Without Action	high	25	0
Acadia	Future Without Action	high	50	0
Acadia	Future Without Action	med	25	0
Acadia	Future Without Action	med	50	0
Acadia	Future With Plan	high	25	0
Acadia	Future With Plan	high	50	0
Acadia	Future With Plan	med	25	0
Acadia	Future With Plan	med	50	0
Ascension	Current	current	0	0
Ascension	Future Without Action	high	25	20
Ascension	Future Without Action	high	50	650
Ascension	Future Without Action	med	25	10
Ascension	Future Without Action	med	50	90
Ascension	Future With Plan	high	25	0
Ascension	Future With Plan	high	50	60
Ascension	Future With Plan	med	25	0
Ascension	Future With Plan	med	50	10
Assumption	Current	current	0	0
Assumption	Future Without Action	high	25	0
Assumption	Future Without Action	high	50	80
Assumption	Future Without Action	med	25	0
Assumption	Future Without Action	med	50	50
Assumption	Future With Plan	high	25	0
Assumption	Future With Plan	high	50	50
Assumption	Future With Plan	med	25	0
Assumption	Future With Plan	med	50	40
Calcasieu	Current	current	0	0
Calcasieu	Future Without Action	high	25	10
Calcasieu	Future Without Action	high	50	2040
Calcasieu	Future Without Action	med	25	0
Calcasieu	Future Without Action	med	50	440
Calcasieu	Future With Plan	high	25	10
Calcasieu	Future With Plan	high	50	1890
Calcasieu	Future With Plan	med	25	0
Calcasieu	Future With Plan	med	50	230
Cameron	Current	current	0	200
Cameron	Future Without Action	high	25	210
Cameron	Future Without Action	high	50	210
Cameron	Future Without Action	med	25	200
Cameron	Future Without Action	med	50	210
Cameron	Future With Plan	high	25	210
Cameron	Future With Plan	high	50	210
Cameron	Future With Plan	med	25	200

Parish	Condition	Scenario	Year	Providers at Higher Risk
Cameron	Future With Plan	med	50	210
Iberia	Current	current	0	10
Iberia	Future Without Action	high	25	20
Iberia	Future Without Action	high	50	120
Iberia	Future Without Action	med	25	20
Iberia	Future Without Action	med	50	30
Iberia	Future With Plan	high	25	10
Iberia	Future With Plan	high	50	0
Iberia	Future With Plan	med	25	10
Iberia	Future With Plan	med	50	0
Iberville	Current	current	0	0
Iberville	Future Without Action	high	25	0
Iberville	Future Without Action	high	50	0
Iberville	Future Without Action	med	25	0
Iberville	Future Without Action	med	50	0
Iberville	Future With Plan	high	25	0
Iberville	Future With Plan	high	50	0
Iberville	Future With Plan	med	25	0
Iberville	Future With Plan	med	50	0
Jefferson	Current	current	0	220
Jefferson	Future Without Action	high	25	230
Jefferson	Future Without Action	high	50	730
Jefferson	Future Without Action	med	25	230
Jefferson	Future Without Action	med	50	230
Jefferson	Future With Plan	high	25	230
Jefferson	Future With Plan	high	50	240
Jefferson	Future With Plan	med	25	230
Jefferson	Future With Plan	med	50	230
Jefferson Davis	Current	current	0	0
Jefferson Davis	Future Without Action	high	25	50
Jefferson Davis	Future Without Action	high	50	70
Jefferson Davis	Future Without Action	med	25	50
Jefferson Davis	Future Without Action	med	50	60
Jefferson Davis	Future With Plan	high	25	50
Jefferson Davis	Future With Plan	high	50	70
Jefferson Davis	Future With Plan	med	25	20
Jefferson Davis	Future With Plan	med	50	60
Lafourche	Current	current	0	30
Lafourche	Future Without Action	high	25	680
Lafourche	Future Without Action	high	50	1590
Lafourche	Future Without Action	med	25	500
Lafourche	Future Without Action	med	50	1350
Lafourche	Future With Plan	high	25	50
Lafourche	Future With Plan	high	50	500

Parish	Condition	Scenario	Year	Providers at Higher Risk
Lafourche	Future With Plan	med	25	40
Lafourche	Future With Plan	med	50	110
Livingston	Current	current	0	30
Livingston	Future Without Action	high	25	90
Livingston	Future Without Action	high	50	110
Livingston	Future Without Action	med	25	80
Livingston	Future Without Action	med	50	90
Livingston	Future With Plan	high	25	80
Livingston	Future With Plan	high	50	90
Livingston	Future With Plan	med	25	80
Livingston	Future With Plan	med	50	80
Orleans	Current	current	0	20
Orleans	Future Without Action	high	25	180
Orleans	Future Without Action	high	50	1510
Orleans	Future Without Action	med	25	30
Orleans	Future Without Action	med	50	1280
Orleans	Future With Plan	high	25	30
Orleans	Future With Plan	high	50	1140
Orleans	Future With Plan	med	25	30
Orleans	Future With Plan	med	50	30
Plaquemines	Current	current	0	20
Plaquemines	Future Without Action	high	25	70
Plaquemines	Future Without Action	high	50	70
Plaquemines	Future Without Action	med	25	70
Plaquemines	Future Without Action	med	50	70
Plaquemines	Future With Plan	high	25	70
Plaquemines	Future With Plan	high	50	70
Plaquemines	Future With Plan	med	25	70
Plaquemines	Future With Plan	med	50	70
St. Bernard	Current	current	0	0
St. Bernard	Future Without Action	high	25	10
St. Bernard	Future Without Action	high	50	10
St. Bernard	Future Without Action	med	25	0
St. Bernard	Future Without Action	med	50	10
St. Bernard	Future With Plan	high	25	0
St. Bernard	Future With Plan	high	50	510
St. Bernard	Future With Plan	med	25	0
St. Bernard	Future With Plan	med	50	10
St. Charles	Current	current	0	70
St. Charles	Future Without Action	high	25	180
St. Charles	Future Without Action	high	50	310
St. Charles	Future Without Action	med	25	180
St. Charles	Future Without Action	med	50	300
St. Charles	Future With Plan	high	25	0

Parish	Condition	Scenario	Year	Providers at Higher Risk
St. Charles	Future With Plan	high	50	120
St. Charles	Future With Plan	med	25	0
St. Charles	Future With Plan	med	50	20
St. James	Current	current	0	0
St. James	Future Without Action	high	25	0
St. James	Future Without Action	high	50	110
St. James	Future Without Action	med	25	0
St. James	Future Without Action	med	50	60
St. James	Future With Plan	high	25	0
St. James	Future With Plan	high	50	20
St. James	Future With Plan	med	25	0
St. James	Future With Plan	med	50	0
St. John	Current	current	0	30
St. John	Future Without Action	high	25	120
St. John	Future Without Action	high	50	270
St. John	Future Without Action	med	25	110
St. John	Future Without Action	med	50	210
St. John	Future With Plan	high	25	0
St. John	Future With Plan	high	50	10
St. John	Future With Plan	med	25	0
St. John	Future With Plan	med	50	0
St. Martin	Current	current	0	0
St. Martin	Future Without Action	high	25	0
St. Martin	Future Without Action	high	50	0
St. Martin	Future Without Action	med	25	0
St. Martin	Future Without Action	med	50	0
St. Martin	Future With Plan	high	25	0
St. Martin	Future With Plan	high	50	0
St. Martin	Future With Plan	med	25	0
St. Martin	Future With Plan	med	50	0
St. Mary	Current	current	0	160
St. Mary	Future Without Action	high	25	210
St. Mary	Future Without Action	high	50	1610
St. Mary	Future Without Action	med	25	200
St. Mary	Future Without Action	med	50	1240
St. Mary	Future With Plan	high	25	170
St. Mary	Future With Plan	high	50	440
St. Mary	Future With Plan	med	25	170
St. Mary	Future With Plan	med	50	30
St. Tammany	Current	current	0	490
St. Tammany	Future Without Action	high	25	1150
St. Tammany	Future Without Action	high	50	3150
St. Tammany	Future Without Action	med	25	920
St. Tammany	Future Without Action	med	50	2120

Parish	Condition	Scenario	Year	Providers at Higher Risk
St. Tammany	Future With Plan	high	25	1020
St. Tammany	Future With Plan	high	50	1820
St. Tammany	Future With Plan	med	25	490
St. Tammany	Future With Plan	med	50	1380
Tangipahoa	Current	current	0	0
Tangipahoa	Future Without Action	high	25	10
Tangipahoa	Future Without Action	high	50	10
Tangipahoa	Future Without Action	med	25	0
Tangipahoa	Future Without Action	med	50	10
Tangipahoa	Future With Plan	high	25	0
Tangipahoa	Future With Plan	high	50	10
Tangipahoa	Future With Plan	med	25	0
Tangipahoa	Future With Plan	med	50	0
Terrebonne	Current	current	0	220
Terrebonne	Future Without Action	high	25	2910
Terrebonne	Future Without Action	high	50	5460
Terrebonne	Future Without Action	med	25	2340
Terrebonne	Future Without Action	med	50	5160
Terrebonne	Future With Plan	high	25	160
Terrebonne	Future With Plan	high	50	3190
Terrebonne	Future With Plan	med	25	150
Terrebonne	Future With Plan	med	50	380
Vermilion	Current	current	0	50
Vermilion	Future Without Action	high	25	130
Vermilion	Future Without Action	high	50	780
Vermilion	Future Without Action	med	25	110
Vermilion	Future Without Action	med	50	220
Vermilion	Future With Plan	high	25	110
Vermilion	Future With Plan	high	50	70
Vermilion	Future With Plan	med	25	110
Vermilion	Future With Plan	med	50	70

Table A7: Medicaid Recipients at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Medicaid Recipients at Higher Risk
Acadia	Current	current	0	-
Acadia	Future Without Action	high	25	-
Acadia	Future Without Action	high	50	100
Acadia	Future Without Action	med	25	-
Acadia	Future Without Action	med	50	100
Acadia	Future With Plan	high	25	-
Acadia	Future With Plan	high	50	100
Acadia	Future With Plan	med	25	-
Acadia	Future With Plan	med	50	100
Ascension	Current	current	0	-
Ascension	Future Without Action	high	25	1,300
Ascension	Future Without Action	high	50	10,400
Ascension	Future Without Action	med	25	1,200
Ascension	Future Without Action	med	50	2,800
Ascension	Future With Plan	high	25	100
Ascension	Future With Plan	high	50	2,300
Ascension	Future With Plan	med	25	-
Ascension	Future With Plan	med	50	1,300
Assumption	Current	current	0	-
Assumption	Future Without Action	high	25	300
Assumption	Future Without Action	high	50	1,600
Assumption	Future Without Action	med	25	200
Assumption	Future Without Action	med	50	800
Assumption	Future With Plan	high	25	200
Assumption	Future With Plan	high	50	1,200
Assumption	Future With Plan	med	25	100
Assumption	Future With Plan	med	50	600
Calcasieu	Current	current	0	300
Calcasieu	Future Without Action	high	25	2,000
Calcasieu	Future Without Action	high	50	22,300
Calcasieu	Future Without Action	med	25	600
Calcasieu	Future Without Action	med	50	3,100
Calcasieu	Future With Plan	high	25	700
Calcasieu	Future With Plan	high	50	21,000
Calcasieu	Future With Plan	med	25	400
Calcasieu	Future With Plan	med	50	2,700
Cameron	Current	current	0	1,000
Cameron	Future Without Action	high	25	1,300
Cameron	Future Without Action	high	50	1,500
Cameron	Future Without Action	med	25	1,200
Cameron	Future Without Action	med	50	1,400
Cameron	Future With Plan	high	25	1,200
Cameron	Future With Plan	high	50	1,500
Cameron	Future With Plan	med	25	1,100

Parish	Condition	Scenario	Year	Medicaid Recipients at Higher Risk
Cameron	Future With Plan	med	50	1,400
Iberia	Current	current	0	1,600
Iberia	Future Without Action	high	25	2,700
Iberia	Future Without Action	high	50	4,000
Iberia	Future Without Action	med	25	2,600
Iberia	Future Without Action	med	50	3,600
Iberia	Future With Plan	high	25	1,200
Iberia	Future With Plan	high	50	300
Iberia	Future With Plan	med	25	1,000
Iberia	Future With Plan	med	50	200
Iberville	Current	current	0	-
Iberville	Future Without Action	high	25	-
Iberville	Future Without Action	high	50	100
Iberville	Future Without Action	med	25	-
Iberville	Future Without Action	med	50	-
Iberville	Future With Plan	high	25	-
Iberville	Future With Plan	high	50	100
Iberville	Future With Plan	med	25	-
Iberville	Future With Plan	med	50	-
Jefferson	Current	current	0	2,500
Jefferson	Future Without Action	high	25	2,700
Jefferson	Future Without Action	high	50	4,200
Jefferson	Future Without Action	med	25	2,700
Jefferson	Future Without Action	med	50	2,800
Jefferson	Future With Plan	high	25	2,700
Jefferson	Future With Plan	high	50	3,400
Jefferson	Future With Plan	med	25	2,700
Jefferson	Future With Plan	med	50	2,700
Jefferson Davis	Current	current	0	-
Jefferson Davis	Future Without Action	high	25	300
Jefferson Davis	Future Without Action	high	50	1,600
Jefferson Davis	Future Without Action	med	25	200
Jefferson Davis	Future Without Action	med	50	1,400
Jefferson Davis	Future With Plan	high	25	300
Jefferson Davis	Future With Plan	high	50	1,600
Jefferson Davis	Future With Plan	med	25	200
Jefferson Davis	Future With Plan	med	50	1,400
Lafayette	Current	current	0	-
Lafayette	Future Without Action	high	25	-
Lafayette	Future Without Action	high	50	200
Lafayette	Future Without Action	med	25	-
Lafayette	Future Without Action	med	50	-
Lafayette	Future With Plan	high	25	-
Lafayette	Future With Plan	high	50	-
Lafayette	Future With Plan	med	25	-

Parish	Condition	Scenario	Year	Medicaid Recipients at Higher Risk
Lafayette	Future With Plan	med	50	-
Lafourche	Current	current	0	1,300
Lafourche	Future Without Action	high	25	9,200
Lafourche	Future Without Action	high	50	17,600
Lafourche	Future Without Action	med	25	7,200
Lafourche	Future Without Action	med	50	14,700
Lafourche	Future With Plan	high	25	2,200
Lafourche	Future With Plan	high	50	6,700
Lafourche	Future With Plan	med	25	2,100
Lafourche	Future With Plan	med	50	4,000
Livingston	Current	current	0	500
Livingston	Future Without Action	high	25	900
Livingston	Future Without Action	high	50	1,900
Livingston	Future Without Action	med	25	700
Livingston	Future Without Action	med	50	1,000
Livingston	Future With Plan	high	25	600
Livingston	Future With Plan	high	50	1,000
Livingston	Future With Plan	med	25	500
Livingston	Future With Plan	med	50	700
Orleans	Current	current	0	600
Orleans	Future Without Action	high	25	1,900
Orleans	Future Without Action	high	50	20,300
Orleans	Future Without Action	med	25	700
Orleans	Future Without Action	med	50	11,100
Orleans	Future With Plan	high	25	700
Orleans	Future With Plan	high	50	10,100
Orleans	Future With Plan	med	25	600
Orleans	Future With Plan	med	50	700
Plaquemines	Current	current	0	1,300
Plaquemines	Future Without Action	high	25	4,100
Plaquemines	Future Without Action	high	50	4,100
Plaquemines	Future Without Action	med	25	4,100
Plaquemines	Future Without Action	med	50	4,100
Plaquemines	Future With Plan	high	25	4,100
Plaquemines	Future With Plan	high	50	4,100
Plaquemines	Future With Plan	med	25	4,100
Plaquemines	Future With Plan	med	50	4,100
St. Bernard	Current	current	0	300
St. Bernard	Future Without Action	high	25	600
St. Bernard	Future Without Action	high	50	1,100
St. Bernard	Future Without Action	med	25	400
St. Bernard	Future Without Action	med	50	1,000
St. Bernard	Future With Plan	high	25	400
St. Bernard	Future With Plan	high	50	3,300
St. Bernard	Future With Plan	med	25	300

Parish	Condition	Scenario	Year	Medicaid Recipients at Higher Risk
St. Bernard	Future With Plan	med	50	700
St. Charles	Current	current	0	1,300
St. Charles	Future Without Action	high	25	3,900
St. Charles	Future Without Action	high	50	5,000
St. Charles	Future Without Action	med	25	3,800
St. Charles	Future Without Action	med	50	4,800
St. Charles	Future With Plan	high	25	200
St. Charles	Future With Plan	high	50	2,700
St. Charles	Future With Plan	med	25	300
St. Charles	Future With Plan	med	50	1,100
St. James	Current	current	0	-
St. James	Future Without Action	high	25	100
St. James	Future Without Action	high	50	1,600
St. James	Future Without Action	med	25	-
St. James	Future Without Action	med	50	600
St. James	Future With Plan	high	25	-
St. James	Future With Plan	high	50	500
St. James	Future With Plan	med	25	-
St. James	Future With Plan	med	50	100
St. John the Baptist	Current	current	0	1,200
St. John the Baptist	Future Without Action	high	25	5,700
St. John the Baptist	Future Without Action	high	50	9,700
St. John the Baptist	Future Without Action	med	25	4,700
St. John the Baptist	Future Without Action	med	50	7,500
St. John the Baptist	Future With Plan	high	25	100
St. John the Baptist	Future With Plan	high	50	100
St. John the Baptist	Future With Plan	med	25	100
St. John the Baptist	Future With Plan	med	50	100
St. Martin	Current	current	0	100
St. Martin	Future Without Action	high	25	100
St. Martin	Future Without Action	high	50	100
St. Martin	Future Without Action	med	25	100
St. Martin	Future Without Action	med	50	100
St. Martin	Future With Plan	high	25	100
St. Martin	Future With Plan	high	50	100
St. Martin	Future With Plan	med	25	100
St. Martin	Future With Plan	med	50	100
St. Mary	Current	current	0	300
St. Mary	Future Without Action	high	25	1,600
St. Mary	Future Without Action	high	50	8,700
St. Mary	Future Without Action	med	25	1,400
St. Mary	Future Without Action	med	50	3,800
St. Mary	Future With Plan	high	25	1,400
St. Mary	Future With Plan	high	50	1,000
St. Mary	Future With Plan	med	25	1,200

Parish	Condition	Scenario	Year	Medicaid Recipients at Higher Risk
St. Mary	Future With Plan	med	50	400
St. Tammany	Current	current	0	12,900
St. Tammany	Future Without Action	high	25	19,400
St. Tammany	Future Without Action	high	50	23,400
St. Tammany	Future Without Action	med	25	18,400
St. Tammany	Future Without Action	med	50	21,900
St. Tammany	Future With Plan	high	25	5,800
St. Tammany	Future With Plan	high	50	11,500
St. Tammany	Future With Plan	med	25	5,100
St. Tammany	Future With Plan	med	50	9,100
Tangipahoa	Current	current	0	300
Tangipahoa	Future Without Action	high	25	400
Tangipahoa	Future Without Action	high	50	700
Tangipahoa	Future Without Action	med	25	400
Tangipahoa	Future Without Action	med	50	500
Tangipahoa	Future With Plan	high	25	300
Tangipahoa	Future With Plan	high	50	500
Tangipahoa	Future With Plan	med	25	300
Tangipahoa	Future With Plan	med	50	400
Terrebonne	Current	current	0	8,300
Terrebonne	Future Without Action	high	25	22,300
Terrebonne	Future Without Action	high	50	41,800
Terrebonne	Future Without Action	med	25	19,600
Terrebonne	Future Without Action	med	50	37,800
Terrebonne	Future With Plan	high	25	5,200
Terrebonne	Future With Plan	high	50	21,700
Terrebonne	Future With Plan	med	25	3,900
Terrebonne	Future With Plan	med	50	11,700
Vermillion	Current	current	0	2,800
Vermillion	Future Without Action	high	25	5,000
Vermillion	Future Without Action	high	50	8,500
Vermillion	Future Without Action	med	25	4,700
Vermillion	Future Without Action	med	50	6,300
Vermillion	Future With Plan	high	25	4,900
Vermillion	Future With Plan	high	50	2,400
Vermillion	Future With Plan	med	25	4,600
Vermillion	Future With Plan	med	50	2,100

Table A8: LDH Employees at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Employees at Higher Risk
Allen	Current	Current	0	0
Allen	Future Without Action	High	25	10
Allen	Future Without Action	High	50	20
Allen	Future Without Action	Med	25	10
Allen	Future Without Action	Med	50	10
Allen	Future With Plan	High	25	0
Allen	Future With Plan	High	50	10
Allen	Future With Plan	Med	25	0
Allen	Future With Plan	Med	50	0
Caddo	Current	Current	0	0
Caddo	Future Without Action	High	25	0
Caddo	Future Without Action	High	50	0
Caddo	Future Without Action	Med	25	0
Caddo	Future Without Action	Med	50	0
Caddo	Future With Plan	High	25	0
Caddo	Future With Plan	High	50	0
Caddo	Future With Plan	Med	25	0
Caddo	Future With Plan	Med	50	0
Cameron	Current	Current	0	0
Cameron	Future Without Action	High	25	0
Cameron	Future Without Action	High	50	0
Cameron	Future Without Action	Med	25	0
Cameron	Future Without Action	Med	50	0
Cameron	Future With Plan	High	25	0
Cameron	Future With Plan	High	50	0
Cameron	Future With Plan	Med	25	0
Cameron	Future With Plan	Med	50	0
Catahoula	Current	Current	0	0
Catahoula	Future Without Action	High	25	0
Catahoula	Future Without Action	High	50	0
Catahoula	Future Without Action	Med	25	0
Catahoula	Future Without Action	Med	50	0
Catahoula	Future With Plan	High	25	0
Catahoula	Future With Plan	High	50	0
Catahoula	Future With Plan	Med	25	0
Catahoula	Future With Plan	Med	50	0
Claiborne	Current	Current	0	0
Claiborne	Future Without Action	High	25	0
Claiborne	Future Without Action	High	50	0
Claiborne	Future Without Action	Med	25	0
Claiborne	Future Without Action	Med	50	0
Claiborne	Future With Plan	High	25	0
Claiborne	Future With Plan	High	50	0
Claiborne	Future With Plan	Med	25	0

Parish	Condition	Scenario	Year	Employees at Higher Risk
Claiborne	Future With Plan	Med	50	0
Concordia	Current	Current	0	10
Concordia	Future Without Action	High	25	20
Concordia	Future Without Action	High	50	60
Concordia	Future Without Action	Med	25	10
Concordia	Future Without Action	Med	50	30
Concordia	Future With Plan	High	25	10
Concordia	Future With Plan	High	50	20
Concordia	Future With Plan	Med	25	10
Concordia	Future With Plan	Med	50	10
Iberia	Current	Current	0	10
Iberia	Future Without Action	High	25	10
Iberia	Future Without Action	High	50	10
Iberia	Future Without Action	Med	25	10
Iberia	Future Without Action	Med	50	10
Iberia	Future With Plan	High	25	0
Iberia	Future With Plan	High	50	0
Iberia	Future With Plan	Med	25	0
Iberia	Future With Plan	Med	50	0
Iberville	Current	Current	0	0
Iberville	Future Without Action	High	25	0
Iberville	Future Without Action	High	50	10
Iberville	Future Without Action	Med	25	0
Iberville	Future Without Action	Med	50	10
Iberville	Future With Plan	High	25	0
Iberville	Future With Plan	High	50	10
Iberville	Future With Plan	Med	25	0
Iberville	Future With Plan	Med	50	0
Jefferson	Current	Current	0	0
Jefferson	Future Without Action	High	25	0
Jefferson	Future Without Action	High	50	10
Jefferson	Future Without Action	Med	25	0
Jefferson	Future Without Action	Med	50	10
Jefferson	Future With Plan	High	25	0
Jefferson	Future With Plan	High	50	0
Jefferson	Future With Plan	Med	25	0
Jefferson	Future With Plan	Med	50	0
Jefferson Davis	Current	Current	0	0
Jefferson Davis	Future Without Action	High	25	0
Jefferson Davis	Future Without Action	High	50	10
Jefferson Davis	Future Without Action	Med	25	0
Jefferson Davis	Future Without Action	Med	50	0
Jefferson Davis	Future With Plan	High	25	0
Jefferson Davis	Future With Plan	High	50	0
Jefferson Davis	Future With Plan	Med	25	0

Parish	Condition	Scenario	Year	Employees at Higher Risk
Jefferson Davis	Future With Plan	Med	50	0
Lafayette	Current	Current	0	0
Lafayette	Future Without Action	High	25	20
Lafayette	Future Without Action	High	50	50
Lafayette	Future Without Action	Med	25	10
Lafayette	Future Without Action	Med	50	40
Lafayette	Future With Plan	High	25	0
Lafayette	Future With Plan	High	50	20
Lafayette	Future With Plan	Med	25	0
Lafayette	Future With Plan	Med	50	10
Lafourche	Current	Current	0	10
Lafourche	Future Without Action	High	25	10
Lafourche	Future Without Action	High	50	10
Lafourche	Future Without Action	Med	25	10
Lafourche	Future Without Action	Med	50	10
Lafourche	Future With Plan	High	25	10
Lafourche	Future With Plan	High	50	10
Lafourche	Future With Plan	Med	25	10
Lafourche	Future With Plan	Med	50	10
St. Martin	Current	Current	0	0
St. Martin	Future Without Action	High	25	0
St. Martin	Future Without Action	High	50	0
St. Martin	Future Without Action	Med	25	0
St. Martin	Future Without Action	Med	50	0
St. Martin	Future With Plan	High	25	0
St. Martin	Future With Plan	High	50	0
St. Martin	Future With Plan	Med	25	0
St. Martin	Future With Plan	Med	50	0

Table A9: Roads at Higher Risk of Coastal Flooding by Parish

Parish	Condition	Scenario	Year	Miles of Road at Higher Risk	Repair and Replacement Costs
Acadia	Current	Current	0	<5	<$500,000
Acadia	Future Without Action	High	25	10	2000000
Acadia	Future Without Action	High	50	50	13000000
Acadia	Future Without Action	Med	25	10	2000000
Acadia	Future Without Action	Med	50	20	7000000
Acadia	Future With Plan	High	25	10	2000000
Acadia	Future With Plan	High	50	50	13000000
Acadia	Future With Plan	Med	25	<5	1000000
Acadia	Future With Plan	Med	50	20	6000000
Ascension	Current	Current	0	<5	1000000
Ascension	Future Without Action	High	25	110	29000000
Ascension	Future Without Action	High	50	380	103000000
Ascension	Future Without Action	Med	25	80	23000000
Ascension	Future Without Action	Med	50	230	60000000
Ascension	Future With Plan	High	25	30	8000000
Ascension	Future With Plan	High	50	210	52000000
Ascension	Future With Plan	Med	25	20	6000000
Ascension	Future With Plan	Med	50	90	25000000
Assumption	Current	Current	0	<5	1000000
Assumption	Future Without Action	High	25	80	22000000
Assumption	Future Without Action	High	50	340	80000000
Assumption	Future Without Action	Med	25	50	13000000
Assumption	Future Without Action	Med	50	200	49000000
Assumption	Future With Plan	High	25	30	7000000
Assumption	Future With Plan	High	50	240	56000000
Assumption	Future With Plan	Med	25	20	4000000
Assumption	Future With Plan	Med	50	150	35000000
Calcasieu	Current	Current	0	80	31000000
Calcasieu	Future Without Action	High	25	190	65000000
Calcasieu	Future Without Action	High	50	730	224000000
Calcasieu	Future Without Action	Med	25	120	43000000
Calcasieu	Future Without Action	Med	50	330	101000000
Calcasieu	Future With Plan	High	25	160	55000000
Calcasieu	Future With Plan	High	50	700	214000000
Calcasieu	Future With Plan	Med	25	100	38000000
Calcasieu	Future With Plan	Med	50	290	91000000
Cameron	Current	Current	0	1070	246000000
Cameron	Future Without Action	High	25	1220	277000000
Cameron	Future Without Action	High	50	1270	287000000
Cameron	Future Without Action	Med	25	1170	266000000
Cameron	Future Without Action	Med	50	1260	285000000
Cameron	Future With Plan	High	25	1210	274000000

Parish	Condition	Scenario	Year	Miles of Road at Higher Risk	Repair and Replacement Costs
Cameron	Future With Plan	High	50	1270	287000000
Cameron	Future With Plan	Med	25	1140	261000000
Cameron	Future With Plan	Med	50	1260	284000000
Iberia	Current	Current	0	140	43000000
Iberia	Future Without Action	High	25	220	70000000
Iberia	Future Without Action	High	50	300	108000000
Iberia	Future Without Action	Med	25	210	66000000
Iberia	Future Without Action	Med	50	270	92000000
Iberia	Future With Plan	High	25	90	30000000
Iberia	Future With Plan	High	50	90	24000000
Iberia	Future With Plan	Med	25	80	27000000
Iberia	Future With Plan	Med	50	60	17000000
Iberville	Current	Current	0	0	0
Iberville	Future Without Action	High	25	0	0
Iberville	Future Without Action	High	50	30	6000000
Iberville	Future Without Action	Med	25	0	0
Iberville	Future Without Action	Med	50	<5	1000000
Iberville	Future With Plan	High	25	0	0
Iberville	Future With Plan	High	50	30	5000000
Iberville	Future With Plan	Med	25	0	0
Iberville	Future With Plan	Med	50	<5	1000000
Jefferson	Current	Current	0	140	41000000
Jefferson	Future Without Action	High	25	150	44000000
Jefferson	Future Without Action	High	50	170	53000000
Jefferson	Future Without Action	Med	25	150	42000000
Jefferson	Future Without Action	Med	50	150	45000000
Jefferson	Future With Plan	High	25	150	44000000
Jefferson	Future With Plan	High	50	160	49000000
Jefferson	Future With Plan	Med	25	150	41000000
Jefferson	Future With Plan	Med	50	150	44000000
Jefferson Davis	Current	Current	0	40	10000000
Jefferson Davis	Future Without Action	High	25	100	27000000
Jefferson Davis	Future Without Action	High	50	240	63000000
Jefferson Davis	Future Without Action	Med	25	80	22000000
Jefferson Davis	Future Without Action	Med	50	160	42000000
Jefferson Davis	Future With Plan	High	25	100	26000000
Jefferson Davis	Future With Plan	High	50	240	63000000
Jefferson Davis	Future With Plan	Med	25	80	20000000
Jefferson Davis	Future With Plan	Med	50	160	42000000
Lafayette	Current	Current	0	<5	<$500,000
Lafayette	Future Without Action	High	25	<5	<$500,000
Lafayette	Future Without Action	High	50	<5	<$500,000
Lafayette	Future Without Action	Med	25	<5	<$500,000

Parish	Condition	Scenario	Year	Miles of Road at Higher Risk	Repair and Replacement Costs
Lafayette	Future Without Action	Med	50	<5	<$500,000
Lafayette	Future With Plan	High	25	<5	<$500,000
Lafayette	Future With Plan	High	50	<5	<$500,000
Lafayette	Future With Plan	Med	25	<5	<$500,000
Lafayette	Future With Plan	Med	50	<5	<$500,000
Lafourche	Current	Current	0	290	72000000
Lafourche	Future Without Action	High	25	810	201000000
Lafourche	Future Without Action	High	50	1220	298000000
Lafourche	Future Without Action	Med	25	680	169000000
Lafourche	Future Without Action	Med	50	1080	263000000
Lafourche	Future With Plan	High	25	320	77000000
Lafourche	Future With Plan	High	50	770	187000000
Lafourche	Future With Plan	Med	25	280	69000000
Lafourche	Future With Plan	Med	50	520	127000000
Livingston	Current	Current	0	80	23000000
Livingston	Future Without Action	High	25	160	41000000
Livingston	Future Without Action	High	50	260	65000000
Livingston	Future Without Action	Med	25	130	36000000
Livingston	Future Without Action	Med	50	190	49000000
Livingston	Future With Plan	High	25	90	26000000
Livingston	Future With Plan	High	50	170	46000000
Livingston	Future With Plan	Med	25	80	24000000
Livingston	Future With Plan	Med	50	130	36000000
Orleans	Current	Current	0	80	23000000
Orleans	Future Without Action	High	25	100	35000000
Orleans	Future Without Action	High	50	210	73000000
Orleans	Future Without Action	Med	25	90	26000000
Orleans	Future Without Action	Med	50	160	55000000
Orleans	Future With Plan	High	25	80	26000000
Orleans	Future With Plan	High	50	180	60000000
Orleans	Future With Plan	Med	25	80	25000000
Orleans	Future With Plan	Med	50	90	27000000
Plaquemines	Current	Current	0	160	44000000
Plaquemines	Future Without Action	High	25	420	134000000
Plaquemines	Future Without Action	High	50	420	136000000
Plaquemines	Future Without Action	Med	25	420	133000000
Plaquemines	Future Without Action	Med	50	420	135000000
Plaquemines	Future With Plan	High	25	420	133000000
Plaquemines	Future With Plan	High	50	420	136000000
Plaquemines	Future With Plan	Med	25	410	132000000
Plaquemines	Future With Plan	Med	50	420	135000000
St. Bernard	Current	Current	0	70	14000000
St. Bernard	Future Without Action	High	25	90	19000000

Parish	Condition	Scenario	Year	Miles of Road at Higher Risk	Repair and Replacement Costs
St. Bernard	Future Without Action	High	50	100	24000000
St. Bernard	Future Without Action	Med	25	80	16000000
St. Bernard	Future Without Action	Med	50	100	23000000
St. Bernard	Future With Plan	High	25	80	16000000
St. Bernard	Future With Plan	High	50	140	38000000
St. Bernard	Future With Plan	Med	25	70	15000000
St. Bernard	Future With Plan	Med	50	90	21000000
St. Charles	Current	Current	0	130	52000000
St. Charles	Future Without Action	High	25	240	80000000
St. Charles	Future Without Action	High	50	340	118000000
St. Charles	Future Without Action	Med	25	230	78000000
St. Charles	Future Without Action	Med	50	310	109000000
St. Charles	Future With Plan	High	25	120	46000000
St. Charles	Future With Plan	High	50	220	75000000
St. Charles	Future With Plan	Med	25	100	42000000
St. Charles	Future With Plan	Med	50	150	56000000
St. James	Current	Current	0	10	4000000
St. James	Future Without Action	High	25	60	16000000
St. James	Future Without Action	High	50	300	70000000
St. James	Future Without Action	Med	25	50	12000000
St. James	Future Without Action	Med	50	210	47000000
St. James	Future With Plan	High	25	20	7000000
St. James	Future With Plan	High	50	170	38000000
St. James	Future With Plan	Med	25	20	5000000
St. James	Future With Plan	Med	50	60	15000000
St. John the Baptist	Current	Current	0	100	51000000
St. John the Baptist	Future Without Action	High	25	170	74000000
St. John the Baptist	Future Without Action	High	50	250	96000000
St. John the Baptist	Future Without Action	Med	25	150	69000000
St. John the Baptist	Future Without Action	Med	50	210	86000000
St. John the Baptist	Future With Plan	High	25	60	34000000
St. John the Baptist	Future With Plan	High	50	90	45000000
St. John the Baptist	Future With Plan	Med	25	60	34000000
St. John the Baptist	Future With Plan	Med	50	70	39000000
St. Martin	Current	Current	0	30	6000000
St. Martin	Future Without Action	High	25	40	9000000
St. Martin	Future Without Action	High	50	60	14000000
St. Martin	Future Without Action	Med	25	40	9000000
St. Martin	Future Without Action	Med	50	60	12000000
St. Martin	Future With Plan	High	25	40	9000000
St. Martin	Future With Plan	High	50	60	12000000
St. Martin	Future With Plan	Med	25	40	8000000
St. Martin	Future With Plan	Med	50	50	11000000

Parish	Condition	Scenario	Year	Miles of Road at Higher Risk	Repair and Replacement Costs
St. Mary	Current	Current	0	180	88000000
St. Mary	Future Without Action	High	25	300	134000000
St. Mary	Future Without Action	High	50	570	230000000
St. Mary	Future Without Action	Med	25	270	123000000
St. Mary	Future Without Action	Med	50	440	187000000
St. Mary	Future With Plan	High	25	220	104000000
St. Mary	Future With Plan	High	50	270	117000000
St. Mary	Future With Plan	Med	25	210	98000000
St. Mary	Future With Plan	Med	50	200	93000000
St. Tammany	Current	Current	0	380	135000000
St. Tammany	Future Without Action	High	25	510	180000000
St. Tammany	Future Without Action	High	50	660	236000000
St. Tammany	Future Without Action	Med	25	490	173000000
St. Tammany	Future Without Action	Med	50	590	211000000
St. Tammany	Future With Plan	High	25	380	137000000
St. Tammany	Future With Plan	High	50	530	186000000
St. Tammany	Future With Plan	Med	25	360	130000000
St. Tammany	Future With Plan	Med	50	460	162000000
Tangipahoa	Current	Current	0	50	26000000
Tangipahoa	Future Without Action	High	25	60	30000000
Tangipahoa	Future Without Action	High	50	70	36000000
Tangipahoa	Future Without Action	Med	25	50	29000000
Tangipahoa	Future Without Action	Med	50	60	33000000
Tangipahoa	Future With Plan	High	25	50	26000000
Tangipahoa	Future With Plan	High	50	60	32000000
Tangipahoa	Future With Plan	Med	25	50	26000000
Tangipahoa	Future With Plan	Med	50	50	29000000
Terrebonne	Current	Current	0	430	117000000
Terrebonne	Future Without Action	High	25	770	210000000
Terrebonne	Future Without Action	High	50	1130	321000000
Terrebonne	Future Without Action	Med	25	710	195000000
Terrebonne	Future Without Action	Med	50	1030	293000000
Terrebonne	Future With Plan	High	25	350	101000000
Terrebonne	Future With Plan	High	50	790	220000000
Terrebonne	Future With Plan	Med	25	280	76000000
Terrebonne	Future With Plan	Med	50	560	154000000
Vermilion	Current	Current	0	670	181000000
Vermilion	Future Without Action	High	25	980	263000000
Vermilion	Future Without Action	High	50	1220	331000000
Vermilion	Future Without Action	Med	25	920	249000000
Vermilion	Future Without Action	Med	50	1120	302000000
Vermilion	Future With Plan	High	25	970	260000000
Vermilion	Future With Plan	High	50	960	244000000

Parish	Condition	Scenario	Year	Miles of Road at Higher Risk	Repair and Replacement Costs
Vermilion	Future With Plan	Med	25	920	247000000
Vermilion	Future With Plan	Med	50	880	226000000
Vermilion	Current	Current	0	670	181000000
Vermilion	Future Without Action	High	25	980	263000000
Vermilion	Future Without Action	High	50	1220	331000000
Vermilion	Future Without Action	Med	25	920	249000000
Vermilion	Future Without Action	Med	50	1120	302000000
Vermilion	Future With Plan	High	25	970	260000000
Vermilion	Future With Plan	High	50	960	244000000
Vermilion	Future With Plan	Med	25	920	247000000
Vermilion	Future With Plan	Med	50	880	226000000

Table A10: Specific Roads at Higher Risk of Coastal Flooding

Route	Condition	Scenario	Year	Miles Flooded	Percent Flooded	Repair Costs	Average Daily Traffic*
Hwy 1	Current	Current	-	30	26%	$ 5,000,000	23,800
Hwy 1	Future Without Action	High	25	60	48%	$ 9,000,000	23,800
Hwy 1	Future Without Action	High	50	70	63%	$ 12,000,000	23,800
Hwy 1	Future Without Action	Med	25	50	41%	$ 8,000,000	23,800
Hwy 1	Future Without Action	Med	50	70	56%	$ 11,000,000	23,800
Hwy 1	Future With Plan	High	25	30	26%	$ 5,000,000	23,800
Hwy 1	Future With Plan	High	50	40	38%	$ 8,000,000	23,800
Hwy 1	Future With Plan	Med	25	30	25%	$ 5,000,000	23,800
Hwy 1	Future With Plan	Med	50	30	27%	$ 5,000,000	23,800
Hwy 23	Current	Current	-	10	10%	$ 5,000,000	41,600
Hwy 23	Future Without Action	High	25	60	83%	$ 38,000,000	41,600
Hwy 23	Future Without Action	High	50	60	83%	$ 39,000,000	41,600
Hwy 23	Future Without Action	Med	25	60	82%	$ 37,000,000	41,600
Hwy 23	Future Without Action	Med	50	60	83%	$ 39,000,000	41,600
Hwy 23	Future With Plan	High	25	60	82%	$ 37,000,000	41,600
Hwy 23	Future With Plan	High	50	60	83%	$ 39,000,000	41,600
Hwy 23	Future With Plan	Med	25	60	81%	$ 37,000,000	41,600
Hwy 23	Future With Plan	Med	50	60	83%	$ 39,000,000	41,600
Hwy 82	Current	Current	-	100	88%	$ 17,000,000	9,300
Hwy 82	Future Without Action	High	25	110	91%	$ 18,000,000	9,300
Hwy 82	Future Without Action	High	50	110	93%	$ 18,000,000	9,300
Hwy 82	Future Without Action	Med	25	110	91%	$ 18,000,000	9,300
Hwy 82	Future Without Action	Med	50	110	92%	$ 18,000,000	9,300
Hwy 82	Future With Plan	High	25	110	91%	$ 18,000,000	9,300
Hwy 82	Future With Plan	High	50	110	90%	$ 18,000,000	9,300
Hwy 82	Future With Plan	Med	25	110	91%	$ 18,000,000	9,300
Hwy 82	Future With Plan	Med	50	110	90%	$ 18,000,000	9,300
Hwy 90	Current	Current	-	40	20%	$ 18,000,000	95,800
Hwy 90	Future Without Action	High	25	80	37%	$ 37,000,000	95,800
Hwy 90	Future Without Action	High	50	120	56%	$ 64,000,000	95,800
Hwy 90	Future Without Action	Med	25	70	32%	$ 32,000,000	95,800
Hwy 90	Future Without Action	Med	50	100	48%	$ 51,000,000	95,800
Hwy 90	Future With Plan	High	25	50	22%	$ 21,000,000	95,800
Hwy 90	Future With Plan	High	50	80	39%	$ 31,000,000	95,800
Hwy 90	Future With Plan	Med	25	40	20%	$ 20,000,000	95,800
Hwy 90	Future With Plan	Med	50	60	29%	$ 23,000,000	95,800
Hwy 182	Current	Current	-	10	7%	$ 1,000,000	27,800
Hwy 182	Future Without Action	High	25	30	31%	$ 5,000,000	27,800
Hwy 182	Future Without Action	High	50	50	50%	$ 9,000,000	27,800
Hwy 182	Future Without Action	Med	25	30	30%	$ 5,000,000	27,800
Hwy 182	Future Without Action	Med	50	40	46%	$ 8,000,000	27,800
Hwy 182	Future With Plan	High	25	10	11%	$ 2,000,000	27,800

Route	Condition	Scenario	Year	Miles Flooded	Percent Flooded	Repair Costs	Average Daily Traffic*
Hwy 182	Future With Plan	High	50	40	36%	$ 6,000,000	27,800
Hwy 182	Future With Plan	Med	25	10	6%	$ 1,000,000	27,800
Hwy 182	Future With Plan	Med	50	20	25%	$ 4,000,000	27,800
I-10	Current	Current	-	30	21%	$ 22,000,000	124,100
I-10	Future Without Action	High	25	40	32%	$ 30,000,000	124,100
I-10	Future Without Action	High	50	70	53%	$ 47,000,000	124,100
I-10	Future Without Action	Med	25	40	30%	$ 27,000,000	124,100
I-10	Future Without Action	Med	50	50	38%	$ 35,000,000	124,100
I-10	Future With Plan	High	25	30	20%	$ 19,000,000	124,100
I-10	Future With Plan	High	50	60	44%	$ 38,000,000	124,100
I-10	Future With Plan	Med	25	20	18%	$ 18,000,000	124,100
I-10	Future With Plan	Med	50	40	26%	$ 24,000,000	124,100

* ADT pulled from single point, may not reflect total traffic for full extent of road