

## Regional Economic Impacts of Water Conveyance Facility Construction

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The tables in this appendix represent detailed estimates of the economic effects of constructing the proposed water conveyance facility under various alternatives. Results were developed using estimated construction expenditures as an input to the IMPLAN model, which applies multipliers to generate estimates of employment and income change for the five-county Delta region. Further discussion of this analytical approach is provided in Chapter 16, *Socioeconomics*, Section 16.3.1.2. Model results are presented by alternative, economic sector, and year of construction. Results are also presented in terms of direct and total effects; total effects incorporate direct, indirect, and induced economic effects.

1 **Table 1. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 1A:**  
 2 **Construction-Related Impacts**

Agriculture	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	23	0.0	1.3
Manufacturing and construction <sup>b</sup>	2,433	7,192	327.3	344.6
Transportation, utilities, & warehousing	0	201	0.4	14.2
Trade	0	935	0.0	37.5
Information	0	93	0.0	7.0
Financial, insurance, & real estate	0	762	0.0	34.6
Services	0	3,102	0.0	153.9
Government	0	40	0.0	3.6
<b>Total</b>	<b>2,433</b>	<b>12,348</b>	<b>327.7</b>	<b>596.7</b>
<b>Year 2</b>				
Agriculture	0	19	0.0	1.0
Manufacturing and construction <sup>b</sup>	2,714	6,395	248.2	261.6
Transportation, utilities, & warehousing	0	162	0.8	11.7
Trade	0	767	0.0	30.7
Information	0	75	0.0	5.6
Financial, insurance, & real estate	0	626	0.0	28.3
Services	0	2,505	0.0	123.4
Government	0	33	0.0	3.0
<b>Total</b>	<b>2,714</b>	<b>10,582</b>	<b>249.0</b>	<b>465.3</b>
<b>Year 3</b>				
Agriculture	0	22	0.0	1.2
Manufacturing and construction <sup>b</sup>	4,004	7,895	261.9	276.5
Transportation, utilities, & warehousing	0	182	0.7	13.1
Trade	0	891	0.0	35.6
Information	0	86	0.0	6.4
Financial, insurance, & real estate	0	730	0.0	32.8
Services	0	2,873	0.0	140.5
Government	0	38	0.0	3.5
<b>Total</b>	<b>4,004</b>	<b>12,716</b>	<b>262.6</b>	<b>509.6</b>
<b>Year 4</b>				
Agriculture	0	20	0.0	1.1
Manufacturing and construction <sup>b</sup>	4,390	7,593	215.1	227.7
Transportation, utilities, & warehousing	0	156	0.0	10.9
Trade	0	810	0.0	32.3
Information	0	77	0.0	5.7
Financial, insurance, & real estate	0	666	0.0	29.7
Services	0	2,579	0.0	125.3
Government	0	35	0.0	3.2
<b>Total</b>	<b>4,390</b>	<b>11,935</b>	<b>215.1</b>	<b>435.9</b>

Agriculture	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
Year 5				
Agriculture	0	14	0.0	0.8
Manufacturing and construction <sup>b</sup>	3,658	5,778	142.1	150.8
Transportation, utilities, & warehousing	0	111	0.0	7.7
Trade	0	589	0.0	23.5
Information	0	55	0.0	4.1
Financial, insurance, & real estate	0	486	0.0	21.6
Services	0	1,856	0.0	89.7
Government	0	26	0.0	2.3
Total	3,658	8,915	142.1	300.4
Year 6				
Agriculture	0	11	0.0	0.6
Manufacturing and construction <sup>b</sup>	3,636	4,960	88.1	94.2
Transportation, utilities, & warehousing	0	82	0.0	5.7
Trade	0	463	0.0	18.4
Information	0	42	0.0	3.1
Financial, insurance, & real estate	0	384	0.0	16.9
Services	0	1,426	0.0	68.1
Government	0	21	0.0	1.9
Total	3,636	7,389	88.1	208.8
Year 7				
Agriculture	0	2	0.0	0.1
Manufacturing and construction <sup>b</sup>	676	796	7.8	8.5
Transportation, utilities, & warehousing	0	11	0.0	0.8
Trade	0	66	0.0	2.6
Information	0	6	0.0	0.4
Financial, insurance, & real estate	0	56	0.0	2.4
Services	0	198	0.0	9.3
Government	0	3	0.0	0.3
Total	676	1,136	7.8	24.4
Year 8				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	165	172	0.4	0.5
Transportation, utilities, & warehousing	0	2	0.0	0.1
Trade	0	13	0.0	0.5
Information	0	1	0.0	0.1
Financial, insurance, & real estate	0	11	0.0	0.5
Services	0	36	0.0	1.7
Government	0	1	0.0	0.1
Total	165	235	0.4	3.4
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 2. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 1B (Unlined**  
 2 **Canal): Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	12	0.0	0.6
Manufacturing and construction <sup>b</sup>	2,599	4,569	132.3	140.0
Transportation, utilities, & warehousing	0	97	0.3	6.9
Trade	0	491	0.0	19.6
Information	0	47	0.0	3.5
Financial, insurance, & real estate	0	404	0.0	18.1
Services	0	1,567	0.0	76.3
Government	0	21	0.0	1.9
<b>Total</b>	<b>2,599</b>	<b>7,208</b>	<b>132.6</b>	<b>266.9</b>
<b>Year 2</b>				
Agriculture	0	12	0.0	0.7
Manufacturing and construction <sup>b</sup>	3,011	4,930	128.7	136.4
Transportation, utilities, & warehousing	0	101	0.6	7.4
Trade	0	513	0.0	20.4
Information	0	48	0.0	3.6
Financial, insurance, & real estate	0	422	0.0	18.8
Services	0	1,623	0.0	78.6
Government	0	22	0.0	2.0
<b>Total</b>	<b>3,011</b>	<b>7,673</b>	<b>129.3</b>	<b>268.0</b>
<b>Year 3</b>				
Agriculture	0	19	0.0	1.0
Manufacturing and construction <sup>b</sup>	5,735	8,261	168.6	179.6
Transportation, utilities, & warehousing	0	148	0.6	10.7
Trade	0	800	0.0	31.8
Information	0	74	0.0	5.5
Financial, insurance, & real estate	0	662	0.0	29.3
Services	0	2,486	0.0	119.2
Government	0	35	0.0	3.2
<b>Total</b>	<b>5,735</b>	<b>12,484</b>	<b>169.2</b>	<b>380.3</b>
<b>Year 4</b>				
Agriculture	0	20	0.0	1.1
Manufacturing and construction <sup>b</sup>	6,279	8,684	160.2	171.0
Transportation, utilities, & warehousing	0	146	0.0	10.1
Trade	0	818	0.0	32.5
Information	0	75	0.0	5.6
Financial, insurance, & real estate	0	678	0.0	29.9
Services	0	2,527	0.0	120.7
Government	0	36	0.0	3.3
<b>Total</b>	<b>6,279</b>	<b>12,985</b>	<b>160.2</b>	<b>374.3</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
Year 5				
Agriculture	0	17	0.0	0.9
Manufacturing and construction <sup>b</sup>	5,512	7,435	127.8	136.8
Transportation, utilities, & warehousing	0	121	0.0	8.4
Trade	0	689	0.0	27.4
Information	0	63	0.0	4.7
Financial, insurance & real estate	0	572	0.0	25.2
Services	0	2,118	0.0	100.9
Government	0	31	0.0	2.8
Total	5,512	11,045	127.9	307.0
Year 6				
Agriculture	0	12	0.0	0.7
Manufacturing and construction <sup>b</sup>	4,702	5,851	75.8	81.8
Transportation, utilities, & warehousing	0	86	0.0	6.0
Trade	0	511	0.0	20.2
Information	0	46	0.0	3.4
Financial, insurance, & real estate	0	426	0.0	18.6
Services	0	1,544	0.0	72.9
Government	0	23	0.0	2.1
Total	4,702	8,499	75.8	205.6
Year 7				
Agriculture	0	4	0.0	0.2
Manufacturing and construction <sup>b</sup>	1,543	2,047	33.5	35.9
Transportation, utilities, & warehousing	0	33	0.0	2.3
Trade	0	188	0.0	7.4
Information	0	17	0.0	1.3
Financial, insurance, & real estate	0	156	0.0	6.8
Services	0	575	0.0	27.3
Government	0	8	0.0	0.8
Total	1,543	3,028	33.5	82.0
Year 8				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	245	266	1.3	1.5
Transportation, utilities, & warehousing	0	3	0.0	0.2
Trade	0	21	0.0	0.8
Information	0	2	0.0	0.1
Financial, insurance, & real estate	0	17	0.0	0.7
Services	0	60	0.0	2.8
Government	0	1	0.0	0.1
Total	245	370	1.3	6.3
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 3. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 1B –(Lined**  
 2 **Canal): Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	12	0.0	0.7
Manufacturing and construction <sup>b</sup>	2,608	4,581	132.5	140.2
Transportation, utilities, & warehousing	0	97	0.3	6.9
Trade	0	492	0.0	19.6
Information	0	47	0.0	3.5
Financial, insurance, & real estate	0	405	0.0	18.1
Services	0	1,571	0.0	76.4
Government	0	21	0.0	1.9
<b>Total</b>	<b>2,608</b>	<b>7,226</b>	<b>132.8</b>	<b>267.4</b>
<b>Year 2</b>				
Agriculture	0	13	0.0	0.7
Manufacturing and construction <sup>b</sup>	3,028	4,965	129.8	137.6
Transportation, utilities, & warehousing	0	102	0.6	7.5
Trade	0	517	0.0	20.6
Information	0	49	0.0	3.6
Financial, insurance &, real estate	0	426	0.0	19.0
Services	0	1,636	0.0	79.2
Government	0	23	0.0	2.0
<b>Total</b>	<b>3,028</b>	<b>7,728</b>	<b>130.5</b>	<b>270.2</b>
<b>Year 3</b>				
Agriculture	0	19	0.0	1.1
Manufacturing and construction <sup>b</sup>	5,780	8,333	170.4	181.6
Transportation, utilities, & warehousing	0	150	0.6	10.8
Trade	0	807	0.0	32.1
Information	0	75	0.0	5.5
Financial, insurance, & real estate	0	668	0.0	29.5
Services	0	2,510	0.0	120.4
Government	0	36	0.0	3.2
<b>Total</b>	<b>5,780</b>	<b>12,597</b>	<b>171.0</b>	<b>384.2</b>
<b>Year 4</b>				
Agriculture	0	20	0.0	1.1
Manufacturing and construction <sup>b</sup>	6,326	8,762	162.3	173.3
Transportation, utilities, & warehousing	0	147	0.0	10.3
Trade	0	826	0.0	32.8
Information	0	76	0.0	5.6
Financial, insurance, & real estate	0	685	0.0	30.2
Services	0	2,553	0.0	122.0
Government	0	37	0.0	3.3
<b>Total</b>	<b>6,326</b>	<b>13,106</b>	<b>162.3</b>	<b>378.6</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
Year 5				
Agriculture	0	17	0.0	0.9
Manufacturing and construction <sup>b</sup>	5,568	7,524	130.0	139.1
Transportation, utilities, & warehousing	0	123	0.0	8.6
Trade	0	698	0.0	27.7
Information	0	64	0.0	4.7
Financial, insurance, & real estate	0	579	0.0	25.5
Services	0	2,146	0.0	102.3
Government	0	31	0.0	2.8
<b>Total</b>	<b>5,568</b>	<b>11,181</b>	<b>130.1</b>	<b>311.6</b>
Year 6				
Agriculture	0	12	0.0	0.7
Manufacturing and construction <sup>b</sup>	4,726	5,886	76.5	82.6
Transportation, utilities, & warehousing	0	86	0.0	6.0
Trade	0	514	0.0	20.4
Information	0	46	0.0	3.4
Financial, insurance, & real estate	0	429	0.0	18.7
Services	0	1,555	0.0	73.4
Government	0	23	0.0	2.1
<b>Total</b>	<b>4,726</b>	<b>8,551</b>	<b>76.5</b>	<b>207.2</b>
Year 7				
Agriculture	0	5	0.0	0.2
Manufacturing and construction <sup>b</sup>	1,571	2,087	34.3	36.7
Transportation, utilities & warehousing	0	33	0.0	2.3
Trade	0	191	0.0	7.6
Information	0	17	0.0	1.3
Financial, insurance, & real estate	0	159	0.0	7.0
Services	0	587	0.0	27.9
Government	0	9	0.0	0.8
<b>Total</b>	<b>1,571</b>	<b>3,088</b>	<b>34.3</b>	<b>83.9</b>
Year 8				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	245	267	1.3	1.5
Transportation, utilities, & warehousing	0	3	0.0	0.2
Trade	0	21	0.0	0.8
Information	0	2	0.0	0.1
Financial, insurance, & real estate	0	17	0.0	0.7
Services	0	60	0.0	2.8
Government	0	1	0.0	0.1
<b>Total</b>	<b>245</b>	<b>371</b>	<b>1.3</b>	<b>6.3</b>
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

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1 **Table 4. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 1C –(Unlined**  
 2 **Canal): Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	16	0.0	0.9
Manufacturing and construction <sup>b</sup>	2,747	5,677	197.3	208.2
Transportation, utilities, & warehousing	0	133	0.3	9.4
Trade	0	651	0.0	26.0
Information	0	63	0.0	4.7
Financial, insurance, & real estate	0	533	0.0	24.0
Services	0	2,109	0.0	103.4
Government	0	28	0.0	2.5
<b>Total</b>	<b>2,747</b>	<b>9,209</b>	<b>197.6</b>	<b>379.1</b>
<b>Year 2</b>				
Agriculture	0	14	0.0	0.8
Manufacturing and construction <sup>b</sup>	3,016	5,324	155.1	164.1
Transportation, utilities, & warehousing	0	115	0.7	8.4
Trade	0	574	0.0	22.9
Information	0	55	0.0	4.1
Financial, insurance, & real estate	0	472	0.0	21.1
Services	0	1,832	0.0	89.1
Government	0	25	0.0	2.2
<b>Total</b>	<b>3,016</b>	<b>8,411</b>	<b>155.8</b>	<b>312.7</b>
<b>Year 3</b>				
Agriculture	0	19	0.0	1.0
Manufacturing and construction <sup>b</sup>	4,915	7,611	180.5	191.6
Transportation, utilities, & warehousing	0	147	0.6	10.6
Trade	0	768	0.0	30.6
Information	0	72	0.0	5.4
Financial, insurance, & real estate	0	634	0.0	28.2
Services	0	2,414	0.0	116.5
Government	0	34	0.0	3.0
<b>Total</b>	<b>4,915</b>	<b>11,698</b>	<b>181.1</b>	<b>386.9</b>
<b>Year 4</b>				
Agriculture	0	18	0.0	1.0
Manufacturing and construction <sup>b</sup>	5,300	7,649	156.9	167.1
Transportation, utilities, & warehousing	0	134	0.0	9.4
Trade	0	741	0.0	29.4
Information	0	68	0.0	5.1
Financial, insurance, & real estate	0	613	0.0	27.1
Services	0	2,303	0.0	110.5
Government	0	33	0.0	3.0
<b>Total</b>	<b>5,300</b>	<b>11,559</b>	<b>156.9</b>	<b>352.5</b>



	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 5</b>				
Agriculture	0	15	0.0	0.8
Manufacturing and construction <sup>b</sup>	4,794	6,606	120.7	128.9
Transportation, utilities, & warehousing	0	110	0.0	7.7
Trade	0	621	0.0	24.7
Information	0	57	0.0	4.2
Financial, insurance, & real estate	0	515	0.0	22.7
Services	0	1,916	0.0	91.5
Government	0	28	0.0	2.5
<b>Total</b>	<b>4,794</b>	<b>9,867</b>	<b>120.7</b>	<b>283.0</b>
<b>Year 6</b>				
Agriculture	0	11	0.0	0.6
Manufacturing and construction <sup>b</sup>	4,194	5,318	74.3	80.0
Transportation, utilities, & warehousing	0	80	0.0	5.6
Trade	0	471	0.0	18.7
Information	0	42	0.0	3.1
Financial, insurance, & real estate	0	392	0.0	17.2
Services	0	1,430	0.0	67.7
Government	0	21	0.0	1.9
<b>Total</b>	<b>4,194</b>	<b>7,767</b>	<b>74.3</b>	<b>194.8</b>
<b>Year 7</b>				
Agriculture	0	3	0.0	0.2
Manufacturing and construction <sup>b</sup>	1,128	1,450	21.3	22.9
Transportation, utilities, & warehousing	0	22	0.0	1.6
Trade	0	130	0.0	5.1
Information	0	12	0.0	0.9
Financial, insurance, & real estate	0	108	0.0	4.7
Services	0	395	0.0	18.7
Government	0	6	0.0	0.5
<b>Total</b>	<b>1,128</b>	<b>2,126</b>	<b>21.3</b>	<b>54.6</b>
<b>Year 8</b>				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	236	254	1.1	1.3
Transportation, utilities, & warehousing	0	3	0.0	0.2
Trade	0	19	0.0	0.8
Information	0	2	0.0	0.1
Financial, insurance, & real estate	0	16	0.0	0.7
Services	0	56	0.0	2.6
Government	0	1	0.0	0.1
<b>Total</b>	<b>236</b>	<b>352</b>	<b>1.1</b>	<b>5.8</b>
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 5. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 1C –(Lined**  
 2 **Canal): Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	16	0.0	0.9
Manufacturing and construction <sup>b</sup>	2,775	5,712	197.8	208.7
Transportation, utilities, & warehousing	0	133	0.3	9.5
Trade	0	655	0.0	26.2
Information	0	63	0.0	4.7
Financial, insurance, & real estate	0	536	0.0	24.1
Services	0	2,118	0.0	103.8
Government	0	28	0.0	2.5
<b>Total</b>	<b>2,775</b>	<b>9,262</b>	<b>198.1</b>	<b>380.5</b>
<b>Year 2</b>				
Agriculture	0	14	0.0	0.8
Manufacturing and construction <sup>b</sup>	3,068	5,429	158.6	167.8
Transportation, utilities, & warehousing	0	118	0.7	8.6
Trade	0	586	0.0	23.4
Information	0	56	0.0	4.2
Financial, insurance, & real estate	0	481	0.0	21.5
Services	0	1,870	0.0	91.0
Government	0	25	0.0	2.3
<b>Total</b>	<b>3,068</b>	<b>8,579</b>	<b>159.3</b>	<b>319.5</b>
<b>Year 3</b>				
Agriculture	0	19	0.0	1.0
Manufacturing and construction <sup>b</sup>	5,053	7,833	186.2	197.7
Transportation, utilities, & warehousing	0	151	0.6	10.9
Trade	0	791	0.0	31.5
Information	0	74	0.0	5.5
Financial, insurance, & real estate	0	653	0.0	29.0
Services	0	2,487	0.0	120.0
Government	0	35	0.0	3.1
<b>Total</b>	<b>5,053</b>	<b>12,044</b>	<b>186.8</b>	<b>398.8</b>
<b>Year 4</b>				
Agriculture	0	18	0.0	1.0
Manufacturing and construction <sup>b</sup>	5,443	7,888	163.2	173.8
Transportation, utilities, & warehousing	0	139	0.0	9.7
Trade	0	766	0.0	30.4
Information	0	71	0.0	5.3
Financial, insurance, & real estate	0	633	0.0	28.0
Services	0	2,382	0.0	114.4
Government	0	34	0.0	3.1
<b>Total</b>	<b>5,443</b>	<b>11,931</b>	<b>163.3</b>	<b>365.7</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 5</b>				
Agriculture	0	16	0.0	0.8
Manufacturing and construction <sup>b</sup>	4,965	6,877	127.4	136.0
Transportation, utilities, & warehousing	0	116	0.0	8.1
Trade	0	649	0.0	25.8
Information	0	59	0.0	4.4
Financial, insurance, & real estate	0	538	0.0	23.7
Services	0	2,003	0.0	95.8
Government	0	29	0.0	2.6
<b>Total</b>	<b>4,965</b>	<b>10,286</b>	<b>127.4</b>	<b>297.1</b>
<b>Year 6</b>				
Agriculture	0	11	0.0	0.6
Manufacturing and construction <sup>b</sup>	4,266	5,423	76.5	82.4
Transportation, utilities, & warehousing	0	82	0.0	5.7
Trade	0	482	0.0	19.1
Information	0	43	0.0	3.2
Financial, insurance, & real estate	0	401	0.0	17.6
Services	0	1,462	0.0	69.2
Government	0	22	0.0	1.9
<b>Total</b>	<b>4,266</b>	<b>7,926</b>	<b>76.5</b>	<b>199.7</b>
<b>Year 7</b>				
Agriculture	0	3	0.0	0.2
Manufacturing and construction <sup>b</sup>	1,212	1,572	23.8	25.6
Transportation, utilities, & warehousing	0	24	0.0	1.7
Trade	0	142	0.0	5.6
Information	0	13	0.0	0.9
Financial, insurance, & real estate	0	118	0.0	5.2
Services	0	432	0.0	20.5
Government	0	6	0.0	0.6
<b>Total</b>	<b>1,212</b>	<b>2,311</b>	<b>23.9</b>	<b>60.3</b>
<b>Year 8</b>				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	237	255	1.1	1.3
Transportation, utilities, & warehousing	0	3	0.0	0.2
Trade	0	20	0.0	0.8
Information	0	2	0.0	0.1
Financial, insurance, & real estate	0	16	0.0	0.7
Services	0	57	0.0	2.6
Government	0	1	0.0	0.1
<b>Total</b>	<b>237</b>	<b>353</b>	<b>1.1</b>	<b>5.8</b>
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 6. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 3:**  
 2 **Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	19	0.0	1.0
Manufacturing and construction <sup>b</sup>	1,818	5,994	282.2	296.7
Transportation, utilities, & warehousing	0	169	0.3	11.9
Trade	0	780	0.0	31.3
Information	0	77	0.0	5.8
Financial, insurance, & real estate	0	634	0.0	28.9
Services	0	2,590	0.0	128.6
Government	0	33	0.0	3.0
<b>Total</b>	<b>1,818</b>	<b>10,297</b>	<b>282.5</b>	<b>507.2</b>
<b>Year 2</b>				
Agriculture	0	15	0.0	0.8
Manufacturing and construction <sup>b</sup>	2,034	5,103	207.0	218.0
Transportation, utilities, & warehousing	0	133	0.7	9.7
Trade	0	623	0.0	25.0
Information	0	61	0.0	4.6
Financial, insurance, & real estate	0	508	0.0	23.0
Services	0	2,044	0.0	100.8
Government	0	23	0.0	2.0
<b>Total</b>	<b>2,034</b>	<b>8,511</b>	<b>207.7</b>	<b>384.0</b>
<b>Year 3</b>				
Agriculture	0	17	0.0	0.9
Manufacturing and construction <sup>b</sup>	2,713	5,890	214.1	225.8
Transportation, utilities, & warehousing	0	143	0.6	10.3
Trade	0	688	0.0	27.5
Information	0	67	0.0	5.0
Financial, insurance, & real estate	0	563	0.0	25.4
Services	0	2,236	0.0	109.8
Government	0	29	0.0	2.7
<b>Total</b>	<b>2,713</b>	<b>9,634</b>	<b>214.8</b>	<b>407.4</b>
<b>Year 4</b>				
Agriculture	0	15	0.0	0.8
Manufacturing and construction <sup>b</sup>	2,849	5,412	172.5	182.2
Transportation, utilities, & warehousing	0	119	0.0	8.3
Trade	0	601	0.0	24.0
Information	0	58	0.0	4.3
Financial, insurance, & real estate	0	493	0.0	22.1
Services	0	1,932	0.0	94.4
Government	0	26	0.0	2.3
<b>Total</b>	<b>2,849</b>	<b>8,656</b>	<b>172.5</b>	<b>338.5</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 5</b>				
Agriculture	0	11	0.0	0.6
Manufacturing and construction <sup>b</sup>	2,578	4,341	118.3	125.3
Transportation, utilities, & warehousing	0	88	0.0	6.1
Trade	0	457	0.0	18.2
Information	0	43	0.0	3.2
Financial, insurance, & real estate	0	376	0.0	16.8
Services	0	1,451	0.0	70.4
Government	0	20	0.0	1.8
<b>Total</b>	<b>2,578</b>	<b>6,787</b>	<b>118.3</b>	<b>242.4</b>
<b>Year 6</b>				
Agriculture	0	8	0.0	0.4
Manufacturing and construction <sup>b</sup>	2,320	3,324	67.0	71.4
Transportation, utilities, & warehousing	0	58	0.0	4.0
Trade	0	320	0.0	12.7
Information	0	30	0.0	2.2
Financial, insurance, & real estate	0	265	0.0	11.7
Services	0	995	0.0	47.7
Government	0	14	0.0	1.3
<b>Total</b>	<b>2,320</b>	<b>5,013</b>	<b>67.0</b>	<b>151.5</b>
<b>Year 7</b>				
Agriculture	0	1	0.0	0.1
Manufacturing and construction <sup>b</sup>	482	569	5.7	6.2
Transportation, utilities, & warehousing	0	8	0.0	0.5
Trade	0	48	0.0	1.9
Information	0	4	0.0	0.3
Financial, insurance, & real estate	0	40	0.0	1.7
Services	0	142	0.0	6.6
Government	0	2	0.0	0.2
<b>Total</b>	<b>482</b>	<b>813</b>	<b>5.7</b>	<b>17.6</b>
<b>Year 8</b>				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	111	115	0.2	0.3
Transportation, utilities, & warehousing	0	1	0.0	0.1
Trade	0	8	0.0	0.3
Information	0	1	0.0	0.1
Financial, insurance, & real estate	0	7	0.0	0.3
Services	0	24	0.0	1.1
Government	0	0	0.0	0.0
<b>Total</b>	<b>111</b>	<b>157</b>	<b>0.2</b>	<b>2.2</b>
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 7. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 4:**  
 2 **Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	31	0.0	1.7
Manufacturing and construction <sup>b</sup>	2,437	9,221	458.6	481.9
Transportation, utilities, & warehousing	0	268	0.3	18.8
Trade	0	1,231	0.0	49.4
Information	0	123	0.0	9.3
Financial, insurance, & real estate	0	999	0.0	45.6
Services	0	4,105	0.0	204.3
Government	0	52	0.0	4.7
<b>Total</b>	<b>2,437</b>	<b>16,029</b>	<b>459.0</b>	<b>815.6</b>
<b>Year 2</b>				
Agriculture	0	25	0.0	1.4
Manufacturing and construction <sup>b</sup>	2,944	8,125	349.8	368.1
Transportation, utilities, & warehousing	0	217	0.6	15.5
Trade	0	1,017	0.0	40.8
Information	0	100	0.0	7.5
Financial, insurance, & real estate	0	829	0.0	37.6
Services	0	3,351	0.0	165.8
Government	0	43	0.0	3.9
<b>Total</b>	<b>2,944</b>	<b>13,707</b>	<b>350.4</b>	<b>640.5</b>
<b>Year 3</b>				
Agriculture	0	27	0.0	1.5
Manufacturing and construction <sup>b</sup>	3,937	9,228	356.8	376.0
Transportation, utilities, & warehousing	0	230	0.6	16.4
Trade	0	1,105	0.0	44.2
Information	0	108	0.0	8.1
Financial, insurance, & real estate	0	902	0.0	40.8
Services	0	3,607	0.0	177.6
Government	0	47	0.0	4.3
<b>Total</b>	<b>3,937</b>	<b>15,254</b>	<b>357.4</b>	<b>668.7</b>
<b>Year 4</b>				
Agriculture	0	23	0.0	1.2
Manufacturing and construction <sup>b</sup>	3,825	8,046	284.4	300.0
Transportation, utilities, & warehousing	0	187	0.0	13.0
Trade	0	929	0.0	37.1
Information	0	90	0.0	6.7
Financial, insurance, & real estate	0	760	0.0	34.2
Services	0	3,011	0.0	147.7
Government	0	40	0.0	3.6
<b>Total</b>	<b>3,825</b>	<b>13,086</b>	<b>284.4</b>	<b>543.7</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 5</b>				
Agriculture	0	17	0.0	0.9
Manufacturing and construction <sup>b</sup>	3,533	6,448	196.0	207.2
Transportation, utilities, & warehousing	0	138	0.0	9.6
Trade	0	705	0.0	28.1
Information	0	67	0.0	5.0
Financial, insurance, & real estate	0	578	0.0	25.9
Services	0	2,256	0.0	110.0
Government	0	30	0.0	2.8
<b>Total</b>	<b>3,533</b>	<b>10,240</b>	<b>196.0</b>	<b>389.5</b>
<b>Year 6</b>				
Agriculture	0	10	0.0	0.5
Manufacturing and construction <sup>b</sup>	2,682	4,138	97.5	103.5
Transportation, utilities, & warehousing	0	77	0.0	5.4
Trade	0	417	0.0	16.6
Information	0	39	0.0	2.9
Financial, insurance, & real estate	0	344	0.0	15.3
Services	0	1,309	0.0	63.1
Government	0	18	0.0	1.7
<b>Total</b>	<b>2,682</b>	<b>6,351</b>	<b>97.5</b>	<b>209.0</b>
<b>Year 7</b>				
Agriculture	0	2	0.0	0.1
Manufacturing and construction <sup>b</sup>	769	906	8.9	9.7
Transportation, utilities, & warehousing	0	12	0.0	0.9
Trade	0	76	0.0	3.0
Information	0	7	0.0	0.5
Financial, insurance, & real estate	0	63	0.0	2.7
Services	0	225	0.0	10.6
Government	0	3	0.0	0.3
<b>Total</b>	<b>769</b>	<b>1,295</b>	<b>8.9</b>	<b>27.8</b>
<b>Year 8</b>				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	132	136	0.2	0.3
Transportation, utilities, & warehousing	0	1	0.0	0.1
Trade	0	10	0.0	0.4
Information	0	1	0.0	0.1
Financial, insurance, & real estate	0	8	0.0	0.4
Services	0	28	0.0	1.3
Government	0	0	0.0	0.0
<b>Total</b>	<b>132</b>	<b>186</b>	<b>0.2</b>	<b>2.5</b>
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 8. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 5:**  
 2 **Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	10	0.0	0.5
Manufacturing and construction <sup>b</sup>	886	2,950	139.5	146.6
Transportation, utilities, & warehousing	0	83	0.2	5.9
Trade	0	385	0.0	15.4
Information	0	38	0.0	2.9
Financial, insurance, & real estate	0	313	0.0	14.2
Services	0	1,278	0.0	63.5
Government	0	16	0.0	1.5
<b>Total</b>	<b>886</b>	<b>5,073</b>	<b>139.6</b>	<b>250.5</b>
<b>Year 2</b>				
Agriculture	0	8	0.0	0.4
Manufacturing and construction <sup>b</sup>	1,004	2,558	104.8	110.4
Transportation, utilities, & warehousing	0	67	0.4	4.9
Trade	0	314	0.0	12.6
Information	0	31	0.0	2.3
Financial, insurance, & real estate	0	256	0.0	11.6
Services	0	1,030	0.0	50.8
Government	0	13	0.0	1.2
<b>Total</b>	<b>1,004</b>	<b>4,277</b>	<b>105.2</b>	<b>194.2</b>
<b>Year 3</b>				
Agriculture	0	8	0.0	0.5
Manufacturing and construction <sup>b</sup>	1,317	2,914	107.6	113.5
Transportation, utilities, & warehousing	0	72	0.3	5.2
Trade	0	343	0.0	13.7
Information	0	33	0.0	2.5
Financial, insurance, & real estate	0	280	0.0	12.6
Services	0	1,115	0.0	54.8
Government	0	15	0.0	1.3
<b>Total</b>	<b>1,317</b>	<b>4,780</b>	<b>108.0</b>	<b>204.1</b>
<b>Year 4</b>				
Agriculture	0	7	0.0	0.4
Manufacturing and construction <sup>b</sup>	1,372	2,671	87.4	92.3
Transportation, utilities, & warehousing	0	60	0.0	4.1
Trade	0	300	0.0	12.0
Information	0	29	0.0	2.2
Financial, insurance, & real estate	0	245	0.0	11.0
Services	0	965	0.0	47.2
Government	0	13	0.0	1.2
<b>Total</b>	<b>1,372</b>	<b>4,290</b>	<b>87.4</b>	<b>170.4</b>



	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
Year 5				
Agriculture	0	6	0.0	0.3
Manufacturing and construction <sup>b</sup>	1,254	2,148	60.0	63.5
Transportation, utilities, & warehousing	0	44	0.0	3.1
Trade	0	228	0.0	9.1
Information	0	22	0.0	1.6
Financial, insurance, & real estate	0	188	0.0	8.4
Services	0	726	0.0	35.2
Government	0	10	0.0	0.9
Total	1,254	3,370	60.0	122.1
Year 6				
Agriculture	0	3	0.0	0.2
Manufacturing and construction <sup>b</sup>	987	1,445	30.6	32.5
Transportation, utilities, & warehousing	0	26	0.0	1.8
Trade	0	141	0.0	5.6
Information	0	13	0.0	1.0
Financial, insurance, & real estate	0	117	0.0	5.2
Services	0	440	0.0	21.1
Government	0	6	0.0	0.6
Total	987	2,191	30.6	67.9
Year 7				
Agriculture	0	1	0.0	0.0
Manufacturing and construction <sup>b</sup>	249	295	3.0	3.3
Transportation, utilities, & warehousing	0	4	0.0	0.3
Trade	0	25	0.0	1.0
Information	0	2	0.0	0.2
Financial, insurance, & real estate	0	21	0.0	0.9
Services	0	74	0.0	3.5
Government	0	1	0.0	0.1
Total	249	422	3.0	9.2
Year 8				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	52	54	0.1	0.1
Transportation, utilities, & warehousing	0	1	0.0	0.0
Trade	0	4	0.0	0.2
Information	0	0	0.0	0.0
Financial, insurance, & real estate	0	3	0.0	0.1
Services	0	11	0.0	0.5
Government	0	0	0.0	0.0
Total	52	73	0.1	1.0
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

1 **Table 9. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 7:**  
 2 **Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	21	0.0	1.1
Manufacturing and construction <sup>b</sup>	2,018	6,434	298.4	313.7
Transportation, utilities, & warehousing	0	179	0.4	12.7
Trade	0	832	0.0	33.4
Information	0	82	0.0	6.2
Financial, insurance, & real estate	0	676	0.0	30.8
Services	0	2,758	0.0	136.9
Government	0	35	0.0	3.2
<b>Total</b>	<b>2,018</b>	<b>11,018</b>	<b>298.7</b>	<b>537.9</b>
<b>Year 2</b>				
Agriculture	0	16	0.0	0.9
Manufacturing and construction <sup>b</sup>	2,256	5,516	219.9	231.6
Transportation, utilities, & warehousing	0	142	0.7	10.3
Trade	0	669	0.0	26.8
Information	0	65	0.0	4.9
Financial, insurance, & real estate	0	546	0.0	24.7
Services	0	2,190	0.0	108.0
Government	0	29	0.0	2.6
<b>Total</b>	<b>2,256</b>	<b>9,174</b>	<b>220.6</b>	<b>409.8</b>
<b>Year 3</b>				
Agriculture	0	18	0.0	1.0
Manufacturing and construction <sup>b</sup>	3,141	6,544	229.2	241.8
Transportation, utilities, & warehousing	0	156	0.7	11.2
Trade	0	754	0.0	30.1
Information	0	73	0.0	5.5
Financial, insurance, & real estate	0	617	0.0	27.8
Services	0	2,441	0.0	119.7
Government	0	32	0.0	2.9
<b>Total</b>	<b>3,141</b>	<b>10,635</b>	<b>229.9</b>	<b>440.1</b>
<b>Year 4</b>				
Agriculture	0	16	0.0	0.9
Manufacturing and construction <sup>b</sup>	3,360	6,128	186.1	196.7
Transportation, utilities, & warehousing	0	131	0.0	9.1
Trade	0	669	0.0	26.7
Information	0	64	0.0	4.8
Financial, insurance, & real estate	0	549	0.0	24.6
Services	0	2,143	0.0	104.5
Government	0	29	0.0	2.6
<b>Total</b>	<b>3,360</b>	<b>9,729</b>	<b>186.1</b>	<b>369.9</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 5</b>				
Agriculture	0	11	0.0	0.6
Manufacturing and construction <sup>b</sup>	2,937	4,809	125.9	133.1
Transportation, utilities, & warehousing	0	89	0.0	6.2
Trade	0	456	0.0	18.2
Information	0	43	0.0	3.3
Financial, insurance, & real estate	0	375	0.0	16.8
Services	0	1,460	0.0	71.1
Government	0	20	0.0	1.8
<b>Total</b>	<b>2,937</b>	<b>7,264</b>	<b>125.9</b>	<b>251.1</b>
<b>Year 6</b>				
Agriculture	0	9	0.0	0.5
Manufacturing and construction <sup>b</sup>	2,763	3,873	74.0	78.9
Transportation, utilities, & warehousing	0	66	0.0	4.6
Trade	0	368	0.0	14.6
Information	0	34	0.0	2.5
Financial, insurance, & real estate	0	305	0.0	13.5
Services	0	1,139	0.0	54.5
Government	0	16	0.0	1.5
<b>Total</b>	<b>2,763</b>	<b>5,811</b>	<b>74.0</b>	<b>170.6</b>
<b>Year 7</b>				
Agriculture	0	1	0.0	0.1
Manufacturing and construction <sup>b</sup>	547	646	6.4	7.0
Transportation, utilities, & warehousing	0	9	0.0	0.6
Trade	0	54	0.0	2.1
Information	0	5	0.0	0.3
Financial, insurance, & real estate	0	45	0.0	2.0
Services	0	161	0.0	7.5
Government	0	2	0.0	0.2
<b>Total</b>	<b>547</b>	<b>923</b>	<b>6.4</b>	<b>19.9</b>
<b>Year 8</b>				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	129	134	0.3	0.4
Transportation, utilities, & warehousing	0	1	0.0	0.1
Trade	0	10	0.0	0.4
Information	0	1	0.0	0.1
Financial, insurance, & real estate	0	8	0.0	0.4
Services	0	28	0.0	1.3
Government	0	0	0.0	0.0
<b>Total</b>	<b>129</b>	<b>183</b>	<b>0.3</b>	<b>2.6</b>
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				

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1 **Table 10. Regional Economic Impacts By Affected Sector – Delta Region, Alternative 9:**  
 2 **Construction-Related Impacts**

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
<b>Year 1</b>				
Agriculture	0	7	0.0	0.4
Manufacturing and construction <sup>b</sup>	1,922	2,793	58.1	61.9
Transportation, utilities, & warehousing	0	49	0.0	3.4
Trade	0	271	0.0	10.8
Information	0	25	0.0	1.9
Financial, insurance, & real estate	0	225	0.0	9.9
Services	0	845	0.0	40.6
Government	0	12	0.0	1.1
<b>Total</b>	<b>1,922</b>	<b>4,227</b>	<b>58.1</b>	<b>129.9</b>
<b>Year 2</b>				
Agriculture	0	7	0.0	0.4
Manufacturing and construction <sup>b</sup>	2,146	2,973	55.1	58.8
Transportation, utilities, & warehousing	0	50	0.0	3.5
Trade	0	280	0.0	11.1
Information	0	26	0.0	1.9
Financial, insurance, & real estate	0	232	0.0	10.2
Services	0	866	0.0	41.4
Government	0	12	0.0	1.1
<b>Total</b>	<b>2,146</b>	<b>4,446</b>	<b>55.1</b>	<b>128.5</b>
<b>Year 3</b>				
Agriculture	0	9	0.0	0.5
Manufacturing and construction <sup>b</sup>	3,087	4,177	72.5	77.5
Transportation, utilities, & warehousing	0	68	0.0	4.7
Trade	0	388	0.0	15.4
Information	0	35	0.0	2.6
Financial, insurance, & real estate	0	322	0.0	14.2
Services	0	1,193	0.0	56.9
Government	0	17	0.0	1.6
<b>Total</b>	<b>3,087</b>	<b>6,209</b>	<b>72.5</b>	<b>173.4</b>
<b>Year 4</b>				
Agriculture	0	9	0.0	0.5
Manufacturing and construction <sup>b</sup>	3,209	4,298	72.3	77.4
Transportation, utilities, & warehousing	0	69	0.0	4.8
Trade	0	396	0.0	15.7
Information	0	36	0.0	2.7
Financial, insurance, & real estate	0	329	0.0	14.5
Services	0	1,216	0.0	57.9
Government	0	18	0.0	1.6
<b>Total</b>	<b>3,209</b>	<b>6,371</b>	<b>72.3</b>	<b>175.1</b>

	Employment		Income (million\$)	
	Direct	Total <sup>a</sup>	Direct	Total <sup>a</sup>
Year 5				
Agriculture	0	6	0.0	0.3
Manufacturing and construction <sup>b</sup>	2,277	2,873	39.4	42.4
Transportation, utilities, & warehousing	0	43	0.0	3.0
Trade	0	254	0.0	10.1
Information	0	23	0.0	1.7
Financial, insurance, & real estate	0	211	0.0	9.2
Services	0	769	0.0	36.4
Government	0	11	0.0	1.0
Total	2,277	4,190	39.4	104.1
Year 6				
Agriculture	0	7	0.0	0.4
Manufacturing and construction <sup>b</sup>	2,798	3,490	45.7	49.3
Transportation, utilities, & warehousing	0	51	0.0	3.6
Trade	0	305	0.0	12.1
Information	0	27	0.0	2.0
Financial, insurance, & real estate	0	255	0.0	11.1
Services	0	923	0.0	43.6
Government	0	14	0.0	1.2
Total	2,798	5,073	45.7	123.3
Year 7				
Agriculture	0	1	0.0	0.0
Manufacturing and construction <sup>b</sup>	318	408	6.0	6.4
Transportation, utilities, & warehousing	0	6	0.0	0.4
Trade	0	37	0.0	1.4
Information	0	3	0.0	0.2
Financial, insurance, & real estate	0	30	0.0	1.3
Services	0	111	0.0	5.3
Government	0	2	0.0	0.1
Total	318	598	6.0	15.3
Year 8				
Agriculture	0	0	0.0	0.0
Manufacturing and construction <sup>b</sup>	85	86	0.0	0.0
Transportation, utilities, & warehousing	0	1	0.0	0.1
Trade	0	6	0.0	0.2
Information	0	1	0.0	0.0
Financial, insurance, & real estate	0	5	0.0	0.2
Services	0	17	0.0	0.8
Government	0	0	0.0	0.0
Total	85	117	0.0	1.4
<sup>a</sup> Includes direct, indirect & induced effects.				
<sup>b</sup> Includes natural resources and mining.				