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August 3, 2026
File No. 12.0078329.00

Joseph Kirisits
Development Operations Manager
Carson Power
39 Broadway, 32nd Floor
New York, New York 10006
jkirisits@carson-power.com

Re: Noise Study Results
370 Youngs Road
Williamsville, New York

Dear Mr. Kirisits,

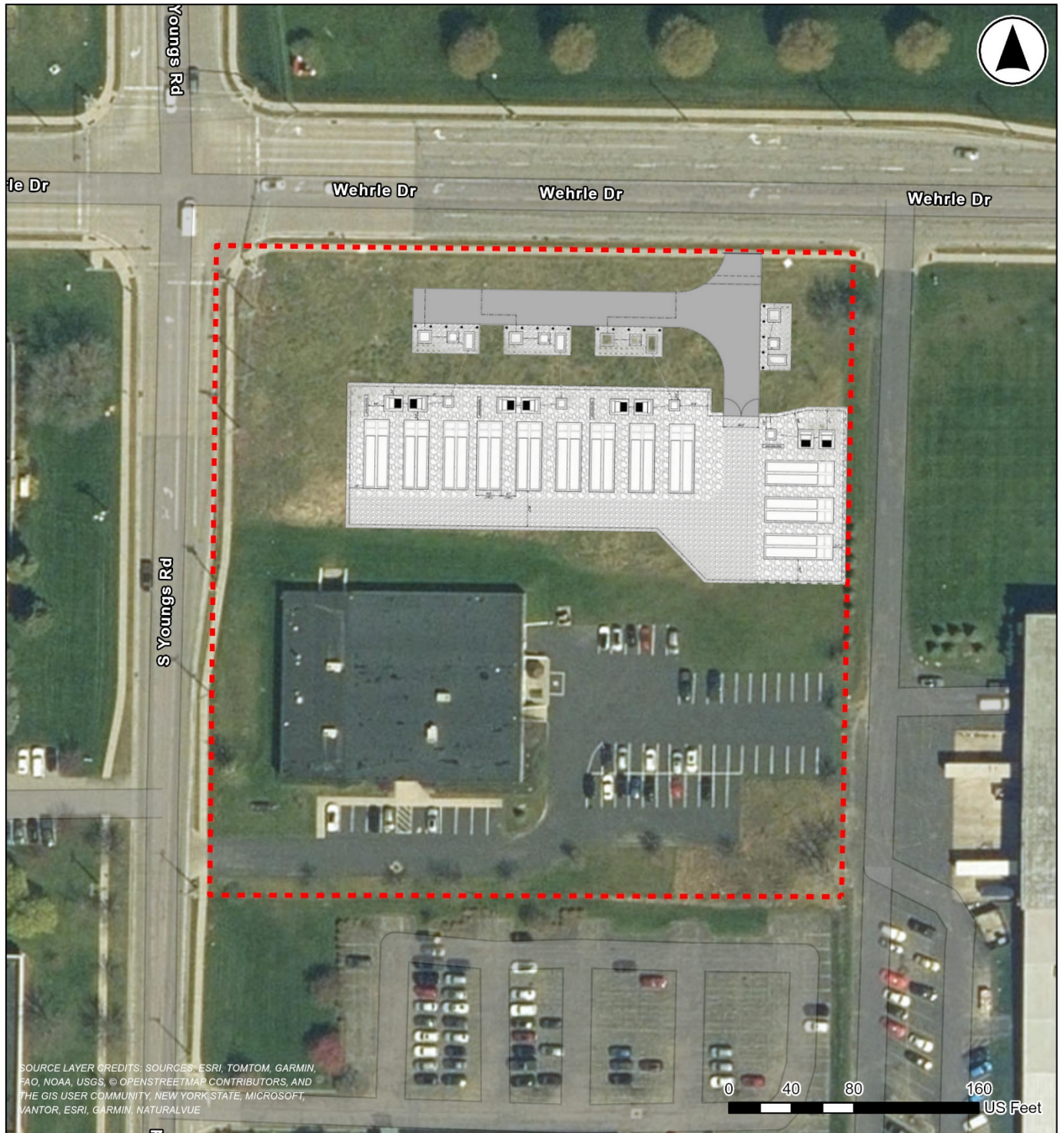
GZA GeoEnvironmental of NY (GZA) completed CadnaA Acoustic Modeling and an evaluation of local noise requirements for the proposed Battery Energy Storage Systems (BESS) development located at 370 Youngs Road in Amherst, New York (Site), with mailing address in Williamsville, New York. Our services were performed in accordance with our proposal number 12.P000145.27, effective June 4, 2026, and the findings described herein are subject to the limitations included in **Attachment A**.

PROJECT SCOPE

GZA understands that Carson Power plans to construct the proposed BESS at 370 Youngs Road, Williamsville, NY. The BESS will feature twenty-four (24) Tesla Megapack 2 XL units (Option Code FN03), each equipped with a five-fan cooling system, and eight (8) medium power Eaton transformers. The Project Site is shown in **Figure 1**. Our understanding of the Site layout is based on site plans provided by Carson Power dated June 1, 2026.



Figure 1 – Project Site Location



LEGEND

 370 YOUNGS ROAD



NOISE REQUIREMENT FINDINGS

The local noise code is set forth in Chapter 138 of the Amherst, New York Town Code and in the Town of Amherst Battery Energy Storage Systems Local Law.

§138-5 Prohibited Acts

Maximum Permissible Sound Levels by Receiving Land Use Category at the Property Boundary

Sound Source Land Use Category	Time Period	Maximum Permissible Sound Level (dBAs) Receiving Land Use	
		Residential	Nonresidential
Residential	7:00 a.m. to 11:00 p.m.	70	75
	11:00 p.m. to 7:00 a.m.	50	50
Nonresidential	7:00 a.m. to 11:00 p.m.	70	75
	11:00 p.m. to 7:00 a.m.	50	75

The Battery Energy Storage Systems Local Law includes the following noise requirement, with the same limits as the Town code:

“The [1-hour] average noise generated from the battery energy storage systems, components, and associated ancillary equipment shall not exceed a daytime noise level of 70 dBA as measured at the property line of a residential property; or 50 dBA between 11 pm – 7 am.”

MODELING STANDARDS

This acoustic model was completed using the CadnaA acoustic modeling software, based on the standard ISO 9613-2:2024 for outdoor acoustic propagation. The method conservatively predicts the equivalent continuous A-weighted sound pressure level under meteorological conditions favorable for downwind propagation or propagation under a moderate ground-based temperature inversion. It accounts for worst possible wind and temperature gradient conditions in the model. The standard was approved by ISO/TC 43/SC 1 and has been recognized and adopted by American professional organizations such as the Acoustical Society of America (ASA) and Institute of Noise Control Engineering of the USA (INCE-USA).



MODELED SOUND SOURCES

The acoustic sources that were included in the model were twenty-four (24) Tesla Megapack 2 XL units (Option Code FN03) equipped with five-fan cooling systems and eight (8) medium power Eaton transformers. Acoustic source details are provided in **Table 2**.

Table 2 – Source Details per Site

Quantity	Type	Product Name	Source of Data
24	Battery Energy Storage System	Tesla Megapack 2 XL 4H 5 Fan - FN03 Option	Megapack 2 XL Option code FN03 Sound Data Report 2025
8	Medium Voltage Dry Type Transformer	Eaton LNY0027509-012	Eaton 2025 Spec Sheet and GZA Measurements

SENSITIVE RECEIVERS

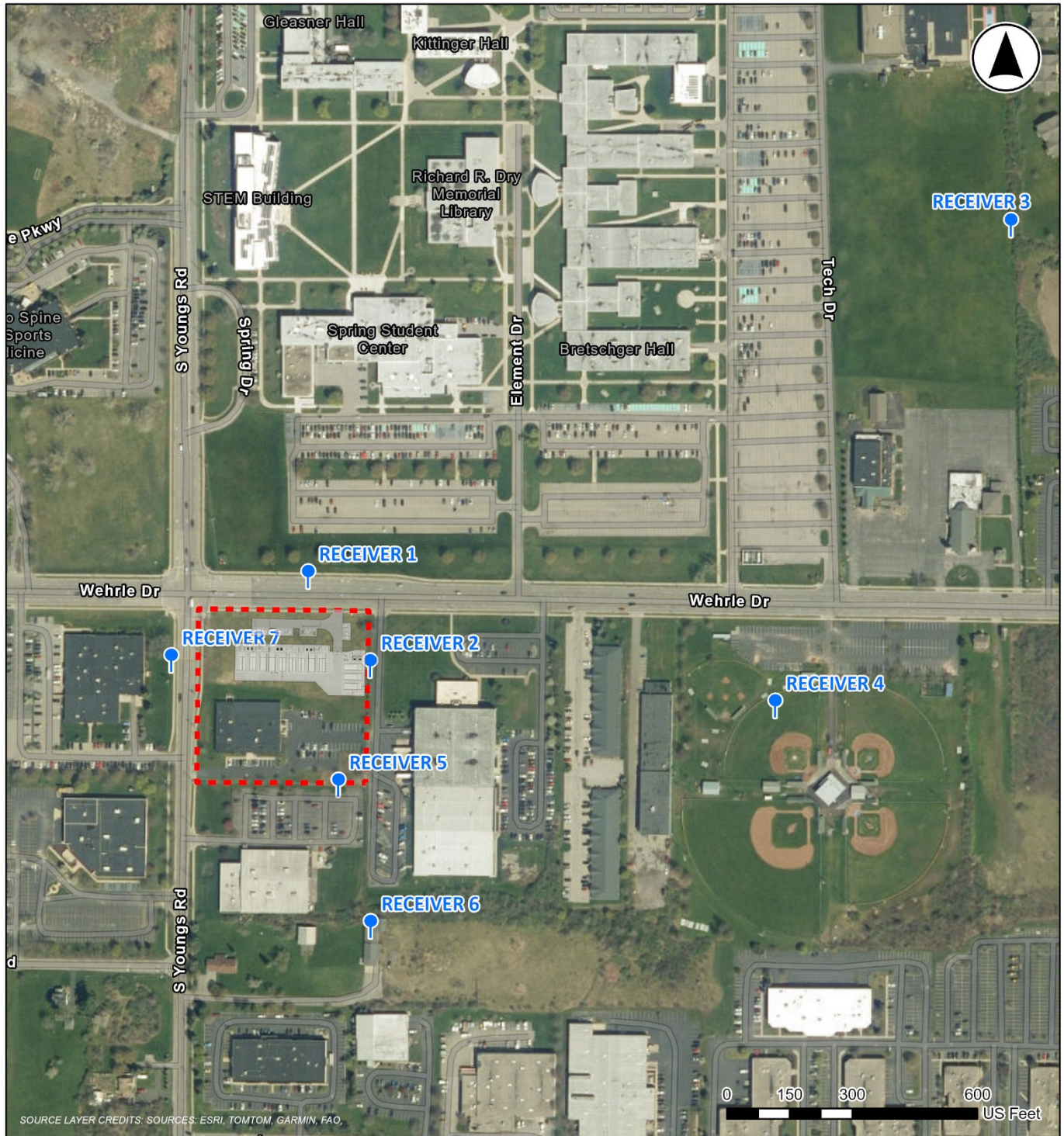
The nearest sensitive receivers to the Site that were analyzed were 6205 Main Street Building S Lot 9, 1955 Wehrle Drive, 17 Spindrift Court, 1995 Wehrle Drive, 390 Youngs Road, 430 Youngs Road, and 1775 Wehrle Drive. The sensitive receivers are listed in **Table 3** and shown in **Figure 2**.

Table 3 – Sensitive Receiver Details

Receiver ID	Sensitive Receiver	Address
1	School Property Line	6205 Main Street Building S Lot 9
2	Commercial Property Line	1955 Wehrle Drive
3	Residential Property Line	17 Spindrift Court
4	Park Property Line	1995 Wehrle Drive
5	Commercial Property Line	390 Youngs Road
6	Residential Property Line	430 Youngs Road
7	Commercial Property Line	1775 Wehrle Drive



Figure 2 – Noise Sensitive Receivers



LEGEND

- 370 YOUNGS ROAD
- RECEIVERS



NOISE MODELING / EXPECTED SOUND LEVELS

Noise emissions were projected for the proposed BESS using CadnaA acoustical modeling software, with scenarios and iterations detailed below. Based on regional climate data, the BESS is anticipated to operate at a maximum load of 40%; therefore, sound levels that comply with the noise code at this load are considered acceptable.

Should there be any revisions to the Site Plan and/or proposed barriers, GZA can update the acoustical model accordingly.

Modeling Analysis

Two separate scenarios were modeled for the Site. In each scenario, the twenty-four (24) five-fan units and eight (8) transformers were modeled. In the first scenario, the units were modeled at 100% load without noise barriers. In the second scenario, the units were modeled at 40% load without noise barriers. The results of Iteration 1 are shown in **Table 4**. Receiver placements were chosen based on the worst-case locations (loudest modeled sound levels) at surrounding property lines. The complete modeling results output is provided in **Attachment B**.

Table 4 – Iteration 1 Modeling Results

Receiver (Placed at Property Line)	Floor	40% Operation w/o Barrier	100% Operation w/o Barrier
1: 6205 Main St Building S Lot 9 (School)	GF	45.5	56.6
2: 1955 Wehrle Dr (Commercial)	GF	55.0	64.9
3: 17 Spindrift Ct (Residential)	GF	26.1	38.4
4: 1995 Wehrle Dr (Park)	GF	25.8	33.9
5: 390 Youngs Rd (Commercial)	GF	44.6	56.3
6: 430 Youngs Rd (Residential)	GF	36.4	48.2
7: 1775 Wehrle Dr (Commercial)	GF	45.6	58.0
Noise Code Maximum Permissible Levels			
Residential dB(A) Limit		50	
Non-Residential dB(A) Limit		75	

NOISE CODE ANALYSIS

With each unit operating at 40% load with no sound barriers as described, modelling suggests that the proposed BESS would result in sound levels of up to 36.4 dB(A) at a neighboring residential property line and up to 55.0 dB(A) at a neighboring non-residential property line. Based on the 50 dB(A) residential limit and 75 dB(A) non-residential limit set forth in the Town of Amherst noise code and Battery Energy Storage Systems Local Law, the Project would meet the noise code at 40% load without sound barriers as described herein.

With each unit operating at 100% load with no sound barriers as described, modelling suggests that the proposed BESS would result in sound levels of up to 48.2 dB(A) at a neighboring residential property line and up to 64.9 dB(A) at a neighboring non-residential property line. Based on the 50 dB(A) residential limit and 75 dB(A) non-



residential limit set forth in the Town of Amherst noise code and Battery Energy Storage Systems Local Law, the Project would meet the noise code at 100% load without sound barriers as described herein.

There is no octave band requirement listing in the Town of Amherst, New York noise code or the Battery Energy Storage Systems Local Law of the Town of Amherst. Octave band sound levels may be evaluated for the proposed BESS with results provided upon request.

CLOSING

In summary, the acoustic model indicates that the Project will be in compliance with the Town of Amherst noise code and Battery Energy Storage Systems Local Law with each unit operating at 40% and 100% without noise barriers as described herein. The addition of any fences or barriers around the BESS may provide minor additional noise mitigation.

We appreciate this opportunity to assist Carson Power with this matter and look forward to working with you as this important project progresses. Should you have any questions regarding the information provided herein, please contact us.

Sincerely,

GZA GEOENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read 'Gene Bove'.

Gene Bove, INCE
Senior Project Manager

A handwritten signature in black ink, appearing to read 'Victoria J. Curran'.

Victoria Curran
Assistant Project Manager

A handwritten signature in black ink, appearing to read 'Kevin Williams'.

Kevin Williams, AICP, PP
Vice President, Associate Principal

A handwritten signature in black ink, appearing to read 'James Heineman'.

James Heineman
Consultant Reviewer

Attachments:

Attachment A – Limitations

Attachment B – Excel Modeling Results (Attached Separately)

Attachment A – Limitations



USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) has prepared this report on behalf of, and for the exclusive use of Client for the stated purpose(s) and location(s) identified in the Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. The conclusions presented in this report were based solely upon the services described in this report, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. Conditions at the facility are subject to change, therefore the compliance status at any given time could differ from the status at the time of our report.
3. This report describes the compliance status with respect to the environmental regulatory program(s) outlined in the report. Compliance with regulatory programs or specific regulatory requirements other than the program(s) outlined in this report have not been evaluated.
4. Information pertaining to the facility, structures, and operations and activities conducted at the facility was provided to GZA by Client as indicated within the report. In performing the services described in the report, GZA has relied on the information provided by Client, including the accuracy and completeness thereof.
5. The purpose of this study was to review the regulatory compliance of current operations and activities conducted at the facility within the limits of the objective and scope of work described in our proposal and/or report. We did not attempt to assess the compliance status of present or past owners or operators of the facility.
6. Unless otherwise specified in the report, GZA did not perform testing or analyses to determine the presence or concentration of any chemicals, oils, asbestos, or polychlorinated biphenyls at the site, within site buildings, or in the environment at the site. Where such analyses have been conducted by an outside laboratory, GZA has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data.

COMPLIANCE WITH CODES AND REGULATIONS

7. The regulatory compliance status described in this report has been evaluated based on our interpretation of regulations, and where appropriate, the interpretations provided by the applicable regulatory authority personnel at the time of our study. In some cases, these interpretations require subjective judgment and we cannot guarantee that all applicable regulatory authority personnel will interpret the regulations in the same manner as we have, or in the manner that the agency personnel we may have spoken to have. Applicable regulatory authorities' interpretations, requirements, and enforcement policies vary from district office to district office, from state to state, and between federal and state agencies. In addition, statutes, rules, standards, and regulations may be legislatively changed and inter-agency and intra-agency policies may be changed from present practices from time to time.
8. In preparing this report, GZA has relied on certain information provided by federal, State, or local applicable regulatory authorities and other parties referenced herein, and on information contained in the files of federal, State, and/or local applicable regulatory authorities available to GZA at the time of our compliance study. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of the study. Where information provided by Client was not complete, representations regarding the regulatory compliance of such operations and activities has not been made.

**INTERPRETATION OF DATA**

9. GZA's work was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and GZA observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. GZA's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the study. No warranty, express or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by an applicable regulatory authority.

NEW INFORMATION

10. In the event that the Client or others authorized to use this report obtain information on environmental regulatory compliance issues at the facility not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this study, may modify the conclusions stated in this report.

Attachment B – Excel Modeling Results (Attached Separately)