

Attachment E

Summary of Financial Impact

**SUMMARY OF FINANCIAL IMPACT OF THE PROPOSED ALPHA
OLEFIN CHEMICAL COMPANY LLC PROJECT ON THE FINANCES
OF THE BRAZOSPORT INDEPENDENT SCHOOL DISTRICT UNDER
A REQUESTED CHAPTER 313 PROPERTY VALUE LIMITATION**

July 16, 2013

Final Report

PREPARED BY



Estimated Impact of the Proposed Alpha Olefin Chemical Company LLC Project on the Finances of the Brazosport Independent School District under a Requested Chapter 313 Property Value Limitation

Introduction

The Alpha Olefin Chemical Company LLC (Alpha Olefin) has requested that the Brazosport Independent School District (BISD) consider granting a property value limitation under Chapter 313 of the Tax Code, also known as the Texas Economic Development Act. In an application submitted to BISD on July 2, 2013, Alpha Olefin proposes to invest \$481 million to construct a new chemical manufacturing project in BISD.

The Alpha Olefin project is consistent with the state's goal to "encourage large scale capital investments in this state." When enacted as House Bill 1200 in 2001, Chapter 313 of the Tax Code granted eligibility to companies engaged in manufacturing, research and development, and renewable electric energy production to apply to school districts for property value limitations. Subsequent legislative changes expanded eligibility to clean coal projects, nuclear power generation and data centers, among others.

Under the provisions of Chapter 313, BISD may offer a minimum value limitation of \$30 million. The provisions of Chapter 313 call for the project to be fully taxable in the 2014-15 and 2015-16 school years. Beginning with the 2016-17 school year, the project would go on the local tax roll at \$30 million and remain at that level of taxable value for eight years for maintenance and operations (M&O) taxes.

The full taxable value of the project would be assessed for debt service taxes on voter-approved bond issues throughout the limitation period, with BISD currently levying a \$0.2195 per \$100 I&S tax rate. The taxable value of the investment is expected to reach \$433 million in the 2017-18 school year, with depreciation expected to reduce the taxable value of the project in the future. In its peak value year, the Alpha Olefin project would represent a 6.6 percent increase to the current underlying tax base for the District, excluding the impact of other Chapter 313 agreements.

In the case of the Alpha Olefin project, the agreement calls for a calculation of the revenue impact of the value limitation in years 3-10 of the agreement, under whatever school finance and property tax laws are in effect in each of those years. Under current law, BISD would experience a \$3 million revenue loss as a result of the implementation of the value limitation in the 2016-17 school year, with revenue losses expected to total \$5.4 million over the course of the agreement.

Under the assumptions outlined below, the potential tax benefits under a Chapter 313 agreement could reach an estimated \$24.2 million during the eight value limitation years. This amount is net of any anticipated revenue losses for the District.

School Finance Mechanics

Under the current school finance system, the property values established by the Comptroller's Office that are used to calculate state aid and recapture lag by one year, a practical consequence of the fact that the Comptroller's Office needs this time to conduct its property value study and the planned audits of appraisal district operations in alternating years. A taxpayer receiving a value limitation pays M&O taxes on the reduced value for the project in years 3-10 and receives a tax bill for I&S taxes based on the full project value throughout the qualifying and value limitation periods (and thereafter). The school funding formulas use the Comptroller's property values that reflect a reduction due to the property value limitation in years 4-11 of the agreement as a result of the one-year lag in property values.

The third year is often problematical financially for a school district that approves a Chapter 313 value limitation. The implementation of the value limitation often results in a revenue loss to the school district in the third year of the agreement that would not be reimbursed by the state, but require some type of compensation from the applicant under the revenue protection provisions of the agreement. In years 4-10, smaller revenue losses would be anticipated when the state M&O property values are aligned at the minimum value established by the Board on both the local tax roll and the corresponding state property value study.

Under the HB 1 system adopted in 2006, most school districts received additional state aid for tax reduction (ASATR) that was used to maintain their target revenue amounts established at the revenue levels under old law for the 2005-06 or 2006-07 school years, whichever was highest. In terms of new Chapter 313 property value limitation agreements, adjustments to ASATR funding often moderated the impact of the reduced M&O collections as a result of the limitation, in contrast with the earlier formula-driven finance system.

House Bill 3646 as enacted in 2009 created more "formula" school districts that were less dependent on ASATR state aid than had been the case previously. The formula reductions enacted during the First Called Session in 2011 made \$4 billion in reductions to the existing school funding formulas for the 2011-12 and 2012-13 school years. For the 2011-12 school year, across-the-board reductions were made that reduced each district's students in weighted average daily attendance (WADA) count and resulted in an estimated 781 school districts still receiving ASATR to maintain their target revenue funding levels, while an estimated 243 districts operated directly on the state formulas. For the 2012-13 school year, the changes called for smaller across-the-board reductions and funding ASATR-receiving target revenue districts at 92.35 percent of the level provided for under the existing funding formula, with 689 districts operating on formula and 335 districts still receiving ASATR funding.

Senate Bill 1 and House Bill 1025 as passed by the 83rd Legislature made significant increases to the basic allotment and other formula changes by appropriation. The ASATR reduction percentage is increased slightly to 92.63 percent, while the basic allotment is increased by \$325 and \$365, respectively, for the 2013-14 and 2014-15 school years. A slight increase in the guaranteed yield for the six cents above compressed—known as the Austin yield—is also included. With the basic allotment increase, it is estimated that approximately 300 school districts will still receive ASATR in the 2013-14 school year and 273 districts would do so in the 2014-15 school year. Current state policy calls for ASATR funding to be eliminated by the 2017-18 school year.

In the case of BISD, it is now classified as a formula school district, although it did receive ASATR funds through the 2012-13 school year. Based on the estimates presented below, BISD is not expected to receive future ASATR funds, with or without the value limitation in place.

One concern in projecting into the future is that the underlying state statutes in the Education Code were not changed in order to provide these funding increases. All of the major formula changes were made by appropriation, which gives them only a two-year lifespan unless renewed in the 2015 legislative session. Despite this uncertainty, it is assumed that these changes will remain in effect for the forecast period for the purpose of these estimates, assuming a continued legislative commitment to these funding levels in future years.

A key element in any analysis of the school finance implications is the provision for revenue protection in the agreement between the school district and the applicant. In the case of the Alpha Olefin project, the agreement calls for a calculation of the revenue impact of the value limitation in years 3-10 of the agreement, under whatever school finance and property tax laws are in effect in each of those years. This meets the statutory requirement under Section 313.027(f)(1) of the Tax Code to provide school district revenue protection language in the agreement

Underlying Assumptions

There are several approaches that can be used to analyze the future revenue stream of a school district under a value limitation. Whatever method is used, a reasonable analysis requires the use of a multi-year forecasting model that covers the years in which the agreement is in effect. The Chapter 313 application now requires 15 years of data and analysis on the project being considered for a property value limitation.

The general approach used here is to maintain static enrollment and underlying property values in order to isolate the effects of the value limitation under the school finance system. The SB 1 and HB 1025 basic allotment increases are reflected in the underlying models. With regard to ASATR funding, the 92.63 percent reduction enacted for the 2013-14 school year and maintained until the 2017-18 school year. A statement of legislative intent was adopted in 2011 to no longer fund target revenue by the 2017-18 school year, so that change is reflected in the estimates presented below. The equalized wealth level has been increased to \$504,000 per WADA in the 2014-15 school year and is maintained at that level in this analysis.

BISD currently has 12 active Chapter 313 agreements that have been approved by the BISD Board of Trustees. (The initial Dow application approved in 2002 expires with the 2012-13 school year.) All of these projects are added to the underlying base taxable value in order to reflect their impact on the finances of BISD.

The projected taxable values of the Alpha Olefin project are also factored into the base model used here in order to simulate the financial impact of the construction of the project in the absence of a value limitation agreement. The impact of the limitation value for the proposed Alpha Olefin project is isolated separately and the focus of this analysis.

Student enrollment counts are held constant at 11,565 students in average daily attendance (ADA) in analyzing the effects of the Alpha Olefin project on the finances of BISD. The District's local underlying tax base reached \$6.5 billion for the 2012 tax year and is maintained at that level for the forecast period in order to isolate the effects of the property value limitation. An M&O tax rate of \$1.04 per \$100 is used throughout this analysis. BISD has estimated state property wealth per weighted ADA or WADA of approximately \$418,172 for the 2013-14 school year. The

enrollment and property value assumptions for the 15 years that are the subject of this analysis are summarized in Table 1.

School Finance Impact

School finance models were prepared for BISD under the assumptions outlined above through the 2028-29 school year. Beyond the 2014-15 school year, no attempt was made to forecast the 88th percentile or Austin yield that influence future state funding beyond the projected level for that school year. In the analyses for other districts and applicants on earlier projects, these changes appeared to have little impact on the revenue associated with the implementation of the property value limitation, since the baseline and other models incorporate the same underlying assumptions.

Under the proposed agreement, a model is established to make a calculation of the “Baseline Revenue” by adding the value of the proposed Alpha Olefin facility to the model, but without assuming that a value limitation is approved. The results of this model are shown in Table 2.

A second model is developed which adds the Alpha Olefin value but imposes the proposed property value limitation effective in the third year, which in this case is the 2016-17 school year. The results of this model are identified as “Value Limitation Revenue Model” under the revenue protection provisions of the proposed agreement (see Table 3). A summary of the differences between these models is shown in Table 4.

Under these assumptions, BISD would experience an initial \$3 million revenue loss as a result of the implementation of the value limitation in the 2016-17 school year. The revenue reduction results from the mechanics of the up to six cents beyond the compressed M&O tax rate equalized to the Austin yield or not subject to recapture, which reflect the one-year lag in value associated with the property value study. It should be noted that BISD had a compressed tax rate of \$0.908 per \$100 that resulted when tax compression was imposed for the 2006-07 school year, so it receives the benefit of the full six cents at the Austin yield (or not subject to recapture), as well as Tier II tax effort subject to recapture at \$319,500 per WADA, all within its \$1.04 M&O tax rate.

As noted previously, no attempt was made to forecast further reductions in ASATR funding beyond the 92.63 percent adjustment adopted for the 2013-14 school year, although it is assumed that ASATR will be eliminated beginning in the 2017-18 school year, based on the 2013 statement of legislative intent. ASATR does not appear to be a factor in the estimates related to the Alpha Olefin project.

One risk factor under the estimates presented here relates to the implementation of the value limitation in the 2016-17 school year. The formula loss of \$3 million cited above between the base and the limitation models is based on an assumption that Alpha Olefin would realize an M&O tax savings of \$3.02 million when the \$30 million limitation is implemented. Under the estimates presented here and as highlighted in Table 4, the only school funding offset is a small reduction in Tier II recapture at the \$319,500 per WADA level.

In the 2017-18 school year, reduced recapture costs at the \$504,000 per WADA level at the compressed tax rate offset substantially more of the reduction in M&O tax collections associated with the \$30 million value limitation. At the same time, the District still ends up with a revenue loss of nearly \$1 million for that year.

Smaller losses are anticipated in several out-years under the proposed agreement. These current-law estimates indicate an additional \$1.5 million in revenue losses for the 2019-20 and 2020-21 school years, for a total of \$5.4 million for the entire agreement.

The Comptroller's state property value study influences these calculations, as noted previously. At the school-district level, a taxpayer benefiting from a property value limitation has two property values assigned by the local appraisal district for their property covered by the limitation: (1) a reduced value for M&O taxes, and (2) the full taxable value for I&S taxes. This situation exists for the eight years that the value limitation is in effect. Two state property value determinations are also made for school districts granting Chapter 313 agreements, consistent with local practice. A consolidated single state property value had been provided previously.

Impact on the Taxpayer

Table 5 summarizes the impact of the proposed property value limitation in terms of the potential tax savings under the property value limitation agreement. The focus of this table is on the M&O tax rate only. As noted previously, the property is fully taxable in the first two years under the agreement. A \$1.04 per \$100 of taxable value M&O rate is assumed in 2012-13 and thereafter.

Under the assumptions used here, the potential tax savings from the value limitation total \$28.8 million over the life of the agreement. In addition, Alpha Olefin would be eligible for a tax credit for M&O taxes paid on value in excess of the value limitation in each of the first two qualifying years. The credit amount is paid out slowly through years 4-10 due to statutory limits on the scale of these payments over these seven years, with catch-up payments permitted in years 11-13. The tax credits are expected to total approximately \$0.8 million, with no unpaid tax credits anticipated. The school district is to be reimbursed by the Texas Education Agency for the cost of these credits.

The key BISD revenue losses are expected to total approximately \$5.4 million. In total, the potential net tax benefits (inclusive of tax credits but after hold-harmless payments are made) are estimated to reach \$24.2 million over the life of the agreement.

Facilities Funding Impact

The Alpha Olefin project remains fully taxable for debt services taxes, with BISD currently levying a \$0.2195 per \$100 I&S rate. The value of the Alpha Olefin project is expected to depreciate over the life of the agreement and beyond, but full access to the additional value is expected to increase the District's underlying I&S tax base by 6.6 percent in the peak value year for the project. This increase should assist BISD in meeting its debt service needs.

The Alpha Olefin project is not expected to affect BISD in terms of enrollment. Forty (40) full-time positions are anticipated once the plant begins operation. During the construction phase, however, 2,200 FTEs are anticipated during the 2015 tax year. Given the impact this could have on BISD operations and facilities, provisions relating to extraordinary education-related expenses should be considered as part of the value limitation agreement.

Conclusion

The proposed Alpha Olefin manufacturing project enhances the tax base of BISD. It reflects continued capital investment in keeping with the goals of Chapter 313 of the Tax Code.

Under the assumptions outlined above, the potential tax savings for the applicant under a Chapter 313 agreement could reach an estimated \$24.2 million. (This amount is net of any anticipated revenue losses for the District.) The additional taxable value also enhances the tax base of BISD in meeting its future debt service obligations.

Table 1 – Base District Information with Alpha Olefin Project Value and Limitation Values

Year of Agreement	School Year	ADA	WADA	M&O Tax Rate	I&S Tax Rate	CAD Value with Project	CAD Value with Limitation	CPTD with Project	CPTD With Limitation	CPTD Value with Project per WADA	CPTD Value with Limitation per WADA
Pre-Year 1	2013-14	11,564.79	15,170.00	\$1.0400	\$0.2195	\$6,839,757,108	\$6,839,757,108	\$6,343,671,679	\$6,343,671,679	\$418,172	\$418,172
1	2014-15	11,564.79	15,169.90	\$1.0400	\$0.2195	\$7,833,073,821	\$7,833,073,821	\$6,561,416,857	\$6,561,416,857	\$432,529	\$432,529
2	2015-16	11,564.79	15,169.90	\$1.0400	\$0.2195	\$7,861,435,253	\$7,861,435,253	\$7,554,733,570	\$7,554,733,570	\$498,008	\$498,008
3	2016-17	11,564.79	15,169.90	\$1.0400	\$0.2195	\$8,662,885,852	\$8,372,218,852	\$7,583,095,002	\$7,583,095,002	\$499,878	\$499,878
4	2017-18	11,564.79	15,169.90	\$1.0400	\$0.2195	\$9,420,738,829	\$9,017,838,829	\$8,384,545,601	\$8,093,878,601	\$552,709	\$533,549
5	2018-19	11,564.79	15,169.90	\$1.0400	\$0.2195	\$11,375,347,801	\$10,989,763,801	\$9,142,398,578	\$8,739,498,578	\$602,667	\$576,108
6	2019-20	11,564.79	15,169.90	\$1.0400	\$0.2195	\$10,742,862,296	\$10,373,901,796	\$11,097,007,550	\$10,711,423,550	\$731,515	\$706,097
7	2020-21	11,564.79	15,169.90	\$1.0400	\$0.2195	\$7,594,995,329	\$7,241,993,229	\$10,464,522,045	\$10,095,561,545	\$689,821	\$665,500
8	2021-22	11,564.79	15,169.90	\$1.0400	\$0.2195	\$7,579,879,938	\$7,242,197,738	\$7,316,655,078	\$6,963,652,978	\$482,314	\$459,044
9	2022-23	11,564.79	15,169.90	\$1.0400	\$0.2195	\$7,565,485,410	\$7,242,510,160	\$7,301,539,687	\$6,963,857,487	\$481,318	\$459,058
10	2023-24	11,564.79	15,169.90	\$1.0400	\$0.2195	\$7,720,544,037	\$7,411,687,387	\$7,287,145,159	\$6,964,169,909	\$480,369	\$459,078
11	2024-25	11,564.79	15,169.90	\$1.0400	\$0.2195	\$8,391,433,818	\$8,391,433,818	\$7,442,203,786	\$7,133,347,136	\$490,590	\$470,230
12	2025-26	11,564.79	15,169.90	\$1.0400	\$0.2195	\$8,342,196,032	\$8,342,196,032	\$8,113,093,567	\$8,113,093,567	\$534,815	\$534,815
13	2026-27	11,564.79	15,169.90	\$1.0400	\$0.2195	\$9,926,274,176	\$9,926,274,176	\$8,063,855,781	\$8,063,855,781	\$531,570	\$531,570
14	2027-28	11,564.79	15,169.90	\$1.0400	\$0.2195	\$10,950,839,706	\$10,950,839,706	\$9,647,933,925	\$9,647,933,925	\$635,992	\$635,992
15	2028-29	11,564.79	15,169.90	\$1.0400	\$0.2195	\$13,397,194,819	\$13,397,194,819	\$10,672,499,455	\$10,672,499,455	\$703,531	\$703,531

*Basic Allotment: \$5,040; AISD Yield: \$61.86; Equalized Wealth: \$504,000 per WADA

Table 2– “Baseline Revenue Model”--Project Value Added with No Value Limitation

Year of Agreement	School Year	M&O Taxes @ Compressed Rate	State Aid	Additional State Aid-Hold Harmless	Excess Formula Reduction	Recapture Costs	Additional Local M&O Collections	State Aid From Additional M&O Tax Collections	Recapture from the Additional Local Tax Effort	Total General Fund
Pre-Year 1	2013-14	\$60,451,075	\$15,778,868	\$0	\$0	\$0	\$8,754,093	\$1,733,185	-\$1,067,346	\$85,649,875
1	2014-15	\$69,294,341	\$15,106,867	\$0	\$0	\$0	\$10,034,712	\$1,968,859	-\$1,354,983	\$95,049,796
2	2015-16	\$69,546,836	\$6,083,127	\$0	\$0	\$0	\$10,071,276	\$1,177,759	-\$1,865,354	\$85,013,645
3	2016-17	\$76,734,773	\$5,825,479	\$0	\$0	\$0	\$11,112,182	\$1,275,670	-\$2,071,923	\$92,876,181
4	2017-18	\$83,502,152	\$3,903,843	\$0	\$0	-\$6,990,966	\$12,092,185	\$728,317	-\$2,636,386	\$90,599,144
5	2018-19	\$100,900,430	\$3,903,843	\$0	\$0	-\$15,693,197	\$14,611,680	\$254,693	-\$3,547,485	\$100,429,964
6	2019-20	\$95,266,540	\$3,903,843	\$0	\$0	-\$28,148,206	\$13,795,820	\$0	-\$4,015,063	\$80,802,934
7	2020-21	\$67,238,921	\$3,903,843	\$0	\$0	-\$17,206,936	\$9,737,060	\$0	-\$2,701,003	\$60,971,885
8	2021-22	\$67,101,568	\$8,245,940	\$0	\$0	\$0	\$9,717,170	\$1,317,534	-\$1,694,950	\$84,687,263
9	2022-23	\$66,970,745	\$8,383,255	\$0	\$0	\$0	\$9,698,225	\$1,326,844	-\$1,684,773	\$84,694,297
10	2023-24	\$68,348,630	\$8,514,022	\$0	\$0	\$0	\$9,897,761	\$1,365,735	-\$1,712,730	\$86,413,418
11	2024-25	\$74,265,289	\$7,105,399	\$0	\$0	\$0	\$10,754,569	\$1,350,847	-\$1,938,003	\$91,538,101
12	2025-26	\$73,826,936	\$3,903,843	\$0	\$0	-\$4,041,110	\$10,691,090	\$828,618	-\$2,224,068	\$82,985,309
13	2026-27	\$87,929,612	\$3,903,843	\$0	\$0	-\$4,332,394	\$12,733,339	\$1,028,390	-\$2,624,917	\$98,637,873
14	2027-28	\$97,051,078	\$3,903,843	\$0	\$0	-\$19,134,622	\$14,054,244	\$0	-\$3,613,879	\$92,260,665
15	2028-29	\$118,830,403	\$3,903,843	\$0	\$0	-\$32,184,979	\$17,208,171	\$0	-\$4,853,701	\$102,903,737

Table 3-- "Value Limitation Revenue Model"--Project Value Added with Value Limit

Year of Agreement	School Year	M&O Taxes @ Compressed Rate		Additional State Aid-Hold Harmless	Excess Formula Reduction	Recapture Costs	Additional Local M&O Collections	State Aid From Additional M&O Tax Collections	Recapture from the Additional Local Tax Effort	Total General Fund
Pre-Year 1	2013-14	\$60,451,075	\$15,778,868	\$0	\$0	\$0	\$8,754,093	\$1,733,185	-\$1,067,346	\$85,649,875
1	2014-15	\$69,294,341	\$15,106,867	\$0	\$0	\$0	\$10,034,712	\$1,968,859	-\$1,354,983	\$95,049,796
2	2015-16	\$69,546,836	\$6,083,127	\$0	\$0	\$0	\$10,071,276	\$1,177,759	-\$1,865,354	\$85,013,645
3	2016-17	\$74,094,222	\$5,825,479	\$0	\$0	\$0	\$10,729,796	\$1,231,772	-\$2,000,625	\$89,880,645
4	2017-18	\$79,842,025	\$3,903,843	\$0	\$0	-\$4,200,669	\$11,562,152	\$910,776	-\$2,396,802	\$89,621,326
5	2018-19	\$97,397,610	\$3,903,843	\$0	\$0	-\$11,581,131	\$14,104,427	\$553,744	-\$3,246,211	\$101,132,283
6	2019-20	\$91,914,735	\$3,903,843	\$0	\$0	-\$24,992,207	\$13,310,436	\$0	-\$3,765,664	\$80,371,143
7	2020-21	\$64,032,089	\$3,903,843	\$0	\$0	-\$14,761,991	\$9,272,670	\$0	-\$2,491,080	\$59,955,531
8	2021-22	\$64,033,910	\$11,452,771	\$0	\$0	\$0	\$9,272,934	\$1,535,425	-\$1,456,563	\$84,838,476
9	2022-23	\$64,036,691	\$11,450,914	\$0	\$0	\$0	\$9,273,336	\$1,535,322	-\$1,456,725	\$84,839,540
10	2023-24	\$65,542,836	\$11,448,075	\$0	\$0	\$0	\$9,491,446	\$1,571,169	-\$1,491,140	\$86,562,386
11	2024-25	\$74,265,289	\$9,911,193	\$0	\$0	\$0	\$10,754,569	\$1,621,710	-\$1,781,305	\$94,771,456
12	2025-26	\$73,826,936	\$3,903,843	\$0	\$0	-\$4,041,110	\$10,691,090	\$828,618	-\$2,224,068	\$82,985,309
13	2026-27	\$87,929,612	\$3,903,843	\$0	\$0	-\$4,332,394	\$12,733,339	\$1,028,390	-\$2,624,917	\$98,637,873
14	2027-28	\$97,051,078	\$3,903,843	\$0	\$0	-\$19,134,622	\$14,054,244	\$0	-\$3,613,879	\$92,260,665
15	2028-29	\$118,830,403	\$3,903,843	\$0	\$0	-\$32,184,979	\$17,208,171	\$0	-\$4,853,701	\$102,903,737

Table 4 -- Value Limit less Project Value with No Limit

Year of Agreement	School Year	M&O Taxes @ Compressed Rate		Additional State Aid-Hold Harmless	Excess Formula Reduction	Recapture Costs	Additional Local M&O Collections	State Aid From Additional M&O Tax Collections	Recapture from the Additional Local Tax Effort	Total General Fund
Pre-Year 1	2013-14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	2014-15	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	2015-16	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	2016-17	-\$2,640,550	\$0	\$0	\$0	\$0	-\$382,386	-\$43,898	\$71,298	-\$2,995,536
4	2017-18	-\$3,660,126	\$0	\$0	\$0	\$2,790,297	-\$530,033	\$182,460	\$239,584	-\$977,818
5	2018-19	-\$3,502,820	\$0	\$0	\$0	\$4,112,067	-\$507,253	\$299,051	\$301,274	\$702,319
6	2019-20	-\$3,351,804	\$0	\$0	\$0	\$3,155,999	-\$485,384	\$0	\$249,399	-\$431,791
7	2020-21	-\$3,206,832	\$0	\$0	\$0	\$2,444,945	-\$464,391	\$0	\$209,923	-\$1,016,354
8	2021-22	-\$3,067,659	\$3,206,831	\$0	\$0	\$0	-\$444,236	\$217,891	\$238,386	\$151,213
9	2022-23	-\$2,934,054	\$3,067,659	\$0	\$0	\$0	-\$424,889	\$208,478	\$228,049	\$145,243
10	2023-24	-\$2,805,794	\$2,934,053	\$0	\$0	\$0	-\$406,315	\$205,433	\$221,590	\$148,968
11	2024-25	\$0	\$2,805,794	\$0	\$0	\$0	\$0	\$270,863	\$156,698	\$3,233,355
12	2025-26	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	2026-27	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	2027-28	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	2028-29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Table 5 - Estimated Financial impact of the Alpha Olefin Project Property Value Limitation Request Submitted to BISD at \$1.04 M&O Tax Rate

Year of Agreement	School Year	Project Value	Estimated Taxable Value	Value Savings	Assumed M&O Tax Rate	Taxes Before Value Limit	Taxes after Value Limit	Tax Savings @ Projected M&O Rate	Tax Credits for First Two Years Above Limit	Tax Benefit to Company Before Revenue Protection	School District Revenue Losses	Estimated Net Tax Benefits
Pre-Year 1	2013-14	\$0	\$0	\$0	\$1.040	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1	2014-15	\$0	\$0	\$0	\$1.040	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	2015-16	\$106,889,000	\$106,889,000	\$0	\$1.040	\$1,111,646	\$1,111,646	\$0	\$0	\$0	\$0	\$0
3	2016-17	\$320,667,000	\$30,000,000	\$290,667,000	\$1.040	\$3,334,937	\$312,000	\$3,022,937	\$0	\$3,022,937	-\$2,995,536	\$27,401
4	2017-18	\$432,900,000	\$30,000,000	\$402,900,000	\$1.040	\$4,502,160	\$312,000	\$4,190,160	\$114,235	\$4,304,395	-\$977,818	\$3,326,577
5	2018-19	\$415,584,000	\$30,000,000	\$385,584,000	\$1.040	\$4,322,074	\$312,000	\$4,010,074	\$114,235	\$4,124,309	\$0	\$4,124,309
6	2019-20	\$398,960,500	\$30,000,000	\$368,960,500	\$1.040	\$4,149,189	\$312,000	\$3,837,189	\$114,235	\$3,951,424	-\$431,791	\$3,519,633
7	2020-21	\$383,002,100	\$30,000,000	\$353,002,100	\$1.040	\$3,983,222	\$312,000	\$3,671,222	\$114,235	\$3,785,457	-\$1,016,354	\$2,769,103
8	2021-22	\$367,682,200	\$30,000,000	\$337,682,200	\$1.040	\$3,823,895	\$312,000	\$3,511,895	\$114,235	\$3,626,130	\$0	\$3,626,130
9	2022-23	\$352,975,250	\$30,000,000	\$322,975,250	\$1.040	\$3,670,943	\$312,000	\$3,358,943	\$114,235	\$3,473,178	\$0	\$3,473,178
10	2023-24	\$338,856,650	\$30,000,000	\$308,856,650	\$1.040	\$3,524,109	\$312,000	\$3,212,109	\$114,235	\$3,326,344	\$0	\$3,326,344
11	2024-25	\$325,302,650	\$325,302,650	\$0	\$1.040	\$3,383,148	\$3,383,148	\$0	\$0	\$0	\$0	\$0
12	2025-26	\$312,290,550	\$312,290,550	\$0	\$1.040	\$3,247,822	\$3,247,822	\$0	\$0	\$0	\$0	\$0
13	2026-27	\$299,798,550	\$299,798,550	\$0	\$1.040	\$3,117,905	\$3,117,905	\$0	\$0	\$0	\$0	\$0
14	2027-28	\$287,806,750	\$287,806,750	\$0	\$1.040	\$2,993,190	\$2,993,190	\$0	\$0	\$0	\$0	\$0
15	2028-29	\$276,294,300	\$276,294,300	\$0	\$1.040	\$2,873,461	\$2,873,461	\$0	\$0	\$0	\$0	\$0
						\$48,037,699	\$19,223,171	\$28,814,528	\$799,646	\$29,614,174	-\$5,421,499	\$24,192,675
Tax Credit for Value Over Limit in First 2 Years								Year 1	Year 2	Max Credits		
								\$0	\$799,646	\$799,646		
								Credits Earned		\$799,646		
								Credits Paid		<u>\$799,646</u>		
								Excess Credits Unpaid		\$0		

***Note:** School District Revenue-Loss estimates are subject to change based on numerous factors, including legislative and Texas Education Agency administrative changes to school finance formulas, year-to-year appraisals of project values, and changes in school district tax rates. One of the most substantial changes to the school finance formulas related to Chapter 313 revenue-loss projections could be the treatment of Additional State Aid for Tax Reduction (ASATR). Legislative intent is to end ASATR in 2017-18 school year. Additional information on the assumptions used in preparing these estimates is provided in the narrative of this Report.