CITY LA DBS
DEPARTMENT OF BUILDING AND SAFETY

EIR ADDENDUM

Athens Sun Valley Material Recovery Facility Project

State Clearinghouse: 2007031090

Project Location: 11121 West Pendleton Street, Sun Valley, California, 91352

Community Plan Area: Sun Valley—La Tuna Canyon

Council District: 6—Martinez

Project Description: This document serves as the First Addendum to the Athens Sun Valley Material Recovery Facility Project Environmental Impact Report (EIR) (SCH No. 2007031090), certified by the City of Los Angeles (City) on June 3, 2010 (the "Certified EIR"). The Certified EIR analyzed the issuance of a Solid Waste Facility Permit to accept up to 1,000 tons per day of municipal solid waste and 500 tons per day of construction and demolition materials and construction of a material recovery facility/transfer station building and construction and demolition processing building at the existing Athens Sun Valley Materials Recovery Facility (ASVMRF). Under a Conditional Use Permit (CUP) from the City as Local Enforcement Agency, the ASVMRF is currently permitted to ship and receive loads between 7:00 AM and 8:00 PM, 7 days per week. The posted hours for receiving loads at the existing facility are 7:00 AM to 5:00 PM Monday through Friday and 8:00 AM to 3:30 PM Saturday, with no receiving hours on Sunday.

This Addendum analyzes the potential impacts of updating the ASVMRF's Solid Waste Facility Permit to extend the allowed shipping and receiving hours of operation to 5:00 AM to 8:00 PM, 7 days per week, consistent with the CUP (the "Modified Project").

PREPARED FOR:
Los Angeles Dept.
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February 2022

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1 INTRODUCTION

This document is an Addendum to the Environmental Impact Report (EIR) prepared for the Athens Sun Valley Material Recovery Facility Project (State Clearinghouse No. 2007031090), which was certified by the City of Los Angeles (City) on June 3, 2010 (Certified EIR). In accordance with the California Environmental Quality Act (CEQA), this Addendum to the EIR analyzes proposed modifications (the Modified Project) to the Athens Sun Valley Material Recovery Facility Project approved in 2010 (the Approved Project) and demonstrates that the Modified Project does not meet the standards for a Supplemental or Subsequent EIR pursuant to Public Resources Code, Section 21166 or CEQA Guidelines Section 15162 and 15163.

1.1 BACKGROUND

The City prepared an EIR pursuant to the CEQA for the Athens Sun Valley Material Recovery Facility Project (the "Project") to assess potential environmental impacts of the Project, as described below. The EIR concluded that, with mitigation, all of the Project's environmental impacts would be less than significant with the exception of significant and unavoidable environmental impacts related to Project-level and cumulative emissions of nitrogen oxides (NO_x) and volatile organic compounds (VOC) and cumulative emissions of diesel particulates.

In June 2010, the City certified the EIR and approved the Project under Conditional Use Permit (CUP) ZA 98-0427(CUZ) and the California Department of Resources Recycling and Recovery (CalRecycle) issued Solid Waste Facility Permit (SWFP) No. 19-AR-5581 for operation of the Athens Sun Valley Material Recovery Facility (ASVMRF). Both the CUP and the SWFP permitted shipping and receiving hours of 7:00 AM to 8:00 PM Monday through Sunday. However, in 2020, and in response to the COVID-19 pandemic, ASVMRF was granted a temporary Emergency Waiver adjustment to daily tonnage limits and hours of operation in order to accommodate the shift in residential and commercial waste generation. Specifically, beginning in March 2020, operating hours were temporarily extended to allow a 5:00 AM start time and the daily maximum tonnage limit was increased from 1,500 tpd to 1,800 tpd. On August 17, 2021, the City approved the modification of CUP ZA 98-0427(CUZ) to permanently extend ASVMFR's permitted hours for shipping and receiving loads to 5:00 AM to 8:00 PM Monday through Sunday.[1]

Arakelian Enterprises, Inc., dba Athens Services (the Applicant) has subsequently revised the Project to permanently extend ASVMRF's hours to 5:00 AM to 8:00 PM and update SWFP No. 19-AR-5581 accordingly (the Modified Project). The temporary two-hour increase in the hours of operation would allow morning truckloads destined for the landfill to be transferred out earlier, enabling inbound truckloads to be received earlier, thereby reducing on-site truck circulation conflicts between outbound and inbound trucks and facilitating a safe amount of physical space in the tipping/processing areas throughout the workday. No other changes to the Approved Project are Proposed. Both the Approved Project (as analyzed in the Certified EIR) and the Modified Project (analyzed in this Addendum) are discussed further below.

[1] City of Los Angeles, Case No. ZA 98-0427(CUZ)(PA3), Review of Compliance with Modified Conditions, August 17, 2021.

1.2 CEQA AUTHORITY FOR AN ADDENDUM

CEQA establishes the type of environmental documentation required when changes to a project occur after an EIR is certified. Specifically, Section 15164(a) of the CEQA Guidelines states that:

> *The lead agency or responsible agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred.*

CEQA Guidelines Section 15162 requires the preparation of a Subsequent EIR when an EIR has been certified or a negative declaration has been adopted for a project and one or more of the following circumstances exist:

(1) Substantial changes are proposed in the project which, will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

(2) Substantial changes occur with respect to the circumstances under which the project is undertaken, which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

(3) New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:

(A) The project will have one or more significant effects not discussed in the previous EIR or negative declaration;

(B) Significant effects previously examined will be substantially more severe than shown in the previous EIR;

(C) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

(D) Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Likewise, California Public Resources Code (PRC) Section 21166 states that unless one or more of the following events occur, no Supplemental or Subsequent EIR shall be required by the lead agency or by any responsible agency:

(a) Substantial changes are proposed in the project which will require major revisions of the environmental impact report;

(b) Substantial changes occur with respect to the circumstances under which the project is being undertaken which will require major revisions in the environmental impact report; or

(c) New information, which was not known and could not have been known at the time the environmental impact report was certified as complete, becomes available.

As demonstrated by the analysis in this document, the Modified Project would not result in any new significant impacts, nor would it substantially increase the severity of previously identified significant impacts. Rather, all of the impacts associated with the Modified Project are within the envelope of impacts addressed in the Certified EIR and do not constitute a new or substantially increased significant impact. Therefore, the modifications resulting from the Modified Project do not meet the criteria for a Supplemental or Subsequent EIR pursuant to Public Resources Code, Section 21166 and CEQA Guidelines Section 15162 and 15163.

2 PROJECT DESCRIPTION

2.1 PROJECT SUMMARY

2.1.1 Overview of Approved Project

As detailed in the Certified EIR, ASVMRF operates under a CUP issued in 1999, which permits the facility to process up to 1,500 tons per day (tpd) of mixed waste and construction and demolition (C&D) waste. Previously, the ASVMRF was processing approximately 400 tpd of C&D materials and up to 15 tpd of municipal solid waste under CUP ZA 98-0427(CUZ). At the time the CUP was issued, a SWFP from the Local Enforcement Agency (LEA) and the California Integrated Waste Management Board (CIWMB) was not required for C&D processing facilities. In August 2003, CIWMB regulations for permitting of C&D processing facilities became effective. The Approved Project proposed to obtain a SWFP to accept up to 1,000 tons per day of municipal solid waste and 500 tons per day of construction and demolition materials (consistent with the applicable CUP), construct material recovery facility/transfer station (MRF/TS) and C&D processing facilities to recycle and transfer municipal solid waste and process and recover C&D materials at the existing ASVMRF. The Approved Project was approved by the City on June 3, 2010 under CUP ZA 98-0427(CUZ)(PA2), SWFP No. 19-AR-5581 was issued for the ASVMRF on June 30, 2010, and the 84,236-square-foot facility was issued a Certificate of Occupancy in 2015.

2.1.2 Modifications to Approved Project

The current SWFP for the ASVMRF permits 1,500 tons per operating day and a traffic volume of 330 vehicles per day with shipping and receiving hours permitted between 7:00 AM and 8:00 PM Monday through Sunday, and fully enclosed, indoor operations allowed 24 hours per day. The current, posted hours for receiving loads are 7:00 AM to 5:00 PM Monday through Friday and 8:00 AM to 3:30 PM Saturday. There are no truck loads on Sundays and indoor processing and transfer activities occur 24 hours per day, 7 days per week. However, as previously discussed, during the COVID-19 pandemic, ASVMRF obtained an Emergency Waiver adjustment to extend hours of operation to allow a 5:00 AM start time and increase the daily maximum tonnage from 1,500 tpd to 1,800 tpd. On August 17, 2021, the City approved the modification of the CUP under CUP ZA 98-0427(CUZ)(PA3) to permanently extend ASVMFR's permitted shipping and receiving hours from 7:00 AM to 8:00 PM Monday through Sunday to 5:00 AM to 8:00 PM Monday through Sunday.[2]

Arakelian Enterprises, Inc., dba Athens Services (the Applicant) proposes to update SWFP No. 19-AR-5581 to extend the allowed hours of operation to 5:00 AM to 8:00 PM, consistent with the hours of operation currently permitted under CUP ZA 98-0427(CUZ). No changes to the permitted tonnage or traffic volume would occur. Indoor processing and transfer activities would continue to be permitted 24 hours per day, 7 days per week.

[2] City of Los Angeles, Case No. ZA 98-0427(CUZ)(PA3), Review of Compliance with Modified Conditions, August 17, 2021.

2.2 ENVIRONMENTAL SETTING

2.2.1 Project Location

The ASVMRF is located at 11121 Pendleton Street in the Sun Valley—La Tuna Canyon Community Plan (Community Plan) Area of the City of Los Angeles. As shown in **Figure 2-1, Project Location**, at the end of **Section 2, Project Description**, the Project Site is a rectangular-shaped parcel fronting W. Pendleton Street, approximately 450 feet northeast of the intersection of Pendleton Street and Glenoaks Boulevard. Regional access to the Project Site vicinity of provided by the Golden State Freeway (Interstate [I]-5) North via Glenoaks Boulevard, approximately 1.5 miles to the southeast, and I-5 South via Penrose Street, approximately 0.9-mile to the south. Local access to the Project Site is provided via three driveways along Pendleton Street.

2.2.2 Existing Conditions

The approximately 4.9-acre (213,444 square-foot) Project Site consists of one lot associated with Assessor Parcel Number (APN) 2538-011-010. The Project Site has a Light Manufacturing land use designation and is zoned M2-1-G-CUGU (Light Industrial, Height District 1, Surface Mining District, Clean Up Green Up Supplemental Use District). The Project Site is developed with uses associated with the ASVMRF in a building totaling 84,358 square feet. Although the Project Site is located within the Pacoima/Sun Valley Clean Up Green Up (CUGU) Supplemental Use District (Zoning Information File [ZI]-2458), the building's Certificate of Occupancy was issued prior to the date ZI-2458 became effective; therefore, the Modified Project is not subject to the development standards and land use limitation of the CUGU. The Project Site is located within an Environmental Justice Improvement Area (ZI-2355) and, as such, the Modified Project is required to notify the Planning Deputy for Council District 6 (Nury Martinez) of the Modified Project. The Project Site is also located within a State Enterprise Zone (ZI-2374), an Urban Agriculture Incentive Zone, a Very High Fire Hazard Severity Zone, a Methane Buffer Zone, a High Wind Velocity Area, and a Special Grading Area (BOE Basic Grid Map A-13372).

2.2.3 Surrounding Land Uses

The Project Site is located in a highly urbanized area comprised of industrial and commercial land uses. Surrounding properties are developed with single- and two-story commercial buildings, industrial buildings, automobile dismantlers, salvage yards, freight yards, solid waste transfer and recycling, large truck parking, and solid waste and inert landfills. The nearest residential use is located approximately 0.3-mile to the east.

2.3 REQUESTED PERMITS AND APPROVALS

The discretionary entitlements, reviews, permits, and approvals required to implement the Project include, but are not necessarily limited to, the following:

- Pursuant to ZI-2355, application review for an industrial land use project located within an Environmental Justice Improvement Area
- Solid Waste Facility Permit (SWFP), Athens facility operates under the SWFP No. 19-AR-5581, issued by the City of Los Angeles Building and Safety Department,

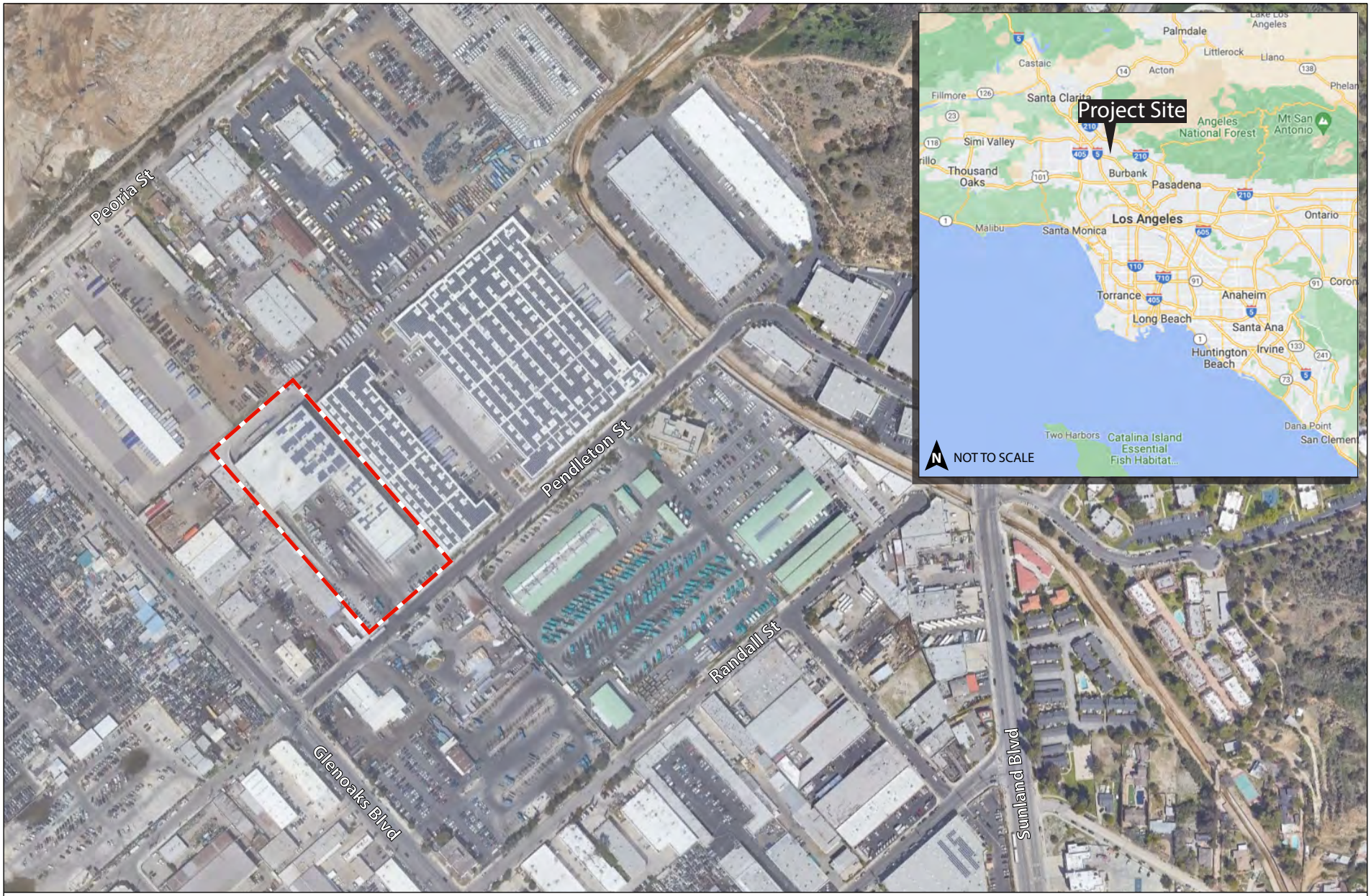
Environmental Affairs Division, Local Enforcement Agency (LEA), and concurred by CalRecycle. The facility is permitted to accept 1,500 tpd of mixed waste.

- Conditional Use Permit (CUP), Athens facility operates in accordance with zoning and land use CUP ZA 98-0427(CUZ)(PA3), issued by the City of Los Angeles, Department of Planning.
- National Pollution Discharge Elimination System, Athens facility operates in accordance with its State Water Resources Control Board industrial stormwater permit No. 419I025193 maintaining compliance with the site's Stormwater Pollution Prevention Plan (SWPPP).

2.4 RESPONSIBLE PUBLIC AGENCIES

A Responsible Agency under CEQA is a public agency with some discretionary authority over a project or a portion of it, but which has not been designated the Lead Agency (State CEQA Guidelines Section 15381). The list below identifies whether any responsible agencies have been identified for the Project.

- California Department of Resources Recycling and Recovery (CalRecycle)
- City of Los Angeles, Department of Building and Safety, Environmental Affairs Division, Local Enforcement Agency



Source: Google, 2021

Project Site

0 200 400 600 800

Scale (Feet)

Figure 2-1
Project Location

3 REVISIONS TO CEQA GUIDELINES

3.1 REVISIONS TO APPENDIX G OF THE CEQA GUIDELINES

The California Natural Resources Agency adopted revisions to the CEQA Guidelines that became effective on December 28, 2018, which was adopted after preparation of the Certified EIR. The revisions to the CEQA Guidelines were adopted largely to create efficiencies and to align the CEQA Guidelines with California appellate court and Supreme Court decisions. The revisions that are most applicable to the EIR are those associated with changes to Appendix G.

Appendix G of the CEQA Guidelines contains a sample initial study format. The purpose of an initial study is to assist lead agencies in determining whether a project may cause a significant impact on the environment. To help guide that determination, Appendix G asks a series of questions in the form of a checklist regarding a range of environmental resources and potential impacts. The City uses Appendix G in their EIRs to evaluate potential impacts on the environment that would result from a project.

When the Appendix G checklist was originally developed, it contained only a handful of questions. Over time, the list of questions has grown in response to increasing awareness of the effects of development on the environment. Currently, the sample checklist contains 89 questions divided into 20 categories of potential impacts. Revisions to the impact area(s) with the potential to be affected by the Modified Project are discussed below.

3.1.1 Noise

Noise Checklist Questions (a) and (b) were revised to focus on impacts associated with the generation of noise and vibration noise levels. In addition, Noise Checklist Questions (c), (d), and (f) were deleted, as they were redundant, and Noise Checklist Question (e) was renamed accordingly.

4 ENVIRONMENTAL IMPACT ANALYSIS

This section provides an impact assessment of the Modified Project. The information below addresses each of the environmental issues that were previously analyzed within the scope of the previously Certified EIR with the potential to be impacted by the Approved Project and the most current Appendix G of the CEQA Guidelines. The conclusions of the previously adopted EIR are provided as a reference for each environmental issue area for purpose of describing how the proposed changes would not result in any new significant impacts and would not increase the severity of the significant impacts identified in the EIR.

This Addendum focuses on changes from the Approved Project to the Modified Project that would affect the following impact area(s): noise.

A Modified Environmental Checklist Form was used to compare the anticipated environmental effects of the Modified Project with those disclosed in the Certified EIR and to review whether any of the conditions set forth in CEQA Guidelines Section 15162 and PRC Section 21166, requiring preparation of a Supplemental or Subsequent EIR, have been triggered.

The checklist and evaluation below provide the following information for each of these environmental impact categories:

1 IMPACT DETERMINATION IN THE CERTIFIED EIR

This section lists the impact determination made in the Certified EIR for each impact category.

2 DO PROPOSED CHANGES INVOLVE NEW SIGNIFICANT IMPACTS OR SUBSTANTIALLY MORE SEVERE IMPACTS?

Pursuant to CEQA Guidelines Section 15162(a)(1), this section indicates whether the Modified Project would result in new significant impacts that have not already been considered and mitigated by the prior environmental review or would result in a substantial increase in the severity of a previously identified impact.

3 ANY NEW CIRCUMSTANCES INVOLVING NEW IMPACTS OR SUBSTANTIALLY MORE SEVERE IMPACTS?

Pursuant to CEQA Guidelines Section 15162(a)(2), this section indicates whether there have been changes to the Project Site or the vicinity (circumstances under which the project is undertaken) which have occurred subsequent to the prior environmental documents, which would result in the Modified Project having new significant environmental impacts that were not considered in the prior environmental documents or that substantially increase the severity of a previously identified impact.

4 ANY NEW INFORMATION REQUIRING NEW ANALYSIS OR VERIFICATION?

Pursuant to CEQA Guidelines Section 15162(a)(3)(A-D), this section indicates whether new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental documents were certified as complete is available, requiring an update to the analysis of

the previous environmental documents to verify that the environmental conclusions and mitigations remain valid. If the new information shows that:

(A) the project will have one or more significant effects not discussed in the prior environmental documents;

(B) significant effects previously examined will be substantially more severe than shown in the prior environmental documents;

(C) mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

(D) mitigation measures or alternatives which are considerably different from those analyzed in the prior environmental documents would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative;

then the question would be answered "Yes," requiring the preparation of a Supplemental or Subsequent EIR. However, if the additional analysis completed as part of this environmental review finds that the conclusions of the prior environmental documents remain unchanged and no new significant impacts are identified, or identified environmental impacts are not found to be more severe, or there are no additional mitigation measures or alternatives now available or feasible but declined for adoption by the project proponent, then the question would be answered "No" and no Supplemental or Subsequent EIR is required. New studies completed as part of this environmental review are attached to this Addendum, or are on file with the Planning Department.

5 MITIGATION MEASURES ADDRESSING IMPACTS

Pursuant to CEQA Guidelines Section 15162(a)(3), this section indicates whether the prior environmental document provides mitigation measures to address effects in the related impact category. If so, a "Yes" response will be provided. In some cases, the previously adopted mitigation measures have already been implemented or are not applicable to the Modified Project, or a significant impact was not identified and mitigation was not required. In either instance, a "No" response will be indicated.

6 CONCLUSION

For each environmental topic, a discussion of the conclusion relating to the analysis is provided.

4.1 NOISE

Issues (and Supporting Information Sources)	Impact Determination in the Certified EIR	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impact or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Certified EIR's Mitigation Measures Addressing Impacts
NOISE: Would the project result in:					
(a) Generation of a substantial temporary increase or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	Less than Significant Impact	No	No	No	Yes
(b) Generation of excessive groundborne vibration or groundborne noise levels?	Not Evaluated	No	No	No	No
(c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	Not Evaluated	No	No	No	No

The analysis presented in this section is based, in part, on the Approved Project's Certified EIR and the Noise Review Letter[3] (Noise Letter) prepared for the Modified Project by MD Acoustics, LLC in November 2021. Noise impacts of the Approved Project are evaluated in Section 3.3, Noise, of the Certified EIR and the Noise Letter is included as **Appendix A** to this Addendum and its findings, conclusions, and recommendations are incorporated by reference herein.

Terminology applicable to this noise analysis include the following:

- **Decibel (dB)**: A unit for measuring the amplitude of a sound, equal to 20 times the logarithm to the base-10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micropascals.
- **A-weighted decibel (dBA)**: The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter de-emphasizes the very low and very high-frequency components of the sound in a manner similar to the response of the human ear. A numerical method of rating human judgment of loudness.
- **Community Noise Equivalent Level (CNEL)**: The average equivalent A-weighted sound level during a 24-hour day, obtained after the addition of five (5) decibels to sound levels in the evening from 7:00 to 10:00 PM and after the addition of ten (10) decibels to sound levels in the night before 7:00 AM and after 10:00 PM.

[3] MD Acoustics, LLC, Athens Recycling Center—Noise Review Letter—City of Los Angeles, CA, November 24, 2021.

- **Equivalent Sound Level (LEQ)**: The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time-varying noise level. The energy average noise level during the sample period.

4.1.1 Impact Determination in the EIR

With regard to Checklist Question (a), the Certified EIR determined that when added to the existing ambient noise level, construction of the Approved Project would increase ambient noise levels by 2.5 dBA CNEL, which would be below the applicable significance threshold of 5 dBA. Accordingly, the Certified EIR concluded that the construction noise impacts of the Approved Project would be less than significant. The Certified EIR also included construction noise mitigation to: require mufflers/noise attenuation devices on all construction equipment; and restrict construction hours to 7:00 AM to 9:00 PM Monday through Friday, 8:00 AM to 6:00PM Saturday, with construction prohibited on Sunday and federal holidays; in order to further reduce the less-than-significant impacts. In addition, the Certified EIR determined that increases in ambient noise levels associated with both on-site operations and off-site traffic would be inaudible to receptors. Therefore, the Certified EIR concluded that the operational noise impacts of the Approved Project would be less than significant and no mitigation measures would be required.

With regard to Checklist Questions (b) and (c), the Certified EIR did not include an evaluation of potential impacts associated with groundborne vibration/noise or airport noise levels.

4.1.2 Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?

Regulatory Setting

The City of Los Angeles outlines their noise regulations and standards within the Noise Element from the General Plan and the Noise Ordinance from the Municipal Code. The City has also published guidelines for CEQA significance thresholds.

Section 112.04 of the City's Municipal Code, which regulates powered equipment in residential areas, does not apply to the project as the nearest residential use is over 1000 feet from the project site.

A project would normally have a significant impact on noise levels from operations if it causes the ambient noise level measured at the property line of affected uses to increase by 3 dBA CNEL to within the "normally unacceptable" or "clearly unacceptable" category, or any 5 dBA or greater noise increase.

(a) Would the project generate a substantial temporary increase or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction

The Modified Project would not require and does not propose any construction activities. Only changes to the hours for shipping and receiving operations would occur. Therefore, the Modified Project would have no impact with regard to construction noise. The mitigation measures related to construction included in the Certified EIR would not be applicable to the Modified Project, as the Modified Project would not involve construction activities.

Operation

On-Site Operations

As part of the Noise Letter, long-term measurements of ambient noise levels were conducted at three locations near the Project Site shown on **Figure 4-1, Noise Measurement Locations**. The locations (LT1, LT2, and LT3) were chosen to represent the noise level conditions near the Project Site's property lines. The CNEL levels ranged between 68 dBA and 80 dBA. The average levels between the morning hours of 7:00 AM to 12:00 PM were 67 dBA L_{eq} at LT1, 78 dBA L_{eq} at LT2, and 66 dBA L_{eq} at LT3.[4]

In order to determine the noise level change that would result from the Modified Project, the averaged morning hours from 7:00 AM to 12:00 PM (67, 78, and 66 dBA L_{eq} for LT1, LT2 and LT3, respectively) were applied to the hours of 5:00 AM to 7:00 AM to calculate the future CNEL level. The Modified Project would increase the ambient noise levels at each location along the property line by 1 dB CNEL during the hours of 5:00 AM to 7:00 AM. This increase would be below the threshold of 3 dBA CNEL. Therefore, impacts related to the increase in noise level from the Modified Project would be less than significant.[5]

Off-Site Traffic

The Modified Project would not require and does not propose to alter the permitted tonnage or traffic volume at the ASVMRF. Therefore, the Modified Project would have no impact with regard to traffic noise.

(b) Would the project generate excessive groundborne vibration or groundborne noise levels?

The Modified Project would not require and does not propose to alter the permitted tonnage or traffic volume at the ASVMRF. Therefore, no changes in the groundborne vibration or noise levels would occur. Furthermore, there are no vibration-sensitive structures or sensitive receptors located in proximity to the ASVMRF. As such, the Modified Project would have no impact with regard to groundborne vibration or noise.

(c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

At its closest, the ASVMRF is located approximately 1.9 miles northwest of the Hollywood Burbank Airport and approximately 2.1 miles southeast of the Whiteman Airport. However, the ASVMRF is not located within any noise contour established for any airport, including the Hollywood Burbank or Whiteman Airports. As such, the Modified Project would have no impact with regard to exposing people to excessive noise levels associated with airports.

4 MD Acoustics, LLC, Athens Recycling Center—Noise Review Letter—City of Los Angeles, CA, November 24, 2021, page 1.

5 MD Acoustics, LLC, Athens Recycling Center—Noise Review Letter—City of Los Angeles, CA, November 24, 2021, page 4.

Source: Google, 2021

Project Site

Noise Measurement

N

0 200 400 600 800

Scale (Feet)

Figure 4-1
Noise Measurement Locations

4.1.3 Any New Circumstances Involving New Significant Impact or Substantially More Severe Impacts?

Based on the above, there are no new circumstances involving new significant impacts or substantially more severe impacts related to noise than previously analyzed in the Certified EIR.

4.1.4 Any New Information Requiring New Analysis or Verification?

There is no new information of substantial importance that has become available relative to noise impacts. No substantial changes in the environment related to noise beyond those anticipated as part of the Approved Project have occurred since certification of the Certified EIR and no new conditions have been identified within the vicinity of the Modified Project that would result in new or more severe significant noise impacts. Finally, as determined above, since the Modified Project would not result in any new or substantially more severe noise impacts, a review of additional feasible mitigation measures is not required.

4.1.5 EIR's Mitigation Measures Addressing Impact

The Certified EIR contained the following mitigation measures to be applied during the construction phase of the Approved Project:

- Construction contracts shall specify that all equipment must be equipped with mufflers and other applicable noise attenuation devices.
- Construction shall be restricted to the hours of 7:00 a.m. to 9:00 p.m. Monday through Friday, 8:00 a.m. to 6:00 p.m. Saturday, and prohibited at anytime on Sunday or a Federal holiday.

The above mitigation measures would not apply to the Modified Project as the Modified Project would not require and does not propose any construction activities.

4.1.6 Conclusion

As demonstrated by the discussion above, potential noise impacts associated with the Modified Project would be similar to or less than the noise impacts addressed in the Certified EIR. No substantial changes would occur with respect to the circumstances under which the Modified Project is undertaken that will require major revisions of the Certified EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects related to noise. In addition, no new information of substantial importance has become available relative to noise that would result in in new or more severe significant environmental impacts. The mitigation measures included in the Certified EIR for the Approved Project would not apply to the Modified Project and the Modified Project would not result in noise impacts that would require new mitigations measures. Therefore, the Modified Project would not result in any of the conditions set forth in PRC Section 21166(c) or CEQA Guidelines Sections 15162 or 15163 that would require the preparation of a Supplemental or Subsequent EIR.

5 ADDENDUM CONCLUSION

As demonstrated by the discussion above, impacts associated with the Modified Project would be similar to or less than the impacts addressed in the Certified EIR. No substantial changes would occur with respect to the circumstances under which the Modified Project is undertaken that will require major revisions of the Certified EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects. In addition, no new information of substantial importance has become available relative to any of the environmental topic categories that would result in in new or more severe significant environmental impacts. In addition, the applicable mitigation measures included as part of the Certified EIR would continue to be implemented under the Modified Project. As all of the impacts of the Modified Project would be within the envelope of impacts analyzed in the Certified EIR, none of the conditions described in PRC Section 21166 and CEQA Guidelines Sections 15162 and 15163 requiring a Supplemental or Subsequent EIR would occur. Additionally, there are no known mitigation measures or Project alternatives that were previously considered infeasible but are now considered feasible that would substantially reduce one or more significant effects on the environment identified in the Certified EIR. Therefore, the Modified Project would not create any potential adverse impacts beyond those evaluated in the Certified EIR. As such, the preparation of an addendum that amends the Project Description in the Certified EIR to include the Modified Project is appropriate and fully complies with the requirements of PRC Section 21166 and CEQA Guidelines Sections 15162, 15163, and 15164.

ATHENS SUN VALLEY
MATERIAL RECOVERY FACILITY PROJECT
APPENDICES

APPENDIX A

NOISE REVIEW LETTER

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Simi Valley, CA 93065
p. (805) 426-4477

December 8, 2021

Mr. Brad Perrine
EcoTierra Consulting
633 W 5th Street, 26th Floor
Los Angeles, CA 90071

Subject: Athens Recycling Center – Noise Review Letter – City of Los Angeles, CA

Dear Mr. Perrine:

MD Acoustics, LLC (MD) is pleased to submit this letter as part of the noise assessment for the Athens Recycling Center (Athens) located at 11121 Pendleton Street, Sun Valley, Los Angeles, CA, as shown in Exhibit A. Athens proposes to open two hours earlier, from 7 AM to 5 AM. Current operational hours are 7 AM to 5 PM. A glossary of acoustical terms is located in Appendix A.

1.0 Local Acoustical Requirements

The City of Los Angeles outlines their noise regulations and standards within the Noise Element from the General Plan and the Noise Ordinance from the Municipal Code. The City has also published guidelines for CEQA significance thresholds.

Section 112.04 of the City's Municipal Code, which regulates powered equipment in residential areas, does not apply to the project as the nearest residential use is over 1000 ft from the project site.

The project would normally have a significant impact on noise levels from project operations if the project causes the ambient noise level measured at the property line of affected uses to increase by 3 dBA CNEL to within the "normally unacceptable" or "clearly unacceptable" category, or any 5 dBA or greater noise increase.

2.0 Evaluation Procedure

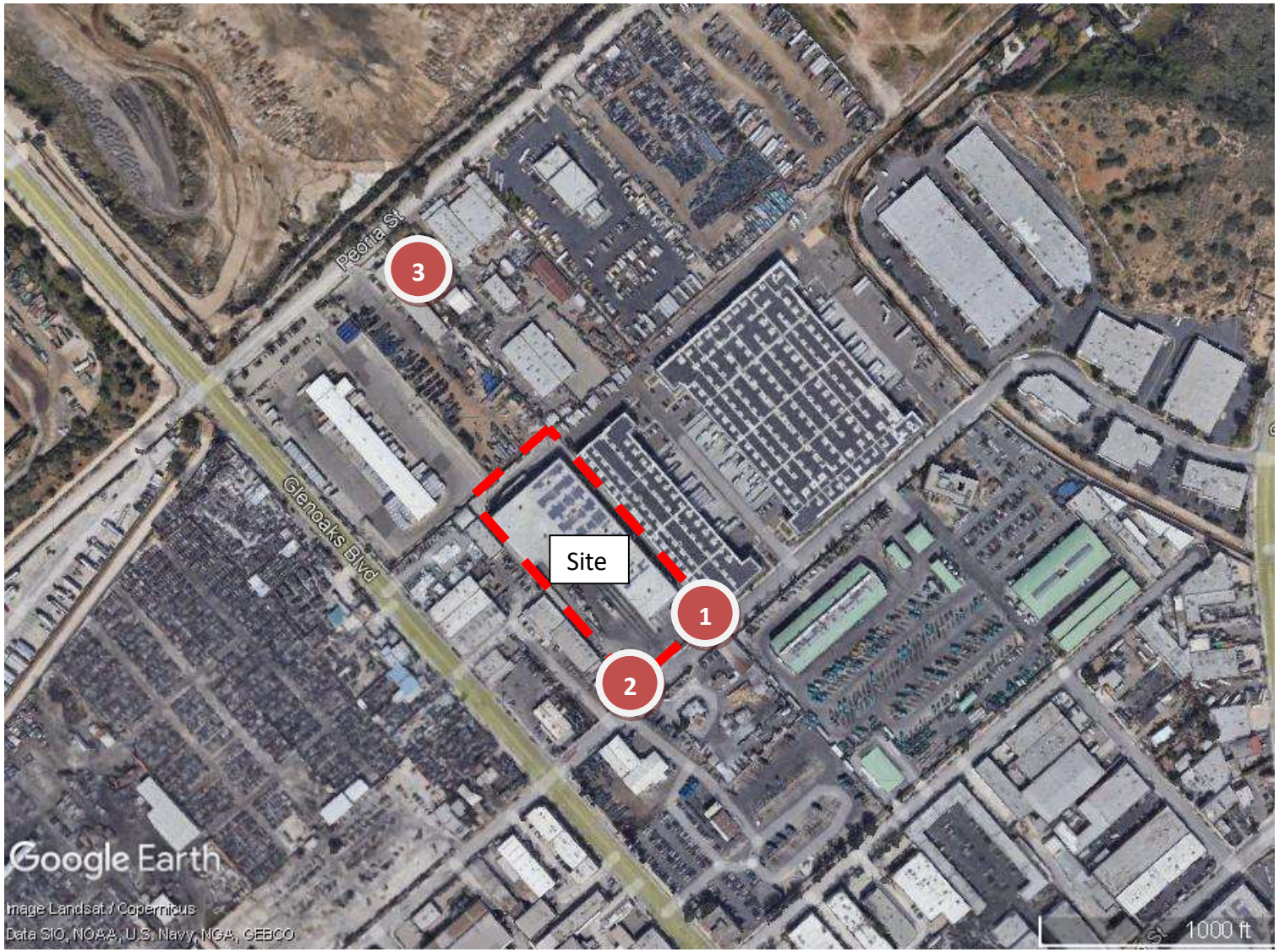
MD performed three (3) long-term measurements on 11/15/2021-11/16/2021. The measurements were performed near the project site as shown in Exhibit B and represent the noise level conditions near the project site's property lines. Field sheets are provided in Appendix B. LT1 and LT2 represent the southeast property line. LT3 represents the yard to the northwest of the project site. LT1 and LT2 noise levels consisted primarily of industrial noise from the site and surrounding sites. LT3 noise levels consisted primarily of on-site traffic and industrial noise from the site and surrounding sites.

The CNEL levels ranged between 68 dBA and 80 dBA. The average levels between the morning hours of 7 AM to 12 PM are 67 dBA Leq at LT1, 78 dBA Leq at LT2, and 66 dBA Leq at LT3.

In order to project the noise level change from opening the facility 2-hours earlier, MD applied the averaged morning hours from 7 AM to 12 PM (67, 78 and 66 dBA Leq for LT1, LT2 and LT3, respectively) and applied those levels to the hours of 5 AM to 7 AM to calculate the future CNEL level.

Exhibit A
Location Map

Exhibit B
Measurement Locations



\# = 24HR Noise Monitoring Location

3.0 Findings

At each location along the property lines, the overall CNEL level is projected to increase 1 dB CNEL as a result of the adjusted operational hours. This is below the CEQA threshold of 3 dB. Therefore, the increase in noise level from project operations from 5 AM to 7 AM is less than significant. Appendix C provides the CNEL calculation outputs.

4.0 Conclusions

MD has evaluated the future operational noise for the Athens Recycling Center located in Los Angeles, CA. The study shows that the overall CNEL levels will increase 1 dB as a result of the proposed change in operational hours. Operational noise is less than significant. MD is pleased to provide this noise assessment. If you have any questions regarding this analysis, call us at (805) 426-4477.

Sincerely,
MD Acoustics, LLC

Claire Pincock, INCE-USA
Acoustical Consultant

Robert Pearson
Acoustical Consultant

Appendix A

Glossary of Acoustical Terms

Glossary of Terms

A-Weighted Sound Level: The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter de-emphasizes the very low and very high-frequency components of the sound in a manner similar to the response of the human ear. A numerical method of rating human judgment of loudness.

Ambient Noise Level: The composite of noise from all sources, near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

Community Noise Equivalent Level (CNEL): The average equivalent A-weighted sound level during a 24-hour day, obtained after the addition of five (5) decibels to sound levels in the evening from 7:00 to 10:00 PM and after the addition of ten (10) decibels to sound levels in the night before 7:00 AM and after 10:00 PM.

Decibel (dB): A unit for measuring the amplitude of a sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micro-pascals.

dB(A): A-weighted sound level (see definition above).

Equivalent Sound Level (LEQ): The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time-varying noise level. The energy average noise level during the sample period.

Habitable Room: Any room meeting the requirements of the Uniform Building Code or other applicable regulations which is intended to be used for sleeping, living, cooking, or dining purposes, excluding such enclosed spaces as closets, pantries, bath or toilet rooms, service rooms, connecting corridors, laundries, unfinished attics, foyers, storage spaces, cellars, utility rooms, and similar spaces.

L(n): The A-weighted sound level exceeded during a certain percentage of the sample time. For example, L10 in the sound level exceeded 10 percent of the sample time. Similarly L50, L90, and L99, etc.

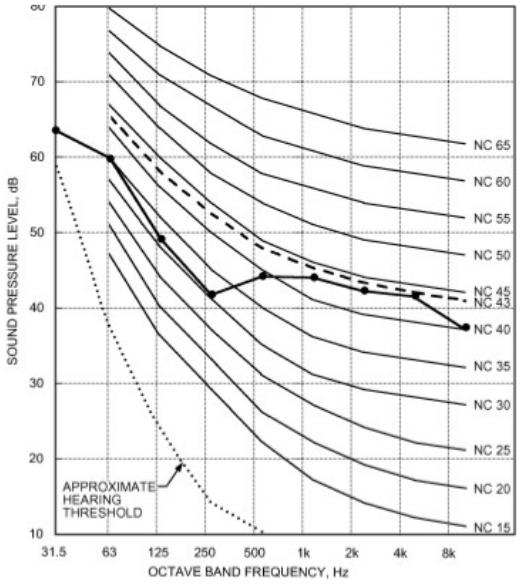
Noise: *A*ny unwanted sound or sound which is undesirable because it interferes with speech and hearing, or is intense enough to damage hearing, or is otherwise annoying. The State Noise Control Act defines noise as "...excessive undesirable sound...".

Noise Criteria (NC) Method: This metric plots octave band sound levels against a family of reference curves, with the number rating equal to the highest tangent line value as demonstrated in Figure 1.

Percent Noise Levels: See L(n).

Room Criterion (RC) Method: When sound quality in the space is important, the RC metric provides a diagnostic tool to quantify both the speech interference level and spectral imbalance.

FIGURE 1: Sample NC Curves and Sample Spectrum Levels



Sound Level (Noise Level): The weighted sound pressure level obtained by use of a sound level meter having a standard frequency filter for attenuating part of the sound spectrum.

Sound Level Meter: An instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement and determination of noise and sound levels.

Sound Transmission Class (STC): To quantify STC, a Transmission Loss (TL) measurement is performed in a laboratory over a range of 16 third-octave bands between 125 – 4,000 Hertz (Hz). The average human voice creates sound within the 125 – 4,000 Hz 1/3rd octave bands.

STC is a single-number rating given to a particular material or assembly. The STC rating measures the ability of a material or an assembly to resist airborne sound transfer over the specified frequencies (see ASTM International Classification E413 and E90). In general, a higher STC rating corresponds with a greater reduction of noise transmitting through a partition.

STC is highly dependent on the construction of the partition. The STC of a partition can be increased by: adding mass, increasing or adding air space, adding absorptive materials within the assembly. The STC rating does not assess low-frequency sound transfer (e.g. sounds less than 125 Hz). Special consideration must be given to spaces where the noise transfer concern has lower frequencies than speech, such as mechanical equipment and or/or music. The STC rating is a lab test that does not take into consideration weak points, penetrations, or flanking paths.

Even with a high STC rating, any penetration, air-gap, or "flanking path can seriously degrade the isolation quality of a wall. Flanking paths are the means for sound to transfer from one space to another other than through the wall. Sound can flank over, under, or around a wall. Sound can also travel through common ductwork, plumbing, or corridors. Noise will travel between spaces at the weakest points. Typically, there is no reason to spend money or effort to improve the walls until all weak points are controlled first.

Outdoor Living Area: Outdoor spaces that are associated with residential land uses typically used for passive recreational activities or other noise-sensitive uses. Such spaces include patio areas, barbecue areas, jacuzzi areas, etc. associated with residential uses; outdoor patient recovery or resting areas associated with hospitals, convalescent hospitals, or rest homes; outdoor areas associated with places of worship which have a significant role in services or other noise-sensitive activities; and outdoor school facilities routinely used for educational purposes which may be adversely impacted by noise. Outdoor

areas usually not included in this definition are: front yard areas, driveways, greenbelts, maintenance areas and storage areas associated with residential land uses; exterior areas at hospitals that are not used for patient activities; outdoor areas associated with places of worship and principally used for short-term social gatherings; and, outdoor areas associated with school facilities that are not typically associated with educational uses prone to adverse noise impacts (for example, school play yard areas).

Percent Noise Levels: See L(n).

Sound Level (Noise Level): The weighted sound pressure level obtained by use of a sound level meter having a standard frequency filter for attenuating part of the sound spectrum.

Sound Level Meter: An instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement and determination of noise and sound levels.

Single Event Noise Exposure Level (SENEL): The dB(A) level which, if it lasted for one second, would produce the same A-weighted sound energy as the actual event.

Appendix B
Field Sheets

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4960 S. Gilbert Rd, Ste 1-461
Chandler, AZ 85249

CA Office
1197 E Los Angeles Ave, C-256
Simi Valley, CA 93065

24-Hour Continuous Noise Measurement Datasheet

Project:	Athens Recycling	**Site Observations:**	Clear Sky Early morning. Three long term locations. General recycling center activity.
Site Address/Location:	11121 Pendelton St, Sun Valley, CA		
Date:	11/15/2021 to 11/16/2021		
Field Tech/Engineer:	Jason Schuyler		

General Location:

Sound Meter:	Picallo	**SN:**	Pic 2
Settings:	A-weighted, slow, 1-min, 24-hour duration		
Meteorological Con.:	73 degrees F, 2 to 5 mph wind, west to east diretion		
Site ID:	LT-1 to LT-3		

Site Topo: Flat

Ground Type: Soft site, Open raw ground with a road

Noise Source(s) w/ Distance:

LT-1 C/L of Pendelton St is 32 feet from meter

LT-2 C/L of Pendelton St is 32 feet from meter

LT-3 C/L of Peoria St is 43 feet from meter

Figure 1: LT-1 Monitoring Location

Figure 1: LT-1 Photo

Figure 2: LT-2 Photo

Figure 3: LT-3 Photo

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24-Hour Noise Measurement Datasheet - Cont.

Project: Athens Recycling **Day:** 1 of 1
Site Address/Location: 11121 Pendelton St, Sun Valley, CA
Site ID: LT-1

Date	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
11/15/2021	7:00 AM	8:00 AM	68	90	58	63	79	66	63	60
11/15/2021	8:00 AM	9:00 AM	67	91	55	61	78	64	61	58
11/15/2021	9:00 AM	10:00 AM	66	87	54	59	77	64	61	57
11/15/2021	10:00 AM	11:00 AM	67	88	54	58	81	64	61	57
11/15/2021	11:00 AM	12:00 PM	67	86	54	59	78	66	62	58
11/15/2021	12:00 PM	1:00 PM	68	88	54	62	80	66	62	57
11/15/2021	1:00 PM	2:00 PM	68	90	54	69	80	66	63	59
11/15/2021	2:00 PM	3:00 PM	68	93	59	71	78	67	65	62
11/15/2021	3:00 PM	4:00 PM	65	81	56	69	75	65	62	59
11/15/2021	4:00 PM	5:00 PM	66	87	56	68	77	64	61	59
11/15/2021	5:00 PM	6:00 PM	65	83	56	68	74	65	62	58
11/15/2021	6:00 PM	7:00 PM	65	86	56	68	76	63	61	58
11/15/2021	7:00 PM	8:00 PM	63	85	58	68	71	62	60	59
11/15/2021	8:00 PM	9:00 PM	61	79	54	69	70	61	59	57
11/15/2021	9:00 PM	10:00 PM	63	82	57	69	74	60	59	58
11/15/2021	10:00 PM	11:00 PM	59	75	54	70	67	59	58	55
11/15/2021	11:00 PM	12:00 AM	59	74	56	72	65	59	58	57
11/16/2021	12:00 AM	1:00 AM	61	76	54	71	71	59	58	57
11/16/2021	1:00 AM	2:00 AM	61	91	51	69	71	57	55	53
11/16/2021	2:00 AM	3:00 AM	56	75	50	68	67	54	53	51
11/16/2021	3:00 AM	4:00 AM	56	74	50	67	66	55	53	52
11/16/2021	4:00 AM	5:00 AM	58	87	50	66	66	54	53	51
11/16/2021	5:00 AM	6:00 AM	63	85	51	65	73	60	57	54
11/16/2021	6:00 AM	7:00 AM	66	85	54	65	77	64	62	57

CNEL: 69

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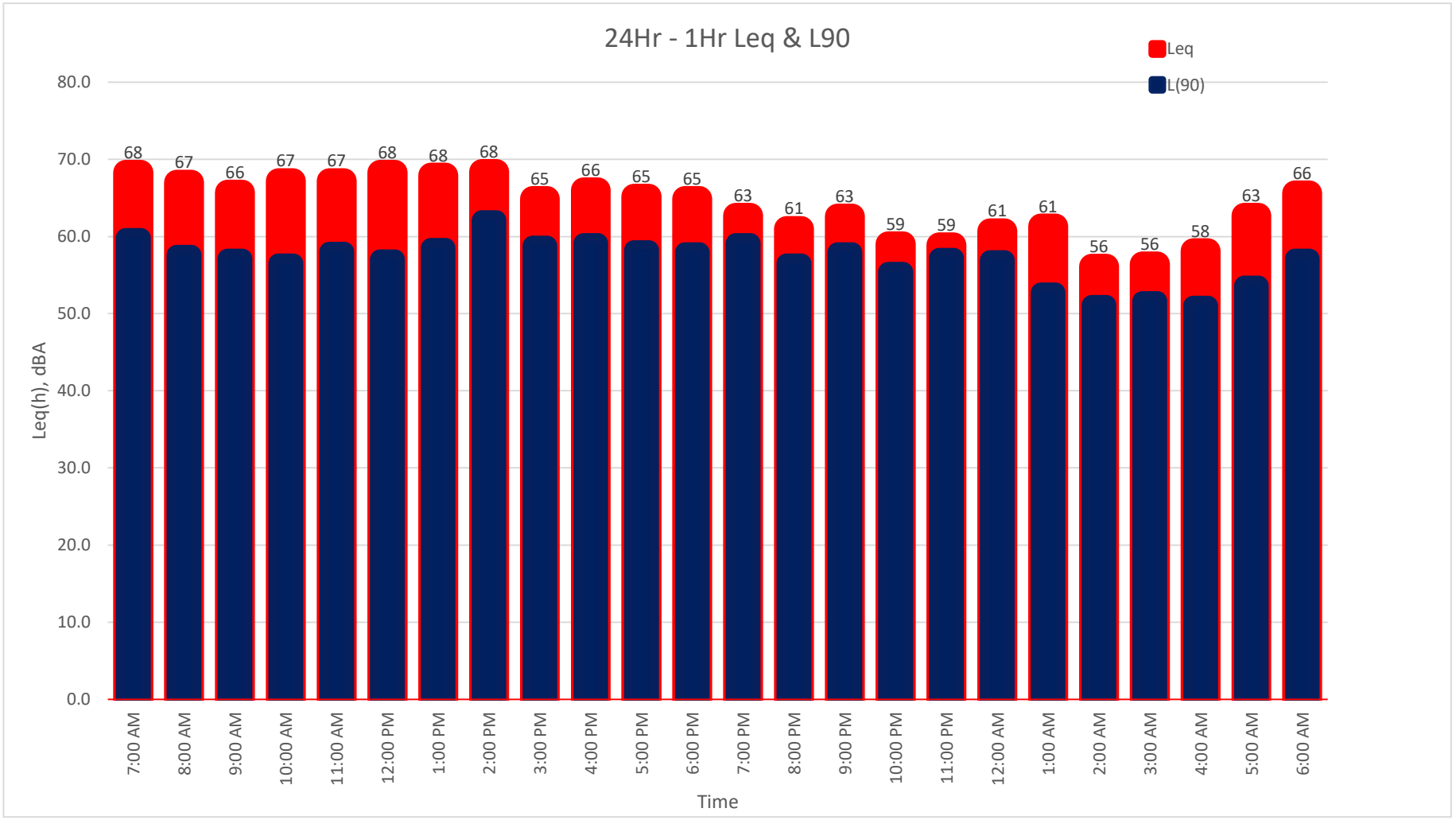
24-Hour Continuous Noise Measurement Datasheet - Cont.

Project: Athens Recycling **Day:** 1 of 1
Site Address/Location: 11121 Pendelton St, Sun Valley, CA
Site ID: LT-1



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24-Hour Noise Measurement Datasheet - Cont.

Project: Athens Recycling **Day:** 1 of 1
Site Address/Location: 11121 Pendelton St, Sun Valley, CA
Site ID: LT-2

Date	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
11/15/2021	7:00 AM	8:00 AM	76	96	63	83	80	76	73	70
11/15/2021	8:00 AM	9:00 AM	79	99	63	85	83	79	78	74
11/15/2021	9:00 AM	10:00 AM	79	101	67	84	82	79	77	76
11/15/2021	10:00 AM	11:00 AM	78	89	74	85	79	78	77	72
11/15/2021	11:00 AM	12:00 PM	79	99	68	84	80	79	77	74
11/15/2021	12:00 PM	1:00 PM	78	90	67	84	81	79	77	72
11/15/2021	1:00 PM	2:00 PM	79	98	69	84	83	80	78	74
11/15/2021	2:00 PM	3:00 PM	81	99	66	86	85	83	79	76
11/15/2021	3:00 PM	4:00 PM	85	104	64	93	91	82	78	73
11/15/2021	4:00 PM	5:00 PM	78	92	64	81	81	80	77	72
11/15/2021	5:00 PM	6:00 PM	75	92	65	79	78	76	74	70
11/15/2021	6:00 PM	7:00 PM	73	85	67	77	76	74	73	70
11/15/2021	7:00 PM	8:00 PM	71	85	65	75	73	72	70	68
11/15/2021	8:00 PM	9:00 PM	69	84	64	74	70	68	67	66
11/15/2021	9:00 PM	10:00 PM	67	85	62	70	69	67	66	65
11/15/2021	10:00 PM	11:00 PM	67	77	63	70	68	67	66	65
11/15/2021	11:00 PM	12:00 AM	69	85	62	76	72	68	67	65
11/16/2021	12:00 AM	1:00 AM	68	86	59	74	71	67	64	62
11/16/2021	1:00 AM	2:00 AM	64	78	59	70	66	63	62	61
11/16/2021	2:00 AM	3:00 AM	64	81	58	68	66	64	63	60
11/16/2021	3:00 AM	4:00 AM	64	76	58	71	65	64	63	61
11/16/2021	4:00 AM	5:00 AM	71	88	61	79	75	70	67	65
11/16/2021	5:00 AM	6:00 AM	75	89	64	82	77	75	72	68
11/16/2021	6:00 AM	7:00 AM	78	94	69	83	82	79	76	73

CNEL: 80

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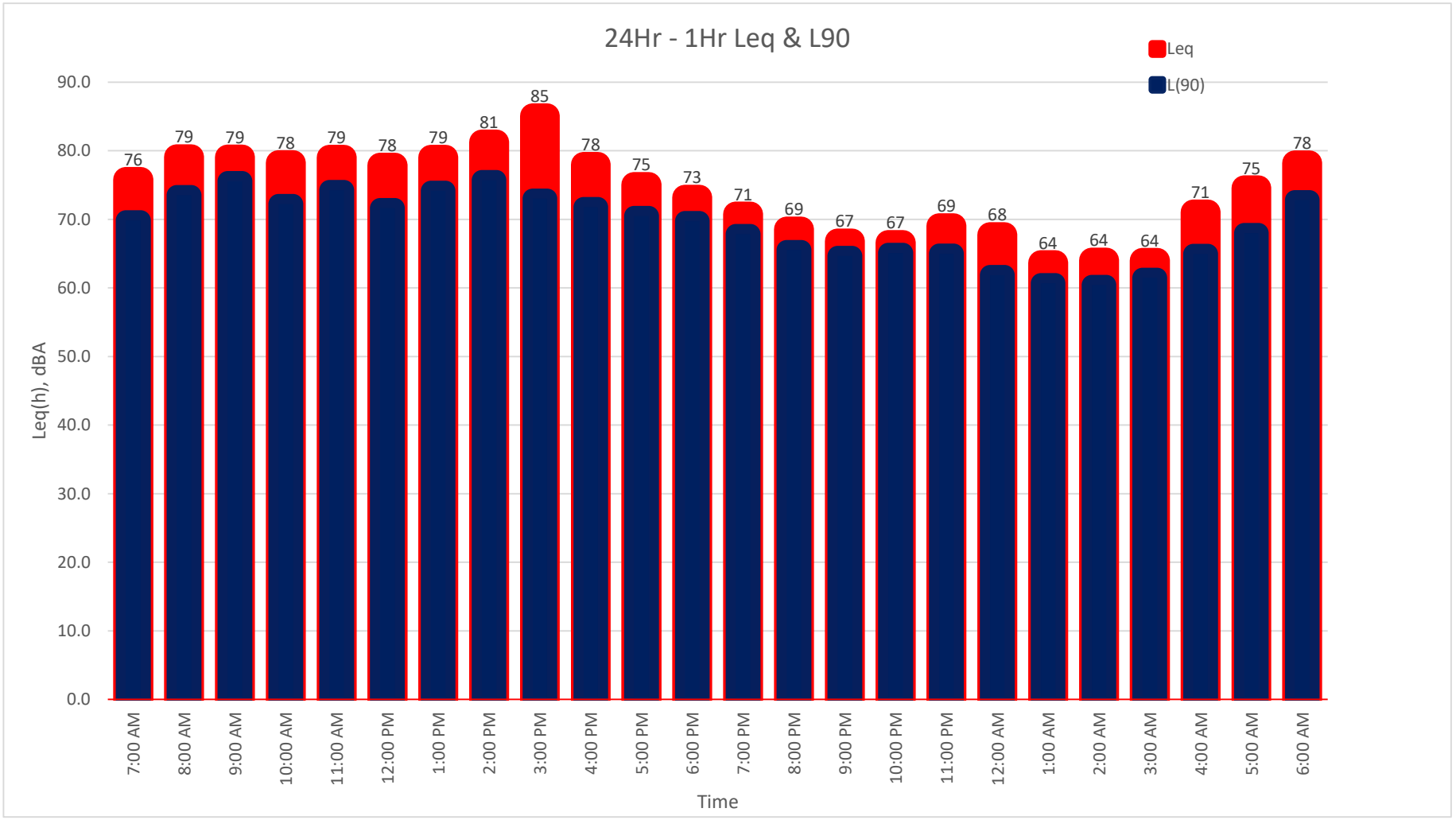
24-Hour Continuous Noise Measurement Datasheet - Cont.

Project: Athens Recycling **Day:** 1 of 1
Site Address/Location: 11121 Pendelton St, Sun Valley, CA
Site ID: LT-2



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24-Hour Noise Measurement Datasheet - Cont.

Project: Athens Recycling **Day:** 1 of 1
Site Address/Location: 11121 Pendelton St, Sun Valley, CA
Site ID: LT-3

Date	Start	Stop	Leq	Lmax	Lmin	L2	L8	L25	L50	L90
11/15/2021	7:00 AM	8:00 AM	67	81	59	72	71	69	66	64
11/15/2021	8:00 AM	9:00 AM	65	87	54	72	71	70	62	59
11/15/2021	9:00 AM	10:00 AM	66	90	53	74	72	69	61	57
11/15/2021	10:00 AM	11:00 AM	65	74	59	73	69	69	61	58
11/15/2021	11:00 AM	12:00 PM	66	88	55	71	70	68	62	58
11/15/2021	12:00 PM	1:00 PM	65	87	55	72	70	69	62	58
11/15/2021	1:00 PM	2:00 PM	66	88	54	75	70	67	61	58
11/15/2021	2:00 PM	3:00 PM	66	89	54	74	72	71	63	58
11/15/2021	3:00 PM	4:00 PM	64	83	54	72	70	69	61	57
11/15/2021	4:00 PM	5:00 PM	66	80	56	73	72	70	63	59
11/15/2021	5:00 PM	6:00 PM	62	80	55	68	65	64	60	58
11/15/2021	6:00 PM	7:00 PM	61	76	55	67	66	65	60	57
11/15/2021	7:00 PM	8:00 PM	61	80	57	68	66	63	59	58
11/15/2021	8:00 PM	9:00 PM	63	79	56	70	68	67	60	58
11/15/2021	9:00 PM	10:00 PM	61	73	56	67	66	63	59	57
11/15/2021	10:00 PM	11:00 PM	59	73	56	62	60	60	58	57
11/15/2021	11:00 PM	12:00 AM	58	66	53	60	59	59	57	56
11/16/2021	12:00 AM	1:00 AM	57	68	52	59	58	58	57	54
11/16/2021	1:00 AM	2:00 AM	57	73	52	64	59	58	56	54
11/16/2021	2:00 AM	3:00 AM	56	66	51	60	59	58	56	53
11/16/2021	3:00 AM	4:00 AM	57	69	51	60	59	58	56	54
11/16/2021	4:00 AM	5:00 AM	59	73	53	65	62	60	58	56
11/16/2021	5:00 AM	6:00 AM	64	85	55	67	66	65	62	60
11/16/2021	6:00 AM	7:00 AM	65	79	60	70	69	68	64	62

CNEL: 68

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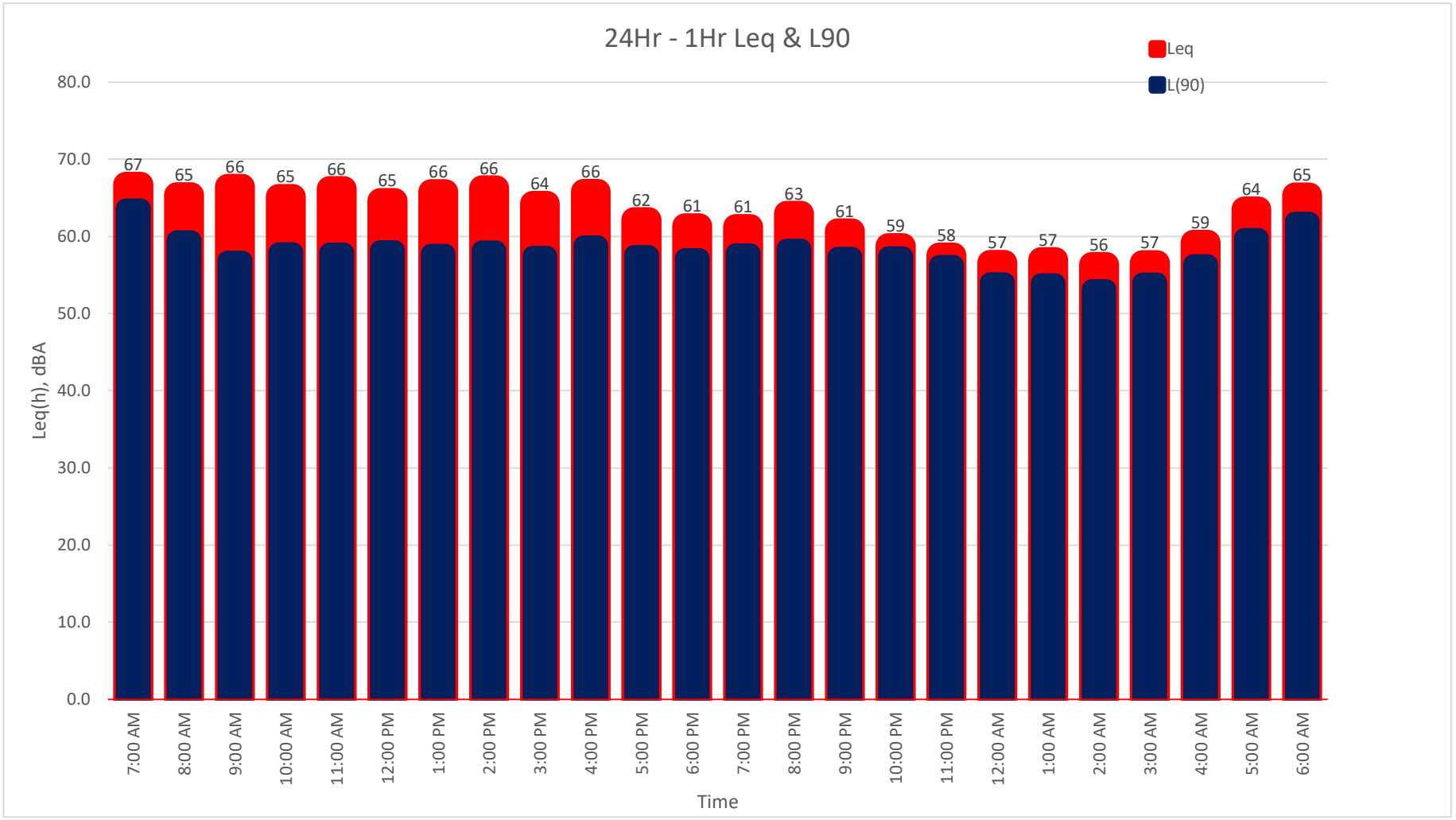
Project: Athens Recycling **Day:** 1 of 1
Site Address/Location: 11121 Pendelton St, Sun Valley, CA
Site ID: LT-3



Appendix C
CNEL Calculations

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Location: LT1		Location: LT2		Location: LT3	
CNEL		CNEL		CNEL	
Adjusted Hours	67	Adjusted Hours	78	Adjusted Hours	66
68	6760829.754	76	37831195	67	4709031
67	5011872.336	79	81068688	65	3454117
66	3715352.291	79	80565408	66	4411015
67	5248074.602	78	66228044	65	3265091
67	5248074.602	79	79600317	66	4126005
68	6760829.754	78	60987393	65	2904751
68	6165950.019	79	79500085	66	3779482
68	6918309.709	81	1.33E+08	66	4223026
65	3090295.433	85	3.2E+08	64	2661243
66	3981071.706	78	62642945	66	3822445
65	3311311.215	75	32079465	62	1639973
65	3090295.433	73	20891003	61	1368949
68	5888436.554	76	37402186	66	4210608
66	3981071.706	74	22523791	68	6249545
68	5754399.373	72	15151349	66	3712551
69	7943282.347	77	45587019	69	7589503
69	7762471.166	79	79711247	68	5724049
71	11748975.55	78	59519419	67	4563847
71	13489628.83	74	23035852	67	4969876
66	4073802.778	74	25027309	66	4289904
66	4365158.322	74	24943627	67	4551126
68	6456542.29	81	1.27E+08	69	8380985
77	51968407.17	88	6.91E+08	76	39930520
77	51968407.17	88	6.91E+08	76	39930520
CNEL	70	CNEL	81	CNEL	69
Delta	1.0	Delta	0.7	Delta	0.6